

AS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION ON APRIL 12, 2000

REGISTRATION STATEMENT NO. 333-

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

QUESTAR MARKET RESOURCES, INC.
(EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

UTAH
(STATE OR OTHER JURISDICTION OF
INCORPORATION OR ORGANIZATION)

87-0287750
(I.R.S. EMPLOYER
IDENTIFICATION NUMBER)

180 EAST 100 SOUTH STREET
P.O. BOX 45601
SALT LAKE CITY, UTAH 84145-0601
(801) 324-2600
(ADDRESS, INCLUDING ZIP CODE, AND TELEPHONE NUMBER,
INCLUDING AREA CODE, OF REGISTRANT'S PRINCIPAL EXECUTIVE OFFICES)

CONNIE C. HOLBROOK, ESQ.
QUESTAR MARKET RESOURCES, INC.
180 EAST 100 SOUTH STREET
P.O. BOX 45601
SALT LAKE CITY, UTAH 84145-0601
(801) 324-2600
(NAME, ADDRESS, INCLUDING ZIP CODE, AND TELEPHONE NUMBER,
INCLUDING AREA CODE, OF AGENT FOR SERVICE)

Copies to:

RICHARD J. GROSSMAN, ESQ.
SKADDEN, ARPS, SLATE, MEAGHER & FLOM LLP
FOUR TIMES SQUARE
NEW YORK, NEW YORK 10036-6522
TEL: (212) 735-3000
FAX: (212) 735-2000

PAUL C. PRINGLE, ESQ.
BROWN & WOOD LLP
555 CALIFORNIA STREET, SUITE 5000
SAN FRANCISCO, CALIFORNIA 94104
TEL: (415) 772-1200
FAX: (415) 397-4621

APPROXIMATE DATE OF COMMENCEMENT OF PROPOSED SALE TO THE PUBLIC: As soon as practicable after the effective date of this Registration Statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, as amended, check the following box: / /

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box

and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: / /

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: / /

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: / /

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box: / /

CALCULATION OF REGISTRATION FEE

TITLE OF SECURITIES TO BE REGISTERED	AMOUNT TO BE REGISTERED	PROPOSED MAXIMUM OFFERING PRICE PER NOTE(1)	PROPOSED MAXIMUM AGGREGATE OFFERING PRICE(1)	AMOUNT OF REGISTRATION FEE
% Senior Notes Due 20[]	\$150,000,000	100%	\$ 150,000,000	\$ 39,600

(1) Estimated solely for the purpose of computing the registration fee in accordance with Rule 457(c) of the Securities Act.

THE REGISTRANT HEREBY AMENDS THIS REGISTRATION STATEMENT ON SUCH DATE OR DATES AS MAY BE NECESSARY TO DELAY ITS EFFECTIVE DATE UNTIL THE REGISTRANT SHALL FILE A FURTHER AMENDMENT WHICH SPECIFICALLY STATES THAT THIS REGISTRATION STATEMENT SHALL THEREAFTER BECOME EFFECTIVE IN ACCORDANCE WITH SECTION 8(A) OF THE SECURITIES ACT OF 1933 OR UNTIL THE REGISTRATION STATEMENT SHALL BECOME EFFECTIVE ON SUCH DATE AS THE COMMISSION, ACTING PURSUANT TO SAID SECTION 8(A), MAY DETERMINE.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION
PRELIMINARY PROSPECTUS DATED APRIL 12, 2000

P R O S P E C T U S

\$150,000,000

[LOGO]

QUESTAR MARKET RESOURCES, INC.
(A SUBSIDIARY OF QUESTAR CORPORATION)
% SENIOR NOTES DUE 20[]

We will pay interest on the senior notes on _____ and _____ of each year, beginning _____, 2000. The senior notes will mature on _____, 20[]. We may redeem some or all of the senior notes at any time at redemption prices described in this prospectus.

The senior notes will be unsecured obligations and rank equally with our unsecured senior indebtedness. The senior notes will be issued only in registered form in denominations of \$1,000.

	PER SENIOR NOTE	TOTAL
	-----	-----
Public offering price(1).....	%	\$
Underwriting discount.....	%	\$
Proceeds, before expenses, to Questar Market Resources.....	%	\$

(1) Plus accrued interest from _____, 2000, if settlement occurs after that date

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The senior notes will be ready for delivery in book-entry form only through The Depository Trust Company on or about _____, 2000.

MERRILL LYNCH & CO.

BANC OF AMERICA SECURITIES LLC

BANC ONE CAPITAL MARKETS, INC.

TD SECURITIES

The date of this prospectus is _____, 2000.

TABLE OF CONTENTS

	PAGE

Summary.....	3
Use of Proceeds.....	7
Capitalization.....	7
Selected Historical Financial Data.....	8
Management's Discussion and Analysis of Financial Condition and Results of Operations.....	9
Business.....	13
Our Relationship with Questar.....	17
Description of the Senior Notes.....	18
Underwriting.....	26
Legal Matters.....	28
Experts.....	28
Where You Can Find Additional Information.....	29

You should rely only on the information contained or incorporated by reference in this prospectus. We have not, and the underwriters have not, authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not, and the underwriters are not, making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus is accurate only as of the date on the front cover of this prospectus. Our business, financial condition, results of operations and prospects may have changed since that date.

----- NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus includes "forward-looking statements" within the meaning of Section 27a of the Securities Act of 1933, as amended, and Section 21e of the

Securities Exchange Act of 1934, as amended. All statements other than statements of historical facts included or incorporated by reference in this prospectus, including, without limitation, statements regarding our future financial position, business strategy, budgets, projected costs and plans and objectives of management for future operations, are forward-looking statements. In addition, forward-looking statements generally can be identified by the use of forward-looking terminology such as "may", "will", "could," "expect", "intend", "project", "estimate", "anticipate", "believe", "forecast" or "continue" or the negative thereof or variations thereon or similar terminology. Although we believe that the expectations reflected in these forward-looking statements are reasonable, we cannot assure you that such expectations will prove to have been correct. Important factors that could cause actual results to differ materially from those expressed or implied in forward-looking statements include changes in general economic conditions, gas and oil prices and supplies, competition, regulation of the Wexpro settlement agreement, availability of gas and oil properties for sale or exploration, the rate of inflation, the weather and other natural phenomena, the effect of accounting policies issued periodically by accounting standard-setting bodies, and other factors beyond our control that could affect adversely our financial condition and results of operations. All our subsequent written and oral forward-looking statements or those of persons acting on our behalf, are qualified by these cautionary statements. We assume no duty to update or revise our forward-looking statements based on changes in internal estimates or expectations or otherwise.

Unless the context otherwise requires, in this prospectus:

- o "Questar" refers to Questar Corporation, an integrated energy services holding company with two principal business units, Market Resources and Regulated Services
- o "We," "us" and "our" refer collectively to Questar Market Resources, a subholding company of Questar, and its subsidiaries, which collectively comprise the Market Resources unit of Questar
- o "Questar E&P" refers to our subsidiary Questar Exploration and Production Company
- o "Celsius Ltd." refers to Celsius Energy Resources Ltd., Questar E&P's Canadian subsidiary
- o "Canor" refers to Canor Energy Ltd., a Canadian oil and gas exploration company recently acquired by Celsius Ltd.
- o "Wexpro" refers to our subsidiary Wexpro Company
- o "QGM" refers to our subsidiary Questar Gas Management Company
- o "Questar Energy Trading" refers to our subsidiary Questar Energy Trading Company
- o "Questar Gas" refers to one of Questar's subsidiaries, Questar Gas Company
- o "Questar Pipeline" refers to one of Questar's subsidiaries, Questar Pipeline Company

EXPLANATION OF WEIGHTS AND MEASURES

- o Bcf = billion cubic feet
- o Dth = decatherm
- o Bbl = barrel
- o 1Dth = 1 MMBtu
- o MBbl = thousand barrels
- o MDth = thousand decatherms
- o MMBbl = million barrels
- o MMDth = million decatherms

- o Mcf = thousand cubic feet
- o Mcfe = thousand cubic feet of natural gas equivalents
- o MMcf = million cubic feet
- o MMBtu = million British thermal units
- o Bcfe = billion cubic feet of natural gas equivalents
 - o Oil volumes are converted to natural gas equivalents using the ratio of one barrel of crude oil to six Mcf of natural gas
 - o Oil includes crude oil and condensate
 - o Unless otherwise indicated, natural gas volumes are stated at the official temperature and pressure basis of the area in which the reserves are located

OTHER TERMS

"Gross" natural gas and oil wells or "gross" acres equals the number of wells or acres in which we have an interest. We determined "net" gas and oil wells or "net" acres by multiplying "gross" wells or acres by our working interest in those wells or acres. A "working interest" in an oil or natural gas lease is an interest that gives the owner the right to drill, produce and conduct operating activities on the property and to achieve a share of production of any hydrocarbons covered by the lease. A working interest also entitles the owner to a proportionate interest in any well located on the lands covered by the lease, subject to all royalties, costs and expenses, risks and other burdens. A "development well" is a well drilled as an additional well to the same horizon or horizons as other producing wells on a prospect, or a well drilled on a spacing unit adjacent to a spacing unit with an existing well capable of commercial production and which is intended to extend the proven limits of a prospect. An "exploratory well" is a well drilled to find commercially productive hydrocarbons in an unproved area, or to extend significantly a known prospect.

2

SUMMARY

This summary highlights information contained elsewhere in this prospectus. You should read the entire prospectus carefully, including the financial data and related notes, before making an investment decision.

THE COMPANY

We and our subsidiaries comprise the Market Resources unit of Questar, a publicly traded diversified natural gas company with two principal business units, Market Resources and Regulated Services. We engage in oil and gas exploration and production; gas gathering and processing; wholesale gas, electricity, and hydrocarbon liquids marketing and trading; and the acquisition and development of producing oil and gas properties. We are a subholding company of Questar and carry out our business through the following subsidiaries:

- o Questar E&P, Celsius Ltd. and Canor
- o QGM
- o Questar Energy Trading
- o Wexpro

Management of Questar has identified our company as the primary growth area within Questar's business strategy. Questar expects to spend approximately 70% of its budgeted capital expenditures over the next five years on non-regulated activities, primarily to expand our oil and gas reserves through drilling and acquisitions and to enlarge our infrastructure of gathering systems, processing plants, header facilities and nonregulated storage facilities. Our management believes that the diversity of our activities enhances our basic strategy to pursue complementary growth for our subsidiaries. As an example, as Questar E&P,

Celsius Ltd. and Canor, our exploration and production subsidiaries, find or acquire new oil and gas reserves, QGM should have more opportunities to expand gathering and processing activities, and Questar Energy Trading should have more physical production to support its marketing programs.

We are parties to several agreements with Questar and its affiliates which govern different aspects of our relationship with Questar. Summaries of the agreements may be found under the heading "OUR RELATIONSHIP WITH QUESTAR."

3

OUR CORPORATE STRUCTURE

The following is a diagram of Questar's and our corporate structure:

[FLOW CHART]

OUR BUSINESS STRATEGY

We believe we can best meet and balance the expectations of Questar and our fixed income investors by pursuing the following strategies in our business:

- o achieve a prudent, disciplined program for growing our oil and gas reserves
- o provide stakeholder value performance in both the short and long term
- o employ hedging and other risk management tools to manage cyclicity
- o maintain a strong balance sheet that permits prudent growth opportunities
- o maintain a portfolio of quality drilling prospects
- o identify and divest non-core and marginal assets and activities
- o employ technology and proven innovations to reduce costs

RECENT DEVELOPMENTS

Canadian Acquisition. On January 26, 2000, we completed the acquisition of all of the outstanding shares of Canor Energy Ltd., an oil and gas exploration company based in Calgary, Alberta. Canor owns or operates more than 800 wells located primarily in the province of Alberta, as well as in British Columbia and Saskatchewan. The purchase price for the cash transaction was \$61 million (U.S.).

4

The Canor acquisition will provide a broader operating and financial base for our Canadian activities, particularly in the areas of exploration and exploitation opportunities. We anticipate combining Celsius Ltd. and Canor into a single entity at some point in the future. The combination of Canor with Celsius Ltd. will expand our reported proved reserves by approximately 61.1 Bcfe, or 10%, and add about 150,000 net acres to our Canadian undeveloped leasehold inventory, principally in the province of Alberta.

Pinedale Project. In January 2000, Questar E&P and Wexpro completed a high-volume producing well in our Pinedale Anticline development in Sublette County, Wyoming. The Mesa Unit No. 3 produced 11.4 MMcf of natural gas into a pipeline and 113 barrels of oil during the initial 24-hour period. The flowing tubing pressure was 1,100 pounds per square inch. The Mesa Unit No. 3 was drilled to a total measured depth of 13,055 feet and was fracture-stimulated in 11 zones of the Lance Formation. Questar E&P and Wexpro have a combined 93.8% working interest in the well. We have completed a second Mesa Unit well (No. 6) located about one-half mile south of the Mesa Unit No. 3. The second well encountered a similar number of pay zones, and initial test results are comparable to the Mesa Unit No. 3. A third well failed to produce economic quantities of gas because of lower-quality reservoir rock. The unsuccessful well does not diminish our expectations for the development potential of our 14,800

gross acres in the Mesa area of the Pinedale Anticline, where we own a combined average 60% working interest. Based on 80-acre spacing, we estimate the potential for 130 or more drilling locations structurally above the unsuccessful well. Estimated ultimate reserves per well are expected to range between 4 and 11 Bcfe.

THE OFFERING

The following is a brief summary of some of the terms of this offering. For a more complete description of the terms of the senior notes see "DESCRIPTION OF THE SENIOR NOTES" in this prospectus.

Issuer..... Questar Market Resources, Inc.

Securities offered..... \$150,000,000 aggregate principal amount of % senior notes due 20[].

Maturity..... , 20[].

Interest payment dates..... and , beginning , 2000.

Ranking..... The senior notes will be unsecured and rank equally with our senior indebtedness. As a holding company, the claims of creditors of our subsidiaries will have priority over the claims of holders of senior notes.

As of December 31, 1999, after giving pro forma effect to this offering and our use of the net proceeds, there would have been outstanding approximately \$289 million of senior indebtedness.

Optional redemption..... We may redeem some or all of the senior notes at any time at the redemption prices described in this prospectus.

Use of proceeds..... We estimate that the net proceeds from the offering will be approximately \$ million. We intend to use these proceeds to:

- o repay commercial bank debt, and
- o repay intercompany indebtedness owed to Questar

SUMMARY HISTORICAL FINANCIAL DATA

	YEAR ENDED DECEMBER 31,				
	1999	1998	1997	1996	1995
	(IN THOUSANDS EXCEPT RATIO DATA)				
SELECTED INCOME STATEMENT DATA:					
Revenues.....	\$498,311	\$458,272	\$523,640	\$484,080	\$309,466
Operating expenses.....	421,533	401,643	459,803	419,392	265,613
Write-down of investment in oil & gas properties...	--	31,000	9,000	--	--
Operating income.....	76,778	25,629	54,837	64,688	43,853
Interest & other income.....	5,035	2,708	5,566	145	6,108
Debt expense.....	(17,363)	(12,631)	(10,882)	(8,699)	(6,323)
Income tax (expense) credit.....	(18,584)	1,019	(10,410)	(13,687)	(11,984)
Income from continuing operations.....	45,866	16,725	39,111	42,447	31,654
Discontinued operations.....	--	(563)	(1,021)	(322)	--
Net income.....	\$ 45,866	\$ 16,162	\$ 38,090	\$ 42,125	\$ 31,654
SELECTED BALANCE SHEET DATA:					
Total assets.....	\$847,891	\$815,153	\$696,675	\$696,754	\$457,620
Short-term debt.....	24,500	121,800	44,300	78,000	14,000
Long-term debt.....	264,894	181,624	133,387	120,000	53,000
Common equity.....	387,834	359,638	359,283	337,666	282,144
OTHER FINANCIAL DATA:					
EBITDA(1).....	\$160,421	\$130,714	\$136,481	\$123,512	\$100,034
Ratio of earnings to fixed charges(2).....	4.47	2.07	5.13	7.13	7.43
Net cash provided from operating activities.....	\$141,245	\$127,513	\$136,935	\$ 83,309	\$ 79,596
Net cash used in investing activities.....	94,858	246,693	81,306	184,453	17,606

(1) Net income from continuing operations plus interest (debt expense), income taxes, depreciation, depletion and amortization, including write-downs of

investment in oil and gas properties. We have included information concerning EBITDA because it is used as an indication of our ability to service our debt. EBITDA should be used together with operating income and cash flows as an indicator of our financial performance.

- (2) For purposes of this presentation, earnings represent income from continuing operations before income taxes and fixed charges. Fixed charges consist of total interest charges and amortization of debt issuance costs and the interest portion of rental costs (which is estimated at 50%). Write-downs of investment in oil and gas properties reduced income before income taxes by \$31 million in 1998 and \$9 million in 1997.

6

USE OF PROCEEDS

We plan to use the net proceeds from the sale of the senior notes to repay a portion of our commercial bank term debt and to repay intercompany indebtedness we owe Questar. At December 31, 1999, our bank long-term debt totaled approximately \$264.9 million and had an average interest rate of 6.54% per annum, and short-term debt owed to Questar totaled approximately \$24.5 million and had an interest rate of 6.61% per annum. We incurred our bank debt and the short-term debt we owe Questar for general corporate purposes, including working capital needs.

If gross proceeds of this offering were applied first to repayment of intercompany debt outstanding at December 31, 1999 and then to repayment of our commercial bank term debt on that date, affiliates of certain of the underwriters would receive the following loan repayment amounts: Bank of America--\$ million; Bank One NA-- \$ million; and Toronto Dominion Bank--\$ million.

CAPITALIZATION

The following table shows our short-term debt and capitalization as of December 31, 1999 and as adjusted for this offering.

	AS OF DECEMBER 31, 1999		
	ACTUAL	AS ADJUSTED	AS ADJUSTED PERCENTAGE
	(IN THOUSANDS)		
Short-term debt.....	\$ 24,500	--	--
Long-term debt.....	\$264,894	\$ 289,394	42.7%
Common shareholder's equity.....	387,834	387,834	57.3
Total capitalization.....	\$652,728	\$ 677,228	100.0%

7

SELECTED HISTORICAL FINANCIAL DATA

The following table sets forth our selected financial data for the five years ended December 31, 1999. You should read this table together with the "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the Consolidated Financial Statements and the notes thereto included in our registration statement on Form 10 dated April 12, 2000 incorporated by reference in this prospectus. The information for the years ended December 31, 1996 and 1995 is unaudited.

	YEAR ENDED DECEMBER 31,				
	1999	1998	1997	1996	1995
	(IN THOUSANDS EXCEPT RATIO DATA)				
SELECTED INCOME STATEMENT DATA:					
Revenues.....	\$498,311	\$458,272	\$523,640	\$484,080	\$309,466

Operating expenses.....	421,533	401,643	459,803	419,392	265,613
Write-down of investment in oil and gas properties.....	--	31,000	9,000	--	--
Operating income.....	76,778	25,629	54,837	64,688	43,853
Interest & other income.....	5,035	2,708	5,566	145	6,108
Debt expense.....	(17,363)	(12,631)	(10,882)	(8,699)	(6,323)
Income tax (expense) credit.....	(18,584)	1,019	(10,410)	(13,687)	(11,984)
Income from continuing operations.....	45,866	16,725	39,111	42,447	31,654
Discontinued operations.....	--	(563)	(1,021)	(322)	--
Net income.....	\$ 45,866	\$ 16,162	\$ 38,090	\$ 42,125	\$ 31,654
SELECTED BALANCE SHEET DATA:					
Total assets.....	\$847,891	\$815,153	\$696,675	\$696,754	\$457,620
Short-term debt.....	24,500	121,800	44,300	78,000	14,000
Long-term debt.....	264,894	181,624	133,387	120,000	53,000
Common equity.....	387,834	359,638	359,283	337,666	282,144
OTHER FINANCIAL DATA:					
EBITDA(1).....	\$160,421	\$130,714	\$136,481	\$123,512	\$100,034
Ratio of earnings to fixed charges(2).....	4.47	2.07	5.13	7.13	7.43
Net cash provided from operating activities.....	\$141,245	\$127,513	\$136,935	\$ 83,309	\$ 79,596
Net cash used in investing activities.....	94,858	246,693	81,306	184,453	17,606

(1) Net income from continuing operations plus interest (debt expense), income taxes, depreciation, depletion and amortization, including write-downs of investment in oil and gas properties. We have included information concerning EBITDA because it is used as an indication of our ability to service our debt. EBITDA should be used together with operating income and cash flows as an indicator of our financial performance.

(2) For purposes of this presentation, earnings represent income from continuing operations before income taxes and fixed charges. Fixed charges consist of total interest charges and amortization of debt issuance costs and the interest portion of rental costs (which is estimated at 50%). Write-downs of investment in oil and gas properties reduced income before income taxes by \$31 million in 1998 and \$9 million in 1997.

8

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis addresses changes in our financial condition and results of operations.

RESULTS OF OPERATIONS

YEAR ENDED DECEMBER 31,

1999 1998 1997

(IN THOUSANDS EXCEPT PER UNIT DATA)

OPERATING INCOME:

Revenues:				
Natural gas sales.....	\$125,245	\$ 98,767	\$ 89,489	
Oil and natural gas liquids sales.....	41,521	36,722	53,722	
Cost-of-service gas operations.....	61,705	61,448	52,950	
Energy marketing.....	243,296	234,565	297,413	
Gas gathering and processing.....	22,341	21,954	25,998	
Other.....	4,203	4,816	4,068	
Total revenues.....	498,311	458,272	523,640	
Operating expenses:				
Energy purchases.....	239,201	230,462	291,851	
Operating and maintenance.....	79,916	73,763	72,958	
Depreciation and amortization.....	78,608	71,377	67,078	
Write-down of oil and gas properties.....		31,000	9,000	
Other taxes.....	21,516	24,988	25,569	
Oil-income sharing.....	2,292	1,053	2,347	
Total operating expenses.....	421,533	432,643	468,803	
Operating income.....	\$ 76,778	\$ 25,629	\$ 54,837	

OPERATING STATISTICS:

Production volumes:				
Natural gas (in Mmcf).....	62,712	51,309	47,442	
Oil and natural gas liquids (in Mbbl).....	2,866	2,894	2,938	
Production revenue:				
Natural gas (per Mcf).....	\$ 2.00	\$ 1.92	\$ 1.89	
Oil and natural gas liquids (per Bbl).....	14.49	12.69	18.29	

Wexpro investment base, net of deferred income taxes (in thousands).....	\$108,890	\$ 97,594	\$ 72,867
Energy-marketing volumes (in thousands of equivalent Dth).....	112,982	113,513	142,601
Natural gas-gathering volumes (in MDth):			
For unaffiliated customers.....	84,961	72,908	57,586
For Questar Gas.....	32,050	29,893	28,506
For other affiliated customers.....	19,659	17,720	17,679
	-----	-----	-----
Total gathering.....	136,670	120,521	103,771
	=====	=====	=====
Gathering revenue (per Dth).....	\$ 0.15	\$ 0.16	\$ 0.21

Our operating income increased 36% in 1999 compared with 1998 excluding a 1998 full cost write-down. Primary factors were an increase in gas production, higher commodity prices and an increase in the Wexpro investment base.

9

Revenues from natural gas sales were 27% higher in 1999 compared with 1998. Gas production rose 22% and selling prices were 4% higher. Revenues from selling oil and natural gas liquids (NGL) climbed 13% in 1999 due to a 14% increase in average selling prices.

We achieved a 132% reserve replacement ratio in 1999. Reserve additions, revisions and purchases amounted to 139 Bcfe with the largest part of the increased reserves coming through drilling results. We drilled 235 wells (93 net wells) in 1999, including Wexpro's cost of service drilling, with a 90% success rate. In 1999 we sold 34 Bcfe of nonstrategic reserves mostly in the Permian Basin and Kansas with combined daily production of 4.3 MMcf of gas and 1,100 barrels of oil. The sale proceeds reduced the full cost amortization rate in the fourth quarter of 1999. Reserve replacement in 1998 was 250% or 173 Bcfe, primarily as a result of acquiring an estimated 150 Bcfe equivalent of proved oil and gas reserves, primarily in Oklahoma, as well as in Texas, Arkansas and Louisiana.

Wexpro's investment base, net of deferred income taxes, grew 12% to \$108.9 million as of December 31, 1999, through its successful development drilling program. Wexpro's effective after-tax return on investment in those properties was 18.9% at the end of the year.

We achieved a five-year average finding cost of \$.85 per Mcfe, including cost-of-service reserves, in 1999 compared with \$.93 per Mcfe in 1998.

During 1999, we had forward contracts in place on approximately 59% of our gas production at an average price of \$2.03 per Mcf, net back to the well. Approximately 56% of oil production, excluding oil produced by Wexpro, was hedged at an average price of \$15.02 per barrel, net back to the well, which was equivalent to \$16.33 per barrel using the West Texas Intermediate benchmark. At December 31, 1999, approximately 52% of our owned gas production in 2000 and 2001 was under hedging contracts with prices, net back to the well, between \$2.15 and \$2.23 per Mcf. On that date, approximately 84% of oil production in 2000 and 2001, excluding Wexpro, was hedged at \$17.22 to \$17.67 per barrel, net back to the well.

A 31% drop in the average selling price of oil and NGL caused a \$31 million write-down of oil and gas properties in the fourth quarter of 1998 under full-cost accounting rules. The write-down reduced our income in 1998 by \$18.5 million after taxes. Our revenues decreased 12% in 1998 compared with 1997, due primarily to lower marketing revenues and lower selling prices for oil and NGLs. Natural gas production increased 8% primarily as a result of producing properties acquired in September 1998. Lower commodity prices in Canada accounted for a \$6 million full-cost write-down out of a total write-down of \$9 million in 1997.

Revenues and product purchases for marketing activities both increased 4% in 1999 compared with 1998 resulting in no change in the margin year to year. In 1999, we received refunds from pipelines as a result of orders issued by the Federal Energy Regulatory Commission ("FERC"). Marketing volumes were unchanged year to year.

Revenues from gas gathering and processing grew 2% in 1999. Gathering volumes increased 13% because of increased drilling and gas production in the Rocky Mountain region. A reduction in projected gathering-contract revenues caused a \$3 million write-down of gathering assets out of a total write-down of \$9 million in 1997.

Operating and maintenance expenses increased 8% in 1999 primarily due to an increase in the number of gas and oil properties. Production costs in aggregate increased 10% in 1999 compared with 1998, but were 6% lower on an equivalent cost per Mcf basis. The full-cost amortization rate decreased to \$.80 per Mcfe for 1999, down from \$.85 in 1998. However, depreciation and amortization expense increased 10% in 1999 because of higher gas production.

Debt expense was higher in 1999 and 1998 when compared with the corresponding prior year, because of higher levels of borrowings used to finance capital expansion.

The effective income tax rates were below the combined federal, state and foreign statutory rate of about 40% primarily due to tax credits for tight-sands gas production. Production tax credits of \$5.3 million in 1999, \$5.7 million in 1998, and \$6.6 million in 1997 reduced income tax expenses.

LIQUIDITY AND CAPITAL RESOURCES

Operating Activities. Net cash flow provided from operating activities was sufficient to fund 1999 capital expenditures. In 1999, we refinanced reserve-based, long-term debt used to acquire gas and oil reserves in 1998.

	YEAR ENDED DECEMBER 31,		
	1999	1998	1997
	(IN THOUSANDS)		
Net Income.....	\$ 45,866	\$ 16,162	\$ 38,090
Non-cash transactions.....	90,465	100,106	77,132
Changes in working capital.....	4,914	11,245	21,713
Net cash provided from operating activities.....	\$141,245	\$127,513	\$136,935

Net cash provided from our operating activities increased 11% in 1999 primarily due to higher net income. Cash flows from accounts receivable declined, representing increases in balances in 1999, due to higher commodity prices. The write-downs of oil and gas properties in both 1998 and 1997 and their effect on deferred income taxes were noncash transactions.

Investing Activities. Our capital expenditures and other investing activities amounted to \$134.3 million in 1999, \$254.5 million in 1998 and \$92.3 million in 1997. Following is a summary of capital expenditures for 1999 and 1998, and a forecast for 2000:

	YEAR ENDED DECEMBER 31,		
	2000 FORECAST	1999	1998
	(IN THOUSANDS)		
Capital expenditures and other investing activities:			
Exploratory drilling.....	\$ 15,800	\$ 1,538	\$ 5,898
Development drilling.....	57,400	64,642	60,402
Other exploration.....	10,400	19,464	6,789
Reserve acquisitions.....	61,100	3,704	158,000
Production.....	11,300	12,856	8,434
Gathering and processing.....	7,900	12,703	11,046
General and other.....	1,600	19,362	3,977
Total.....	\$165,500	\$134,269	\$254,546

Capital expenditures in 1999 primarily comprised exploration and development of gas and oil reserves and a \$9.1 million equity contribution in a partnership that operates a liquids processing plant. We participated in drilling 235 wells (93 net wells) in 1999 that resulted in 167 gas wells, 10 oil wells, 19 dry holes and 39 wells in progress at year end. The 1999 drilling success rate was 90%. Early in 2000, we purchased 100% of the common stock of Canor with 61 Bcfe of gas and oil reserves for \$61 million (U.S.).

Financing Activities. Net cash flow provided from operating activities was sufficient to fund 1999 capital expenditures. In 1999, we used the proceeds of long-term debt and collection of notes receivable from Questar to reduce short-term borrowings from Questar and refinance reserve-based, long-term debt used to acquire gas and oil reserves. Proceeds from a sale of nonstrategic gas and oil properties were placed in an escrow account pending a reinvestment in strategic-producing properties.

In 1999, we entered into a long-term senior revolving-credit facility with a syndicate of banks. The credit facility has a \$295 million capacity. We had borrowed \$264.9 million as of December 31, 1999 under this arrangement. Net working capital was negative at December 31, 1999 because of short-term borrowings used to expand operations. We intend to refinance a portion of our debt with the proceeds from this offering.

Our consolidated capital structure consisted of 41% long-term debt and 59% common shareholder's equity at December 31, 1999.

11

MARKET RISK

Our primary market-risk exposures arise from commodity-price changes for natural gas, oil and other hydrocarbons and changes in long-term interest rates. We have an investment in a Canadian operation that subjects us to exchange-rate risk. We have also reserved certain volumes of pipeline capacity for which we are obligated to pay approximately \$3 million annually for the next seven years, whether or not we are able to market the capacity to others.

Energy Price Risk Management. Energy price risk is a function of changes in commodity prices as supply and demand fluctuate. We bear a majority of the risk associated with changes in commodity prices. A primary objective of energy price hedging is to protect our product sales from adverse changes in energy prices. We do not enter into hedging contracts for speculative purposes.

We held hedge contracts covering the price exposure for about 72.1 million Dth of gas and 2.4 million Bbl of oil at December 31, 1999. A year earlier hedge contracts covered 45.3 million Dth of natural gas and 464,000 Bbl of oil. The hedging contracts exist for a significant share of our owned gas and oil production and for a portion of gas-marketing transactions. These contracts at December 31, 1999 had terms extending through December 2001, with about 65% of those contracts expiring by the end of 2000.

The mark-to-market adjustment of gas and oil price-hedging contracts at December 31, 1999, was a negative \$6.2 million. The calculation used energy prices posted on the New York Mercantile Exchange from the last trading day of 1999. A 10% decline in gas and oil prices would cause a positive \$16.7 million mark-to-market adjustment resulting in a \$10.5 million balance. Conversely, a 10% increase in prices results in a \$16.3 million lower fair value adjustment. The fair value of hedging contracts at December 31, 1998 was \$6 million. In 1998, a 10% decrease in prices would have resulted in a \$3.9 million increase in the fair value of contracts, while a 10% increase in prices would have resulted in a \$4.1 million lower fair value calculation. This sensitivity calculation does not consider the effect of gains or losses recognized on the underlying physical side of these transactions, which should largely offset the change in value.

Interest Rate Risk Management. We owed \$264.9 million of variable-rate long term debt at December 31, 1999 and \$181.6 million at December 31, 1998. The book value of variable rate debt approximates its fair value. If interest rates change by 10%, interest costs would increase or decrease by about \$1.7 million in 1999 and \$1.1 million in 1998. This sensitivity calculation does not represent the cost to retire the debt securities.

Securities Available for Sale. Securities available for sale represent equity instruments traded on national exchanges. The value of these investments is subject to day to day market volatility. A 10% change in prices would increase or decrease the value by \$1.0 million in 1999.

Foreign Currency Risk Management. We do not hedge the Canadian currency exposure of our Canadian operation's net assets. The net assets of the Canadian operation were negative at December 31, 1999. Long-term debt held by the

Canadian operation, amounting to \$59.9 million (U.S.), is expected to be repaid from future operations of the foreign company. In January 2000, we expanded our foreign operations by acquiring 100% of the outstanding common stock of Canor for \$61 million (U.S.).

YEAR 2000 ISSUES

Questar established a team to address the issue of computer programs and embedded computer chips being unable to distinguish between the year 1900 and the year 2000 ("Y2K"). The team identified 55 projects among Questar and its affiliated companies that were assessed, remediated, tested, and determined to be completed. In the process, Questar employees contacted more than 8,000 vendors and suppliers to assess their readiness to meet obligations to Questar. The cost of the Y2K project was approximately \$5.1 million and our share of those costs was \$.4 million.

We did not experience a disruption of operations because of Y2K. Preparation for Y2K provided several benefits. We completed an inventory of our primary systems and a testing laboratory. Systems were tested and remediated where necessary. The testing laboratory will become an important part of our information-technology management. In response to the Y2K challenge, business contingency plans were revised and successfully tested.

12

BUSINESS

GENERAL

We and our subsidiaries comprise the Market Resources unit of Questar, a publicly-traded diversified natural gas company with two principal business units, Market Resources and Regulated Services. We engage in oil and gas exploration and production; gas gathering and processing; wholesale gas, electricity, and hydrocarbon liquids trading; and the acquisition and development of producing oil and gas properties. We are a subholding company of Questar and carry out our business through the following subsidiaries:

- o Questar E&P, Celsius Ltd. and Canor
- o QGM
- o Questar Energy Trading
- o Wexpro

Management of Questar has identified our company as the primary growth area within Questar's business strategy. Questar expects to spend approximately 70% of its budgeted capital expenditures over the next five years on non-regulated activities, primarily to expand our oil and gas reserves through drilling and acquisitions and to enlarge our infrastructure of gathering systems, processing plants, header facilities and nonregulated storage facilities. Our management believes that the diversity of our activities enhances our basic strategy to pursue complementary growth for our subsidiaries. As an example, as Questar E&P, Celsius Ltd. and Canor, our exploration and production subsidiaries, find or acquire new oil and gas reserves, QGM should have more opportunities to expand gathering and processing activities, and Questar Energy Trading should have more physical production to support its marketing programs.

Our executive offices are located at 180 East 100 South Street, P.O. Box 45601, Salt Lake City, Utah 84145-0601, and our telephone number is (801) 324-2600. We also maintain regional operating offices in Denver, Colorado; Oklahoma City, Oklahoma; Tulsa, Oklahoma; Rock Springs, Wyoming; and Calgary, Alberta.

OIL AND GAS EXPLORATION AND PRODUCTION--QUESTAR E&P, CELSIUS LTD. AND CANOR

Our exploration and production, or E&P, subsidiaries, Questar E&P, Celsius Ltd. and Canor, form a unique group that conducts a blended program of low-cost development drilling, low-risk oil and gas reserve acquisition, and high-quality exploration. The E&P group also maintains a geographical balance and diversity while concentrating its activities in core areas in which it has accumulated geologic knowledge and developed significant management expertise. Core areas of activity include the Rocky Mountain Region of Wyoming, Colorado, and Utah; the

Mid-Continent Region of Oklahoma, the Texas Panhandle, East Texas, and the Upper Gulf Coast; the Southwest Region of northwest New Mexico and southwest Colorado; and the Western Canada Sedimentary Basin located primarily in Alberta, Canada.

At December 31, 1999, we had proved noncost-of-service reserves of 612.9 Bcfe of natural gas, crude oil and natural gas liquids. Noncost-of-service reserves exclude those cost-of-service reserves of our affiliate, Questar Gas. Natural gas comprised 84% of total noncost-of-service proved reserves and proved developed reserves comprised 85% of total noncost-of-service proved reserves on energy equivalent bases.

Proved reserves are those quantities of natural gas and crude oil, condensate and natural gas liquids on a net revenue interest basis which geological and engineering data demonstrate with reasonable certainty are recoverable under existing economic and operating conditions. Proved developed reserves include proved developed producing reserves and proved developed behind-pipe reserves. Proved developed producing reserves include only those reserves expected to be recovered from existing completion intervals in existing wells. Proved undeveloped reserves include those reserves expected to be recovered from new wells on proved undrilled acreage or from existing wells where a relatively major expenditure is required for re-completion.

13

GAS GATHERING AND PROCESSING--QGM

QGM conducts gathering and processing activities in the Rocky Mountain and Mid-Continent areas. Its activities are not subject to regulation by the FERC. QGM was formed in 1993 as a wholly-owned subsidiary of Questar Pipeline to construct and operate the Blacks Fork Processing Plant in southwestern Wyoming. It expanded in 1996 when Questar Pipeline transferred its gathering assets and activities to QGM. In mid-1996, ownership of QGM was moved from Questar Pipeline to us and QGM acquired the processing plants that formerly belonged to Questar E&P.

QGM's gathering system consists of 1,400 miles of gathering lines, compressor stations, field dehydration plants and measuring stations, and was largely built to gather production from Questar Gas' cost-of-service properties. During 1999, QGM gathered 32.1 MMDth of natural gas from Questar Gas, compared to 29.9 MMDth in 1998, for which it received \$4.7 million in 1999 in demand charges from Questar Gas. Under a contract that was assigned with the gathering assets from Questar Pipeline, QGM is obligated to gather Questar Gas' cost-of-service production for the life of the properties. QGM's total gas gathering volumes were 136.7 MMDth in 1999 compared to 120.5 MMDth in 1998.

QGM's gathering system was originally built as part of a regulated company. QGM now operates in a different competitive environment. Often, new wells will have connections with more than one gathering system, and producers insist that gathering systems be tied to more than one pipeline.

In addition to gathering activities, QGM is also engaged in processing activities. It owns a 50% interest in the Blacks Fork Processing Plant, which has a daily capacity of 84 MMcf and may be expanded during 2000. This plant strips liquids such as ethane and butane from natural gas volumes. QGM and Wexpro jointly own a new processing facility located in the Canyon Creek area of southwestern Wyoming that has an operating capacity of 45 MMcf per day. QGM also owns interests in other processing plants in the Rocky Mountain and Mid-Continent areas.

WHOLESALE MARKETING AND TRADING--QUESTAR ENERGY TRADING

Questar Energy Trading conducts energy marketing and trading activities. It combines gas volumes purchased from third parties and equity production (production that is produced by affiliates) to build a flexible and reliable portfolio. Questar Energy Trading aggregates supplies of natural gas for delivery to large customers including industrial users and other marketing entities. During 1999, Questar Energy Trading marketed a total of 101.1 MMDth of natural gas, 2.0 MMBbls of liquids, and 10,000 megawatt-hours of electricity and earned a gross profit margin of \$4.1 million.

Questar Energy Trading uses derivatives as a risk management tool to provide price protection for physical transactions involving equity production and marketing transactions, and executes hedges for equity production on behalf

of Questar E&P with a variety of contracts for different periods of time.

As a wholesale marketing entity, Questar Energy Trading concentrates on markets in the Pacific Northwest, Rocky Mountains, Midwest, Southwest, California and western Canada that are close to reserves owned by affiliates or accessible by major pipelines.

To sustain its activities in an increasingly competitive environment in which sellers and purchasers are becoming more sophisticated, Questar Energy Trading will endeavor to expand its capabilities. An affiliated new limited liability company has filed an application with the FERC and obtained authorization to construct and operate a private storage reservoir in southwestern Wyoming adjacent to several interstate pipelines and is negotiating partnerships to obtain additional expertise and access to sophisticated information technology.

DEVELOPMENT AND PRODUCTION--WEXPRO

We conduct development drilling and provide production services to Questar Gas through Wexpro. Wexpro was incorporated in 1976 as a subsidiary of Questar Gas. Questar Gas' efforts to transfer producing properties and leasehold acreage to Wexpro resulted in protracted regulatory proceedings and legal adjudications that ended with a court-approved settlement agreement that was effective August 1, 1981. Wexpro became our subsidiary in 1982.

14

Unlike our other E&P companies, Wexpro generally does not conduct exploratory operations and does not acquire leasehold acreage for exploration activities. It conducts oil and gas development and production activities on certain producing properties located in the Rocky Mountain region under the terms of the settlement agreement. Wexpro produces gas from specified properties for Questar Gas and is reimbursed for its costs plus a return on its investment. In connection with its operations, Wexpro charges Questar Gas for its cost plus a specified rate of return (at the end of 1999, 18.9%, and adjusted annually based on a specified formula) on its net investment in these properties adjusted for working capital and deferred taxes. Under the terms of the settlement agreement, Wexpro bears all dry hole costs. The settlement agreement is monitored by the Utah Division of Public Utilities, the staff of the Public Service Commission of Wyoming, and experts retained by those agencies. A summary of the settlement agreement may be found below under the heading "OUR RELATIONSHIP WITH QUESTAR -Wexpro Settlement Agreement with Questar Gas."

The gas volumes produced by Wexpro for Questar Gas are reflected in Questar Gas' rates at cost-of-service. Cost-of-service gas produced by Wexpro satisfied approximately 49% of Questar Gas' system requirements during 1999. Questar Gas relies upon Wexpro's drilling program to develop the properties from which the cost-of-service gas is produced. During 1999, the average wellhead cost of Questar Gas' cost-of-service gas was \$1.50 per Dth, which is lower than Questar Gas' average price for field-purchased gas. To fulfill its obligations to Questar Gas under the settlement agreement, Wexpro must continue to be a prudent operator. In 1999, Wexpro produced 38.9 Bcf of natural gas from Questar Gas' cost-of-service properties and added cost-of-service reserves of 52.5 Bcf through drilling activities and reserve estimate revisions.

Wexpro participates in drilling activities in response to the demands of other working interest owners, to protect its rights and to meet the needs of Questar Gas. Since August 1, 1981, Wexpro has had an ownership interest in the wells and facilities related to its oil reservoirs and in the wells and facilities that have been installed to develop and produce gas reservoirs described above.

GOVERNMENT REGULATION

Our operations are subject to various levels of government controls and regulation in the United States and Canada.

United States Regulation. In the United States, legislation affecting the oil and gas industry has been pervasive and is subject to continuing review for amendment or expansion. Various Federal, state and local laws and regulations cover environmental, safety and conservation matters. Numerous Federal, state and local departments and agencies have issued extensive rules and regulations binding on the oil and gas industry and its individual members, some of which

carry substantial penalties for the failure to comply. These laws and regulations have a significant impact on oil and gas drilling and production activities, increase the cost of doing business and, consequently, affect profitability. Because new legislation affecting the oil and gas industry is commonplace and existing laws and regulations are frequently amended or reinterpreted, we are unable to predict the future cost or impact of complying with these laws and regulations.

Canadian Regulation. The oil and gas industry in Canada is subject to extensive controls and regulations imposed by various levels of government, including royalties and incentives payable to the federal and provincial governments, export licensing, environmental regulation, and regulation of the acquisition of Canadian businesses and certain natural resource properties by non-Canadians. We do not expect that any of these controls or regulations will affect our Canadian operations in a manner materially different than they would affect other oil and gas companies of similar size.

We take the issue of environmental stewardship very seriously and work diligently to comply with applicable environmental rules and regulations. Compliance with environmental laws and regulations has not had a material adverse effect on our operations or financial condition in the past. However, because environmental laws and regulations are becoming increasingly stringent, it is possible that these laws and regulations or any environmental law or regulation enacted in the future will have a material adverse effect on our operations or financial condition.

15

COMPETITION

The oil and gas business is highly competitive. We face competition in all aspects of our business, including acquiring reserves, leases, licenses and concessions; obtaining goods, services and labor needed to conduct our operations and manage our company; and marketing our oil and gas. Intense competition occurs with respect to marketing and trading, particularly of natural gas. Our competitors include multinational energy companies, other independent producers and individual producers and operators, many of which have greater financial and other resources than we do.

SEASONAL NATURE OF BUSINESS

Generally, but not always, the demand for natural gas decreases during the summer months and increases during the winter months. Seasonal anomalies such as mild winters sometimes lessen this fluctuation. In addition, pipelines, utilities, local distribution companies and industrial users utilize natural gas storage facilities and purchase some of their anticipated winter requirements during the summer. This can also lessen seasonal demand fluctuations.

NATURAL GAS AND OIL MARKETING

We market substantially all of our own natural gas and oil production. The revenues generated by our operations are highly dependent upon the prices of, and demand for, oil and gas. The price we receive for our crude oil and natural gas depends upon numerous market factors, the majority of which are beyond our control, including economic conditions in the United States and elsewhere, the world political situation, OPEC actions and governmental regulation. The fluctuation in world oil prices continues to reflect market uncertainty regarding the balance of world demand for and supply of oil and gas. The fluctuation of natural gas prices reflects the seasonal swings of storage inventory, weather conditions, and increasing utilization of natural gas for electric generation as it affects overall demand. Decreases in the prices of oil and gas have had, and could have in the future, an adverse effect on our development and exploration programs, proved reserves, revenues, profitability and cash flow.

CUSTOMERS

We sell our gas production to a variety of customers including pipelines, gas marketing firms, industrial users and local distribution companies. We use existing gathering systems and interstate and intrastate pipelines to consummate gas sales and deliveries. The principal customers for our crude oil production are refiners, remarketers and other companies, some of which have pipeline facilities near the producing properties. In the event pipeline facilities are

not conveniently available, crude oil is trucked to storage, refining or pipeline facilities.

EMPLOYEES

As of March 15, 2000, we had 417 full-time employees. None of our employees is represented by organized labor unions. We also engage from time to time independent consulting petroleum engineers, environmental professionals, geologists, geophysicists, landmen and attorneys on a fee basis.

16

OUR RELATIONSHIP WITH QUESTAR

We are parties to several agreements with Questar and its affiliates which govern different aspects of our relationship with Questar. The more significant of these are described below.

Tax Sharing Agreement with Questar. Under a tax sharing agreement with Questar, our revenues and expenses are included in the consolidated Federal tax return of Questar. We file most of our state income tax returns on a separate basis. We are allocated Federal tax benefits and charges on the basis of statutory U.S. tax rates applied to our taxable income or loss included in the consolidated returns. The benefits of general business credits, foreign tax credits and any other tax credits are utilized in computing current tax liability. We are paid for tax benefits generated and utilized in Questar's consolidated federal and state income tax returns, whether or not we would have been able to utilize these benefits on a separate tax return. Income tax assets or liabilities are settled on a quarterly basis.

Wexpro Settlement Agreement with Questar Gas. Wexpro and Questar Gas are parties to a settlement agreement which became effective August 1, 1981 and sets forth the rights of Questar Gas' utility operations to share in the results of Wexpro's operations. The agreement was approved by the Public Service Commissions of Wyoming and Utah in 1981 and affirmed by the Supreme Court of Utah in 1983. Major provisions of the settlement agreement include:

- o Wexpro continues to hold and operate all oil-producing properties previously transferred from Questar Gas' nonutility accounts. The oil production from these properties is sold at market prices, with the revenues used to recover operating expenses and to give Wexpro a return on its investment. The after tax rate of return is adjusted annually and is approximately 13.7%. Any net income remaining after recovery of expenses and Wexpro's return on investment is divided between Wexpro and Questar Gas, with Wexpro retaining 46%.
- o Wexpro conducts developmental oil drilling on productive oil properties and bears any costs of dry holes. Oil discovered from these properties is sold at market prices, with the revenues used to recover operating expenses and to give Wexpro a return on its investment in successful wells. The after tax rate of return is adjusted annually and is approximately 18.7%. Any net income remaining after recovery of expenses and Wexpro's return on investment is divided between Wexpro and Questar Gas, with Wexpro retaining 46%.
- o Questar Gas uses the amounts it receives from sharing Wexpro's oil income to reduce natural gas costs to utility customers.
- o Wexpro conducts developmental gas drilling on productive gas properties and bears any costs of dry holes. Natural gas produced from successful drilling is owned by Questar Gas. Wexpro is reimbursed for the costs of producing the gas plus a return on its investment in successful wells. The after tax return allowed Wexpro is approximately 21.7%.
- o Wexpro operates Questar Gas' natural gas properties and is reimbursed for its costs of operating these properties, including a rate of return on any investment Wexpro makes. This rate of return is currently 13.7%.

Transportation Agreements with Affiliates. Questar Pipeline transports natural gas produced from properties operated by Wexpro and owned by Questar Gas. Questar Pipeline also transports volumes of natural gas marketed by Questar Energy Trading.

Transfer of Gas Gathering Assets. In 1996, Questar Pipeline transferred approximately \$55 million of gas-gathering assets to QGM, which was at the time its subsidiary. QGM was subsequently transferred to us on July 1, 1996. The transaction was in the form of a stock dividend payable to Questar, which contributed the stock to us.

17

DESCRIPTION OF THE SENIOR NOTES

GENERAL

We will issue the senior notes as a series of debt securities under an indenture dated as of _____, 2000, between us and Bank One Trust Company, NA, as trustee. The following description is only a summary of the material provisions of the indenture. We urge you to read the indenture because it, and not this description, defines your rights as holders of the senior notes. A copy of the proposed form of indenture is available upon request made to us or to the underwriters. When we refer to securities, we refer to all debt securities that we have issued or may issue in the future under the indenture and include the senior notes.

In addition to the senior notes we are offering in this prospectus, the indenture provides for the issuance of additional securities in one or more series, without limitation as to aggregate principal amount. The senior notes will be our unsecured obligations and will rank in parity with all our other unsecured and unsubordinated indebtedness. Other than a limitation on liens covenant, the indenture does not contain restrictive covenants which would require us to maintain certain financial ratios or restrict our ability to incur additional indebtedness. The covenants contained in the indenture would not necessarily afford holders of the senior notes protection if a highly-leveraged transaction involving us were to adversely affect holders.

We are a subholding company whose only material asset is the capital stock of our subsidiaries. Our operations are conducted through our subsidiaries and our cash flow will be derived principally from dividends on the capital stock of our subsidiaries. Claims of creditors of our subsidiaries will have priority with respect to the assets and earnings of such subsidiaries over the claims of our creditors, including holders of the senior notes.

DENOMINATIONS AND INTEREST

The senior notes are being issued in an aggregate principal amount of \$150,000,000 and will mature on _____, 20[]. The senior notes will be issued in fully registered form in denominations of \$1,000 and any amount which is an integral amount multiple of \$1,000.

Interest at the annual rate for the senior notes set forth on the cover page of this prospectus is payable semi-annually on _____ and _____ of each year, commencing _____, 2000. We will make each interest payment to the persons who are registered holders of the notes at the close of business on the preceding _____ and _____, respectively. Interest will be computed on the basis of a 360-day year of twelve months of 30 days each. Interest will begin to accrue on _____, 2000. If any interest payment date, maturity date or redemption date falls on a day that is not a business day, the payment will be made on the next business day and no interest will accrue for the period from and after such interest payment date, maturity date or redemption date.

OPTIONAL REDEMPTION

The senior notes may be redeemed in whole or in part at our option at any time or from time to time upon not less than 30 nor more than 60 days' notice at a redemption price equal to the greater of (i) 100% of the principal amount of the senior notes to be redeemed and (ii) the sum of the present values of the remaining scheduled payments of principal and interest on the senior notes to be redeemed (not including any portion of such payments of interest accrued as of the redemption date) discounted to the redemption date on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus [] basis points, plus in each case accrued interest on the senior notes to the date of redemption (provided that interest payments due on or prior to the redemption date will be paid to the record holders of such senior notes on the relevant record date).

"Treasury Rate" means, with respect to any redemption date, the rate per annum equal to the semiannual equivalent yield to maturity of the Comparable Treasury Issue, assuming a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for such redemption date.

"Comparable Treasury Issue" means the United States Treasury security selected by an Independent Investment Banker as having a maturity comparable to the remaining term of the senior notes to be redeemed

18

that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of a comparable maturity to the remaining term of the senior notes.

"Independent Investment Banker" means one of the Reference Treasury Dealers appointed by the trustee after consultation with us.

"Comparable Treasury Price" means, with respect to any redemption date, (A) the average of the Reference Treasury Dealer Quotations for such redemption date, after excluding the highest and lowest such Reference Treasury Dealer Quotations, or (B) if the trustee obtains fewer than four such Reference Treasury Dealer Quotations, the average of all such quotations.

"Reference Treasury Dealer Quotations" means, with respect to each Reference Treasury Dealer and any redemption date, the average, as determined by the trustee, of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the trustee by such Reference Treasury Dealer at 3:30 p.m. New York time on the third business day in The City of New York preceding such redemption date.

"Reference Treasury Dealer" means at least five primary U.S. Government securities dealers in The City of New York as we shall select.

Unless we default in payment of the redemption price, on and after the redemption date interest will cease to accrue on the senior notes or portions thereof called for redemption. If less than all of the senior notes are to be redeemed, the trustee will select the senior notes to be redeemed by such method as the trustee shall deem fair and appropriate.

MANDATORY REDEMPTION; SINKING FUND

There is no sinking fund or mandatory redemption obligation applicable to the senior notes.

BOOK-ENTRY SYSTEM

The senior notes will be issued in the form of a single global security. The senior notes will be deposited with the trustee as custodian for The Depository Trust Company, or DTC, on behalf of DTC and for so long as DTC or its nominee is the registered owner of the senior notes, DTC or its nominee, as the case may be, will be considered the sole holder of the senior notes for all purposes under the indenture. Except as set forth below, a security may not be transferred except as a whole by DTC to a nominee of DTC or by a nominee of DTC.

Upon our issuance of the senior notes, DTC or its nominee will credit the accounts of persons holding through it on its book-entry registration and transfer system with the respective principal amounts of the senior notes represented by the global security. The accounts to be credited will be designated by the applicable underwriter of such senior notes. Ownership of beneficial interests in the global security will be limited to persons who have accounts with DTC, called participants, or persons that hold interests through participants. Ownership of beneficial interests by participants in the global security will be shown on, and the transfer of that ownership will be effected only through, records maintained by DTC or its nominee for the global security. Ownership of beneficial interest in a global security by persons that hold interests through participants will be shown on, and the transfer of ownership will be effected only through, records maintained by such participant. The laws of some states may require that certain purchasers of securities take physical delivery of such securities in definitive form. Such limits and such laws may impair the ability to transfer beneficial interest in a global security.

Except as provided below, owners of beneficial interests in senior notes represented by a global security will not be entitled to have senior notes represented by the global security registered in their names, will not receive or be entitled to receive physical delivery of senior notes in definitive form, known as certificated notes, and will not be considered the owners or holders of such notes under the indenture.

Senior notes represented by a global security will be exchangeable for certificated senior notes only if:

- o DTC or its nominee notifies us that it is unwilling or unable to continue as depository for the global security or we become aware that DTC has ceased to be a clearing agency registered under

19

the Exchange Act and we have not appointed a successor depository within 90 days after we receive such notice or become aware of such ineligibility or

- o we, in our sole discretion, determine to discontinue use of the system of book-entry transfer and to exchange the global security for certificated notes

Upon any such exchange, the certificated senior notes will be registered in the names that DTC or its nominee holding the global security may direct.

We will make principal, premium and interest payments on the global security to DTC or its nominee, as the case may be, as the sole registered owner and the sole holder of the notes represented thereby for all purposes under the indenture. DTC's practice is to credit participants' accounts on the applicable payment date in accordance with their respective holdings shown on DTC's records unless DTC has reason to believe that it will not receive payment on such date. We expect that payments by participants to owners of beneficial interests in a global security held through such participants will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of such participant and not of DTC, the trustee or us, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of principal, premium and interest to DTC is our responsibility and that of the trustee, disbursement of such payments to participants is the responsibility of DTC, and disbursement of such payments to the owners of beneficial interests in a global security held through such participants is the responsibility of such participants. Neither we, the trustee, the Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests of a global security representing any notes or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

The senior notes will be issued as fully registered securities registered in the name of Cede & Co., DTC's partnership nominee. DTC is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code and a "clearing agency" registered pursuant to the provisions of Section 17A of the Exchange Act. DTC was created to hold the securities of its participants and to facilitate the clearance and settlement among participants of securities transactions, such as transfers and pledges, in deposited securities through electronic computerized book-entry changes in participants' accounts, thus eliminating the need of physical movement of securities certificates. Direct participants of DTC include securities brokers and dealers, including the underwriters, banks, trust companies, clearing corporations and certain other organizations. DTC is owned by a number of its direct participants and by the New York Stock Exchange, Inc., the American Stock Exchange, Inc., and the National Association of Securities Dealers, Inc. Access to DTC's system is also available to others, known as indirect participants, such as securities brokers and dealers, banks and trust companies that clear through or maintain a direct or indirect custodial relationship with a direct participant, either directly or indirectly. The rules applicable to DTC and its participants are on file with the Securities and Exchange Commission.

Purchases of senior notes under DTC's system must be made by or through direct participants, which will receive a credit for such senior notes on DTC's records. The ownership interest of each actual purchaser, or beneficial owner, of each senior note represented by a global security is in turn to be recorded on the records of direct participants and indirect participants. Beneficial owners will not receive written confirmation from DTC of their purchase, but beneficial owners are expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the direct participants or indirect participants through which such beneficial owner entered into the transaction. Transfer of ownership interests in the global security are to be accomplished by entries made on the books of participants acting on behalf of beneficial owners. Beneficial owners of the global security will not receive certificated notes representing their ownership interests in the global security, except in the limited circumstances described above.

To facilitate subsequent transfers, the global security deposited with, or on behalf of, DTC is registered in the name of DTC's nominee, Cede & Co. The deposit of the global security with, or on behalf of, DTC and its registration in the name of Cede & Co. effect no change in beneficial ownership. DTC has no

20

knowledge of the actual beneficial owners of the global security; DTC's records reflect only the identity of the direct participants to whose accounts senior notes are credited, which may or may not be the beneficial owners. The participants will remain responsible for keeping account of their holdings on behalf of their customers.

Conveyance of notices and other communications by DTC to direct participants, by direct participants to indirect participants, and by direct participants and indirect participants to beneficial owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

Neither DTC nor Cede & Co. will consent or vote with respect to the senior notes. Under its usual procedures, DTC mails an omnibus proxy to us as soon as possible after the applicable record date. The omnibus proxy assigns Cede & Co.'s consenting or voting rights to those direct participants to whose account the senior notes are credited on the applicable record date (identified in a listing attached to the omnibus proxy).

If applicable, redemption notices will be sent to Cede & Co. If less than all of the senior notes are being redeemed, DTC's practice is to determine by lot the amount of the interest of each direct participant in such issue to be redeemed.

No service charge will be made for the registration of transfer or exchange of senior notes, but we may require payment of a sum sufficient to cover any transfer tax or similar governmental charge payable in connection therewith. Senior notes may be surrendered for registration of transfer or exchange at our offices or agencies maintained for such purpose, which shall initially be the Corporate Trust Office of the trustee in Chicago, Illinois. In the event that certificated senior notes are issued or if DTC shall so require, we will be required to appoint a paying agent and security registrar in The City of New York. We may appoint additional paying agents and security registrar and may change any paying agent or security registrar, subject to our obligation under the indenture to maintain a paying agent and security registrar in Chicago, Illinois and, in the event that certificated senior notes are issued or if DTC shall so require, The City of New York. At our option, payment of interest on certificated senior notes may be made by check mailed to the addresses of the persons entitled thereto as they appear on the security register.

LIMITATIONS ON LIENS

Subject to certain exceptions, we will not, and will not permit any Subsidiary to, create, assume or suffer to exist, otherwise than in favor of us or a Subsidiary, any mortgage, pledge, lien, encumbrance, or security interest (collectively, "Liens") upon any of our properties or assets or upon any income or profits therefrom unless the senior notes shall be equally and ratably secured. This prohibition will not apply to:

- o Liens existing as of the date of the indenture;

- o any purchase money mortgage or Lien created to secure all or part of the purchase price of any property (or to secure a loan made to us or any Subsidiary to enable it to acquire such property), provided that such Lien shall extend only to the property so acquired, improvements thereon, replacements thereof and the income or profits therefrom;
- o Liens on any property at the time of the acquisition thereof, whether or not assumed by us or a Subsidiary; provided that such Lien shall extend only to the property so acquired, improvements thereon, replacements thereof and income or profits therefrom;
- o Liens on property or any contract for the sale of any product or service, or any rights thereunder or any proceeds therefrom, acquired or constructed by us or a Subsidiary and created within one year after the later of:

- o the completion of such acquisition or construction, or

- o the commencement of operation of the property,

provided that such Lien shall extend only to the property so acquired or constructed, improvements

21

thereon, replacements thereof and income or profits therefrom;

- o Liens on the property or assets of Subsidiaries outstanding at the time they become Subsidiaries;
- o Liens created or assumed by us or a Subsidiary on coal, geothermal, oil, natural gas, inert gas, other hydrocarbon or mineral properties owned or leased by us or a Subsidiary to secure loans to us or a Subsidiary, for the purpose of developing such properties;
- o Liens on any investment (as defined in the indenture) of ours or that of a Subsidiary of ours in any Person other than a Subsidiary or on any security representing any investment of ours or a Subsidiary of ours;
- o any Lien not otherwise permitted by the indenture, provided that after giving effect to such Lien the sum of all indebtedness of us and our Subsidiaries secured by Liens not otherwise permitted by the indenture and all Attributable Debt of us and our Subsidiaries (to the extent not included in indebtedness secured by Liens not otherwise permitted) does not exceed 10% of Consolidated Capitalization;
- o any refunding or extension of maturity, in whole or in part, of any obligation or indebtedness secured by certain permitted Liens, provided that the principal amount of the obligation or indebtedness secured by such refunding or extension shall not exceed the principal amount of the obligation or indebtedness then outstanding and shall be limited in lien to the same or substituted property and after-acquired property that secured the refunded or extended obligation or indebtedness;
- o Liens upon any office equipment, data processing equipment or any motor vehicles, tractors or trailers;
- o Liens of or upon or in current assets of ours or a Subsidiary of ours created or assumed to secure indebtedness incurred in the ordinary course of business;
- o any Lien which is payable, both with respect to principal and interest, solely out of the proceeds of natural gas, oil, coal, geothermal resources, inert gas, hydrocarbons or minerals to be produced from the property subject thereto and to be sold or delivered by us or a Subsidiary of ours;
- o Liens to secure indebtedness incurred to finance advances made by us or any Subsidiary of ours to any third party for the purpose of financing oil, natural gas, hydrocarbon, inert gas or other mineral exploration or development, provided that such Liens shall extend only to our receivables or that of such Subsidiary in respect of such advances; and

- o any rights reserved in others to take or reserve any part of the natural gas, oil, coal, geothermal resources, inert gas, hydrocarbons or minerals produced at any time on any property of ours or a Subsidiary of ours.

Also excepted from the general prohibition are various other liens, such as mechanics' or materialmen's liens, certain governmental liens, leases, certain judgment liens, and certain liens arising in connection with leases, easements and rights-of-way.

DEFINITIONS

Certain terms used in the indenture are defined and are used in this prospectus as follows:

"Attributable Debt" means, as of the date of determination, the present value of net rent for the remaining term of a capital lease, determined in accordance with generally accepted accounting principles in the United States ("GAAP"), which is part of a Sale and Leaseback Transaction (as defined), including any periods for which the lessee has the right to renew or extend the lease. For purposes of the foregoing, "net rent" means the sum of capitalized rental payments required to be paid by the lessee, other than amounts required to be paid by the lessee for maintenance, repairs, insurance, taxes, assessments, energy, fuel, utilities and similar charges. In the case of a capital lease which is terminable by the lessee upon the payment of a

22

penalty, such net amount shall also include the amount of such penalty, but no rent shall be considered to be required to be paid under such lease subsequent to the first date upon which it may be so terminated.

"Consolidated Capitalization" means, without duplication, the sum of:

- o the principal amount of our Consolidated Funded Debt and that of our Subsidiaries at the time outstanding,
- o the total capital represented by our capital stock and that of our Subsidiaries at the time outstanding based, in the case of stock having par value, upon its par value, and in the case of stock having no par value, upon the value stated on our books,
- o the total amount of (or less the amount of any deficit in) our retained earnings and paid-in capital and that of our Subsidiaries,
- o reserves for deferred federal and state income taxes arising from timing differences, and
- o Attributable Debt, all as shown on a consolidated balance sheet of us and our Subsidiaries prepared in accordance with GAAP; provided that in determining the consolidated retained earnings and paid-in capital of us and our Subsidiaries no effect shall be given to any unrealized write-up or write-down in the value of assets or any amortization thereof, except for accumulated provisions for depreciation, depletion, amortization and property retirement which shall have been created by charges made by us or any of our Subsidiaries on our or their books.

"Consolidated Funded Debt" means our Funded Debt and that of our Subsidiaries, consolidated in accordance with GAAP.

"Funded Debt" means all Indebtedness that will mature, pursuant to a mandatory sinking fund or prepayment provision or otherwise, and all installments of Indebtedness that will fall due, more than one year from the date of determination. In calculating the maturity of any Indebtedness, there shall be included the term of any unexercised right of the debtor to renew or extend such Indebtedness existing at the time of determination.

"Indebtedness" means all items of indebtedness for borrowed money (other than unamortized debt discount and premium) which would be included in determining total liabilities as shown on the liability side of a balance sheet prepared in accordance with GAAP as of the date as of which Indebtedness is to be determined, and shall include indebtedness for borrowed money (other than

unamortized debt discount and premium) with respect to which we or any Subsidiary of ours customarily pays interest secured by any mortgage, pledge or other lien or encumbrance of or upon, or any security interest in, any properties or assets owned by us or any Subsidiary of ours, whether or not the Indebtedness secured thereby shall have been assumed, and shall also include guarantees of Indebtedness of others; provided that in determining our Indebtedness or that of any of our Subsidiaries there shall be included the aggregate liquidation preference of all outstanding securities of any Subsidiary senior to its Common Stock that are not owned by us or a Subsidiary of ours; and provided, further, that Indebtedness of any Person shall not include the following:

- o any indebtedness evidence of which is held in treasury (but the subsequent resale of such indebtedness shall be deemed to constitute the creation thereof); or
- o any particular indebtedness if, upon or prior to the maturity thereof, there shall have been deposited with a depository (or set aside and segregated, if permitted by the instrument creating such indebtedness), in trust, money (or evidence of such indebtedness as permitted by the instrument creating such indebtedness) in the necessary amount to pay, redeem or satisfy such indebtedness; or
- o any indebtedness incurred to finance oil, natural gas, hydrocarbon, inert gas or other mineral exploration or development to the extent that the issuer thereof has outstanding advances to finance oil, natural gas, hydrocarbon, inert gas or other mineral exploration or development, but only to the extent such advances are not in default; or
- o any indebtedness incurred without recourse to us or any of our Subsidiaries; or

23

- o any indebtedness incurred to finance advance payments for gas (pursuant to take-or-pay provisions or otherwise), but only to the extent that such advance payments are pursuant to gas purchase contracts entered into in the normal course of business; or
- o any amount (whether or not included in determining total liabilities as shown on the liability side of a balance sheet prepared in accordance with GAAP) representing capitalized rent under any lease; or
- o any indirect guarantees or other contingent obligations in respect of indebtedness of other Persons, including agreements, contingent or otherwise, with such other Persons or with third parties with respect to, or to permit or assure the payment of, obligations of such other Persons, including, without limitation, agreements to purchase or repurchase obligations of such other Persons, to advance or supply funds to, or to invest in, such other Persons, or to pay for property, products or services of such other Persons (whether or not conveyed, delivered or rendered); demand charge contracts, through-put, take-or-pay, keep-well, make-whole or maintenance of working capital or similar agreements; or guarantees with respect to rental or similar periodic payments to be made by such other Persons.

"Sale and Leaseback Transaction" means an arrangement in which we or one of our Subsidiaries sells any of our or their property which was placed into service more than 120 days prior to such sale to a Person and leases it back from that Person within 180 days of the sale.

CONSOLIDATION, MERGER AND SALE OF ASSETS

Nothing contained in the indenture or in any of the senior notes will prevent any consolidation or merger of us with or into any other Person (whether or not affiliated with us), or successive consolidations or mergers in which we or our successor shall be a party, or will prevent any conveyance, transfer or lease of our property as an entirety or substantially as an entirety, to any other Person (whether or not affiliated with us); provided, however, that:

- o in case of such a transaction, the entity formed by such consolidation or into which we are merged, or the Person which acquires or leases our properties and assets substantially as an entirety shall be a

corporation, partnership, limited liability company, association, company or business trust organized under the laws of the United States of America, any state thereof or the District of Columbia and shall expressly assume the due and punctual payment of the principal of, premium, if any, and interest on all the senior notes and the performance of every other covenant of the indenture;

- o immediately after giving effect to such transaction, no event which, after notice or lapse of time, would become an Event of Default, shall have occurred and be continuing; and
- o each of us and the successor Person shall have delivered to the trustee an Officers' Certificate and an Opinion of Counsel, each stating that such transaction complies with the requirements in the previous two bullets, and that all conditions precedent relating to such transaction have been complied with.

EVENTS OF DEFAULT

The following are Events of Default under the indenture with respect to any senior notes:

- o failure to pay the principal of, or premium, if any, on any senior note when due;
- o failure to pay any interest installment on any senior note when due, in each case, continued for 30 days;
- o failure to perform any of our other covenants, continued for 90 days after written notice as provided in the indenture;
- o the occurrence of an event of default in other indebtedness of ours (including securities other than the senior notes) which results in indebtedness in excess of \$10,000,000 principal amount being due and payable prior to maturity, and such acceleration is not rescinded or annulled or such indebtedness is not discharged after written notice as provided in the indenture; and

24

- o certain events of bankruptcy, insolvency or reorganization.

If an Event of Default with respect to senior notes at the time outstanding shall occur and be continuing, then and in every such case, unless the principal of all the senior notes has already become due and payable, the trustee or the holders of at least 33 1/3% in principal amount of the outstanding senior notes may declare, by a notice in writing to us, and to the trustee if given by holders, the entire principal amount of all the outstanding senior notes to be due and payable immediately. At any time after such declaration of acceleration has been made, but before a judgment or decree for payment of the money due has been obtained by the trustee, the holders of a majority in principal amount of the outstanding senior notes, by written notice to us and the trustee, may, in certain circumstances, rescind and annul such declaration.

No holder of any senior notes will have any right to institute any proceeding with respect to the indenture or for any remedy under the indenture, unless such holder previously shall have given to the trustee written notice of a continuing Event of Default and unless also the holders of at least 25% of the aggregate principal amount of outstanding senior notes shall have made written request to and have offered reasonable indemnity upon, the trustee, to institute such proceeding, and the trustee shall not have received direction inconsistent with such request in writing by the holders of a majority in principal amount of outstanding senior notes and shall have neglected or refused to institute such proceeding within 60 days. However, the rights of any holder of any senior notes to enforce the payment of principal, premium, if any, and interest due on such senior notes on or after the dates expressed in such senior notes may not be impaired or affected.

We must furnish the trustee within 120 days after the end of each fiscal year a statement signed by one of certain of our officers stating that a review of our company's activities during that year and our performance under the indenture and the terms of the senior notes has been made, and, to the best of the knowledge of the signatory, based on such review, we have complied with all

conditions and covenants of the indenture, or, if we are in default, specifying the default.

WAIVER, MODIFICATION AND AMENDMENT

The holders of a majority in principal amount of the outstanding senior notes may waive certain past defaults, except a default in the payment of the principal of, premium, if any, or interest on any senior note or in respect of any covenant or provision in the indenture which under the terms of the indenture cannot be modified without the consent of all holders of outstanding senior notes. The holders of a majority in aggregate principal amount of outstanding senior notes may waive our compliance with certain restrictive provisions.

We and the trustee may modify and amend the indenture with the consent of the holders of a majority in aggregate principal amount of the outstanding senior notes provided that no such modification or amendment may, without the consent of the holder of each senior note affected thereby:

- o change the Stated Maturity of the principal of, or any installment of principal of, or interest on, any senior note;
- o reduce the principal of, premium, if any, or interest on, or any premium payable upon the redemption of, any senior note;
- o change the Place of Payment or change the currency of payment of principal, premium, if any, or interest on, any senior note;
- o impair the right to institute suit for the enforcement of any payment on or with respect to any senior note;
- o reduce the percentages of holders of outstanding senior notes specified in this or the preceding paragraph; or
- o effect certain other modifications or amendments described in the indenture.

25

In the case of provisions of the indenture affecting other series of securities as well as the senior notes, the holders of the senior notes will be treated as a separate class of securities for purposes of determining whether consent or waiver of a majority of holders has been obtained.

DEFEASANCE AND COVENANT DEFEASANCE

The indenture provides that we may elect either:

- o to defease and be discharged from any and all obligations with respect to the senior notes ("defeasance"), or
- o to be released from our obligations with respect to such senior notes described above under "Limitations on Liens" and "Consolidation, Merger and Sale of Assets" ("covenant defeasance"), upon the irrevocable deposit with the trustee, in trust for such purpose, of money and/or U.S. Government Obligations (as defined in the indenture) which through the payment of principal and interest in accordance with their terms will provide money, in an amount sufficient to pay the principal of, premium, if any, and interest on such senior notes on the scheduled due date therefor. Defeasance and covenant defeasance are each conditioned upon our delivery to the trustee of an Opinion of Counsel to the effect that the holders of the senior notes will have no federal income tax consequences as a result of such deposit.

CONCERNING THE TRUSTEE

Bank One Trust Company, NA is the trustee under the indenture and is an affiliate of Banc One Capital Markets, Inc. The indenture contains certain limitations on the rights of the trustee, should it become a creditor of ours, to obtain payment of claims in certain cases or to realize on certain property received in respect of any such claim as security or otherwise. The trustee will be permitted to engage in other transactions with us; however, if it acquires a conflicting interest it must eliminate such conflict or resign or otherwise

comply with the Trust Indenture Act of 1939, as amended. The indenture also provides that we will indemnify the trustee against loss, liability or expense incurred without negligence or bad faith on the part of the trustee arising out of or in connection with the trust under the indenture. The trustee is an affiliate of Bank One, NA, which (1) participates in our \$295 million Credit Agreement, (2) is a creditor of our parent company, Questar, and (3) performs routine banking functions for us.

UNDERWRITING

We intend to offer the senior notes through the underwriters named below. Subject to the terms and conditions contained in a purchase agreement between us and the underwriters, we have agreed to sell to the underwriters and the underwriters severally have agreed to purchase from us, the principal amount of the senior notes listed opposite their names below.

UNDERWRITER	PRINCIPAL AMOUNT
-----	-----
Merrill Lynch, Pierce, Fenner & Smith Incorporated.....	\$
Banc One Capital Markets, Inc.	
Banc of America Securities LLC.....	
TD Securities (USA) Inc.	
 Total.....	 ----- \$150,000,000 =====

The underwriters have agreed to purchase all of the senior notes sold pursuant to the purchase agreement if any of these senior notes are purchased. If an underwriter defaults, the purchase agreement provides that the purchase commitments of the nondefaulting underwriters may be increased or the purchase agreement may be terminated.

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act, or to contribute to payments the underwriters may be required to make in respect of those liabilities.

The underwriters are offering the senior notes, subject to prior sale, when, as and if issued to and accepted by them, subject to approval of legal matters by their counsel, including the validity of the senior notes, and other conditions contained in the purchase agreement, such as the receipt by the underwriters of officer's certificates and legal opinions. The underwriters reserve the right to withdraw, cancel or modify offers to the public and to reject orders in whole or in part.

COMMISSIONS AND DISCOUNTS

The underwriters have advised us that they propose initially to offer the senior notes to the public at the public offering price on the cover page of this prospectus, and to dealers at that price less a concession not in excess of % of the principal amount of the senior notes. The underwriters may allow, and the dealers may reallow, a discount not in excess of % of the principal amount of the senior notes to other dealers. After the initial public offering, the public offering price, concession and discount may be changed.

The expenses of the offering, not including the underwriting discount, are estimated to be \$565,000 and are payable by us.

NO SALES OF SIMILAR SECURITIES

We have agreed, with exceptions, not to sell or transfer any debt securities for 30 days after the date of this prospectus without first obtaining the written consent of Merrill Lynch. Specifically we have agreed not to directly or indirectly:

- o offer, pledge, sell, or contract to sell any debt securities,

- o sell any option or contract to purchase any debt securities,
- o purchase any option or contract to sell any debt securities,
- o grant any option, right or warrant for the sale of any debt securities,
- o file a registration statement for any debt securities, or
- o lend or otherwise dispose of or transfer any debt securities.

27

This lockup provision applies to debt securities and to any securities convertible into or exercisable or exchangeable for debt securities.

NEW ISSUE OF SENIOR NOTES

The senior notes are a new issue of securities with no established trading market. We do not intend to apply for listing of the senior notes on any national securities exchange or for quotation of the senior notes on any automated dealer quotation system. We have been advised by the underwriters that they presently intend to make a market in the senior notes after completion of the offering. However, they are under no obligation to do so and may discontinue any market-making activities at any time without any notice. We cannot assure the liquidity of the trading market for the senior notes or that an active public market for the senior notes will develop. If an active public trading market for the senior notes does not develop, the market price and liquidity of the senior notes may be adversely affected.

NASD REGULATIONS

Affiliates of Banc One Capital Markets, Inc., Banc of America Securities LLC and TD Securities (USA) Inc. are lenders on our commercial bank term debt and, upon application of the net proceeds of this offering, will receive their proportionate share of the amount of this debt to be repaid. See "USE OF PROCEEDS." Because more than ten percent of the net proceeds of the offering may be paid to members or affiliates of members of the National Association of Securities Dealers, Inc. participating in the offering, the offering will be conducted in accordance with NASD Conduct Rule 2710(c)(8).

OTHER RELATIONSHIPS

Merrill Lynch has been a named agent for the sale of medium-term notes of Questar Gas and Questar Pipeline, and is a commercial paper issue agent for Questar.

LEGAL MATTERS

Certain legal matters will be passed upon for us by Connie C. Holbrook, Vice President, General Counsel and Corporate Secretary of Questar, 180 East 100 South Street, Salt Lake City, Utah 84111, and by Skadden, Arps, Slate, Meagher & Flom LLP, Four Times Square, New York, New York 10036. Brown & Wood LLP, 555 California Street, San Francisco, California 94104, will act as counsel for the underwriters. In rendering their opinion, Brown & Wood LLP may rely upon the opinion of Ms. Holbrook as to all matters governed by Utah law. As of December 31, 1999, Ms. Holbrook beneficially owned 208,795 shares of common stock of Questar (including currently exercisable options to purchase 114,196 shares of common stock of Questar).

EXPERTS

Ernst & Young LLP, independent auditors, have audited our consolidated financial statements at December 31, 1999 and 1998 and for each of the three years in the period ended December 31, 1999 included in our registration statement on Form 10 dated April 12, 2000, as set forth in their report, which is incorporated by reference in this prospectus and elsewhere in the registration statement. Our consolidated financial statements are incorporated by reference in reliance on Ernst & Young LLP's report, given on their authority as experts in accounting and auditing.

28

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We will file annual, quarterly and special reports and other information with the Securities and Exchange Commission. You may read and copy any document we file at the public reference facilities of the SEC located at 450 Fifth Street N.W., Washington, D.C. 20549. You may obtain information on the operation of the SEC's public reference facilities by calling the SEC at 1-800-SEC-0330. You can also access copies of this material electronically on the SEC's home page on the World Wide Web at <http://www.sec.gov>.

This prospectus is part of a registration statement (Registration No. 333-) we filed with the SEC. The SEC permits us to "incorporate by reference" the information we file with them, which means that we can disclose important information to you by referring you to those documents filed with the SEC. The information incorporated by reference is considered to be part of this prospectus, and information that we file with the SEC after the date of this prospectus will automatically update and supersede this information. We incorporate by reference our registration statement on Form 10 dated April 12, 2000, which we filed with the SEC. We also incorporate by reference any future filings made with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, until we sell all of the senior notes being registered or until this offering is otherwise terminated.

If you request a copy of any or all of the documents incorporated by reference, then we will send to you the copies you requested at no charge. However, we will not send exhibits to the documents unless exhibits are specifically incorporated by reference in those documents. You should direct requests for copies to: Corporate Secretary, Questar Market Resources, Inc., 180 East 100 South Street, Salt Lake City, Utah 84111; telephone number (801) 324-5202.

29

Through and including , 2000, all dealers effecting transactions in these securities, whether or not participating in this offering, may be required to deliver a prospectus. This is in addition to the dealers' obligation to deliver a prospectus when acting as underwriters and with respect to their unsold allotments or subscriptions.

\$150,000,000

QUESTAR MARKET RESOURCES, INC.

% SENIOR NOTES DUE 20 []

PROSPECTUS

MERRILL LYNCH & CO.

BANC OF AMERICA SECURITIES LLC

BANC ONE CAPITAL MARKETS, INC.

TD SECURITIES

, 2000

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

ITEM 14. OTHER EXPENSES OF ISSUANCE AND DISTRIBUTION.

The following table sets forth the fees and expenses payable by the Company in connection with the offering of the senior notes registered hereunder. All such fees and expenses other than the Securities and Exchange Commission Registration Fee are estimated.

Securities and Exchange Commission Registration Fee.....	\$ 39,600
Printing Expenses.....	20,000
Legal Fees and Expenses.....	265,000
Accounting Fees and Expenses.....	160,000
Blue Sky Fees and Expenses.....	5,000
Trustee's Fees and Expenses.....	6,000
Rating Agency Fees.....	65,000
Miscellaneous.....	4,400

Total.....	\$565,000
	=====

ITEM 15. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

Reference is made to Section 16-10a-901 through 16-10a-909 of the Utah Revised Business Corporation Act, which provides for indemnification of directors and officers in certain circumstances.

The Company's Bylaws provide that the Company may voluntarily indemnify any individual made a party to a proceeding because he is or was a director, officer, employee or agent of the Company against liability incurred in the proceeding, but only if the Company has authorized the payment in accordance with the applicable statutory provisions of the Utah Revised Business Corporation Act (Sections 16-10a-902, 16-10a-904 and 16-10a-907) and a determination has been made in accordance with the procedures set forth in such provision that such individual conducted himself in good faith, that he reasonably believed his conduct, in his official capacity with the Company, was in its best interests and that his conduct, in all other cases, was at least not opposed to the Company's best interests, and that he had no reasonable cause to believe his conduct was unlawful in the case of any criminal proceeding. The foregoing indemnification in connection with a proceeding by or in the right of the Company is limited to reasonable expenses incurred in connection with the proceeding, which expenses may be advanced by the Company. The Company's Bylaws provide that the Company may not voluntarily indemnify a director, officer, employee or agent of the Company in connection with a proceeding by or in the right of the Company in which such individual was adjudged liable to the Company or in connection with any other proceeding charging improper personal benefit to him, whether or not involving action in his official capacity, in which he was adjudged liable on the basis that personal benefit was improperly received by him.

The Company's Bylaws provide further that the Company shall indemnify a director, officer, employee or agent of the Company who was wholly successful, on the merits or otherwise, in defense of any proceeding to which he was a party because he is or was such a director, officer, employee or agent, against reasonable expenses incurred by him in connection with the proceeding.

The Company's Bylaws further provide that no director of the Company shall be personally liable to the Company or its stockholders for monetary damages for any action taken or any failure to take any action, as a director, except liability for (a) the amount of a financial benefit received by a director to which he is not entitled; (b) an intentional infliction of harm on the Company or the shareholders; (c) for any action that would result in liability of the director under the applicable statutory provision concerning unlawful distributions; or (d) an intentional violation of criminal law.

Questar Corporation, the Company's parent, maintains an insurance policy on behalf of the officers and directors of the Company pursuant to which (subject to the limits and limitations of such policy) the officers and directors are insured against certain expenses in connection with the defense of actions or proceedings, and certain liabilities which might be imposed as a result of such actions or proceedings, to which any of them is made a party by reason of being or having been a director or officer.

Reference is made to Sections 6 and 7 of the Purchase Agreement, the form of which is filed as Exhibit 1.01 hereto, for the description of the indemnification and contribution arrangements for this offering.

ITEM 16. EXHIBITS.

(a) Exhibits:

EXHIBIT NUMBER	DESCRIPTION
1.01	-- Form of Purchase Agreement.
4.01	-- Form of Indenture, dated as of _____, 2000, between the Company and Bank One Trust Company, NA, as Trustee, relating to the Company's Debt Securities.
4.02	-- Form of Senior Note.
5.01	-- Opinion of Connie C. Holbrook, Esq.
5.02	-- Opinion of Skadden, Arps, Slate, Meagher & Flom LLP.
12.01	-- Statement of Computation of Ratio of Earnings to Fixed Charges.
23.01	-- Consent of Ernst & Young LLP.
23.02	-- Consent of Connie C. Holbrook, Esq. (included in Exhibit 5.01).
23.03	-- Consent of Skadden, Arps, Slate, Meagher & Flom LLP (included in Exhibit 5.02).
24.01	-- Form of Power of Attorney (included on signature page to the Registration Statement).
25.01	-- Statement of Eligibility of Trustee on Form T-1.

ITEM 17. UNDERTAKINGS.

- A. The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- B. Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the provisions of Utah law and the registrant's bylaws, a summary of which is set forth in Item 15 hereof, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.
- C. The undersigned registrant hereby undertakes that:
1. For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the Company pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.
 2. For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Salt Lake, State of Utah, on the 12th day of April, 2000.

QUESTAR MARKET RESOURCES, INC.

By: /s/ G.L. Nordloh

 G.L. Nordloh
 President and Chief
 Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints each of G. L. Nordloh and S.E. Parks his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement (or any other registration statement for the same offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

PURSUANT TO THE REQUIREMENTS OF THE SECURITIES ACT OF 1933, THIS REGISTRATION STATEMENT HAS BEEN SIGNED BY THE FOLLOWING PERSONS IN THE CAPACITIES AND ON THE DATES INDICATED:

SIGNATURE	TITLE	DATE
----- /s/ R.D. CASH ----- R.D. Cash	Chairman of the Board and Director	April 12, 2000
----- /s/ G.L. NORDLOH ----- G.L. Nordloh	President and Chief Executive Officer; Director (Principal Executive Officer)	April 12, 2000
----- /s/ S.E. PARKS ----- S.E. Parks	Vice President, Treasurer and Chief Financial Officer (Principal Financial Officer)	April 12, 2000
----- /s/ B. KURTIS WATTS ----- B. Kurtis Watts	Manager, Accounting (Principal Accounting Officer)	April 12, 2000
----- /s/ TERESA BECK ----- Teresa Beck	Director	April 12, 2000
----- /s/ PATRICK J. EARLY ----- Patrick J. Early	Director	April 12, 2000
----- /s/ CLYDE M. HEINER ----- Clyde M. Heiner	Director	April 12, 2000
----- /s/ WILLIAM N. JONES ----- William N. Jones	Director	April 12, 2000

EXHIBIT INDEX

EXHIBIT NUMBER	DESCRIPTION
1.01	-- Form of Purchase Agreement.
4.01	-- Form of Indenture, dated as of _____, 2000, between the Company and Bank One Trust Company, NA, as Trustee, relating to the Company's Debt Securities.
4.02	-- Form of Senior Note.
5.01	-- Opinion of Connie C. Holbrook, Esq.
5.02	-- Opinion of Skadden, Arps, Slate, Meagher & Flom LLP.
12.01	-- Statement of Computation of Ratio of Earnings to Fixed Charges.
23.01	-- Consent of Ernst & Young LLP.
23.02	-- Consent of Connie C. Holbrook, Esq. (included in Exhibit 5.01).
23.03	-- Consent of Skadden, Arps, Slate, Meagher & Flom LLP (included in Exhibit 5.02).
24.01	-- Form of Power of Attorney (included on signature page to the Registration Statement).
25.01	-- Statement of Eligibility of Trustee on Form T-1.

QUESTAR MARKET RESOURCES, INC.

(a Utah corporation)

Senior Notes due 20__

PURCHASE AGREEMENT

Dated: _____, 2000

=====

Table of Contents

	Page
SECTION 1. Representations and Warranties.....	3
SECTION 2. Sale and Delivery to Underwriters; Closing.....	7
SECTION 3. Covenants of the Company.....	8
SECTION 4. Payment of Expenses.....	10
SECTION 5. Conditions of Underwriters' Obligations.....	11
SECTION 6. Indemnification.....	16
SECTION 7. Contribution.....	18
SECTION 8. Representations, Warranties and Agreements to Survive Delivery.....	20
SECTION 9. Termination of Agreement.....	20
SECTION 10. Default by One or More of the Underwriters.....	20
SECTION 11. Notices.....	21
SECTION 12. Parties.....	21
SECTION 13. Governing Law and Time.....	21
SECTION 14. Effect of Headings.....	21
SCHEDULES	
Schedule A - List of Underwriters.....	Sch. A-1
Schedule B - Pricing Information.....	Sch. B-1
Schedule C - List of Subsidiaries.....	Sch. C-1

Draft of March 30, 2000

QUESTAR MARKET RESOURCES, INC.

(a Utah corporation)

\$150,000,000

Senior Notes due 20__

PURCHASE AGREEMENT

_____, 2000

MERRILL LYNCH & CO.
Merrill Lynch, Pierce, Fenner & Smith
Incorporated
Banc of America Securities LLC
Banc One Capital Markets, Inc.
TD Securities (USA) Inc.
as Representatives of the several Underwriters
c/o Merrill Lynch & Co.
Merrill Lynch, Pierce, Fenner & Smith
Incorporated
North Tower
World Financial Center
New York, New York 10281-1209

Ladies and Gentlemen:

Questar Market Resources, Inc., a Utah corporation (the "Company"), confirms its agreement with Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch") and each of the other Underwriters named in Schedule A hereto (collectively, the "Underwriters", which term shall also include any underwriter substituted as hereinafter provided in Section 10 hereof), for whom Merrill Lynch and Banc of America Securities LLC, Banc One Capital Markets, Inc. and TD Securities (USA) Inc. are acting as representatives (in such capacity, the "Representatives"), with respect to the issue and sale by the Company and the purchase by the Underwriters, acting severally and not jointly, of the respective principal amounts set forth in Schedule A of \$150,000,000 aggregate principal amount of the Company's Senior Notes due 20__ (the "Securities"). The Securities are to be issued pursuant to an indenture dated as of _____, 2000 (the "Indenture") between the Company and Bank One Trust Company, NA, as trustee (the "Trustee"). The term "Indenture," as used herein, includes the Officer's Certificate (as defined in the Indenture) establishing the form and terms of the Securities pursuant to Sections 201 and 301 of the Indenture.

1

The Company understands that the Underwriters propose to make a public offering of the Securities as soon as the Representatives deem advisable after this Agreement has been executed and delivered and the Indenture has been qualified under the Trust Indenture Act of 1939, as amended (the "1939 Act").

The Company has filed with the Securities and Exchange Commission (the "Commission") a registration statement on Form S-3 (No. 333-_____) covering the registration of the Securities under the Securities Act of 1933, as amended (the "1933 Act"), including the related preliminary prospectus or prospectuses. Promptly after execution and delivery of this Agreement, the Company will either (i) prepare and file a prospectus in accordance with the provisions of Rule 430A ("Rule 430A") of the rules and regulations of the Commission under the 1933 Act (the "1933 Act Regulations") and paragraph (b) of Rule 424 ("Rule 424(b)") of the 1933 Act Regulations or (ii) if the Company has elected to rely upon Rule 434 ("Rule 434") of the 1933 Act Regulations, prepare and file a term sheet (a "Term Sheet") in accordance with the provisions of Rule 434 and Rule 424(b). The information included in such prospectus or in such Term Sheet, as the case may be, that was omitted from such registration statement at the time it became effective but that is deemed to be part of such registration statement at the time it became effective (a) pursuant to paragraph (b) of Rule 430A is referred to as "Rule 430A Information" or (b) pursuant to paragraph (d) of Rule 434 is referred to as "Rule 434 Information." Each prospectus used before such registration statement became effective, and any prospectus that omitted, as applicable, the Rule 430A Information or the Rule 434 Information, that was used after such effectiveness and prior to the execution and delivery of this

Agreement, is herein called a "preliminary prospectus." Such registration statement, including the exhibits thereto, schedules thereto, if any, and the documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the 1933 Act, at the time it became effective and including the Rule 430A Information and the Rule 434 Information, as applicable, is herein called the "Registration Statement." Any registration statement filed pursuant to Rule 462(b) of the 1933 Act Regulations is herein referred to as the "Rule 462(b) Registration Statement," and after such filing the term "Registration Statement" shall include the Rule 462(b) Registration Statement. The final prospectus, including the documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the 1933 Act, in the form first furnished to the Underwriters for use in connection with the offering of the Securities is herein called the "Prospectus." If Rule 434 is relied on, the term "Prospectus" shall refer to the preliminary prospectus dated _____, 2000 together with the Term Sheet and all references in this Agreement to the date of the Prospectus shall mean the date of the Term Sheet. For purposes of this Agreement, all references to the Registration Statement, any preliminary prospectus, the Prospectus or any Term Sheet or any amendment or supplement to any of the foregoing shall be deemed to include the copy filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval system ("EDGAR").

All references in this Agreement to financial statements and schedules and other information which is "contained," "included" or "stated" in the Registration Statement, any preliminary prospectus or the Prospectus (or other references of like import) shall be deemed to mean and include all such financial statements and schedules and other information which is incorporated by reference in the Registration Statement, any preliminary prospectus or the Prospectus, as the case may be; and all references in this Agreement to amendments or supplements to the Registration Statement, any preliminary prospectus or the Prospectus shall be

2

deemed to mean and include the filing of any document under the Securities Exchange Act of 1934 (the "1934 Act") which is incorporated by reference in the Registration Statement, such preliminary prospectus or the Prospectus, as the case may be.

SECTION 1. Representations and Warranties.

(a) Representations and Warranties by the Company. The Company represents and warrants to each Underwriter as of the date hereof, as of the Closing Time referred to in Section 2(b) hereof, and agrees with each Underwriter, as follows:

(i) Compliance with Registration Requirements. The Company meets the requirements for use of Form S-3 under the 1933 Act. Each of the Registration Statement and any Rule 462(b) Registration Statement has become effective under the 1933 Act and no stop order suspending the effectiveness of the Registration Statement or any Rule 462(b) Registration Statement has been issued under the 1933 Act and no proceedings for that purpose have been instituted or are pending or, to the knowledge of the Company, are contemplated by the Commission, and any request on the part of the Commission for additional information has been complied with.

At the respective times the Registration Statement, any Rule 462(b) Registration Statement and any post-effective amendments thereto became effective and at the Closing Time, the Registration Statement, the Rule 462(b) Registration Statement and any amendments and supplements thereto complied and will comply in all material respects with the requirements of the 1933 Act and the 1933 Act Regulations and the 1939 Act and the rules and regulations of the Commission under the 1939 Act (the "1939 Act Regulations"), and did not and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. Neither the Prospectus nor any amendments or supplements thereto, at the time the Prospectus or any such amendment or supplement was issued and at the Closing Time, included or will include an untrue statement of a material fact or omitted or will omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. If Rule 434 is used, the Company will comply with the

requirements of Rule 434. The representations and warranties in this subsection shall not apply to statements in or omissions from the Registration Statement or any post-effective amendment thereto or Prospectus or any amendment or supplement thereto made in reliance upon and in conformity with information furnished to the Company in writing by any Underwriter through Merrill Lynch expressly for use in the Registration Statement or Prospectus.

Each preliminary prospectus and the prospectus filed as part of the Registration Statement as originally filed or as part of any amendment thereto, or filed pursuant to Rule 424 under the 1933 Act, complied when so filed in all material respects with the 1933 Act Regulations and each preliminary prospectus and the Prospectus delivered to the Underwriters for use in connection with this offering was identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

3

(ii) Incorporated Documents. The documents incorporated or deemed to be incorporated by reference in the Registration Statement and the Prospectus, when they became effective or at the time they were or hereafter are filed with the Commission, complied and will comply in all material respects with the requirements of the 1934 Act and the rules and regulations of the Commission thereunder (the "1934 Act Regulations"), as applicable, and, when read together with the other information in the Prospectus, at the time the Registration Statement became effective, at the time the Prospectus was issued and at the Closing Time, did not and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading.

(iii) Accountants. The accountants who certified the financial statements and supporting schedules included or incorporated by reference in the Prospectus are, to the best knowledge of the Company, independent public accountants as required by the 1933 Act and the 1933 Act Regulations.

(iv) Financial Statements. The financial statements included in the Registration Statement and the Prospectus present fairly the financial position of the Company and its consolidated subsidiaries as at the dates indicated and the results of their operations for the periods specified; except as otherwise stated in the Registration Statement, financial statements have been prepared in conformity with generally accepted accounting principles applied on a consistent basis; and the supporting schedules included in the Registration Statement present fairly the information required to be stated therein. The selected financial data and the summary financial information included in the Prospectus present fairly the information shown therein and have been compiled on a basis consistent with that of the audited financial statements included in the Registration Statement.

(v) Material Changes or Material Transactions. Since the respective dates as of which information is given in the Registration Statement and the Prospectus, except as otherwise stated therein, (a) there has been no material adverse change in the condition, financial or otherwise, or in the earnings, business affairs or business prospects of the Company and its subsidiaries considered as one enterprise, whether or not arising in the ordinary course of business, (b) there have been no transactions entered into by the Company or any of its subsidiaries, other than those in the ordinary course of business, which are material with respect to the Company and its subsidiaries considered as one enterprise, and (c) except for the regular dividends, there has been no dividend or distribution of any kind declared, paid or made by the Company on any class of its capital stock.

(vi) Due Incorporation and Qualification. The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the State of Utah with corporate power and authority to own, lease and operate its properties and to conduct its

business as described in the Prospectus; and the Company is duly qualified as a foreign corporation to transact business and is in good standing in each jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except where the failure to

4

so qualify or be in good standing would not have a material adverse effect on the condition, financial or otherwise, or the earnings, business affairs or business prospects of the Company and its subsidiaries considered as one enterprise (a "Material Adverse Effect").

(vii) Subsidiaries. Each subsidiary of the Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the jurisdiction of its incorporation, has corporate power and authority to own, lease and operate its properties and to conduct its business as described in the Prospectus and is duly qualified as a foreign corporation to transact business and is in good standing in each jurisdiction in which such qualification is required, whether by reason of the ownership of property or the conduct of business, except where the failure to so qualify or be in good standing would not have a Material Adverse Effect; and all of the issued and outstanding capital stock of each subsidiary has been duly authorized and validly issued, is fully paid and nonassessable and is owned by the Company, directly or through subsidiaries, free and clear of any security interest, mortgage, pledge, lien, encumbrance, claim or equity.

(viii) Capital Stock. The shares of issued and outstanding common stock of the Company have been duly authorized and validly issued and are fully paid and nonassessable.

(ix) Authorization of Agreement. This Agreement has been duly authorized, executed and delivered by the Company.

(x) Authorization and Validity of the Indenture and the Securities. The Securities have been duly authorized and, at the Closing Time, will have been duly executed by the Company and, when authenticated, issued and delivered in the manner provided for in the Indenture and delivered against payment of the purchase price therefor as provided in this Agreement, will constitute valid and legally binding obligations of the Company enforceable in accordance with their terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights and general equitable principles, and will be entitled to the benefits provided by the Indenture, which will be substantially in the form filed as an exhibit to the Registration Statement; the Indenture has been duly authorized by the Company and the Indenture will be duly qualified under the 1939 Act and, when duly executed and delivered by the Company and the Trustee, will constitute a valid and legally binding instrument of the Company, enforceable in accordance with its terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights and general equitable principles; and the Securities and the Indenture conform to the descriptions thereof in the Prospectus.

(xi) No Defaults; Regulatory Approvals. Neither the Company nor any of its subsidiaries is in violation of its charter or in default in the performance or observance of any obligation, agreement, covenant or condition contained in any contract, indenture, mortgage, loan agreement, note, lease or other instrument to which the Company or any of its subsidiaries is a party or by which it or any of them may be bound, or to which any

5

of the property or assets of the Company or any of its subsidiaries is

subject, which violations or defaults in the aggregate would have a Material Adverse Effect; and the execution and delivery of this Agreement and the consummation of the transactions contemplated herein have been duly authorized by all necessary corporate action and will not conflict with or constitute a breach of, or a default under, or result in the creation or imposition of any lien, charge or encumbrance upon any property or assets of the Company or any of its subsidiaries, except as expressly contemplated in the Indenture or except as would not have a Material Adverse Effect, pursuant to any contract, indenture, mortgage, loan agreement, note, lease or other instrument to which the Company or any of its subsidiaries is a party or by which it or any of them may be bound, or to which any of the property or assets of the Company or any of its subsidiaries is subject, nor will such action result in any violation of the provisions of the charter or bylaws of the Company or, except as would not have a Material Adverse Effect, any applicable law, administrative regulation or administrative or court decree.

(xii) Legal Proceedings; Contracts. There is no action, suit or proceeding before or by any court or governmental agency or body, domestic or foreign, now pending, or, to the knowledge of the Company, threatened against, the Company or any of its subsidiaries, which is required to be disclosed in the Registration Statement (other than as disclosed therein) or which could reasonably be expected to result in any material adverse change in the condition, financial or otherwise, or in the earnings, business affairs or business prospects of the Company and its subsidiaries considered as one enterprise, or which would materially and adversely affect the properties or assets thereof or which would materially and adversely affect the consummation of the transactions contemplated by this Agreement or the performance by the Company of its obligation hereunder; all pending legal or governmental proceedings to which the Company of any subsidiary is a party or which any of their property is subject which are not described in the Registration Statement, including ordinary routine litigation incidental to the business, are, considered in the aggregate, not material and would not cause a Material Adverse Effect; and there are no contracts or documents of the Company or any of its subsidiaries which are required to be filed as exhibits to the Registration Statement by the 1933 Act or by the 1933 Act Regulations which have not been so filed.

(xiii) No Governmental Authorization. No authorization, approval or consent of any court or governmental authority or agency is necessary in connection with the sale of the Securities hereunder, except such as may be required under the 1933 Act, the 1933 Act Regulations and state securities laws and except as have been obtained.

(xiv) Possession of Permits. The Company and its subsidiaries possess such valid franchises, certificates of convenience and necessity, easements, rights-of-way, operating rights, licenses, permits, consents, authorizations and orders of governmental political subdivisions or regulatory authorities as are necessary to conduct the business now operated by them, except those the failure of which to possess would not have a Material Adverse Effect, and neither the Company nor any of its subsidiaries has received any notice of proceedings relating to the revocation or modification thereof which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding would have a Material Adverse Effect.

6

(xv) Investment Company Act. Neither the Company nor any of its subsidiaries is regulated or required to be registered as an "investment company" under the Investment Company Act of 1940, as amended (the "1940 Act").

(xvi) Ratings. The Securities are rated Baa3 by Moody's Investors Service, Inc. and BBB+ by Standard & Poor's Ratings Services, or such other rating as to which the Company shall have most recently notified the Underwriters pursuant to Section 5(i) hereof.

(b) Additional Certifications. Any certificate signed by any director

or officer of the Company and delivered to the Underwriters or to counsel for the Underwriters shall be deemed a representation and warranty by the Company to the Underwriters as to the matters covered thereby.

SECTION 2. Sale and Delivery to Underwriters; Closing.

(a) Securities. On the basis of the representations and warranties herein contained and subject to the terms and conditions herein set forth, the Company agrees to sell to each Underwriter, severally and not jointly, and each Underwriter, severally and not jointly, agrees to purchase from the Company, at the price set forth in Schedule B, the aggregate principal amount of Securities set forth in Schedule A opposite the name of such Underwriter, plus any additional principal amount of Securities which such Underwriter may become obligated to purchase pursuant to the provisions of Section 10 hereof.

(b) Payment. Payment of the purchase price for, and delivery of certificates for, the Securities shall be made at the offices of Brown & Wood LLP, 555 California Street, San Francisco, California 94104, or at such other place as shall be agreed upon by the Representatives and the Company, at 7:00 A.M. (California time) on the third business day after the date hereof (unless postponed in accordance with the provisions of Section 10), or such other time not later than ten business days after such date as shall be agreed upon by the Representatives and the Company (such time and date of payment and delivery being herein called "Closing Time").

Payment shall be made to the Company by wire transfer of immediately available funds to a bank account designated by the Company, against delivery to the Representatives for the respective accounts of the Underwriters of certificates for the Securities to be purchased by them. It is understood that each Underwriter has authorized the Representatives, for its account, to accept delivery of, receipt for, and make payment of the purchase price for, the Securities which it has agreed to purchase. Merrill Lynch, individually and not as representative of the Underwriters, may (but shall not be obligated to) make payment of the purchase price for the Securities to be purchased by any Underwriter whose funds have not been received by the Closing Time, but such payment shall not relieve such Underwriter from its obligations hereunder.

(c) Denominations; Registration. Certificates for the Securities shall be in such denominations (\$1,000 or integral multiples thereof) and registered in such names as the Representatives may request in writing at least one full business day before the Closing Time.

7

The Securities will be made available for examination and packaging by the Representatives in The City of New York not later than 10:00 A.M. (Eastern time) on the business day prior to the Closing Time.

SECTION 3. Covenants of the Company. The Company covenants with each Underwriter as follows:

(a) Compliance with Securities Regulations and Commission Requests. The Company, subject to Section 3(b), will comply with the requirements of Rule 430A or Rule 434, as applicable, and will notify the Representatives immediately, and confirm the notice in writing, (i) when any post-effective amendment to the Registration Statement shall become effective, or any supplement to the Prospectus or any amended Prospectus shall have been filed, (ii) of the receipt of any comments from the Commission concerning the Registration Statement, (iii) of any request by the Commission for any amendment to the Registration Statement or any amendment or supplement to the Prospectus or for additional information, and (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or of any order preventing or suspending the use of any preliminary prospectus, or of the suspension of the qualification of the Securities for offering or sale in any jurisdiction, or of the initiation or threatening of any proceedings for any of such purposes. The Company will promptly effect the filings necessary pursuant to Rule 424(b) and will take such steps as it deems necessary to ascertain promptly whether the form of prospectus transmitted for filing under Rule 424(b) was received for filing by the Commission and, in the event that it was not, it will promptly file such prospectus. The Company will make every reasonable effort to prevent the issuance of any stop

order and, if any stop order is issued, to obtain the lifting thereof at the earliest possible moment.

(b) Filing of Amendments. The Company will give the Representatives notice of its intention to file or prepare any amendment to the Registration Statement (including any filing under Rule 462(b)), any Term Sheet or any amendment, supplement or revision to either the prospectus included in the Registration Statement at the time it became effective or to the Prospectus, whether pursuant to the 1933 Act, the 1934 Act or otherwise, will furnish the Representatives with copies of any such documents a reasonable amount of time prior to such proposed filing or use, as the case may be, and will not file or use any such document to which the Representatives or counsel for the Underwriters shall reasonably object. Such consent does not constitute a waiver of any of the conditions set out in Section 5.

(c) Delivery of Registration Statements. The Company has furnished or will deliver to the Representatives and counsel for the Underwriters, without charge, signed copies of the Registration Statement as originally filed and of each amendment thereto (including exhibits filed therewith or incorporated by reference therein and documents incorporated or deemed to be incorporated by reference therein) and signed copies of all consents and certificates of experts, and will also deliver to the Representatives, without charge, a conformed copy of the Registration Statement as originally filed and of each amendment thereto (without exhibits) for each of the Underwriters. The copies of the Registration Statement and each amendment thereto furnished to the Underwriters will be

8

identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

(d) Delivery of Prospectuses. The Company has delivered to each Underwriter, without charge, as many copies of each preliminary prospectus as such Underwriter reasonably requested, and the Company hereby consents to the use of such copies for purposes permitted by the 1933 Act. The Company will furnish to each Underwriter, without charge, during the period when the Prospectus is required to be delivered under the 1933 Act or the 1934 Act, such number of copies of the Prospectus (as amended or supplemented) as such Underwriter may reasonably request. The Prospectus and any amendments or supplements thereto furnished to the Underwriters will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

(e) Continued Compliance with Securities Laws. The Company will comply with the 1933 Act and the 1933 Act Regulations, the 1934 Act and the 1934 Act Regulations and the 1939 Act and the 1939 Act Regulations so as to permit the completion of the distribution of the Securities as contemplated in this Agreement and in the Prospectus. If at any time when a prospectus is required by the 1933 Act to be delivered in connection with sales of the Securities, any event shall occur or condition shall exist as a result of which it is necessary, in the reasonable opinion of counsel for the Underwriters or for the Company, to amend the Registration Statement or amend or supplement the Prospectus in order that the Prospectus will not include any untrue statements of a material fact or omit to state a material fact necessary in order to make the statements therein not misleading in the light of the circumstances existing at the time it is delivered to a purchaser, or if it shall be necessary, in the reasonable opinion of such counsel, at any such time to amend the Registration Statement or amend or supplement the Prospectus in order to comply with the requirements of the 1933 Act or the 1933 Act Regulations, the Company will promptly prepare and file with the Commission, subject to Section 3(b), such amendment or supplement as may be necessary to correct such statement or omission or to make the Registration Statement or the Prospectus comply with such requirements, and the Company will furnish to the Underwriters such number of copies of such amendment or supplement as the Underwriters may reasonably request. Such consent does not constitute a waiver of any of the conditions set out in Section 5.

(f) Blue Sky Qualifications. The Company will endeavor, in cooperation with the Underwriters, to qualify the Securities for offering and sale under the applicable securities laws of such states and other jurisdictions as the Representatives may designate and to maintain such qualifications in effect for a period of not less than one year from the later of the effective date of the Registration Statement and any Rule 462(b) Registration Statement or such shorter period as is necessary to complete the distribution of the Securities; provided, however, that the Company shall not be obligated to file any general consent to service of process or to qualify as a foreign corporation or as a dealer in securities in any jurisdiction in which it is not so qualified or to subject itself to taxation in respect of doing business in any jurisdiction in which it is not otherwise so subject. In each jurisdiction in which the Securities have been so qualified, the Company will file such statements and reports as may be required by the laws of such jurisdiction

9

to continue such qualification in effect for a period of not less than one year from the effective date of the Registration Statement and any Rule 462(b) Registration Statement. The Company will also supply the Underwriters with such information as is necessary for the determination of the legality of the Securities for investment under the laws of such jurisdictions as the Underwriters may request.

(g) Rule 158. The Company will timely file such reports pursuant to the 1934 Act as are necessary in order to make generally available to its securityholders as soon as practicable an earnings statement for the purposes of, and to provide the benefits contemplated by, the last paragraph of Section 11(a) of the 1933 Act.

(h) Use of Proceeds. The Company will use the net proceeds received by it from the sale of the Securities in the manner specified in the Prospectus under "Use of Proceeds".

(i) Restriction on Sale of Securities. During a period of 30 days from the date of the Prospectus, the Company will not, without the prior written consent of Merrill Lynch, directly or indirectly, issue, sell, offer or contract to sell, grant any option for the sale of, or otherwise transfer or dispose of, any debt securities of the Company other than such securities representing commercial bank debt or intercompany debt.

(j) Reporting Requirements. The Company, during the period when the Prospectus is required to be delivered under the 1933 Act or the 1934 Act, will file all documents required to be filed with the Commission pursuant to the 1934 Act within the time periods required by the 1934 Act and the 1934 Act Regulations.

SECTION 4. Payment of Expenses.

(a) Expenses. The Company will pay all expenses incident to the performance of its obligations under this Agreement, including (i) the preparation, printing and filing of the Registration Statement (including financial statements and exhibits) as originally filed and of each amendment thereto, (ii) the preparation, printing and delivery to the Underwriters of this Agreement, any Agreement among Underwriters, the Indenture and such other documents as may be required in connection with the offering, purchase, sale, issuance or delivery of the Securities, (iii) the preparation, issuance and delivery of the certificates, if any, for the Securities to the Underwriters, (iv) the fees and disbursements of the Company's counsel, accountants and other advisors, (v) the qualification of the Securities under securities laws in accordance with the provisions of Section 3(f) hereof, including filing fees and the reasonable fees and disbursements of counsel for the Underwriters in connection therewith and in connection with the preparation of the Blue Sky Survey and any supplement thereto, (vi) the printing and delivery to the Underwriters of copies of each preliminary prospectus and of the Prospectus and any amendments or supplements thereto, (vii) the preparation, printing and delivery to the Underwriters of copies of the Blue Sky Survey and any supplement thereto, (viii) the fees and expenses of the Trustee, including the fees and disbursements of counsel for the Trustee in connection with the Indenture and

the Securities, and (ix) any fees payable in connection with the rating of the Securities.

10

(b) Termination of Agreement. If this Agreement is terminated by the Representatives in accordance with the provisions of Section 5 or Section 9(a) (i) hereof, the Company shall reimburse the Underwriters for all of their out-of-pocket expenses, including the reasonable fees and disbursements of counsel for the Underwriters.

SECTION 5. Conditions of Underwriters' Obligations. The obligations of the several Underwriters hereunder are subject to the accuracy of the representations and warranties of the Company contained in Section 1 hereof or in certificates of any officer of the Company delivered pursuant to the provisions hereof, to the performance by the Company of its covenants and other obligations hereunder, and to the following further conditions:

(a) Effectiveness of Registration Statement. The Registration Statement, including any Rule 462(b) Registration Statement, has become effective and at Closing Time no stop order suspending the effectiveness of the Registration Statement shall have been issued under the 1933 Act or proceedings therefor initiated or threatened by the Commission, and any request on the part of the Commission for additional information shall have been complied with to the reasonable satisfaction of counsel to the Underwriters. A prospectus containing the Rule 430A Information shall have been filed with the Commission in accordance with Rule 424(b) (or a post-effective amendment providing such information shall have been filed and declared effective in accordance with the requirements of Rule 430A) or, if the Company has elected to rely upon Rule 434, a Term Sheet shall have been filed with the Commission in accordance with Rule 424(b).

(b) Opinion of Connie C. Holbrook, Esq. At Closing Time, the Representatives shall have received the favorable opinion, dated as of Closing Time, of Connie C. Holbrook, Esq, counsel for the Company, who may rely as to all matters governed by Federal and New York law upon the opinion of Skadden, Arps, Slate, Meagher & Flom LLP referred to below, in form and substance reasonably satisfactory to counsel for the Underwriters, to the effect that:

(i) The Company has been duly incorporated and is an existing corporation in good standing under the laws of the State of Utah.

(ii) The Company has corporate power and authority to own its properties and conduct its business as described in the Prospectus; and the Company is duly qualified to do business as a foreign corporation and is in good standing in all other jurisdictions in which it owns or leases substantial properties or in which the conduct of its business requires such qualification, except where the failure to be so qualified would not have a Material Adverse Effect.

(iii) The Securities are in the form contemplated by the Indenture, have been duly authorized by the Company and, assuming that the Securities have been duly authenticated by the Trustee in accordance with the terms of the Indenture, the Securities have been duly executed, issued and delivered by the Company and constitute valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, except to the extent that enforcement

11

thereof may be limited by (a) bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or other similar laws now or hereinafter in effect relating to or affecting creditors' rights generally and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity), and will be

entitled to the benefits of the Indenture. In expressing the opinion set forth in this paragraph (iii), such counsel may assume that the Securities, in the form delivered to the Underwriters conform to the specimen of the Securities examined by such counsel, which fact need not be verified by an inspection of the individual Securities.

(iv) The execution, delivery and performance of the Indenture and of this Agreement and the issuance and sale of the Securities and compliance with the terms and provisions hereof and thereof will not result in a breach or violation of any of the terms or provisions of, or constitute a default under, (a) any order known to such counsel of any governmental agency having jurisdiction over the Company or any of its properties or any agreement or instrument known to such counsel to which the Company is a party or by which the Company is bound or to which any of the properties of the Company is subject, which would cause a material adverse change in the financial position, shareholders' equity or results of operations of the Company or affect the validity of the Securities or the legal authority of the Company to comply with the terms of the Securities, the Indenture, this Agreement or (b) the charter or bylaws of the Company; and the Company has full power and authority to authorize, issue and sell the Securities as contemplated by this Agreement.

(v) The Indenture has been duly authorized, executed and delivered by the Company and (assuming the due authorization, execution and delivery of the Indenture by the Trustee) is a valid and binding agreement of the Company, enforceable against the Company in accordance with its terms, except to the extent enforcement thereof may be limited by (a) bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or other similar laws now or hereinafter in effect relating to or affecting creditors' rights generally, and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity).

(vi) This Agreement has been duly authorized, executed and delivered by the Company.

(vii) No authorization, approval or consent of any governmental authority or agency is necessary in connection with the transactions contemplated by this Agreement, except such as may be required under the 1933 Act, the 1939 Act, state securities or Blue Sky laws, and except as have been obtained.

(c) Opinion of Company Counsel. At Closing Time, the Representatives shall have received the favorable opinion, dated as of Closing Time, of Skadden, Arps, Slate, Meagher & Flom LLP, special counsel for the Company, in form and substance reasonably satisfactory to counsel for the Underwriters, to the effect that:

(i) The Securities are in the form contemplated by the Indenture, and when executed and authenticated in accordance with the terms of the Indenture and delivered to and paid for by the Underwriters in accordance with the terms hereof will constitute valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, except to the extent that enforcement thereof may be limited by (a) bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or other similar laws now or hereinafter in effect relating to or affecting creditors' rights generally and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity), and will be entitled to the benefits of the Indenture.

(ii) The Securities and the Indenture conform in all material respects to the descriptions thereof contained in the Prospectus.

(iii) The Indenture has been duly executed and delivered by the Company (to the extent such execution and delivery are matters governed by the laws of the State of New York) and (assuming the due authorization, execution and delivery of the Indenture by the Trustee) is a valid and binding agreement of the Company, enforceable against the Company in accordance with its terms, except to the extent enforcement thereof may be limited by (a) bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or other similar laws now or hereinafter in effect relating to or affecting creditors' rights generally and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity).

(iv) This Agreement has been duly executed and delivered by the Company (to the extent such execution and delivery are matters governed by the laws of the State of New York).

(v) The Registration Statement and the Prospectus, as of their respective effective or issue dates (but excluding the Form T-1 and the financial statements and the related notes, schedules and other financial data included or incorporated by reference in or excluded from the Registration Statement or the exhibits thereto, as to which such counsel need express no opinion), and the Indenture appeared on their face to be appropriately responsive in all material respects to the requirements of the 1933 Act, the 1933 Act Regulations and the 1939 Act, as applicable, except that such counsel need not assume any responsibility for the accuracy, completeness or fairness of the statements contained or incorporated by reference in the Registration Statement or the Prospectus except to the extent set forth in paragraph (ii) above.

(vi) Such counsel does not know of any legal or governmental proceedings required to be described in the Registration Statement or Prospectus which are not described as required, nor of any contracts or documents required to be filed as exhibits to the Registration Statement which are not described and filed as required.

13

(vii) No authorization, approval or consent of any governmental authority or agency is necessary in connection with the consummation by the Company of the transactions contemplated by this Agreement, except such as may be required by the 1933 Act, the 1939 Act, state securities or Blue Sky laws, and except as have been obtained.

(d) Opinion of Counsel to the Underwriters. The opinion of Brown & Wood LLP, counsel to the Underwriters, who may rely as to all matters governed by Utah law upon the opinion of Connie C. Holbrook, Esq., referred to above, covering the matters referred to in subparagraph (b) under the subheading (i) and subparagraph (c) under the subheadings (i) through (v), inclusive, above.

(e) In giving their opinions as of the date hereof required by subsection (b), (c) and (d) of this Section, Connie C. Holbrook, Esq., Skadden, Arps, Slate, Meagher & Flom LLP and Brown & Wood LLP shall each additionally state the time and date on which Registration Statement was declared effective under the 1933 Act, or if such counsel have not received an effectiveness order from the Commission, that such counsel have been advised by the Commission of the time and date on which the Registration Statement was declared effective and the Indenture was qualified under the Trust Indenture Act and, to the best of such counsel's knowledge, that no stop order suspending the Registration Statement's effectiveness has been issued and no

proceedings for that purpose have been instituted or are pending or threatened by the Commission. In addition, each such counsel shall state that they have participated in conferences with officers and representatives of the Company, representatives of the independent accountants of the Company, and the Underwriters, at which the contents of the Registration Statement, the Prospectus and any amendments or supplements thereto, and related matters were discussed and, although such counsel are not passing upon, and do not assume any responsibility for, the accuracy, completeness or fairness of the statements contained in the Registration Statement, the Prospectus or any amendments or supplements thereto and have made no independent check or verification thereof, on the basis of the foregoing, no facts have come to such counsel's attention that lead them to believe that the Registration Statement, at the time it became effective, contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein not misleading or that the Prospectus, or any amendment or supplement thereto, at the time the Prospectus was issued, at the time any such amended or supplemental prospectus was issued or at the Closing Time, contains or contained an untrue statement of a material fact or omits or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. Such counsel may state that they express no opinion or belief with respect to the Form T-1 or to the financial statements and the related notes, schedules and other financial data included in or excluded from the Registration Statement or the exhibits thereto or incorporated by reference in such Registration Statement or Prospectus.

(f) Officers' Certificate. At Closing Time, there shall not have been, since the date hereof or since the respective dates as of which information is given in the Prospectus, any material adverse change in the condition, financial or otherwise, or in the

14

earnings, business affairs or business prospects of the Company and its subsidiaries considered as one enterprise, whether or not arising in the ordinary course of business, and the Representatives shall have received a certificate of the President or a Vice President of the Company and of the chief financial or chief accounting officer of the Company, dated as of Closing Time, to the effect that (i) there has been no such material adverse change, (ii) the representations and warranties in Section 1(a) hereof are true and correct with the same force and effect as though expressly made at and as of Closing Time, (iii) the Company has complied with all covenants and agreements and satisfied all conditions on its part to be performed or satisfied at or prior to Closing Time, and (iv) no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or are pending or are contemplated by the Commission.

(g) Accountant's Comfort Letter. At the time of the execution of this Agreement, the Representatives shall have received from Ernst & Young, LLP a letter dated such date, in form and substance satisfactory to the Representatives, together with signed or reproduced copies of such letter for each of the other Underwriters containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained in the Registration Statement and the Prospectus.

(h) Bring-down Comfort Letter. At Closing Time, the Representatives shall have received from Ernst & Young, LLP a letter, dated as of Closing Time, to the effect that they reaffirm the statements made in the letter furnished pursuant to subsection (g) of this Section, except that the specified date referred to shall be a date not more than three business days prior to Closing Time.

(i) Maintenance of Rating. At Closing Time, the Securities shall be rated at least Baa3 by Moody's Investors Service Inc. and BBB- by Standard & Poor's Ratings Services, a division of McGraw-Hill, Inc., and the Company shall have delivered to the Representatives a letter

dated the Closing Time, from each such rating agency, or other evidence satisfactory to the Representatives, confirming that the Securities have such ratings; and since the date of this Agreement, there shall not have occurred a downgrading in the rating assigned to the Securities or any of the Company's other debt securities by any "nationally recognized statistical rating agency", as that term is defined by the Commission for purposes of Rule 436(g)(2) under the 1933 Act, and no such organization shall have publicly announced that it has under surveillance or review its rating of the Securities or any of the Company's other debt securities.

(j) Additional Documents. At Closing Time, counsel for the Underwriters shall have been furnished with such documents and opinions as they may reasonably require for the purpose of enabling them to pass upon the issuance and sale of the Securities as herein contemplated, or in order to evidence the accuracy of any of the representations or warranties, or the fulfillment of any of the conditions, herein contained; and all proceedings taken by the Company in connection with the issuance and sale of the Securities as herein contemplated shall be reasonably satisfactory in form and substance to the Representatives and counsel for the Underwriters.

15

(k) Termination of Agreement. If any condition specified in this Section shall not have been fulfilled when and as required to be fulfilled, this Agreement may be terminated by the Representatives by notice to the Company at any time at or prior to Closing Time, and such termination shall be without liability of any party to any other party except as provided in Section 4 and except that Sections 1, 6, 7 and 8 shall survive any such termination and remain in full force and effect.

SECTION 6. Indemnification.

(a) Indemnification of Underwriters. The Company agrees to indemnify and hold harmless each Underwriter and each person, if any, who controls any Underwriter within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act as follows:

(i) against any and all loss, liability, claim, damage and expense whatsoever, as incurred, arising out of any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement (or any amendment thereto), including the Rule 430A Information and the Rule 434 Information, if applicable, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading or arising out of any untrue statement or alleged untrue statement of a material fact contained in any preliminary prospectus or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading;

(ii) against any and all loss, liability, claim, damage and expense whatsoever, as incurred, to the extent of the aggregate amount paid in settlement of any litigation, or any investigation or proceeding by any governmental agency or body, commenced or threatened, or of any claim whatsoever based upon any such untrue statement or omission, or any such alleged untrue statement or omission; provided that (subject to Section 6(d) below) any such settlement is effected with the written consent of the Company; and

(iii) against any and all expense whatsoever, as incurred (including, subject to Section 6(c) hereof the fees and disbursements of counsel chosen by Merrill Lynch), reasonably incurred in investigating, preparing or defending against any litigation, or any investigation or proceeding by any governmental agency or body, commenced or threatened, or any claim whatsoever based upon any such untrue statement or omission, or any such alleged untrue statement or omission, to the extent that any such expense is not paid under (i) or (ii) above;

provided, however, that this indemnity agreement shall not apply to any loss, liability, claim, damage or expense to the extent arising out of any untrue statement or omission or alleged untrue statement or omission made in reliance upon and in conformity with written information furnished to the Company by or special counsel to the Company any Underwriter through Merrill Lynch expressly for use in the Registration Statement (or any amendment thereto), including the Rule 430A Information and the Rule 434 Information, if applicable, or any preliminary prospectus or the Prospectus (or any amendment or supplement thereto). The foregoing

16

indemnity with respect to any untrue statement contained in or omitted from a preliminary prospectus shall not inure to the benefit of any Underwriter (or any person controlling such Underwriter) from whom the person asserting any such loss, liability, claim, damage or expense purchased any of the Securities which are the subject thereof if such person did not receive a copy of the Prospectus (or any amendment or supplement thereto) (in each case exclusive of the documents from which information is incorporated by reference) at or prior to the written confirmation of the sale of such Securities to such person and the untrue statement contained in or omitted from such preliminary prospectus was corrected in the Prospectus (or any amendment or supplement thereto).

(b) Indemnification of Company, Directors and Officers. Each Underwriter severally agrees to indemnify and hold harmless the Company, its directors, each of its officers who signed the Registration Statement, and each person, if any, who controls the Company within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act against any and all loss, liability, claim, damage and expense described in the indemnity contained in subsection (a) of this Section, as incurred, but only with respect to untrue statements or omissions, or alleged untrue statements or omissions, made in the Registration Statement (or any amendment thereto), including the Rule 430A Information and the Rule 434 Information, if applicable, or any preliminary prospectus or the Prospectus (or any amendment or supplement thereto) in reliance upon and in conformity with written information furnished to the Company or special counsel to the Company by such Underwriter through Merrill Lynch expressly for use in the Registration Statement (or any amendment thereto) or such preliminary prospectus or the Prospectus (or any amendment or supplement thereto), and will reimburse any legal or other expenses reasonably incurred by the Company in connection with investigating or defending such loss, liability, claim, damage, expense or action as such expenses are incurred.

(c) Actions against Parties; Notification. Each indemnified party shall give notice as promptly as reasonably practicable to each indemnifying party of any action commenced against it in respect of which indemnity may be sought hereunder, but failure to so notify an indemnifying party shall not relieve such indemnifying party from any liability hereunder to the extent it is not materially prejudiced as a result thereof and in any event shall not relieve it from any liability which it may have otherwise than on account of this indemnity agreement. In the case of parties indemnified pursuant to Section 6(a) above, counsel to the indemnified parties shall be selected by Merrill Lynch, and, in the case of parties indemnified pursuant to Section 6(b) above, counsel to the indemnified parties shall be selected by the Company. If it so elects within a reasonable time after receipt of such notice, an indemnifying party, jointly with any other indemnifying parties receiving such notice, may assume the defense of such action with counsel chosen by it and approved by the indemnified parties defendant in such action (which approval shall not be unreasonably withheld), unless such indemnified parties reasonably object to such assumption on the ground that there may be legal defenses available to them which are different from or in addition to those available to such indemnifying party. If an indemnifying party assumes the defense of such action, the indemnifying party shall not be liable for any fees and expenses of counsel for the indemnified parties incurred thereafter in connection with such action other than the reasonable costs of investigation. In no event shall the indemnifying parties be liable for fees and expenses of more than one counsel (in addition to any local counsel) separate from their own counsel for all indemnified parties in connection with any one action or separate but similar or related actions in the same jurisdiction arising out of the same general

17

allegations or circumstances. No indemnifying party shall, without the prior written consent of the indemnified parties, settle or compromise or consent to the entry of any judgment with respect to any litigation, or any investigation or proceeding by any governmental agency or body, commenced or threatened, or any claim whatsoever in respect of which indemnification or contribution could be sought under this Section 6 or Section 7 hereof (whether or not the indemnified parties are actual or potential parties thereto), unless such settlement, compromise or consent (i) includes an unconditional release of each indemnified party from all liability arising out of such litigation, investigation, proceeding or claim and (ii) does not include a statement as to or an admission of fault, culpability or a failure to act by or on behalf of any indemnified party.

(d) Settlement without Consent if Failure to Reimburse. If at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel, such indemnifying party agrees that it shall be liable for any settlement of the nature contemplated by Section 6(a)(ii) effected without its written consent if (i) such settlement is entered into more than 45 days after receipt by such indemnifying party of the aforesaid request, (ii) such indemnifying party shall have received notice of the terms of such settlement at least 30 days prior to such settlement being entered into and (iii) such indemnifying party shall not have reimbursed such indemnified party in accordance with such request prior to the date of such settlement. Notwithstanding the immediately preceding sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel, an indemnifying party shall not be liable for any settlement of the nature contemplated by Section 6(a)(ii) effected without its consent if such indemnifying party (i) reimburses such indemnified party in accordance with such request to the extent it considers such request to be reasonable and (ii) provides written notice to the indemnified party substantiating the unpaid balance as unreasonable, in each case prior to the date of such settlement.

SECTION 7. Contribution. If the indemnification provided for in Section 6 hereof is for any reason (except as provided therein) unavailable to or insufficient to hold harmless an indemnified party in respect of any losses, liabilities, claims, damages or expenses referred to therein, then each indemnifying party shall contribute to the aggregate amount of such losses, liabilities, claims, damages and expenses incurred by such indemnified party, as incurred, (i) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Underwriters on the other hand from the offering of the Securities pursuant to this Agreement or (ii) if the allocation provided by clause (i) is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company on the one hand and of the Underwriters on the other hand in connection with the statements or omissions which resulted in such losses, liabilities, claims, damages or expenses, as well as any other relevant equitable considerations.

The relative benefits received by the Company on the one hand and the Underwriters on the other hand in connection with the offering of the Securities pursuant to this Agreement shall be deemed to be in the same respective proportions as the total net proceeds from the offering of the Securities pursuant to this Agreement (before deducting expenses) received by the Company and the total underwriting discount received by the Underwriters, in each case as set forth on the

cover of the Prospectus, or, if Rule 434 is used, the corresponding location on the Term Sheet, bear to the aggregate initial public offering price of the Securities as set forth on such cover.

The relative fault of the Company on the one hand and the Underwriters on the other hand shall be determined by reference to, among other things, whether any such untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company or by the Underwriters and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission.

The Company and the Underwriters agree that it would not be just and equitable if contribution pursuant to this Section 7 were determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section 7. The aggregate amount of losses, liabilities, claims, damages and expenses incurred by an indemnified party and referred to above in this Section 7 shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in investigating, preparing or defending against any litigation, or any investigation or proceeding by any governmental agency or body, commenced or threatened, or any claim whatsoever based upon any such untrue or alleged untrue statement or omission or alleged omission.

Notwithstanding the provisions of this Section 7, no Underwriter shall be required to contribute any amount in excess of the amount by which the total price at which the Securities underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of any such untrue or alleged untrue statement or omission or alleged omission.

No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the 1933 Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

For purposes of this Section 7, each person, if any, who controls an Underwriter within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act shall have the same rights to contribution as such Underwriter, and each director of the Company, each officer of the Company who signed the Registration Statement, and each person, if any, who controls the Company within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act shall have the same rights to contribution as the Company. The Underwriters' respective obligations to contribute pursuant to this Section 7 are several in proportion to the principal amount of Securities set forth opposite their respective names in Schedule A hereto and not joint.

19

SECTION 8. Representations, Warranties and Agreements to Survive Delivery. All representations, warranties and agreements contained in this Agreement or in certificates of officers of the Company or any of its subsidiaries submitted pursuant hereto, shall remain operative and in full force and effect, regardless of any investigation made by or on behalf of any Underwriter or controlling person, or by or on behalf of the Company, and shall survive delivery of the Securities to the Underwriters.

SECTION 9. Termination of Agreement.

(a) Termination; General. The Representatives may terminate this Agreement, by notice to the Company, at any time at or prior to Closing Time (i) if there has been, since the time of execution of this Agreement or since the respective dates as of which information is given in the Prospectus, any material adverse change in the condition, financial or otherwise, or in the earnings, business affairs or business prospects of the Company and its subsidiaries considered as one enterprise, whether or not arising in the ordinary course of business, or (ii) if there has occurred any material adverse change in the financial markets in the United States, any outbreak of hostilities or escalation thereof or other calamity or crisis, in each case the effect of which is such as to make it, in the reasonable judgment of the Representatives, impracticable to market the Securities or to enforce contracts for the sale of the Securities, or (iii) if trading in the Securities has been suspended or materially limited by the Commission, or if trading generally on the American Stock Exchange or the New York Stock Exchange or in the Nasdaq National Market has been suspended or materially limited, or minimum or maximum prices for trading have been fixed, or maximum ranges for prices have been required, by any of the exchanges or by such system or by order of the Commission, the National Association of Securities Dealers, Inc. or any other governmental authority, or (iv) if a banking moratorium has been declared by either Federal, New York or Utah authorities.

(b) Liabilities. If this Agreement is terminated pursuant to this Section, such termination shall be without liability of any party to any other party except as provided in Section 4 hereof, and provided further that Sections

1, 6, 7 and 8 shall survive such termination and remain in full force and effect.

SECTION 10. Default by One or More of the Underwriters. If one or more of the Underwriters shall fail at Closing Time to purchase the Securities which it or they are obligated to purchase under this Agreement (the "Defaulted Securities"), the Representatives shall have the right, within 24 hours thereafter, to make arrangements for one or more of the non-defaulting Underwriters, or any other underwriters, to purchase all, but not less than all, of the Defaulted Securities in such amounts as may be agreed upon and upon the terms herein set forth; if, however, the Representatives shall not have completed such arrangements within such 24-hour period, then:

(a) if the number of Defaulted Securities does not exceed 10% of the aggregate principal amount of the Securities to be purchased hereunder, each of the non-defaulting Underwriters shall be obligated, severally and not jointly, to purchase the full amount thereof in the proportions that their respective underwriting obligations hereunder bear to the underwriting obligations of all non-defaulting Underwriters, or

20

(b) if the number of Defaulted Securities exceeds 10% of the aggregate principal amount of the Securities to be purchased hereunder, this Agreement shall terminate without liability on the part of any non-defaulting Underwriter.

No action taken pursuant to this Section shall relieve any defaulting Underwriter from liability in respect of its default.

In the event of any such default which does not result in a termination of this Agreement, either the Representatives or the Company shall have the right to postpone Closing Time for a period not exceeding seven days in order to effect any required changes in the Registration Statement or Prospectus or in any other documents or arrangements. As used herein, the term "Underwriter" includes any person substituted for an Underwriter under this Section 10.

SECTION 11. Notices. All notices and other communications hereunder shall be in writing and shall be deemed to have been duly given if mailed or transmitted by any standard form of telecommunication. Notices to the Underwriters shall be directed to the Representatives at North Tower, World Financial Center, New York, New York 10281-1201, attention of _____; and notices to the Company shall be directed to it at 180 East 100 South, Salt Lake City, UT, 84111, attention of Stephen E. Parks, Vice President, Chief Financial Officer and Treasurer.

SECTION 12. Parties. This Agreement shall each inure to the benefit of and be binding upon the Underwriters and the Company and their respective successors. Nothing expressed or mentioned in this Agreement is intended or shall be construed to give any person, firm or corporation, other than the Underwriters and the Company and their respective successors and the controlling persons and officers and directors referred to in Sections 6 and 7 and their heirs and legal representatives, any legal or equitable right, remedy or claim under or in respect of this Agreement or any provision herein contained. This Agreement and all conditions and provisions hereof are intended to be for the sole and exclusive benefit of the Underwriters and the Company and their respective successors, and the controlling persons and officers and directors and their heirs and legal representatives, and for the benefit of no other person, firm or corporation. No purchaser of Securities from any Underwriter shall be deemed to be a successor by reason merely of such purchase.

SECTION 13. GOVERNING LAW AND TIME. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK. [EXCEPT AS OTHERWISE SET FORTH HEREIN,] SPECIFIED TIMES OF DAY REFER TO NEW YORK CITY TIME.

SECTION 14. Effect of Headings. The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

21

If the foregoing is in accordance with your understanding of our agreement, please sign and return to the Company a counterpart hereof, whereupon this instrument, along with all counterparts, will become a binding agreement between the Underwriters and the Company in accordance with its terms.

Very truly yours,

QUESTAR MARKET RESOURCES, INC.

By

 G. L. Nordloh
 President and Chief Executive Officer

CONFIRMED AND ACCEPTED,
 as of the date first above written:

MERRILL LYNCH & CO.
 MERRILL LYNCH, PIERCE, FENNER & SMITH
 INCORPORATED
 BANC OF AMERICA SECURITIES LLC
 BANC ONE CAPITAL MARKETS, INC.
 TD SECURITIES (USA) INC.

By: MERRILL LYNCH, PIERCE, FENNER & SMITH
 INCORPORATED

By

 Authorized Signatory

For itself and as Representatives of the other Underwriters named in Schedule A hereto.

SCHEDULE A

Name of Underwriter -----	Principal Amount of Securities -----
Merrill Lynch, Pierce, Fenner & Smith Incorporated.....	
Banc of America Securities LLC	
Banc One Capital Markets, Inc.	
TD Securities (USA) Inc.	
Total.....	\$150,000,000 =====

Sch. A-1

SCHEDULE B

QUESTAR MARKET RESOURCES, INC.

\$150,000,000 Senior Notes due 20__

1. The initial public offering price of the Securities shall be __% of the principal amount thereof, plus accrued interest, if any, from the date of issuance.

2. The purchase price to be paid by the Underwriters for the Securities

shall be ___% of the principal amount thereof.

3. The interest rate on the Securities shall be ___% per annum.

4. The Securities shall include a make-whole early redemption option with a spread over the applicable pricing Treasury note to be determined on the date of pricing.

Sch. B-1

SCHEDULE C

List of subsidiaries

Wexpro Company
Questar Exploration and Production Company
Questar Gas Management Company
Questar Energy Trading Company
Celsius Energy Resources, Ltd.
Canor Energy Ltd.

Sch. C-1

QUESTAR MARKET RESOURCES, INC.

TO

BANK ONE TRUST COMPANY, NA

Trustee

INDENTURE

Dated as of _____, 2000

DEBT SECURITIES

QUESTAR MARKET RESOURCES, INC.
Reconciliation and tie between Trust Indenture Act of
1939 and Indenture, dated as of _____, 2000

Trust Indenture Act Section	Indenture Section
ss.310(a)	606(d)
	609
	610
(b)	603
	606(d)
ss.311(a)	603
(b)	703
ss.312(a)	701
	702
(b)	702
(c)	702
ss.313(a)	703
(b)	703
(c)	703
	704
(d)	703
ss.314(a)	704
(b)	Not Applicable
(c) (1)	102
(c) (2)	102
(c) (3)	Not Applicable
(d)	Not Applicable

(e)	101
	102
	203
ss.315(a)	601(a)
(b)	703
(c)	601
(d)	601(a)
(d)(1)	601(a)
(d)(2)	601(c)
(d)(3)	601(e)
(e)	Not Applicable
ss.316(a)(1)(A)	512
(a)(1)(B)	513
(a)(2)	Not Applicable
(b)	508
ss.317(a)(1)	503
(a)(2)	504
(b)	1003
ss.318	107

NOTE: This reconciliation and tie shall not, for any purpose, be deemed to be a part of the Indenture.

TABLE OF CONTENTS

	Page
ARTICLE ONE	
DEFINITIONS AND OTHER PROVISIONS	
OF GENERAL APPLICATION.....	2
SECTION 101. Definitions.....	2
SECTION 102. Compliance Certificates and Opinions.....	12
SECTION 103. Form of Documents Delivered to Trustee.....	13
SECTION 104. Acts of Holders.....	13
SECTION 105. Notices, Etc., to Trustee and Company.....	16
SECTION 106. Notice to Holders of Securities; Waiver.....	16
SECTION 107. Conflict with Trust Indenture Act.....	17
SECTION 108. Effect of Headings and Table of Contents.....	17
SECTION	
109. Successors and Assigns.....	17
SECTION 110. Separability Clause.....	18
SECTION 111. Benefits of Indenture.....	18
SECTION 112. Governing Law.....	18
SECTION 113. Moneys of Different Currencies to be Segregated.....	18
SECTION 114. Payment to be in Proper Currency.....	18
SECTION 115. Language of Notices.....	19
SECTION 116. Legal Holidays.....	19
ARTICLE TWO	
SECURITY FORMS.....	19
SECTION 201. Forms Generally.....	19
SECTION 202. Form of Trustee's Certificate of Authentication.....	20
SECTION 203. Securities in Global Form.....	20
ARTICLE THREE	
THE SECURITIES.....	21
SECTION 301. Amount Unlimited; Issuable in Series.....	21
SECTION 302. Currency; Denominations.....	24
SECTION 303. Execution, Authentication, Delivery and Dating.....	25
SECTION 304. Temporary Securities.....	27
SECTION 305. Registration, Registration of Transfer and Exchange.....	28
SECTION 306. Mutilated, Destroyed, Lost and Stolen Securities.....	31
SECTION 307. Payment of Interest and Certain Additional Amounts; Rights to Interest and Certain Additional Amounts Preserved.....	32
SECTION 308. Persons Deemed Owners.....	34
SECTION 309. Cancellation.....	35
SECTION 310. Computation of Interest.....	36
ARTICLE FOUR	
SATISFACTION, DISCHARGE AND DEFEASANCE.....	36
SECTION 401. Satisfaction and Discharge of Indenture.....	36
SECTION 402. Application of Trust Money.....	37
SECTION 403. Satisfaction, Discharge and Defeasance of Securities of Any Series.....	38
ARTICLE FIVE	
REMEDIES.....	41

SECTION 501.	Events of Default.....	41
SECTION 502.	Acceleration of Maturity; Rescission and Annulment.....	42
SECTION 503.	Collection of Indebtedness and Suits for Enforcement by Trustee.....	43
SECTION 504.	Trustee May File Proofs of Claim.....	44
SECTION 505.	Trustee may Enforce Claims Without Possession of Securities or Coupons.....	45
SECTION 506.	Application of Money Collected.....	45
SECTION 507.	Limitation on Suits.....	46
SECTION 508.	Unconditional Right of Holders to Receive Principal and any Premium, Interest and Additional Amounts.....	46
SECTION 509.	Restoration of Rights and Remedies.....	47
SECTION 510.	Rights and Remedies Cumulative.....	47
SECTION 511.	Delay or Omission Not Waiver.....	47
SECTION 512.	Control by Holders.....	47
SECTION 513.	Waiver of Past Defaults.....	48
SECTION 514.	Waiver of Stay or Extension Laws.....	48
SECTION 515.	Judgment Currency.....	49
ARTICLE SIX	THE TRUSTEE.....	49
SECTION 601.	Certain Rights of Trustee.....	49
SECTION 602.	Not Responsible for Recitals or Issuance of Securities.....	51
SECTION 603.	May Hold Securities.....	51
SECTION 604.	Money Held in Trust.....	51
SECTION 605.	Compensation and Reimbursement.....	51
SECTION 606.	Resignation and Removal; Appointment of Successor.....	52
SECTION 607.	Acceptance of Appointment by Successor.....	53
SECTION 608.	Merger, Conversion, Consolidation or Succession to Business.....	55
SECTION 609.	Corporate Trustee Required; Eligibility.....	55
SECTION 610.	Appointment of Authenticating Agent.....	55
SECTION 611.	Notice of Defaults.....	57
ARTICLE SEVEN	HOLDERS' LISTS AND REPORTS BY TRUSTEE AND COMPANY.....	58
SECTION 701.	Company to Furnish Trustee Names and Addresses of Holders.....	58
SECTION 702.	Preservation of Information; Communications to Holders.....	58
SECTION 703.	Reports by Trustee.....	58
SECTION 704.	Reports by Company.....	59
ARTICLE EIGHT	CONSOLIDATION, MERGER OR SALE.....	60
SECTION 801.	Consolidation, Merger or Sale.....	60
SECTION 802.	Successor Corporation Substituted.....	60
ARTICLE NINE	SUPPLEMENTAL INDENTURES.....	61
SECTION 901.	Supplemental Indentures Without Consent of Holders.....	61
SECTION 902.	Supplemental Indentures with Consent of Holders.....	62
SECTION 903.	Execution of Supplemental Indentures.....	64
SECTION 904.	Effect of Supplemental Indentures.....	64
SECTION 905.	Conformity with Trust Indenture Act.....	64
SECTION 906.	Reference in Securities to Supplemental Indentures.....	64
ARTICLE TEN	COVENANTS.....	65
SECTION 1001.	Payment of Principal, Premium and Interest and Additional Amounts.....	65
SECTION 1002.	Maintenance of Office or Agency.....	65
SECTION 1003.	Money for Securities Payments to Be Held in Trust.....	66
SECTION 1004.	Additional Amounts.....	68
SECTION 1005.	Corporate Existence.....	69
SECTION 1006.	Limitation on Liens.....	69
SECTION 1007.	Waiver of Covenant.....	73
SECTION 1008.	Statements as to Compliance; Notice of Certain Defaults.....	73
ARTICLE ELEVEN	REDEMPTION OF SECURITIES.....	74
SECTION 1101.	Applicability of Article.....	74
SECTION 1102.	Election to Redeem; Notice to Trustee.....	74
SECTION 1103.	Selection by Trustee of Securities to be Redeemed.....	74
SECTION 1104.	Notice of Redemption.....	75
SECTION 1105.	Deposit of Redemption Price.....	75
SECTION 1106.	Securities Payable on Redemption Date.....	76
SECTION 1107.	Securities Redeemed in Part.....	77
ARTICLE TWELVE	SINKING FUNDS.....	77
SECTION 1201.	Applicability of Article.....	77
SECTION 1202.	Satisfaction of Sinking Fund Payments with Securities.....	77
SECTION 1203.	Redemption of Securities for Sinking Fund.....	78
ARTICLE THIRTEEN	REPAYMENT AT THE OPTION OF HOLDERS.....	78
SECTION 1301.	Applicability of Article.....	78
ARTICLE FOURTEEN	SECURITIES IN FOREIGN CURRENCIES.....	79
SECTION 1401.	Applicability of Article.....	79

ARTICLE FIFTEEN	MEETINGS OF HOLDERS OF SECURITIES.....	79
SECTION 1501.	Purposes for Which Meetings May be Called.....	79
SECTION 1502.	Call, Notice and Place of Meetings.....	79
SECTION 1503.	Persons Entitled to Vote at Meetings.....	80
SECTION 1504.	Quorum; Action.....	80
SECTION 1505.	Determination of Voting Rights; Conduct and Adjournment of Meetings.....	81
SECTION 1506.	Counting Votes and Recording Action of Meetings.....	82

INDENTURE, dated as of _____, 2000 (the "Indenture"), between QUESTAR MARKET RESOURCES, INC., a corporation duly organized and existing under the laws of the State of Utah (herein called "Company"), having its principal office at 180 East 100 South Street, Salt Lake City, Utah 84111, and BANK ONE TRUST COMPANY, NA, a national banking association duly incorporated and existing under the laws of the United States of America (herein called the "Trustee").

RECITALS OF THE COMPANY

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its unsecured debentures, notes or other evidences of indebtedness (herein called the "Securities"), unlimited as to principal amount, to bear such rates of interest, to mature at such time or times, to be issued in one or more series and to have such other provisions as shall be fixed as hereinafter provided.

The Company has duly authorized the execution and delivery of this Indenture. All things necessary to make this Indenture a valid agreement of the Company, in accordance with its terms, have been done.

This Indenture is subject to the provisions of the Trust Indenture Act of 1939, as amended, and the rules and regulations of the Securities and Exchange Commission promulgated thereunder that are required to be part of this Indenture and, to the extent applicable, shall be governed by such provisions.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Securities by the Holders thereof, it is mutually covenanted and agreed, for the equal and proportionate benefit of all Holders (as herein defined) of the Securities or of any series thereof and any Coupons (as herein defined), as follows:

ARTICLE ONE

DEFINITIONS AND OTHER PROVISIONS
OF GENERAL APPLICATION

SECTION 101. Definitions.

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

(1) the terms defined in this Article have the meanings assigned to them in this Article and include the plural as well as the singular;

(2) all other terms used herein which are defined in the Trust Indenture Act, either directly or by reference therein, have the meanings assigned to them therein;

(3) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles and, except as to any computation required or permitted pursuant to, and relating to any covenant of the Company contained in, any indenture

supplemental hereto relating to any series of Securities, which such computation (unless otherwise provided in such supplemental indenture) shall be made in accordance with generally accepted accounting principles as are generally accepted at the date of such supplemental indenture, or except as otherwise herein or in any indenture supplemental hereto expressly provided, the term "generally accepted accounting principles" with respect to any computation required or permitted hereunder shall mean such accounting principles as are generally accepted at the date of such computation; and

(4) the words "herein", "hereof", "hereto" and "hereunder" and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

(5) the word "or" is always used inclusively (for example, the phrase "A or B" means "A or B or both", not "either A or B but not both").

Certain terms, used principally in Article Six, are defined in that Article.

"Act", when used with respect to any Holder, has the meaning specified in Section 104.

"Additional Amounts" means any additional amounts which are required hereby or by any Security, under circumstances specified herein or therein, to be paid by the Company in respect of certain taxes imposed on Holders specified therein and which are owing to such Holders.

"Affiliate" of any specified Person means any other person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, "control" when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the

2

ownership of voting securities, by contract or otherwise; and the terms "controlling" and "controlled" have meanings correlative to the foregoing.

"Attributable Debt" means, as of the date of determination, the present value of net rent for the remaining term of a capital lease, determined in accordance with GAAP, which is part of a Sale and Leaseback Transaction, including any periods for which the lessee has the right to renew or extend the lease. For purposes of the foregoing, "net rent" means the sum of capitalized rental payments required to be paid by the lessee, other than amounts required to be paid by the lessee for maintenance, repairs, insurance, taxes, assessments, energy, fuel, utilities and similar charges. In the case of a capital lease which is terminable by the lessee upon the payment of a penalty, such net amount shall also include the amount of such penalty, but no rent shall be considered to be required to be paid under such lease subsequent to the first date upon which it may be so terminated.

"Authenticating Agent" means any Person authorized by the Trustee pursuant to Section 610 to act on behalf of the Trustee to authenticate Securities of one or more series.

"Authorized Newspaper" means a newspaper of general circulation in the place of publication, printed in the official language of the country of publication and customarily published on each Business Day, whether or not published on Saturdays, Sundays or holidays. Whenever successive weekly publications in an Authorized Newspaper are authorized or required hereunder, they may be made (unless otherwise expressly provided herein) on the same or different days of the week and in the same or different Authorized Newspapers.

"Bearer Security" means any Security in the form of bearer securities established pursuant to Section 201 which is payable to bearer and is not a Registered Security.

"Board of Directors" means either the Board of Directors of the Company or any duly authorized committee of that Board.

"Board Resolution" means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee.

"Book-Entry Security" means a security evidencing all or part of a series of Securities, issued to the Depositary for such series of Securities in accordance with Section 303, and bearing the legend prescribed in Section 303.

"Business Day", when used with respect to any Place of Payment, means each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in that Place of Payment are authorized or obligated by law or executive order to close.

"Commission" means the Securities and Exchange Commission, as from time to time constituted, created under the Securities Exchange Act of 1934, or, if at any time after the execution of this instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties at such time.

3

"Company" means the Person named as the "Company" in the first paragraph of this instrument until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Company" shall mean such successor Person, and any other obligor under the Securities.

"Company Request" or "Company Order" means a written request or order signed in the name of the Company by its Chairman of the Board, its President or a Vice President, and by its Treasurer, an Assistant Treasurer, its Secretary or an Assistant Secretary, and delivered to the Trustee.

"Consolidated Capitalization" means, without duplication, the sum of (a) the principal amount of Consolidated Funded Debt of the Company and its Subsidiaries at the time outstanding, (b) the total capital represented by the capital stock of the Company and its Subsidiaries at the time outstanding, based, in the case of stock having par value, upon its par value, and in the case of stock having no par value, upon the value stated on the books of the Company, (c) the total amount of (or less the amount of any deficit in) retained earnings and paid-in capital of the Company and its Subsidiaries, (d) reserves for deferred federal and state income taxes arising from timing differences, and (e) Attributable Debt, all as shown on a consolidated balance sheet of the Company and its Subsidiaries prepared in accordance with GAAP; provided that in determining the consolidated retained earnings and paid-in capital of the Company and its Subsidiaries no effect shall be given to any unrealized write-up or write-down in the value of assets or any amortization thereof, except for accumulated provisions for depreciation, depletion, amortization and property retirement which shall have been created by charges made by the Company or any of its Subsidiaries on its books.

"Consolidated Funded Debt" means the Funded Debt of the Company and its Subsidiaries, consolidated in accordance with GAAP.

"Corporate Trust Office" means the principal office of the Trustee in Chicago, Illinois, at which at any particular time its corporate trust business shall be administered, which office at the date of initial execution of this Indenture, as to the Trustee, is 1 Bank One Plaza, Suite 0126, Chicago, Illinois 60602, Attention: Corporate Trust Department.

"Corporation" includes corporations, partnerships, limited liability companies, associations, companies and business trusts.

"Coupon" means any interest coupon appertaining to any Security.

"Currency" or "Money", with respect to any payment, deposit or other transfer in respect of the principal of or any premium or interest on or any Additional Amounts with respect to any Security, means the unit or units of legal tender for the payment of public and private debts (or any composite

thereof) in which such payment, deposit or other transfer is required to be made by or pursuant to the terms hereof and, with respect to any other payment, deposit or transfer pursuant to or contemplated by the terms hereof, means Dollars.

"Currency Indexed Note" means any Security with the amount of principal payments determined by reference to an index Currency.

4

"Defaulted Interest" has the meaning specified in Section 307.

"Depository" or "U.S. Depository" means, with respect to the Securities of any series issuable or issued in whole or in part in global form, including Book-Entry Securities, the Person designated as Depository or "U.S. Depository" by the Company pursuant to Section 301 until a successor Depository shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Depository" shall mean or include each Person who is then a Depository hereunder, and if at any time there is more than one such person "Depository" shall be a collective reference to such Persons. "Depository" as used with respect to the Securities of any such series shall mean the Depository with respect to the Securities of that series.

"Dollar" means the coin or currency of the United States of America as at the time of payment is legal tender for the payment of public and private debts.

"ECU" means the European Currency Unit as defined and revised from time to time by the Council of the European Communities.

"Event of Default" has the meaning specified in Section 501.

"Foreign Currency" means a currency issued by the government of any country other than the United States of America.

"Funded Debt" means all Indebtedness that will mature, pursuant to a mandatory sinking fund or prepayment provision or otherwise, and all installments of Indebtedness that will fall due, more than one year from the date of determination. In calculating the maturity of any Indebtedness, there shall be included the term of any unexercised right of the debtor to renew or extend such Indebtedness existing at the time of determination.

"GAAP" means generally accepted accounting principles in the United States, as in effect on the date on which the determination is to be made under the Indenture.

"Government Obligations", with respect to any Security, means (i) direct obligations of the government or governments which issued the Currency in which the principal of or any premium or interest on such Security or any Additional Amounts in respect thereof shall be payable, in each case where the payment or payments thereunder are supported by the full faith and credit of such government or governments or (ii) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of such government or governments, in each case where the payment or payments thereunder are unconditionally guaranteed as a full faith and credit obligation by such government or governments, and which, in the case of (i) or (ii), are not callable or redeemable at the option of the issuer or issuers thereof, and shall also include a depository receipt issued by a bank or trust company as custodian with respect to any such Government Obligation or a specific payment of interest on or principal of or other amount with respect to any such Government Obligation held by such custodian for the account of the holder of a depository receipt, provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the Government Obligation or the specific

5

payment of interest on or principal of or other amount with respect to the Government Obligation evidenced by such depository receipt.

"Holder" means, with respect to a Registered Security, the Person in whose name a Security is registered in the Security Register and, with respect to a Bearer Security (or any temporary Global Security), and/or Coupons, the bearer thereof.

"Indebtedness" means all items of indebtedness for borrowed money (other than unamortized debt discount and premium) which would be included in determining total liabilities as shown on the liability side of a balance sheet prepared in accordance with GAAP as of the date as of which Indebtedness is to be determined, and shall include indebtedness for borrowed money (other than unamortized debt discount and premium) with respect to which the Company or any Subsidiary customarily pays interest secured by any mortgage, pledge or other lien or encumbrance of or upon, or any security interest in, any properties or assets owned by the Company or any Subsidiary, whether or not the Indebtedness secured thereby shall have been assumed, and shall also include guarantees of Indebtedness of others; provided that in determining Indebtedness of the Company or any Subsidiary there shall be included the aggregate liquidation preference of all outstanding securities of any Subsidiary senior to its Common Stock that are not owned by the Company or a Subsidiary; and provided, further, that Indebtedness of any Person shall not include the following:

(a) any indebtedness evidence of which is held in treasury (but the subsequent resale of such indebtedness shall be deemed to constitute the creation thereof); or

(b) any particular indebtedness if, upon or prior to the maturity thereof, there shall have been deposited with a depository (or set aside and segregated, if permitted by the instrument creating such indebtedness), in trust, money (or evidence of such indebtedness as permitted by the instrument creating such indebtedness) in the necessary amount to pay, redeem or satisfy such indebtedness; or

(c) any indebtedness incurred to finance oil, natural gas, hydrocarbon, inert gas or other mineral exploration or development to the extent that the issuer thereof has outstanding advances to finance oil, natural gas, hydrocarbon, inert gas or other mineral exploration or development, but only to the extent such advances are not in default; or

(d) any indebtedness incurred without recourse to the Company or any Subsidiary; or

(e) any indebtedness incurred to finance advance payments for gas (pursuant to take-or-pay provisions or otherwise), but only to the extent that such advance payments are pursuant to gas purchase contracts entered into in the normal course of business; or

(f) any amount (whether or not included in determining total liabilities as shown on the liability side of a balance sheet prepared in accordance with GAAP) representing capitalized rent under any lease; or

(g) any indirect guarantees or other contingent obligations in respect of indebtedness of other Persons, including agreements, contingent or otherwise, with such other Persons or with third

parties with respect to, or to permit or assure the payment of, obligations of such other Persons, including, without limitation, agreements to purchase or repurchase obligations of such other Persons, to advance or supply funds to, or to invest in, such other Persons, or to pay for property, products or services of such other Persons (whether or not conveyed, delivered or rendered); demand charge contracts, through-put, take-or-pay, keep-well, make-whole or maintenance of working capital or similar agreements; or guarantees with respect to rental or similar periodic payments to be made by such other Persons.

"Indenture" means this instrument as originally executed or as

it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof and with respect to any Security, by the terms and provisions of such Security and any Coupon appertaining thereto established as contemplated by Section 301 (as such terms and provisions may be amended pursuant to the applicable provisions hereof) provided, however, that, if at any time more than one Person is acting as Trustee under this Indenture due to the appointment of one or more separate Trustees for any one or more separate series of Securities, "Indenture" shall mean, with respect to such series of Securities for which any such Person is Trustee, this Indenture as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof and shall include the terms of particular series of Securities for which such Person is Trustee established as contemplated by Section 301, exclusive, however, of any provisions or terms which relate solely to other series of Securities for which such Person is not Trustee, regardless of when such terms or provisions were adopted and exclusive of any provisions or terms adopted by means of one or more indentures supplemental hereto executed and delivered after such Person had become such Trustee but to which such Person, as such Trustee, was not a party.

"Independent Public Accountants" means accountants or a firm of accountants that, with respect to the Company and any other obligor under the Securities or the Coupons, are independent public accountants within the meaning of the Securities Act of 1933, as amended, and the rules and regulations promulgated by the Commission thereunder, who may be the independent public accountants regularly retained by the Company or who may be other independent public accountants. Such accountants or firm shall be entitled to rely upon any Opinion of Counsel as to the interpretation of any legal matters relating to the Indenture or certificates required to be provided hereunder.

"Indexed Security" means a Security the terms of which provide that the principal amount thereof payable at Stated Maturity may be more or less than the principal face amount thereof at original issuance.

"Interest", when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity.

"Interest Payment Date", when used with respect to any Security, means the Stated Maturity of an installment of interest on such Security.

"Legal Holiday", with respect to any Place of Payment or other location, means a Saturday, a Sunday or a day on which banking institutions or trust companies in such Place of Payment or other location are authorized or obligated to be closed.

7

"Maturity", when used with respect to any Security, means the date on which the principal of such Security or an installment of principal becomes due and payable as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, call for redemption, notice of option to elect repayment or otherwise and includes any Redemption Date.

"New York Business Day" means each weekday which is not a day on which banking institutions in New York City are authorized or obligated by law to close.

"Office or Agency", with respect to any Securities, means an office or agency of the Company maintained or designated in a Place of Payment for such Securities pursuant to Section 1002 or any other office or agency of the Company maintained or designated for such Securities pursuant to Section 1002 or, to the extent designated or required by Section 1002 in lieu of such office or agency, the Corporate Trust Office of the Trustee.

"Officers' Certificate" means a certificate signed (i) by the Chairman of the Board, the President or a Vice President, and (ii) by the Controller, the Treasurer, an Assistant Treasurer, the Secretary or an Assistant Secretary of the Company, that complies with the requirements of Section 314(e) of the Trust Indenture Act and is delivered to the Trustee.

"Opinion of Counsel" means a written opinion of counsel, who may be an employee of or counsel for the Company or other counsel who shall be reasonably acceptable to the Trustee, that complies with the requirements of Section 314(e) of the Trust Indenture Act.

"Original Issue Discount Security" means any Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502.

"Outstanding", when used with respect to Securities, means, as of the date of determination, all Securities theretofore authenticated and delivered under this Indenture, except:

(i) Securities theretofore cancelled by the Trustee or the Security Registrar or delivered to the Trustee or the Security Registrar for cancellation;

(ii) Securities for whose payment or redemption (a) Money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Securities or (b) U.S. Government Obligations or Foreign Government Securities as contemplated by Section 403 in the necessary amount have been theretofore deposited with the Trustee in trust for the Holders of such Securities in accordance with Section 403; provided that, if such Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provisions therefor satisfactory to the Trustee has been made;

(iii) any such Security with respect to which the Company has effected defeasance pursuant to Section 403 hereof; and

8

(iv) Securities which have been paid pursuant to Section 306 or in exchange for or in lieu of which other Securities have been authenticated and delivered pursuant to this Indenture, other than any such Securities in respect of which there shall have been presented to the Trustee proof satisfactory to it that such Securities are held by a bona fide purchaser in whose hands such Securities are valid obligations of the Company;

provided, however, that in determining whether the Holders of the requisite principal amount of the Outstanding Securities have given any request, demand, authorization, direction, notice, consent or waiver hereunder or are present at a meeting of Holders of Securities for quorum purposes, the principal amount of any Original Issue Discount Securities that shall be deemed to be Outstanding for such purposes shall be equal to the amount of the principal thereof that would be due and payable as of the date of such determination upon a declaration of acceleration of the maturity thereof pursuant to Section 502, the principal amount of a Security denominated other than in Dollars shall be deemed to be that amount of Dollars that could be obtained for such principal amount on the basis of the spot rate of exchange for such Foreign Currency or such currency unit as determined by the Company or by an authorized exchange rate agent, the principal amount of any indexed Security that may be counted in making such determination and that shall be deemed outstanding for such purpose shall be equal to the principal face amount of such Indexed Security at original issuance, unless otherwise provided in or pursuant to this Indenture, and Securities owned by the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in relying upon any such request, demand, authorization, direction, notice, consent or waiver, only Securities which the Trustee knows to be so owned shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor.

"Paying Agent" means any Person, which may be the Company,

authorized by the Company to pay the principal of (and premium, if any) or interest on, or any Additional Amounts with respect to any Securities or any Coupon on behalf of the Company.

"Person" means any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization or government or any agency or political subdivision thereof.

"Place of Payment", when used with respect to the Securities of any series, means the place or places where the principal of (and premium, if any) and interest on, or any Additional Amounts with respect to, the Securities of that series are payable as specified and contemplated by Section 301.

"Predecessor Security" of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 306 in exchange for or in lieu of a mutilated, destroyed, lost or stolen Security or any Security to which a mutilated, destroyed, lost or stolen Coupon appertains shall be deemed to evidence the same debt as the mutilated, destroyed, lost or stolen Security or the Security to which a mutilated, destroyed, lost or stolen Coupon appertains.

9

"Redemption Date", when used with respect to any Security or portion thereof to be redeemed, means the date fixed for such redemption by or pursuant to this Indenture.

"Redemption Price", when used with respect to any Security or portion thereof to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

"Registered Security" means any Security in the form of Registered Securities established pursuant to Section 201 which is registered in the Security Register.

"Regular Record Date" for the interest payable on any Interest Payment Date on the Securities of any series means the date specified for that purpose as contemplated by Section 301.

"Required Currency" has the meaning specified in Section 114.

"Responsible Officer", when used with respect to the Trustee, means an officer of the Corporate Trust Department of the Trustee engaged in the administration of corporate trust matters.

"Sale and Leaseback Transaction" means an arrangement in which the Company or a Subsidiary sells any of its property which was placed into service more than 120 days prior to such sale to a Person and leases it back from that Person within 180 days of the sale.

"Security" or "Securities" has the meaning stated in the first recital of this Indenture and more particularly means any Securities authenticated and delivered under this Indenture; provided, however, that, if at any time there is more than one Person acting as Trustee under this Indenture, "Securities" shall mean Securities authenticated and delivered under this Indenture, exclusive, however, of Securities of any series as to which such Person is not Trustee.

"Security Register" and "Security Registrar" have the respective meanings specified in Section 305.

"Special Record Date" for the payment of any Defaulted Interest means a date fixed by the Trustee pursuant to Section 307.

"Stated Maturity", when used with respect to any Security or any installment of principal thereof or interest thereon or any Additional Amounts with respect thereto, means the date specified in such Security as the fixed date on which the principal of such Security or such installment of principal or interest is or such Additional Amounts are due and payable.

"Subsidiary" means a corporation more than 50% of the outstanding Voting Stock of which is owned, directly or indirectly, by the Company or by one or more other Subsidiaries, or by the Company and one or more other Subsidiaries.

"Trustee" means the Person named as the "Trustee" in the first paragraph of this instrument until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Trustee" shall mean or include each Person who is then a Trustee hereunder,

10

and if at any time there is more than one such Person, "Trustee" shall mean each such Person, and as used with respect to the Securities of any series shall mean the Trustee with respect to Securities of that Series.

"Trust Indenture Act" means the Trust Indenture Act of 1939, as amended, as in force at the date as of which this instrument was executed, except as provided in Section 905.

"United States", except as otherwise provided herein or in any Security, means the United States of America (including the states thereof and the District of Columbia), its territories and possessions and other areas subject to its jurisdiction.

"United States Alien", except as otherwise provided in or pursuant to this Indenture, means any Person who, for United States Federal income tax purposes, is a foreign corporation, a non-resident alien individual, a non-resident alien fiduciary of a foreign estate or trust, or a foreign partnership one or more of the members of which is, for United States Federal income tax purposes, a foreign corporation, a non-resident alien individual or a non-resident alien fiduciary of a foreign estate or trust.

"Vice President", when used with respect to the Company or the Trustee, means any vice president, whether or not designated by a number or a word or words added before or after the title "Vice President".

"Voting Stock" means stock of the class or classes of any corporation having general voting power under ordinary circumstances to elect at least a majority of the board of directors, managers or trustees of such corporation (irrespective of whether or not at the time stock of any other class or classes of such corporation shall have or might have voting power by reason of the happening of any contingency) provided that, for the purposes hereof, stock which carries only the right to vote conditionally on the happening of an event shall not be considered voting stock whether or not such event shall have happened.

SECTION 102. Compliance Certificates and Opinions.

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee an Officers' Certificate stating that all conditions precedent, if any, provided for in this Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that, in the opinion of such counsel, all such conditions precedent, if any, have been complied with, except that in the case of any such application or request as to which the furnishing of such documents or any of them is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished. Each such Officers' Certificate and Opinion of Counsel shall comply with Section 314(e) of the Trust Indenture Act.

11

SECTION 103. Form of Documents Delivered to Trustee.

In any case where several matters are required to be certified

by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his certificate or opinion is based are erroneous. Any such certificate or Opinion of Counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture or any Security, they may, but need not, be consolidated and form one instrument.

SECTION 104. Acts of Holders.

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by an agent duly appointed in writing. If, but only if, Securities of a series are issuable as Bearer Securities, any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders of Securities of such series may, alternatively, be embodied in and evidenced by the record of Holders of Securities of such series voting in favor thereof, either in person or by proxies duly appointed in writing, at any meeting of Holders of Securities of such series duly called and held in accordance with the provisions of Article Fifteen, or a combination of such instruments and any such record. Except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments or record or both are delivered to the Trustee and, where it is hereby expressly required, to the Company. Such instrument or instruments and any such record (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments or so voting at any such meeting. Proof of execution of any such instrument or of a writing appointing any such agent, or of the holding by any Person of a Security, shall be sufficient for any purpose of this Indenture and (subject to Section 315 of the Trust Indenture Act) conclusive in favor of the Trustee and the Company and any agent of the Trustee or the Company, if made in the manner provided in this Section. The record of any meeting of Holders of Securities shall be proved in the manner provided in Section 1506.

12

Without limiting the generality of this Section 104, unless otherwise provided in or pursuant to this Indenture, a Holder, including a U.S. Depository that is a Holder of a global Security, may make, give or take, by a proxy, or proxies, duly appointed in writing, any request, demand, authorization, direction, notice, consent, waiver or other action provided in this Indenture to be made, given or taken by Holders, and a U.S. Depository that is a Holder of a global Security may provide its proxy or proxies to the beneficial owners of interests in any such global Security through such U.S. Depository's standing instructions and customary practices.

The Trustee or the Company shall fix a record date for the purpose of determining the Persons who are beneficial owners of interest in any permanent global Security held by a U.S. Depository entitled under the procedures of such U.S. Depository to make, give or take, by a proxy or proxies duly appointed in writing, any request, demand, authorization, direction, notice, consent, waiver or other action provided in this Indenture to be made,

given or taken by Holders. If such a record date is fixed, the Holders on such record date or their duly appointed proxy or proxies, and only such Persons, shall be entitled to make, give or take such request, demand, authorization, direction, notice, consent, waiver or other action, whether or not such Holders remain Holders after such record date. No such request, demand, authorization, direction, notice, consent, waiver or other action shall be valid or effective if made, given or taken more than 90 days after such record date.

(b) The fact and date of the execution by any Person of any such instrument or writing may be proved by the affidavit of a witness of such execution or by a certificate of a notary public or other officer authorized by law to take acknowledgments of deeds, certifying that the individual signing such instrument or writing acknowledged to him the execution thereof. Where such execution is by a signer acting in a capacity other than his individual capacity, such certificate or affidavit shall also constitute sufficient proof of his authority. The fact and date of the execution of any such instrument or writing, or the authority of the Person executing the same, may also be proved in any other manner which the Trustee deems sufficient.

(c) The ownership, principal amount and serial numbers of Bearer Securities held by any Person, and the date of the commencement and the date of termination of holding the same, may be proved by the production of such Bearer Securities or by a certificate executed, as depository, by any trust company, bank, banker or other depository reasonably acceptable to the Company, wherever situated, if such certificate shall be deemed by the Trustee to be satisfactory, showing that at the date therein mentioned such Person had on deposit with such Depository, or exhibited to it, the Bearer Securities therein described; or such facts may be proved by the certificate or affidavit of the Person holding such Bearer Securities, if such certificate or affidavit is deemed by the Trustee to be satisfactory. The Trustee and the Company may assume that such ownership of any Bearer Security continues until (1) another certificate or affidavit bearing a later date issued in respect of the same Bearer Security is produced, (2) such Bearer Security is produced to the Trustee by some other Person, (3) such Bearer Security is surrendered in exchange for a Registered Security or (4) such Bearer Security is no longer Outstanding.

(d) The fact and date of execution of any such instrument or writing pursuant to clause (c) above, the authority of the Person executing the same and the principal amount and serial numbers of Bearer Securities held by the Person so executing such instrument or writing and the date of the

13

commencement and the date of termination of holding the same may also be proved in any other manner which the Trustee deems sufficient; and the Trustee may in any instance require further proof with respect to any of the matters referred to in this clause.

(e) The ownership of Registered Securities shall be proved by the Security Register.

(f) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Security shall bind every future Holder of the same Security and the holder of every Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, omitted or suffered to be done by the Trustee, any Security Registrar, any Paying Agent or the Company in reliance thereon, whether or not notation of such action is made upon such Security.

(g) Whenever for purposes of any Act to be taken hereunder by the Holders of a series of Securities denominated in a Foreign Currency (or any currency unit), the principal amount of Securities is required to be determined, the aggregate principal amount of such Securities shall be deemed to be that amount of Dollars that could be obtained for such principal amount on the basis of the spot rate of exchange for such Foreign Currency or such currency unit as determined by the Company or by an authorized exchange rate agent and evidenced to the Trustee by an Officers' Certificate as of the date taking of such Act by the Holders of the requisite percentage in principal amount of the Securities is evidenced to the Trustee. An exchange rate agent may be authorized in advance or from time to time by the Company, and maybe the Trustee or its Affiliate. Any such determination by the Company or by any such exchange rate agent shall be

conclusive and binding on all Holders, the Company and the Trustee, and neither the Company nor any such exchange rate agent shall be liable therefor in the absence of bad faith.

(h) If the Company shall solicit from the Holders of any Registered Securities, any request, demand, authorization, direction, notice, consent, waiver or other Act, the Company may, at its option, by or pursuant to a Board Resolution, fix in advance a record date for the determination of Holders of Registered Securities entitled to give such request, demand, authorization, direction, notice, consent, waiver or other Act, but the Company shall have no obligation to do so. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other Act may be given before or after such record date, but only the Holders of Registered Securities of record at the close of business on such record date shall be deemed to be Holders for the purposes of determining whether Holders of the requisite proportion of Outstanding Securities have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other Act, and for that purpose the Outstanding Securities shall be computed as of such record date; provided that no such authorization, agreement or consent by the Holders on such record date shall be deemed effective unless it shall become effective pursuant to the provisions of this Indenture not later than six months after the record date.

SECTION 105. Notices, Etc., to Trustee and Company.

Any request, demand, authorization, direction, notice, consent, waiver or Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

14

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder if made, given, furnished or filed in writing to or with the Trustee at its Corporate Trust Office, or

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to the Company addressed to it at the address of its principal office specified in the first paragraph of this instrument or at any other address previously furnished in writing to the Trustee by the Company.

SECTION 106. Notice to Holders of Securities; Waiver.

Where this Indenture provides for notice to Holders of Securities of any event, (i) if any of the Securities affected by such event are Registered Securities, such notice to the Holders thereof shall be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each such Holder affected by such event, at his address as it appears in the Security Register, within the time prescribed for the giving of such notice and (ii) if any of the Securities affected by such event are Bearer Securities, notice to the Holders thereof shall be sufficiently given (unless otherwise herein or in the terms of such Bearer Securities expressly provided) if published once in an Authorized Newspaper in New York, New York, and in such other city or cities, if any, as may be specified in such Securities and, if the Securities of such series are listed on any stock exchange outside the United States, in any place at which such Securities are listed on a securities exchange to the extent that such securities exchange so requires, and mailed to such Persons whose names and addresses as were previously filed with the Trustee, within the time prescribed for giving such notice. In any case where notice to Holders is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder shall affect the sufficiency of such notice with respect to other Holders. In case by reason of the suspension of publication of any Authorized Newspaper or Authorized Newspapers or by reason of any other cause it shall be impracticable to publish any notice to Holders of Bearer Securities as provided above, then such publication in lieu thereof as shall be made with the approval of the Trustee shall constitute a sufficient publication of such notice. Neither failure to give notice by publication to Holders of Bearer Securities as provided above, nor any defect in any notice so published, shall affect the sufficiency of any notice mailed to Holders of Registered Securities

as provided above.

Any notice which is mailed in the manner herein provided shall be conclusively presumed to have been duly given or provided. In case by reason of the suspension of regular mail service or by reason of any other cause it shall be impracticable to give such notice as provided above, then such notification as shall be made with the approval of the Trustee shall constitute a sufficient notification for every purpose hereunder.

Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

15

SECTION 107. Conflict with Trust Indenture Act.

This Indenture is subject to the Trust Indenture Act and if any provision hereof limits, qualifies or conflicts with a provision of the Trust Indenture Act that is required under such Act to be a part of and govern this Indenture, the latter provision shall control. If any provision of this Indenture modifies or excludes any provision of the Trust Indenture Act that may be so modified or excluded, the latter provision shall be deemed to apply to this Indenture as so modified or to be excluded, as the case may be.

SECTION 108. Effect of Headings and Table of Contents.

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

SECTION 109. Successors and Assigns.

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

SECTION 110. Separability Clause.

In case any provision in this Indenture, any Security or any Coupon shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

SECTION 111. Benefits of Indenture.

Nothing in this Indenture, any Security or any Coupon, express or implied, shall give to any Person, other than the parties hereto, any Security Registrar, any paying agent and their successors hereunder and the Holders, any benefit or any legal or equitable right, remedy or claim under this Indenture.

SECTION 112. Governing Law.

This Indenture, the Securities and any Coupons shall be governed by and construed in accordance with the laws of the State of New York applicable to agreements made or instruments entered into and, in each case, performed in said state.

SECTION 113. Moneys of Different Currencies to be Segregated.

The Trustee shall segregate monies, funds, and accounts held by the Trustee hereunder in one currency (or unit thereof) from any monies, funds or accounts in any other currencies (or units thereof), notwithstanding any provision herein which would otherwise permit the Trustee to commingle such amounts.

16

SECTION 114. Payment to be in Proper Currency.

The following provisions of this Section 114 shall apply to the extent permitted by applicable law: In the case of any Security payable in any particular currency or currency unit (the "Required Currency"), except as otherwise provided herein, therein or in or pursuant to the related Board Resolution or supplemental indenture or as contemplated by Section 301, the obligation of the Company to make any payment of principal, premium or interest thereon shall not be discharged or satisfied by any tender by the Company, or recovery by the Trustee, in any currency or currency unit other than the Required Currency, except to the extent that such tender or recovery shall result in the Trustee timely holding the full amount of the Required Currency then due and payable. If any such tender or recovery is made in other than the Required Currency, the Trustee may, but shall not be obligated to, take such actions as it considers appropriate to exchange such other currency or currency unit for the Required Currency. The costs and risks of any such exchange, including without limitation the risks of delay and exchange rate fluctuation, shall be borne by the Company, the Company shall remain fully liable for any shortfall or delinquency in the full amount of the Required Currency then due and payable and in no circumstances shall the Trustee be liable therefor. The Company hereby waives any defense of payment based upon any such tender or recovery which is not in the Required Currency, or which, when exchanged for the Required Currency by the Trustee, is less than the full amount of Required Currency then due and payable.

SECTION 115. Language of Notices.

Any request, demand, authorization, direction, notice, consent, election or waiver required or permitted under this Indenture shall be in the English language, except that, if the Company so elects, any published notice may be in an official language of the country of publication.

SECTION 116. Legal Holidays.

In any case where any Interest Payment Date, Stated Maturity or Maturity of any Security shall be a Legal Holiday at any Place of Payment, then (notwithstanding any other provision of this Indenture, any Security or any Coupon other than a provision in this Indenture, any Security or Coupon that specifically states that such provision shall apply in lieu of this Section) payment need not be made at such Place of Payment on such date, but may be made on the next succeeding day that is a Business Day at such Place of Payment with the same force and effect as if made on the Interest Payment Date or at the Stated Maturity or Maturity, and no interest shall accrue on the amount payable on such date or at such time for the period from and after such Interest Payment Date or Stated Maturity or Maturity, as the case may be.

ARTICLE TWO

SECURITY FORMS

SECTION 201. Forms Generally.

The Securities of each series and the Coupons, if any, to be attached thereto shall be in substantially such form as shall be established by or pursuant to a Board Resolution or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture or indenture supplemental hereto, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon as may be required to comply with the rules of any securities exchange or as may, consistently herewith, be determined by the officers executing such Securities and Coupons, if any, as evidenced by their execution of the Securities and Coupons, if any. If temporary Securities of any series are issued in global form as permitted by Section 304, the form thereof also shall be established as provided in the preceding sentence. If the forms of Securities and Coupons, if any, of any series are established by, or by action taken pursuant to, a Board Resolution, a copy of the Board Resolution together with an appropriate record

of any such action taken pursuant thereto, including a copy of the approved form of Securities or Coupons, if any, shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Securities.

The Trustee's certificates of authentication shall be in substantially the form set forth in Section 202.

Unless otherwise provided in or pursuant to this Indenture, the Securities shall be issuable in registered form without Coupons and shall not be issuable upon the exercise of warrants.

The definitive Securities and Coupons, if any, shall be printed, lithographed or engraved on steel engraved borders or may be produced in any other manner, all as determined by the officers executing such Securities and Coupons, if any, as evidenced by their execution of such Securities and Coupons, if any.

SECTION 202. Form of Trustee's Certificate of Authentication.

Subject to Section 610, the Trustee's certificate of authentication shall be in substantially the following form:

18

This is one of the Securities of the series designated herein referred to in the within-mentioned Indenture.

BANK ONE TRUST COMPANY, NA
as Trustee

By

Authorized Signatory

SECTION 203. Securities in Global Form.

If Securities of a series are issuable in whole or in part in global form, any such Security may provide that it shall represent the aggregate or specified amount of Outstanding Securities from time to time endorsed thereon and may also provide that the aggregate amount of Outstanding Securities represented thereby may from time to time be reduced to reflect exchanges. Any endorsement of a Security in global form to reflect the amount, or any increase or decrease in the amount or changes in the rights of Holders of Outstanding Securities represented thereby, shall be made in such manner and by such Person or Persons as shall be specified therein or in the Company Order to be delivered pursuant to Section 303 or 304 with respect thereto. Subject to the provisions of Section 303 and, if applicable, Section 304, the Trustee shall deliver and redeliver any Security in permanent global form in the manner and upon instructions given by the Person or Persons specified therein or in the applicable Company Order. If a Company Order pursuant to Section 303 or 304 has been, or simultaneously is, delivered, any instructions by the Company with respect to a Security in global form shall be in writing but need not be accompanied by or contained in an Officers' Certificate and need not be accompanied by an Opinion of Counsel. Any instructions by the Company with respect to a Security in global form shall be in writing but need not comply with Section 314(e) of the Trust Indenture Act.

ARTICLE THREE

THE SECURITIES

SECTION 301. Amount Unlimited; Issuable in Series.

The aggregate principal amount of Securities which may be authenticated and delivered under this Indenture is unlimited.

The Securities may be issued in one or more series. There shall be established in or pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental

hereto, prior to the issuance of Securities of any series,

(1) the title of the Securities of the series (which shall distinguish the Securities of the series from all other Securities);

19

(2) any limit upon the aggregate principal amount of the Securities of the series which may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of such series pursuant to Section 304, 305, 306, 309, 403, 906, 1106, 1107 or 1203);

(3) the date or dates, or the method, if any, by which such date or dates shall be determined, on which the principal (and premium, if any) of the Securities of the series is payable;

(4) the rate or rates at which the Securities of the series shall bear interest, if any, or the method, if any, by which such rate or rates are to be determined, the date or dates from which such interest shall accrue, or the method, if any, by which such date or dates shall be determined, the Interest Payment Dates, if any, on which such interest shall be payable and the Regular Record Date, if any, for the interest payable on any Interest Payment Date, whether and under what circumstances Additional Amounts on such Securities or any of them shall be payable, and the basis upon which interest shall be calculated if other than that of a 360-day year of twelve 30-day months;

(5) the Person to whom any interest on any Registered Securities of the series shall be payable if other than the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest and the manner in which, or the Person to whom, any interest on any Bearer Securities of the series shall be payable if otherwise than upon presentation and surrender of the coupons appertaining thereto as they severally mature;

(6) if in addition to or other than in Chicago, Illinois, the place or places where the principal of (and premium, if any) and interest on or any Additional Amounts with respect to the Securities of the series shall be payable;

(7) whether any of such Securities are to be redeemable at the option of the Company and, if so, the period or periods within which or the date or dates on which, the price or prices at which and the terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Company;

(8) the obligation, if any, or option of the Company to redeem or purchase Securities of the series pursuant to any sinking fund or analogous provisions or at the option of a Holder thereof and the period or periods within which, the price or prices at which and the other terms and conditions upon which Securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation, and any provisions for the remarketing of such Securities so redeemed or purchased;

(9) the denominations in which any of such Securities that are Registered Securities shall be issuable if other than denominations of \$1,000 and any integral multiple thereof, and the denominations in which any of such Securities that are Bearer Securities shall be issuable if other than the denomination of \$5,000;

(10) if other than the principal amount thereof, the portion of the principal amount of Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 502 or the method by which such portion is to be determined;

20

(11) whether Bearer Securities of the series are to be issuable and if so, whether Registered Securities are to be issuable and whether the Bearer Securities are to be issuable with Coupons, without Coupons or both, and any restrictions applicable to the offer, sale or delivery of the Bearer Securities and the terms, if any, upon which Bearer Securities may be exchanged for Registered Securities and vice versa;

(12) the date as of which any Bearer Securities of the series and any temporary global Security representing Outstanding Securities of the series shall be dated if other than the date of original issuance of the first Security of the series to be issued;

(13) if Bearer Securities of the series are to be issuable, whether interest in respect of any portion of a temporary Bearer Security in global form (representing all of the Outstanding Bearer Securities of the series) payable in respect of any Interest Payment Date prior to the exchange, if any, of such temporary Bearer Security for definitive Securities of the series shall be paid to any clearing organization with respect to the portion of such temporary Bearer Security held for its account and, in such event, the terms and conditions (including any certification requirements) upon which any such interest payment received by a clearing organization will be credited to the Persons entitled to interest payable on such Interest Payment Date;

(14) the currency of denomination of the Securities of any series, which may be in Dollars, any Foreign Currency or any composite currency, including but not limited to the ECU, and, if such currency of denomination is a composite currency other than the ECU, the agency or organization, if any, responsible for overseeing such composite currency;

(15) the currency or currencies in which payment of the principal of (and premium, if any) and interest on or any Additional Amounts with respect to the Securities will be made, and the currency or currencies (in addition to Dollars), if any, in which payment of the principal of (and premium, if any) or the interest on Registered Securities, at the election of each of the Holders thereof, may also be payable;

(16) if the amount of payments of principal of (and premium, if any) or, interest on or any Additional Amounts with respect to the Securities of the series may be determined with reference to an index based on a currency or currencies other than that in which the Securities are denominated or designated to be payable, the terms and conditions upon which and the manner in which such amounts shall be determined and paid or payable;

(17) if the payments of principal of (and premium, if any) or the interest on or any Additional Amounts with respect to the Securities of the series are to be made in a Foreign Currency other than the Foreign Currency in which such Securities are denominated, the manner in which the exchange rate with respect to such payments shall be determined;

(18) any deletions from, modifications of or additions to the Events of Default set forth in Section 501 or covenants of the Company set forth in Article Ten pertaining to the Securities of the series;

21

(19) the form of the Securities and Coupons, if any, of the series;

(20) whether the Securities of such series shall be issued in whole or in part in global form, including Book-Entry Securities, and the Depositary for such global Securities and, if so, (i) whether beneficial owners of interests in any such global Security may exchange such interest for Securities of the same series and of like tenor and of any authorized form and denomination, and the circumstances under which any such exchanges may occur, if other than in the manner specified in Section 305, and (ii) the name of the Depositary or the U.S. Depositary, as the case may be, with respect to any global Security;

(21) the application, if any, of Section 403;

(22) if any of such Securities are to be issuable upon the

exercise of warrants, this shall be so established and (if established by Board Resolution) so set forth, as well as the time, manner and place for such Securities to be authenticated and delivered;

(23) if any of such Securities are to be issuable in global form and are to be issuable in definitive form (whether upon original issue or upon exchange of a temporary Security) only upon receipt of certain certificates or other documents or satisfaction of other conditions, then the form and terms of such certificates, documents or conditions;

(24) if there is more than one Trustee, the identity of the Trustee and, if not the Trustee, the identity of each Security Registrar, Paying Agent or Authenticating Agent with respect to such Securities; and

(25) any other terms of the series of Securities (which terms shall not be inconsistent with the provisions of this Indenture).

All Securities (including Coupons, if any) of any one series shall be substantially identical except as to Currency of payments due thereunder, denomination and the rate or rates of interest, if any, the method or methods, if any, by which such rate or rates are to be determined and Maturity, the date from which interest, if any, shall accrue and except as may otherwise be provided in or pursuant to such Board Resolution and set forth in such Officers' Certificate or in any such indenture supplemental hereto. All Securities of any one series need not be issued at the same time and, unless otherwise so provided by the Company, a series may be reopened for issuances of additional Securities of such series or to establish additional terms of such series of Securities.

If any of the terms of the series of Securities are established by action taken pursuant to a Board Resolution, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate setting forth the terms of the series.

SECTION 302. Currency; Denominations.

Unless otherwise provided in or pursuant to this Indenture, the principal of, any premium and interest on and any Additional Amounts with respect to the Securities shall be payable in Dollars. The Securities of each series shall be issuable in such denominations as shall be specified as contemplated by Section 301. In the absence of any such provisions with respect to the Securities of any series, the Securities of such series shall be issuable in denominations of \$1,000, if Registered Securities, in denominations of \$5,000, if Bearer Securities, and, in the case of Registered Securities, any integral multiple of the applicable denomination.

SECTION 303. Execution, Authentication, Delivery and Dating.

The Securities shall be executed on behalf of the Company by its Chairman of the Board, one of its Vice Chairmen, its President or one of its Vice Presidents, under its corporate seal reproduced thereon attested by the signature of its Secretary or one of its Assistant Secretaries or its Treasurer or one of its Assistant Treasurers. The Coupons, if any, shall be executed on behalf of the Company by its Chairman of the Board, its President or one of its Vice Presidents attested by its Secretary or any Assistant Secretary or its Treasurer or one of its Assistant Treasurers. The signature of any of these officers on the Securities (and Coupons, if any) may be manual or facsimile.

Securities (and Coupons, if any) bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Securities (and Coupons, if any) or did not hold such offices at the date of such Securities (and Coupons, if any).

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities (with or without

Coupons) of any series executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Securities, and the Trustee in accordance with the Company Order shall authenticate and deliver such Securities. In authenticating such Securities, and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall be entitled to receive, and, subject to Sections 315(a) through 315(d) of the Trust Indenture Act, shall be fully protected in relying upon,

(i) an Opinion of Counsel stating to the effect that:

(a) the form or forms of such Securities and Coupons, if any, have been established in conformity with the provisions of this Indenture;

(b) the terms of such Securities and Coupons, if any, have been established in conformity with the provisions of this Indenture;

(c) the terms of the Securities and Coupons, if any, have been established in accordance with the terms of this Indenture and all conditions precedent provided for in the Indenture

23

relating to the Trustee's authentication and delivery of the Securities and Coupons, if any, will have been complied with; and

(d) as to such other matters as the Trustee may reasonably request; and

(ii) an Officers' Certificate stating that, all conditions precedent to the authentication and delivery of such Securities and Coupons, if any, appertaining thereto, have been complied with and to the best knowledge of the Persons executing such certificate, no event which is, or after notice or lapse of time would become, an Event of Default with respect to any of the Securities shall have occurred and be continuing.

The Trustee shall have the right to decline to authenticate and deliver such Securities if the Trustee, being advised by counsel, determines that such action may not lawfully be taken or if the Trustee in good faith by its board of directors or trustees, executive committee, or a trust committee of directors or trustees and/or Responsible Officers shall determine that such action would expose the Trustee to personal liability to existing Holders or would adversely affect the Trustee's own rights, duties or immunities under this Indenture or otherwise.

The Trustee shall not be required to authenticate Securities denominated in a coin or currency (or unit including a coin or currency) other than that of the United States of America if the Trustee reasonably determines that such Securities impose duties or obligations on the Trustee which the Trustee is not able or reasonably willing to accept; provided that the Trustee, upon a Company Request, will resign as Trustee with respect to Securities of any series as to which such a determination is made, prior to the issuance of such Securities, and will comply with the request of the Company to execute and deliver a supplemental indenture appointing a successor Trustee pursuant to Section 901.

If all the Securities of any series are not to be issued at one time, it shall not be necessary to deliver an Opinion of Counsel and an Officers' Certificate at the time of issuance of each Security, but such opinion and certificate, with appropriate modifications, shall be delivered at or before the time of issuance of the first Security of such series.

If the Company shall establish pursuant to Section 301 that the Securities of a series are to be issued in whole or in part in global form, then the Company shall execute and the Trustee shall, in accordance with this Section and the Company Order with respect to such series, authenticate and deliver one or more Securities in global form that (i) shall represent and shall be denominated in an amount equal to the aggregate principal amount of the Outstanding Securities of such series to be represented by such global Security or Securities, (ii) shall be registered, if in registered form, in the name of the Depositary for such Book-Entry Security or Securities or the nominee of such

Depository, (iii) shall be delivered by the Trustee to such Depository or pursuant to such Depository's instruction and (iv) where such Depository is The Depository Trust Company, shall bear a legend substantially to the following effect: "Unless and until it is exchanged in whole or in part for Securities in certificated form, this Security may not be transferred except as a whole by the Depository to a nominee of the Depository or by a nominee of the Depository to the Depository or another nominee of the Depository or by the Depository or any such nominee to a successor Depository or a nominee of such successor Depository" or to such other effect as the Depository and the Trustee may agree.

24

Each Depository designated pursuant to Section 301 for a Book-Entry Security in registered form must, at the time of its designation and at all times while it serves as Depository, be a clearing agency registered under the Securities Exchange Act of 1934 and any other applicable statute or regulation. The Trustee shall have no responsibility to determine if the Depository is so registered. Each Depository shall enter into an agreement with the Trustee governing their respective duties and rights with regard to Book-Entry Securities.

Each Security shall be dated the date of its authentication, except that each Bearer Security, including any Bearer Security in global form, shall be dated as of the date specified or contemplated by Section 301.

No Security or Coupon appertaining thereto shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose unless there appears on such Security a certificate of authentication substantially in the form provided for herein duly executed by the Trustee by manual signature of one of its authorized signatories, and such certificate upon any Security shall be conclusive evidence, and the only evidence, that such Security has been duly authenticated and delivered hereunder and is entitled to the benefits of this Indenture. Except as permitted by Section 306 or 307, the Trustee shall not authenticate and deliver any Bearer Security unless all appurtenant Coupons then matured have been detached and cancelled.

SECTION 304. Temporary Securities.

Pending the preparation of definitive Securities of any series, the Company may execute, and upon receipt of a Company Order the Trustee shall authenticate and deliver, temporary Securities which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any authorized denomination, substantially of the tenor and form, with or without Coupons of the definitive Securities in lieu of which they are issued and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Securities may determine, as conclusively evidenced by their execution of such Securities and Coupons, if any. Such temporary Securities may be in global form.

Except in the case of temporary Securities in global form, each of which shall be exchanged in accordance with the provisions thereof, if temporary Securities of any series are issued, the Company will cause definitive Securities of such series to be prepared without unreasonable delay. After the preparation of definitive Securities of the same series and containing terms and provisions that are identical to those of any temporary Securities, the temporary Securities of such series shall be exchangeable for definitive Securities of such series upon surrender of the temporary Securities of such series at the office or agency of the Company pursuant to Section 1002 in a Place of Payment for such series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Securities of any series (accompanied by any unmatured Coupons appertaining thereto), the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a like principal amount of definitive Securities of the same series of authorized denominations and of like tenor; provided, however, that no definitive Bearer Security shall be delivered in exchange for a temporary Registered Security; and provided, further, that no definitive Bearer Security shall be delivered in exchange for a temporary Bearer Security unless the Trustee shall have received from the person entitled to receive the definitive Bearer Security a certificate substantially in the form approved in the Board Resolutions relating thereto and

such delivery shall occur only outside the United States. Until so exchanged, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of such series except as otherwise specified as contemplated by Section 301 with respect to the payment of interest on Bearer Securities in temporary form.

SECTION 305. Registration, Registration of Transfer and Exchange.

The Company shall cause to be kept at the Corporate Trust Office of the Trustee a register (the register maintained in such office and in any other office or agency of the Company maintained pursuant to Section 1002 in a Place of Payment being herein sometimes collectively referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Registered Securities and of transfers of Registered Securities. The Trustee is hereby appointed "Security Registrar" for the purpose of registering Registered Securities and transfers of Registered Securities as herein provided. In the event that the Trustee shall not be the Security Registrar, it shall have the right to examine the Security Register at all reasonable times. In the event that the Trustee shall cease to be Security Registrar with respect to a series of Securities, it shall have the right to examine the Security Register for such series at all reasonable times.

Upon surrender for registration of transfer of any Registered Security of any series at the office or agency maintained pursuant to Section 1002 in a Place of Payment for that series, the Company shall execute, and the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Registered Securities of the same series, of any authorized denominations and of a like aggregate principal amount bearing a number not contemporaneously outstanding and containing identical terms and provisions.

At the option of the Holder, Registered Securities of any series (except a Book-Entry Security representing all or a portion of the Securities of such series) may be exchanged for other Registered Securities of the same series, of any authorized denominations and of a like aggregate principal amount, upon surrender of the Registered Securities to be exchanged at such office or agency. Registered Securities may not be exchanged for Bearer Securities. Whenever any Registered Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Registered Securities which the Holder making the exchange is entitled to receive.

At the option of the Holder, Bearer Securities of any series may be exchanged for Registered Securities (if the Securities of such series are issuable in registered form) or Bearer Securities (if Bearer Securities of such series are issuable in more than one denomination and such exchanges are permitted by such series) of the same series, of any authorized denominations and of like tenor and aggregate principal amount, upon surrender of the Bearer Securities to be exchanged at any such office or agency, with all unmatured coupons and all matured Coupons in default thereto appertaining. If the Holder of a Bearer Security is unable to produce any such unmatured Coupon or Coupons or matured Coupon or Coupons in default, such exchange may be effected if the Bearer Securities are accompanied by payment in funds acceptable to the Company and the Trustee in an amount equal to the face amount of such missing Coupon or Coupons, or the surrender of such missing Coupon or Coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent

harmless. If thereafter the Holder of such Security shall surrender to any Paying Agent any such missing Coupon in respect of which such a payment shall have been made, such Holder shall be entitled to receive the amount of such payment; provided, however, that, except as otherwise provided in Section 1002, interest represented by Coupons shall be payable only upon presentation and

surrender of those Coupons at an office or agency located outside the United States. Notwithstanding the foregoing, in case a Bearer Security of any series is surrendered at any such office or agency in exchange for a Registered Security of the same series after the close of business at such office or agency on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and before the opening of business at such office or agency on the related date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the Coupon relating to such Interest Payment Date or proposed date of payment, as the case may be (or, if such Coupon is so surrendered with such Bearer Security, such Coupon shall be returned to the person so surrendering the Bearer Security), and interest or Defaulted Interest, as the case may be, shall not be payable on such Interest Payment Date or proposed date for payment, as the case may be, in respect of the Registered Security issued in exchange for such Bearer Security, but shall be payable only to the Holder of such Coupon when due in accordance with the provisions of this Indenture.

Notwithstanding any other provision of this Section, unless and until it is exchanged in whole or in part for Securities in certificated form, a Security in global form representing all or a portion of the Securities of a series may not be transferred except as a whole by the Depositary for such series to a nominee of such Depositary or by a nominee of such Depositary to such Depositary or another nominee of such Depositary or by such Depositary or any such nominee to a successor Depositary for such series or a nominee of such successor Depositary.

If at any time the Depositary for the Securities of a series notifies the Company that it is unwilling or unable to continue as Depositary for the Securities of such series or if at any time the Depositary for the Securities of such series shall no longer be eligible under Section 303, the Company shall appoint a successor Depositary with respect to the Securities of such series. If a successor Depositary for the Securities of such series is not appointed by the Company within 90 days after the issuer receives such notice or becomes aware of such ineligibility, the Company's election pursuant to Section 301(20) shall no longer be effective with respect to the Securities of such series and the Company shall execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of certificated Securities of such series of like tenor, shall authenticate and deliver Securities of such series in certificated form in an aggregate principal amount equal to the principal amount of the Security or Securities in global form representing such series in exchange for such Security or Securities in global form.

The Company may at any time and in its sole discretion determine that the Securities of any series issued in the form of one or more global Securities shall no longer be represented by such global Security or Securities. In such event the Company shall execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of certificated Securities of such series of like tenor, shall authenticate and deliver, Securities of such series in certificated form and in an aggregate principal amount equal to the principal amount of the Security or Securities in global form representing such series in exchange for such Security or Securities in global form.

27

If specified by the Company pursuant to Section 301 with respect to a series of Securities, the Depositary for such series of Securities may surrender a global Security of such series in exchange in whole or in part for Securities of such series in certificated form on such terms as are acceptable to the Company and such Depositary. Thereupon, the Company shall execute, and the Trustee shall authenticate and deliver, without service charge,

(i) to each Person specified by such Depositary a new certificated Security or Securities of the same series of like tenor, of any authorized denomination as requested by such Person in aggregate principal amount equal to and in exchange for such Person's beneficial interest in the global Security; and

(ii) to such Depositary a new global security of like tenor in a denomination equal to the difference, if any,

between the principal amount of the surrendered global Security and the aggregate principal amount of certificated Securities delivered to Holders thereof.

In any exchange provided for in any of the preceding three paragraphs, the Company shall execute and the Trustee shall authenticate and deliver Securities in certificated form in authorized denominations.

Upon the exchange of a global Security for Securities in certificated form, such global Security shall be cancelled by the Trustee. Unless expressly provided with respect to the Securities of any series that such Security may be exchanged for Bearer Securities, Securities issued in exchange for a Book-Entry Security pursuant to this Section shall be registered in such names and in such authorized denominations as the Depositary for such Book-Entry Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the Persons in whose names such Securities are so registered.

Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Securities which the Holder making the exchange is entitled to receive.

All Securities issued upon any registration of transfer or exchange of Securities shall be the valid obligations of the Company, evidencing the same debt, and entitling the Holders thereof to the same benefits under this Indenture, as the Securities surrendered upon such registration of transfer or exchange.

Every Registered Security presented or surrendered for registration of transfer or for exchange or redemption shall (if so required by the Company or the Security Registrar) be duly endorsed, or be accompanied by a written instrument of transfer in form satisfactory to the Company and the Security Registrar duly executed, by the Holder thereof or his attorney duly authorized in writing.

No service charge shall be made for any registration of transfer or exchange or redemption of Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer or

exchange of Securities, other than exchanges pursuant to Section 304, 906 or 1107 not involving any transfer.

Except as otherwise provided in or pursuant to this Indenture, the Company shall not be required (i) to issue, register the transfer of or exchange Securities of any series for a period of 15 days before the selection of any Securities of that series for redemption, or (ii) to register the transfer of or exchange any Registered Security so selected for redemption in whole or in part, except the unredeemed portion of any Security being redeemed in part, or (iii) to exchange any Bearer Security so selected for redemption except that such a Bearer Security may be exchanged for a Registered Security of that series and like tenor, provided that such Registered Security shall be simultaneously surrendered for redemption with written instruction for payment consistent with the provisions of this Indenture or (iv) to issue, register the transfer of or exchange any Security which, in accordance with its terms, has been surrendered for repayment at the option of the Holder, except the portion, if any, of such Security not to be so repaid.

SECTION 306. Mutilated, Destroyed, Lost and Stolen Securities.

If any mutilated Security or Security with a mutilated Coupon appertaining to it is surrendered to the Trustee, the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a new Security with Coupons corresponding to the Coupons, if any, appertaining to the surrendered Security of the same series and of like tenor and principal amount and bearing a number not contemporaneously outstanding with Coupons corresponding to the Coupons, if any, appertaining to the surrendered Security.

If there shall be delivered to the Company and the Trustee (i)

evidence to their satisfaction of the destruction, loss or theft of any Security or Security with a destroyed, lost or stolen Coupon and (ii) such security or indemnity as may be required by them to save each of them and any agent of either of them harmless, then, in the absence of notice to the Company or the Trustee that such Security or Coupon has been acquired by a bona fide purchaser, the Company shall execute and upon its request the Trustee shall authenticate and deliver, in lieu of any such destroyed, lost or stolen Security a new Security of the same series and of like tenor and principal amount and bearing a number not contemporaneously outstanding with Coupons corresponding to the Coupons, if any, appertaining to the destroyed, lost or stolen Security.

Notwithstanding the foregoing provisions of this Section 306, in case any such mutilated, destroyed, lost or stolen Security or Coupon has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Security or Coupon, pay such Security or Coupon; provided, however, that payment of principal of and any premium or interest on or any Additional Amounts with respect to any Bearer Securities shall, except as otherwise provided in Section 1002, be payable only at an office or agency located outside the United States and, unless otherwise specified as contemplated by Section 301, any interest on Bearer Securities and any Additional Amounts with respect to such interest shall be payable only upon presentation and surrender of the Coupons appertaining thereto.

Upon the issuance of any new Security under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in

29

relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

Every new Security of any series with its Coupons, if any, issued pursuant to this Section in lieu of any destroyed, lost or stolen Security, or in exchange for a Security to which a destroyed, lost or stolen Coupon appertains, shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Security and its Coupons, if any, or the destroyed, lost or stolen Coupon, shall be at any time enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of that series and their Coupons, if any, duly issued hereunder.

The provisions of this Section, as amended or supplemented pursuant to this Indenture with respect to particular Securities or generally, are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities or Coupons.

SECTION 307. Payment of Interest and Certain Additional Amounts; Rights to Interest and Certain Additional Amounts Preserved.

Unless otherwise provided as contemplated by Section 301, interest on and any Additional Amounts with respect to any Registered Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest. Unless otherwise provided in or pursuant to this Indenture, in case a Bearer Security is surrendered in exchange for a Registered Security after the close of business (at an Office or Agency for such Security) on any Regular Record Date therefor and before the opening of business (at such Office or Agency) on the next succeeding Interest Payment Date therefore, such Bearer Security shall be surrendered without the Coupon relating to such Interest Payment Date and interest shall not be payable on such Interest Payment Date in respect of the Registered Security issued in exchange for such Bearer Security, but shall be payable only to the Holder of such Coupon when due in accordance with the provisions of this Indenture.

Any interest on and any Additional Amounts with respect to any Registered Security of any series which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called "Defaulted Interest") shall forthwith cease to be payable to the Holder on the relevant

Regular Record Date by virtue of having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in Clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Registered Security of such series and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of Money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall

30

make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such Money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as is provided in this Clause (1). Thereupon the Trustee shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to each Holder of Registered Securities of such Series at his address as it appears in the Security Register, not less than 10 days prior to such Special Record Date. The Trustee may, in its discretion, in the name and at the expense of the Company, cause a similar notice to be published at least once in an Authorized Newspaper of general circulation in the Borough of Manhattan, The City of New York, but such publication shall not be a condition precedent to the establishment of such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been so mailed, such Defaulted Interest shall be paid to the Persons in whose names the Securities of such series (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following Clause (2). In case a Bearer Security is surrendered at the Office or Agency for such Security in exchange for a Registered Security after the close of business at such Office or Agency on any Special Record Date and before the opening of business at such Office or Agency on the related proposed date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the Coupon relating to such proposed date of payment and Defaulted Interest shall not be payable on such proposed date of payment in respect of the Registered Security issued in exchange for such Bearer Security, but shall be payable only to the Holder of such Coupon when due in accordance with the provisions of this Indenture.

(2) The Company may make payment of any Defaulted Interest on the Securities of any series in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this Clause, such manner of payment shall be deemed practicable by the Trustee.

At the option of the Company, interest on Registered Securities of any series that bear interest may be paid (i) by mailing a check to the address of the Person entitled thereto as such address shall appear in the Security Register or (ii) by wire transfer to an account maintained by the person entitled thereto as specified in the applicable Security Register.

Notwithstanding the above, except as otherwise specified with respect to a series of Securities in accordance with the provisions of Section 301, a Holder of \$10,000,000 or more in aggregate principal amount of Securities of the same series having the same Interest Payment Date shall, upon written request received by the Trustee prior to the Regular Record Date in respect of an interest payment, or the date which is 15 days before the Stated Maturity or date of redemption of the principal of (and premium, if any, on) the Securities, as the case may be, be entitled to receive payments of principal of (and

premium, if any) and interest by wire transfer to an account maintained by such Holder with a bank located in the United States; provided, however, that no payment of principal (and premium, if any) will be made without prior presentment and surrender of the Securities.

31

Subject to the foregoing provisions of this Section, each Security or Coupon, if any, delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Security or Coupon, if any, shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Security or Coupon.

SECTION 308. Persons Deemed Owners.

Prior to due presentment of a Registered Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name such Registered Security is registered as the owner of such Registered Security for the purpose of receiving payment of principal of (and premium, if any) and (subject to Section 307) interest on, and any Additional Amounts with respect to, such Registered Security and for all other purposes whatsoever, whether or not such Registered Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

No holder of any beneficial interest in any global Security held on its behalf by the Depository shall have any rights under this Indenture with respect to such global Security, and such Depository may be treated by the Company, the Trustee, and any agent of the Company or the Trustee as the owner of such global Security for all purposes whatsoever. None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interest of a global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interest.

The Company, the Trustee and any agent of the Company or the Trustee may treat the bearer of any Bearer Security and the bearer of any Coupon as the absolute owner of such Bearer Security or Coupon for the purpose of receiving payment thereof or on account thereof and for all other purposes whatsoever, whether or not such Bearer Security or Coupon be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

No holder of any beneficial interest in any global Security held on its behalf by the Depository shall have any rights under this Indenture with respect to such global Security, and such Depository may be treated by the Company, the Trustee, and any agent of the Company or the Trustee as the owner of such global Security for all purposes whatsoever. None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interest of a global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interest.

SECTION 309. Cancellation.

All Securities and Coupons surrendered for payment, redemption, registration of transfer or exchange or for credit against any sinking fund payment shall, if surrendered to any Person other than the Trustee, be delivered to the Trustee and shall be promptly cancelled by it. The Company may at any time deliver to the Trustee for cancellation any Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and all Securities and

32

Coupons so delivered shall be promptly cancelled by the Trustee. No Securities or Coupons shall be authenticated in lieu of or in exchange for any Securities or Coupons cancelled as provided in this Section, except as expressly permitted by this Indenture. All cancelled Securities and Coupons held by the Trustee shall be destroyed by the Trustee, unless by a Company Order the Company directs their return to it, and a certificate evidencing such destruction shall be delivered to the Company.

SECTION 310. Computation of Interest.

Except as otherwise specified as contemplated by Section 301 for Securities of any series, interest on the Securities of each series shall be computed on the basis of a 360-day year of twelve 30-day months.

ARTICLE FOUR

SATISFACTION, DISCHARGE AND DEFEASANCE

SECTION 401. Satisfaction and Discharge of Indenture.

This Indenture shall upon Company Request cease to be of further effect with respect to Securities of any series (except as to any surviving rights of registration of transfer or exchange of Securities of such series and replacement of lost, stolen or mutilated Securities of such series herein expressly provided for) and any Coupons appertaining thereto, and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture with respect to such series, when

(1) either

(A) all Securities of such series theretofore authenticated and delivered and all Coupons appertaining thereto (other than (i) Coupons appertaining to Bearer Securities of such series surrendered in exchange for Registered Securities and maturing after such exchange, surrender of which is not required or has been waived as provided in Section 305, (ii) Securities of such series and Coupons which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 306, (iii) Coupons appertaining to Bearer Securities of such series called for redemption and maturing after the relevant Redemption Date, surrender of which has been waived as provided in Section 1106 and (iv) Securities of such series and Coupons for whose payment Money has theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee for cancellation; or

(B) all such Securities and Coupons of such series not theretofore delivered to the Trustee for cancellation

(i) have become due and payable, or

33

(ii) will become due and payable at their Stated Maturity within one year, or

(iii) if redeemable at the option of the Company, are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company,

and the Company, in the case of (i), (ii) or (iii) above, has deposited or caused to be deposited with the Trustee as trust funds in trust for the purpose

an amount sufficient to pay and discharge the entire indebtedness on such Securities and Coupons of such series not theretofore delivered to the Trustee for cancellation, for principal of (and premium, if any) and interest on, and any Additional Amounts with respect to such Securities and Coupons to the date of such deposit (in the case of Securities and Coupons of such series which have become due and payable) or to the Stated Maturity or Redemption Date, as the case may be;

(2) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture have been complied with.

In the event there are Securities of two or more series hereunder, the Trustee shall be required to execute an instrument acknowledging satisfaction and discharge of this Indenture only if requested to do so with respect to Securities of such series as to which it is Trustee and if the other conditions thereto are met.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 605 and, if Money shall have been deposited with the Trustee pursuant to subclause (B) of clause (1) of this Section, the obligations of the Trustee under Section 402 and the last paragraph of Section 1003, shall survive.

SECTION 402. Application of Trust Money.

Subject to the provisions of the last paragraph of Section 1003, all Money and Government Obligations deposited with the Trustee pursuant to Sections 401 and 403 shall be held in trust and applied by it, in accordance with the provisions of the Securities and Coupons, if any, and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Persons entitled thereto, of the principal (and premium, if any), interest and Additional Amounts for whose payment such Money and Government Obligations have been deposited with or received by the Trustee; but such Money and Government Obligations need not be segregated from other funds except to the extent required by law.

34

SECTION 403. Satisfaction, Discharge and Defeasance of Securities of Any Series.

If this Section is specified, as contemplated by Section 301, to be applicable to Securities and Coupons, if any, of any series, at the Company's option, either

(a) the Company will be deemed to have been Discharged (as defined below) from its obligations with respect to Securities and Coupons, if any, of such series or

(b) the Company will cease to be under any obligation to comply with any term, provision or condition set forth in (i) Article Eight and Section 1006 or (ii) the terms, provisions or conditions of such series specified pursuant to Section 301 (provided, however, that the Company may not cease to comply with any obligations as to which it may not be Discharged pursuant to the definition of "Discharged"), if, in the case of (a) and (b), with respect to the Securities and Coupons, if any, of such series on the 91st day after the applicable conditions set forth below in (x) and either (y) or (z) have been satisfied:

(x) (1) the Company has paid or caused to be paid all other sums payable with respect to the Outstanding Securities and Coupons, if any, of such series (in addition to any required under (y) or (z)); and

(2) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each

stating that all conditions precedent herein provided for relating to the satisfaction and discharge of the entire indebtedness on all Outstanding Securities and Coupons, if any, of any such series have been complied with;

(y) (1) the Company shall have deposited or caused to be deposited irrevocably with the Trustee as a trust fund specifically pledged as security for, and dedicated solely to, the benefit of the Holders of the Securities and Coupons, if any, of such series (i) an amount (in such currency or currency unit in which the Outstanding Securities and Coupons, if any, of such series are payable) or (ii) U.S. Government Obligations (as defined below) or, in the case of Securities and Coupons, if any, denominated in a Foreign Currency, Foreign Government Securities (as defined below) denominated in such Foreign Currency, which through the payment of interest and principal in respect thereof in accordance with their terms will provide, not later than the due date of any payment of principal (including any premium), and interest, if any, under the Securities and Coupons, if any, of such series, Money in an amount or (iii) a combination of (i) and (ii) sufficient (in the opinion with respect to (ii) and (iii) of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee) to pay and discharge each installment of principal of (including any premium), and interest, if any, on, and any Additional Amounts with respect to the Outstanding Securities and Coupons, if any, of such series on the dates such installments of interest or principal are due;

(2) (i) no Event of Default or event (including such deposit) which with notice or lapse of time or both would become an Event of Default shall have occurred

35

and be continuing on the date of such deposit, (ii) no Event of Default as defined in clause (6) or (7) of Section 501, or event which with notice or lapse of time or both would become an Event of Default under either such clause, shall have occurred within 90 days after the date of such deposit and (iii) such deposit and the related intended consequence under (a) or (b) will not result in any default or event of default under any material indenture, agreement or other instrument binding upon the Company or any Subsidiary or any of their properties; and

(3) the Company shall have delivered to the Trustee

(A) an Opinion of Counsel to the effect that Holders of the Securities and Coupons, if any, of such series will not recognize income, gain or loss for Federal income tax purposes as a result of the Company's exercise of its option under this Section 403 and will be subject to Federal income tax in the same amount, in the same manner and at the same times as would have been the case if such option had not been exercised; and

(B) if the Securities of such series are then listed on any exchange, an Opinion of Counsel that the Securities of such series shall not be delisted as a result of the exercise of this option;

(z) the Company has properly fulfilled such other means of satisfaction and discharge as is specified, as contemplated by Section 301, to be applicable to the Securities and Coupons, if any, of such series.

Any deposits with the Trustee referred to in clause (y) (1) above shall be irrevocable and shall be made under the terms of an escrow trust agreement in form and substance satisfactory to the Trustee. If any Outstanding Securities and Coupons, if any, of such series are to be redeemed prior to their Stated Maturity, whether pursuant to any mandatory redemption provisions or in accordance with any mandatory sinking fund requirement, the applicable escrow trust agreement will provide therefor and the Company will make such arrangements as are satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company.

"Discharged" means that the Company will be deemed to have paid and discharged the entire indebtedness represented by, and obligations under, the Securities and Coupons, if any, of the series as to which this Section is specified as applicable as aforesaid and to have satisfied all the obligations under this Indenture relating to the Securities and Coupons, if any, of such series (and the Trustee, at the expense of the Company, will execute proper instruments acknowledging the same), except (A) the rights of Holders thereof to receive, from the trust fund described in clause (y) (1) above, payments of the principal of, premium and the interest, if any, on such Securities and Coupons, if any, when such payments are due, (B) the Company's obligations with respect to such Securities and Coupons, if any, under Sections 305 and 306 (insofar as applicable to Securities of such series), 402, 1002 and 1003 (last paragraph only) and the Company's obligations to the Trustee under Sections 605 and 606 and (C) the rights, powers, trusts, duties and immunities of the Trustee hereunder, will survive such discharge. The Company will reimburse the trust fund for any loss suffered by it as a result of any tax, fee or other

36

charge imposed on or assessed against deposited U.S. Government Obligations or Foreign Government Securities, as the case may be, or any principal, premium or interest paid on such Obligations, and, subject to the provisions of Section 605, will indemnify the Trustee against any claims made against the Trustee in connection with any such loss.

"Foreign Government Securities" as used in Section 403 means, with respect to Securities and Coupons, if any, of any series that are denominated in a Foreign Currency, securities that are (i) direct obligations of the government that issued such currency for the payment of which obligations its full faith and credit is pledged or (ii) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of such government (the timely payment of which is unconditionally guaranteed as a full faith and credit obligation of such government) which, in either case under clauses (i) or (ii), are not callable or redeemable at the option of the issuer thereof and will also include a depository receipt issued by a bank or trust company as custodian with respect to any such Foreign Government Obligation or a specified payment of interest on or principal of any such Foreign Government Obligation held by such custodian for the account of the holder of a depository receipt; provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the Foreign Government Obligations or the specific payment of interest on or principal of the Foreign Government Obligation evidenced by such depository receipt.

"U.S. Government Obligations" means securities that are (i) direct obligations of the United States of America for the payment of which its full faith and credit is pledged or (ii) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America the timely payment of which is unconditionally guaranteed as a full faith and credit obligation of the United States of America, which, in either case under clauses (i) or (ii), are not callable or redeemable at the option of the issuer thereof and will also include a depository receipt issued by a bank or trust company as custodian with respect to any such U.S. Government Obligation or a specified payment of interest on or principal of any such U.S. Government Obligation held by such custodian for the account of the holder of a depository receipt; provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligations or the specific payment of interest on or

principal of the U.S. Government Obligation evidenced by such depository receipt.

ARTICLE FIVE

REMEDIES

SECTION 501. Events of Default.

"Event of Default," wherever used herein with respect to Securities of any series, means any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

37

(1) default in the payment of any interest upon or any Additional Amounts payable in respect of any Security of that series when such interest becomes or such Additional Amounts become due and payable, and continuance of such default for a period of 30 days; or

(2) default in the payment of the principal of (or premium, if any, on) any Security of that series at its Maturity; or

(3) default in the deposit of any sinking fund payment, when and as due by the terms of a Security of that series, and continuance of such default for a period of 30 days; or

(4) default in the performance, or breach, of any covenant or warranty of the Company in this Indenture or the Securities of that series (other than a covenant or warranty a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has expressly been included in this Indenture solely for the benefit of series of Securities other than that series), and continuance of such default or breach for a period of 90 days after there has been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of that series a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a "Notice of Default" hereunder; or

(5) if any event of default as defined in any mortgage, indenture or instrument under which there may be issued, or by which there may be secured or evidenced, any indebtedness of the Company for money borrowed, whether such indebtedness now exists or shall hereafter be created, shall happen and shall result in such indebtedness in principal amount in excess of \$10,000,000 becoming or being declared due and payable prior to the date on which it would otherwise become due and payable, and such acceleration shall not be rescinded or annulled, or such indebtedness shall not have been discharged, within a period of 30 days after there shall have been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of such series, a written notice specifying such event of default and requiring the Company to cause such acceleration to be rescinded or annulled or to cause such indebtedness to be discharged and stating that such notice is a "Notice of Default" hereunder; or

(6) the entry by a court having jurisdiction in the premises of (A) a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or (B) a decree or order adjudging the Company a bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company under any applicable Federal or State law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 90 consecutive days, or

(7) the commencement by the Company of a voluntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or of any other case or proceeding to be adjudicated a bankrupt or insolvent, or the consent by it to the entry of a decree

38

or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable Federal or State law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or similar official of the Company or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by the Company in furtherance of any such action; or

(8) any other Event of Default provided with respect to Securities of that series.

SECTION 502. Acceleration of Maturity; Rescission and Annulment.

If an Event of Default with respect to Securities of any series at the time Outstanding occurs and is continuing, then in every such case the Trustee or the Holders of not less than 33 1/3% in principal amount of the Outstanding Securities of that series may declare the principal amount (or, if the Securities of that series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of that series) of all of the Securities of that series to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by Holders), and upon any such declaration such principal amount (or specified amount) shall become immediately due and payable.

At any time after such a declaration of acceleration with respect to Securities of any series has been made and before a judgment or decree for payment of the Money due has been obtained by the Trustee as hereinafter in this Article provided, the Holders of a majority in principal amount of the Outstanding Securities of that series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if:

(1) the Company has paid or deposited with the Trustee a sum sufficient to pay:

(A) all overdue installments of any interest on and Additional Amounts with respect to all Securities of that series and any Coupons appertaining thereto;

(B) the principal of (and premium, if any, on) any Securities of that series which have become due otherwise than by such declaration of acceleration and interest thereon and any Additional Amounts with respect thereto at the rate or rates prescribed therefor in such Securities;

(C) to the extent that payment of such interest or Additional Amounts is lawful, interest upon overdue installments of any interest and Additional Amounts at the rate or rates prescribed therefor in such Securities; and

39

(D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel; and

(2) all Events of Default with respect to Securities of that series, other than the non-payment of the principal of (and premium, if any,) and interest on, and any Additional Amounts with respect to Securities of that series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

SECTION 503. Collection of Indebtedness and Suits for Enforcement by Trustee.

The Company covenants that if:

(1) default is made in the payment of any installment of interest on or any Additional Amounts with respect to any Security or Coupon, if any, when such interest or Additional Amounts become due and payable and such default continues for a period of 30 days; or

(2) default is made in the payment of the principal of (or premium, if any, on) any Security at the Maturity thereof;

the Company will, upon demand of the Trustee, pay to the Trustee, for the benefit of the Holders of such Securities or Coupons, if any, the whole amount of Money then due and payable on such Securities and any Coupons for principal (and premium, if any) and interest and, to the extent that payment of such interest shall be legally enforceable, interest on any overdue principal (and premium, if any) and on any overdue interest and Additional Amounts, at the rate or rates prescribed therefor in such Securities or Coupons, if any, and, in addition thereto, such further amount of Money as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel.

If the Company fails to pay the Money and is required to pay the Trustee pursuant to the preceding paragraph forthwith upon the demand of the Trustee, the Trustee in its own name and as trustee of an express trust, may institute a judicial proceeding for the collection of the Money so due and unpaid and may prosecute such proceeding to judgment or final decree, and may enforce the same against the Company or any other obligor upon such Securities or Coupons, if any, and collect the Money adjudged or decreed to be paid in the manner provided by law out of the property of the Company or any other obligor upon such Securities or Coupons, if any, wherever situated.

If an Event of Default with respect to Securities of any series occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders of Securities of such series or Coupons, if any, by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any

40

covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

SECTION 504. Trustee May File Proofs of Claim.

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceeding relative to the Company or any other obligor upon the Securities or the property of the Company or such other obligor or their creditors, the Trustee (irrespective of whether the principal of the Securities shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of any overdue principal, premium, interest or Additional Amounts) shall be entitled and empowered, by intervention in such proceeding or otherwise,

(i) to file and prove a claim for the whole amount, or such lesser amount as may be provided for in the Securities of such series, of the principal and any premium, interest and Additional Amounts owing and unpaid in respect of the Securities and any Coupons appertaining thereto and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents or counsel) and of the Holders of Securities or any Coupons allowed in such judicial proceeding; and

(ii) to collect and receive any Monies or other property payable or deliverable on any such claims and to distribute the same;

and any custodian, receiver, assignee, trustee, liquidator, sequestrator or other similar official in any such judicial proceeding is hereby authorized by each Holder of Securities or any Coupons to make such payments to the Trustee and, in the event that the Trustee shall consent to the making of such payments directly to the Holders of Securities or any Coupons, to pay to the Trustee any amount due to it for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel and any other amounts due the Trustee under Section 605.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder of a Security or any Coupon any plan of reorganization, arrangement, adjustment or composition affecting the Securities or Coupons or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder of a Security or any Coupon in any such proceeding.

SECTION 505. Trustee May Enforce Claims Without Possession of Securities or Coupons.

All rights of action and claims under this Indenture or any of the Securities or Coupons may be prosecuted and enforced by the Trustee without the possession of any of the Securities or Coupons or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery or judgment shall, after provision for the payment of the reasonable compensation, expense, disbursements and advances of the Trustee, its agents and counsel, and for any other amounts due to the Trustee under

41

Section 605, be for the ratable benefit of the Holders of the Securities or any Coupons in respect of which such judgment has been recovered.

SECTION 506. Application of Money Collected.

Any Money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such Money on account of principal (or premium, if any) or interest or Additional Amounts, upon presentation of the Securities or Coupons, or both, as the case may be, and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

First: To the payment of all amounts due the Trustee and any predecessor Trustee under Section 605; and

Second: To the payment of the amounts then due and unpaid for principal of (and premium, if any), interest and Additional Amounts on the Securities and any Coupons in respect of which or for the benefit of which such Money has been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such Securities and any Coupons for principal (and premium, if any) and interest and Additional Amounts, respectively; and

Third: The balance, if any, to the Person or Persons entitled thereto.

SECTION 507. Limitation on Suits.

No Holder of any Security of any series or any Coupons appertaining thereto shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless

(1) such Holder has previously given written notice to the Trustee of a continuing Event of Default with respect to the Securities of that series;

(2) the Holders of not less than 25% in principal amount of the Outstanding Securities of that series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;

(3) such Holder or Holders have offered to the Trustee reasonable indemnity against the costs, expenses and liabilities to be incurred in compliance with such request;

(4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and

(5) no direction inconsistent with such written request has been given to the Trustee during such 60 day period by the Holders of a majority in principal amount of the Outstanding Securities of that series; it being understood and intended that no one or more of such Holders shall have any right

42

in any manner whatever by virtue of, or by availing of, any provision of this Indenture or any Security to affect, disturb or prejudice the rights of any other of such Holders or Holders of Securities of any other series, or to obtain or to seek to obtain priority or preference over any other of such Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all of such Holders.

SECTION 508. Unconditional Right of Holders to Receive Principal and any Premium, Interest and Additional Amounts.

Notwithstanding any other provision in this Indenture, the Holder of any Security or Coupon shall have the right, which is absolute and unconditional, to receive payment of the principal of, any premium and (subject to Sections 305 and 307) interest on, and any Additional Amounts with respect to such Security or payment of such Coupon, as the case may be, on the respective Stated Maturity or Maturities therefor specified in such Security or Coupon (or, in the case of redemption, on the Redemption Date or, in the case of repayment at the option of such Holder if provided in or pursuant to this Indenture, on the date such repayment is due) and to institute suit for the enforcement of any such payment, and such right shall not be impaired without the consent of such Holder.

SECTION 509. Restoration of Rights and Remedies.

If the Trustee or any Holder has instituted any proceeding to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case, subject to any determination in such proceeding, the Company, the Trustee and each such Holder shall be restored severally and respectively to their former positions hereunder and thereafter all rights and remedies of the Trustee and each such Holder shall continue as though no such proceeding had been instituted.

SECTION 510. Rights and Remedies Cumulative.

Except as otherwise provided with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities or Coupons in the last paragraph of Section 306, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The

assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

SECTION 511. Delay or Omission Not Waiver.

No delay or omission of the Trustee or of any Holder of any Security or Coupon to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by such Holder, as the case may be.

43

SECTION 512. Control by Holders.

The Holders of a majority in principal amount of the Outstanding Securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee, with respect to the Securities of such series and any Coupons appertaining thereto, provided that

(1) such direction shall not be in conflict with any rule of law or with this Indenture;

(2) the Trustee may take any other action deemed proper by the Trustee which is not inconsistent with such direction; and

(3) such direction is not unduly prejudicial to the rights of the other Holders of Securities of such series not joining in such action.

SECTION 513. Waiver of Past Defaults.

The Holders of not less than a majority in principal amount of the Outstanding Securities of any series may on behalf of the Holders of all the Securities of such series and any Coupons waive any past default hereunder with respect to such series and its consequences, except a default

(1) in the payment of the principal of (or premium, if any) or interest on any Security of such series or any Coupons appertaining thereto, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Security of such series affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

SECTION 514. Waiver of Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay or extension law wherever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefit or advantage of any such law and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

44

SECTION 515. Judgment Currency.

The following provisions of this Section 515 shall apply to the extent permissible under applicable law: Judgments in respect of any obligations of the Company under any Securities or Coupons, if any, of any series shall be rendered in the currency or currency unit in which such Securities or Coupons are payable. If for the purpose of obtaining a judgment in any court with respect to any obligation of the Company hereunder or under any Security or Coupon, it shall become necessary to convert into any other currency or currency unit any amount in the currency or currency unit due hereunder or under such Security or Coupon, then such conversion shall be made at the Conversion Rate (as defined below) as in effect on the date the Company shall make payment to any person in satisfaction of such judgment. If pursuant to any such judgment, conversion shall be made on a date other than the date payment is made and there shall occur a change between such Conversion Rate and the Conversion Rate as in effect on the date of payment, the Company agrees to pay such additional amounts (if any) as may be necessary to ensure that the amount paid is the amount in such other currency or currency unit which, when converted at the Conversion Rate as in effect on the date of payment or distribution, is the amount then due hereunder or under such Security or Coupon. Any amount due from the Company under this Section 515 shall be due as a separate debt and is not to be affected by or merged into any judgment being obtained for any other sums due hereunder or in respect of any Security or Coupon so that in any event the Company's obligations hereunder or under such Security or Coupon will be effectively maintained as obligations in such currency or currency unit. In no event, however, shall the Company be required to pay more in the currency or currency unit due hereunder or under such Security or Coupon at the Conversion Rate as in effect when payment is made than the amount of currency or currency unit stated to be due hereunder or under such Security or Coupon.

For purposes of this Section 515, "Conversion Rate" shall mean the spot rate as determined by the Company at which in accordance with normal banking procedures the currency or currency unit into which an amount due hereunder or under any Security or Coupon is to be converted could be purchased with the currency or currency unit due hereunder or under any Security or Coupon, at the option of the Company from major banks located in New York, London or any other principal market for such purchased currency or currency unit.

ARTICLE SIX

THE TRUSTEE

SECTION 601. Certain Rights of Trustee.

Subject to the provisions of the Trust Indenture Act:

(a) the Trustee may rely and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

45

(b) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order (in each case, other than delivery of any Security, together with any Coupons appertaining thereto, to the Trustee for authentication and delivery pursuant to Section 303 which shall be sufficiently evidenced as provided therein) and any resolution of the Board of Directors may be sufficiently evidenced by a Board Resolution;

(c) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon an Officers' Certificate;

(d) the Trustee may consult with counsel and the written

advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon;

(e) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders pursuant to this Indenture, unless such Holders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;

(f) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney;

(g) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder; and

(h) The Trustee shall not be required to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers, if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not reasonably assured to it.

SECTION 602. Not Responsible for Recitals or Issuance of Securities.

The recitals contained herein and in the Securities, except the Trustee's certificates of authentication, shall be taken as the statements of the Company, and neither the Trustee nor any Authenticating Agent assumes any responsibility for their correctness. The Trustee makes no representations as to the validity or the sufficiency of this Indenture or of the Securities or the Coupons, except that the Trustee represents that it is duly authorized to execute and deliver this Indenture, authenticate the

46

Securities and perform its obligations hereunder. Neither the Trustee nor any Authenticating Agent shall be accountable for the use or application by the Company of Securities or the proceeds thereof.

SECTION 603. May Hold Securities.

The Trustee, any Authenticating Agent, any Paying Agent, any Security Registrar or any other agent of the Trustee or the Company, in its individual or any other capacity, may become the owner or pledgee of Securities or Coupons and, subject to Sections 310(b) and 311 of the Trust Indenture Act, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Authenticating Agent, Paying Agent, Security Registrar or such other agent.

SECTION 604. Money Held in Trust.

Money held by the Trustee in trust hereunder need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any Money received by it hereunder except as otherwise agreed with the Company.

SECTION 605. Compensation and Reimbursement.

The Company agrees:

(1) to pay to the Trustee from time to time reasonable compensation for all services rendered by it hereunder (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as may be attributable to the Trustee's negligence or bad faith; and

(3) to indemnify the Trustee and its agents for, and to hold it harmless against, any loss, liability or expense incurred without negligence or bad faith on their part, arising out of or in connection with the acceptance or administration of the trust or trusts hereunder, including the costs and expenses of defending themselves against any claim or liability in connection with the exercise or performance of any of their powers or duties hereunder.

As security for the performance of the obligations of the Company under this Section, the Trustee shall have a lien prior to the Securities of any series upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of, and premium or interest on or any Additional Amounts with respect to Securities or any Coupons appertaining thereto.

The obligations of the Company under this Section 605 to compensate and indemnify the Trustee and to pay or reimburse the Trustee and each predecessor Trustee for expenses, disbursements

47

and advances shall constitute additional indebtedness hereunder and shall survive the satisfaction and discharge of this Indenture.

SECTION 606. Resignation and Removal; Appointment of Successor.

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee pursuant to Section 607.

(b) The Trustee may resign at any time with respect to the Securities of one or more series by giving written notice thereof to the Company. If the instrument of acceptance by a successor Trustee required by Section 607 shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

(c) The Trustee may be removed at any time with respect to the Securities of any series by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series, delivered to the Trustee and to the Company.

(d) If at any time:

(1) the Trustee shall fail to comply with Section 310(b) of the Trust Indenture Act after written request therefor by the Company or by any Holder of a Security of such series who has been a bona fide Holder of a Security of such series for at least six months, or

(2) the Trustee shall cease to be eligible under Section 310(a) of the Trust Indenture Act and shall fail to resign after written request therefor by the Company or by any such Holder, or

(3) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of

the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (i) the Company by a Board Resolution may remove the Trustee with respect to all Securities or the Securities of such series, or (ii) any Holder of a Security who has been a bona fide Holder of a Security of such series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee with respect to all Securities of such series and the appointment of a successor Trustee or Trustees.

(e) if the Trustee shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of Trustee for any cause, with respect to the Securities of one or more series, the Company, by a Board Resolution, shall promptly appoint a successor Trustee or Trustees with respect to the Securities of that or those series (it being understood that any such successor Trustee may

48

be appointed with respect to the Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Securities of any particular series) and shall comply with the applicable requirements of Section 607. If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment in accordance with the applicable requirements of Section 607, become the successor Trustee with respect to the Securities of such series and to that extent supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Securities of any series shall have been so appointed by the Company or the Holders and accepted appointment in the manner required by Section 607, any Holder of a Security who has been a bona fide Holder of a Security of such series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

(f) The Company shall give notice of each resignation and each removal of the Trustee with respect to the Securities of any series and each appointment of a successor Trustee with respect to the Securities of any series in the manner provided in Section 105. Each notice shall include the name of the successor Trustee with respect to the Securities of such series and the address of its Corporate Trust Office.

SECTION 607. Acceptance of Appointment by Successor.

(a) In case of the appointment hereunder of a successor Trustee with respect to all Securities, every such successor Trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties hereunder of the retiring Trustee; but, on the request of the Company or the successor Trustee, all property and Money held by such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor Trustee all property and Money held by such retiring Trustee hereunder, subject nevertheless to its claim, if any, provided for in Section 605.

(b) In case of the appointment hereunder of a successor Trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee and each successor Trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor Trustee shall accept such

appointment and which (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates, (2) if the retiring Trustee is not retiring with respect to all Securities, shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring

49

shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee and that no Trustee shall be responsible for any notice given to, or received by, or any act or failure to act on the part of any other Trustee hereunder; and upon the execution and delivery of such supplemental indenture the resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates; but, on request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and Money held by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor Trustee relates.

(c) Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under the Trust Indenture Act.

SECTION 608. Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all of the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided such corporation shall be otherwise qualified and eligible under this Article, without the execution or filing of any paper or any further act on the part of any of the parties hereto. In case any Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities.

SECTION 609. Corporate Trustee Required; Eligibility.

There shall at all times be a Trustee hereunder that is a Corporation permitted by the Trust Indenture Act to act as trustee under an indenture qualified under the Trust Indenture Act and that has a combined capital and surplus (computed in accordance with Section 310(a)(2) of the Trust Indenture Act) of at least \$50,000,000. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, it shall resign immediately in the manner and with the effect hereinafter specified in this Article.

50

SECTION 610. Appointment of Authenticating Agent.

The Trustee may appoint one or more Authenticating Agents acceptable to the Company with respect to one or more series of Securities which shall be authorized to act on behalf of the Trustee to authenticate Securities of that or those series issued upon original issue, exchange, registration of transfer, partial redemption or pursuant to Section 306, and Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder. Wherever reference is made in this Indenture to the authentication and delivery of Securities by the Trustee or the Trustee's certificate of authentication, such reference shall be deemed to include authentication and delivery on behalf of the Trustee by an Authenticating Agent and a certificate of authentication executed on behalf of the Trustee by an Authenticating Agent.

Each Authenticating Agent shall be acceptable to the Company and, except as provided in or pursuant to this Indenture, shall at all times be a corporation that would be permitted by the Trust Indenture Act to act as trustee under an indenture qualified under the Trust Indenture Act, is authorized under applicable law and by its charter to act as an Authenticating Agent and has a combined capital and surplus (computed in accordance with Section 310(a)(2) of the Trust Indenture Act) of at least \$50,000,000. If at any time an Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, it shall resign immediately in the manner and with the effect specified in this Section.

Any corporation into which an Authenticating Agent may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which such Authenticating Agent shall be a party, or any corporation succeeding to the corporate agency or corporate trust business of an Authenticating Agent, shall be the successor of such Authenticating Agent hereunder, provided such corporation shall be otherwise eligible under this Section, without the execution or filing of any paper or any further act on the part of the Trustee or the Authenticating Agent.

An Authenticating Agent may resign at any time by giving written notice thereof to the Trustee and the Company. The Trustee may at any time terminate the agency of an Authenticating Agent by giving written notice thereof to such Authenticating Agent and the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time such Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, the Trustee may appoint a successor Authenticating Agent which shall be acceptable to the Company and shall (i) mail written notice of such appointment by first-class mail, postage prepaid, to all Holders of Registered Securities, if any, of the series with respect to which such Authenticating Agent shall serve, as their names and addresses appear in the Security Register, and (ii) if Securities of the series are issued as Bearer Securities, publish notice of such appointment at least once in an Authorized Newspaper in the place where such successor Authenticating Agent has its principal office if such office is located outside the United States. Any successor Authenticating Agent, upon acceptance of its appointment hereunder, shall become vested with all the rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an Authenticating Agent. No successor Authenticating Agent shall be appointed unless eligible under the provisions of this Section.

The Company agrees to pay each Authenticating Agent from time to time reasonable compensation for its services under this Section. If the Trustee makes such payments, it shall be entitled to be reimbursed for such payments, subject to the provisions of Section 605.

The provisions of Sections 308, 602 and 603 shall be applicable to each Authenticating Agent.

If an Authenticating Agent is appointed with respect to one or more series of Securities pursuant to this Section, the Securities of such

series may have endorsed thereon, in addition to or in lieu of the Trustee's certificate of authentication, an alternate certificate of authentication in the following form:

This is one of the Securities of the series designated herein referred to in the within-mentioned Indenture.

BANK ONE TRUST COMPANY, NA
As Trustee

By _____
As Authenticating Agent

By _____
Authorized Signatory

If all of the Securities of any series may not be originally issued at one time, and if the Trustee does not have an office capable of authenticating Securities upon original issuance located in a Place of Payment where the Company wishes to have Securities of such series authenticated upon original issuance, the Trustee, if so requested in writing (which writing need not be accompanied by or contained in an Officers' Certificate by the Company), shall appoint in accordance with this Section an Authenticating Agent having an office in a Place of Payment designated by the Company with respect to such series of Securities.

SECTION 611. Notice of Defaults.

The Trustee shall, within 90 days after the occurrence of a default with respect to the Securities of any series, mail to all Holders of Securities of that series entitled to receive reports pursuant to Section 703, notice of all defaults with respect to that series known to the Trustee, unless such defaults have been cured before the giving of such notice; provided, however, that, except in the case of default in the payment of the principal of, premium, if any, or interest on any of the Securities of such series or in the making of any sinking fund payment with respect to such series, the Trustee shall be protected in withholding such notice if and so long as the Board of Directors or Responsible Officers of the Trustee in good faith determines that the withholding of such notice is in the interests of the Holders of Securities of

such series. For the purpose of this Section the term "default" means any event which is, or after notice or lapse of time or both would become, an Event of Default.

ARTICLE SEVEN

HOLDERS' LISTS AND REPORTS BY TRUSTEE AND COMPANY

SECTION 701. Company to Furnish Trustee Names and Addresses of Holders.

In accordance with Section 312(a) of the Trust Indenture Act, the Company shall furnish or cause to be furnished to the Trustee

(a) semi-annually with respect to Securities of each series on May 15 and November 15 of each year or upon such other dates as are set forth in or pursuant to the Board Resolution or indenture supplemental hereto authorizing such series, a list, in each case in such form as the Trustee may reasonably require, of the names and addresses of Holders as of not more than 15 days prior to the applicable date, and

(b) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished, provided, however, that so long as the Trustee is the Security Registrar no such list shall be required to be furnished.

SECTION 702. Preservation of Information; Communications to Holders.

The Trustee shall comply with the obligations imposed upon it pursuant to Section 312 of the Trust Indenture Act.

Every Holder of Securities or Coupons, by receiving and holding the same, agrees with the Company and the Trustee that neither the Company, the Trustee, any Paying Agent or any Security Registrar shall be held accountable by reason of the disclosure of any such information as to the names and addresses of the Holders of Securities in accordance with Section 312 of the Trust Indenture Act, regardless of the source from which such information was derived, and that the Trustee shall not be held accountable by reason of mailing any material pursuant to a request made under Section 312(b) of the Trust Indenture Act.

SECTION 703. Reports by Trustee.

(a) Within 60 days after May 15 of each year commencing with the first May 15 following the first issuance of Securities pursuant to Section 301, if required by Section 313(a) of the Trust Indenture Act, the Trustee shall transmit, pursuant to Section 313(c) of the Trust Indenture Act, a brief report dated as of such May 15 with respect to any of the events specified in said Section 313(a) which may have occurred since the later of the immediately preceding May 15 and the date of this Indenture.

53

(b) The Trustee shall transmit the reports required by Section 313(b) of the Trust Indenture Act at the times specified therein.

(c) Reports pursuant to this Section shall be transmitted in the manner and to the Persons required by Sections 313(c) and 313(d) of the Trust Indenture Act. The Company will notify the Trustee when any Securities are listed on any stock exchange.

SECTION 704. Reports by Company.

The Company, pursuant to Section 314(a) of the Trust Indenture Act, shall:

(1) file with the Trustee, within 15 days after the Company is required to file the same with the Commission, copies of the annual reports and of the information, documents and other reports (or copies of such portions of any of the foregoing as the Commission may from time to time by rules and regulations prescribe) which the Company may be required to file with the Commission pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934; or, if the Company is not required to file information, documents or reports pursuant to either of said Sections, then it shall file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such of the supplementary and periodic information, documents and reports which may be required pursuant to Section 13 of the Securities Exchange Act of 1934 in respect of a security listed and registered on a national securities exchange as may be prescribed from time to time in such rules and regulations;

(2) file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such additional information, documents and reports with respect to compliance by the Company, as the case may be, with the conditions and covenants of this Indenture as may be required from time to time by such rules and regulations;

(3) furnish to the Trustee, not less often than annually, a brief certificate from the principal executive officer, principal financial officer or principal accounting officer as to his or her knowledge of the Company's compliance with all the conditions and covenants under this Indenture; and

(4) transmit within 30 days after the filing thereof with the Trustee, in the manner and to the extent provided in Section 313(c) of the Trust Indenture Act, such summaries of any information, documents and reports required to be filed by the Company pursuant to paragraphs (1) and (2) of this Section as

may be required by the rules and regulations prescribed from time to time by the Commission.

54

ARTICLE EIGHT

CONSOLIDATION, MERGER OR SALE

SECTION 801. Consolidation, Merger or Sale.

Nothing contained in this Indenture or in any of the Securities shall prevent any consolidation or merger of the Company with or into any other Person or Persons (whether or not affiliated with the Company), or successive consolidations or mergers in which the Company or its successor or successors shall be a party or parties, or shall prevent any conveyance, transfer or lease of the property of the Company as an entirety or substantially as an entirety, to any other Person (whether or not affiliated with the Company); provided, however, that:

(a) in case the Company shall consolidate with or merge into another Person or convey, transfer or lease its properties and assets substantially as an entirety to any Person, the entity formed by such consolidation or into which the Company is merged or the Person which acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety shall be a Corporation organized and existing under the laws of the United States of America, any state thereof or the District of Columbia and shall expressly assume, by an indenture (or indentures, if at such time there is more than one Trustee) supplemental hereto, executed and delivered by the successor Person to the Trustee, in form satisfactory to the Trustee, the due and punctual payment of the principal of, any premium, if any, and interest on and any Additional Amounts with respect to all the Securities and the performance of every other covenant of this Indenture on the part of the Company to be performed or observed;

(b) immediately after giving effect to such transaction, no event which, after notice or lapse of time, would become an Event of Default, shall have occurred and be continuing; and

(c) each of the Company and the successor Person shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been complied with.

SECTION 802. Successor Corporation Substituted.

Upon any consolidation by the Company with or merger by the Company into any other Person or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety in accordance with Section 801, the successor Person formed by such consolidation or into which the Company is merged or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor Person had been named as the Company herein, and thereafter, except in the case of a lease, the predecessor Person shall be relieved of all obligations and covenants under this Indenture, the Securities and the Coupons.

55

ARTICLE NINE

SUPPLEMENTAL INDENTURES

SECTION 901. Supplemental Indentures Without Consent of Holders.

Without the consent of any Holders, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

(1) to evidence the succession of another Person to the Company and the assumption by any such successor of the covenants of the Company herein and in the Securities;

(2) to add to the covenants of the Company for the benefit of the Holders of all or any series of Securities (and if such covenants are to be for the benefit of less than all series of Securities, stating that such covenants are expressly being included solely for the benefit of such series) or to surrender any right or power herein conferred upon the Company;

(3) to add any additional Events of Default with respect to all or any series of Securities;

(4) to add to or change any of the provisions of this Indenture to such extent as shall be necessary to permit or facilitate the issuance of Securities in bearer form, registrable or not registrable as to principal, and with or without interest coupons or to provide for uncertificated (commonly known as "book entry") Securities on terms satisfactory in substance to the Trustee;

(5) to add to or change any of the provisions of this Indenture to provide that Bearer Securities may be registrable as to principal, to change or eliminate any restrictions on the payment of principal of, any premium or interest on or any Additional Amounts with respect to Securities, to permit Registered Securities to be exchanged for Bearer Securities, to permit Bearer Securities to be exchanged for Bearer Securities of other authorized denominations or to permit or facilitate the issuance of Securities in uncertificated form, provided any such action shall not adversely affect the interests of the Holders of Securities of any series or any Coupons appertaining thereto in any material respect;

(6) to change or eliminate any of the provisions of this Indenture, provided that any such change or elimination shall become effective only when there is no Security Outstanding of any series created prior to the execution of such supplemental indenture which is entitled to the benefit of such provision;

(7) to secure the Securities;

(8) to establish the form or terms of Securities of any series and any Coupons appertaining thereto as permitted by Sections 201 and 301;

(9) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Securities of one or more series and to add to or change any of the provisions

56

of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 607(b);

(10) if allowed without penalty under applicable laws and regulations, to permit payment in the United States of America (including any of the states and the District of Columbia), its territories, its possessions and other areas subject to its jurisdiction of principal, premium, if any, or interest, if any, on Bearer Securities or Coupons, if any;

(11) to cure any ambiguity, to correct or supplement any provision herein which may be defective or inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Indenture, provided such action shall not adversely affect the interests of the Holders of Securities of any series or any Coupons appertaining thereto in any material respect;

(12) to add to, delete from or revise the conditions,

limitations and restrictions on the authorized amount, terms or purposes of issue, authentication and delivery of Securities, as herein set forth; or

(13) to supplement any of the provisions of this Indenture to such extent as shall be necessary to permit or facilitate the defeasance and discharge of any series of Securities pursuant to Article Four; provided that any such action shall not adversely affect the interests of any Holder of a Security of such series and any Coupons appertaining thereto or any other Security or Coupon in any material respect.

SECTION 902. Supplemental Indentures with Consent of Holders.

With the consent of the Holders of not less than a majority in principal amount of the Outstanding Securities of each series affected by such supplemental indenture by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders of Securities of such series under this Indenture; provided, however, that no supplemental indenture shall, without the consent of the Holder of each Outstanding Security affected thereby,

(1) change the Stated Maturity of the principal of, or any installment of principal of or interest on any Additional Amounts with respect to, any Security, or reduce the principal amount thereof or the rate of interest thereon or any Additional Amounts with respect thereto, or any premium payable upon the redemption thereof or otherwise, or reduce the amount of the principal of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502 or the amount thereof provable in bankruptcy pursuant to Section 504, or adversely affect the right of repayment at the option of any Holder as contemplated by Article Thirteen, or change the Place of Payment, or change the coin or currency in which the principal of, any premium or the interest on, or any Additional Amounts with respect to, any Security is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof (or, in the

57

case of redemption, on or after the Redemption Date or, in the case of repayment at the option of the Holder, on or after the date for repayment), or

(2) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) provided for in this Indenture, or reduce the requirements of Section 1504 for quorum or voting, or

(3) change any obligation of the Company to maintain an office or agency in the places and for the purposes specified in Section 1002, or

(4) modify any of the provisions of this Section 902, Section 513, or Section 1007, except to increase any such percentage or to provide with respect to any particular series the right to condition the effectiveness of any supplemental indenture as to that series on the consent of the Holders of a specified percentage of the aggregate principal amount of Outstanding Securities of such series (which provision may be made pursuant to Section 301 without the consent of any Holder) or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Security affected thereby; provided, however, that this clause shall not be deemed to require the consent of any Holder with respect to changes in the references to "the Trustee" and concomitant changes in this Section, or the deletion of this proviso, in accordance with the requirements of Sections 607(b) and 901(9).

For the purposes of this Section 902, if the Securities of any series are issuable upon the exercise of warrants, any holder of an unexercised and unexpired warrant with respect to such series shall not be deemed to be a Holder of Outstanding Securities of such series in the amount issuable upon the

exercise of such warrants.

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities, or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series.

It shall not be necessary for any Act of Holders under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

SECTION 903. Execution of Supplemental Indentures.

As a condition to executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and shall be fully protected in relying upon, an Opinion of Counsel and an Officer's Certificate each stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any

58

such supplemental indenture which affects the Trustee's own rights, duties or immunities under this Indenture or otherwise.

SECTION 904. Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Securities theretofore or thereafter authenticated and delivered hereunder shall be bound thereby.

SECTION 905. Conformity with Trust Indenture Act.

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

SECTION 906. Reference in Securities to Supplemental Indentures.

Securities, including any Coupons, of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities including any Coupons of any series so modified as to conform, in the opinion of the Trustee and the Company, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Securities including any Coupons of such series.

ARTICLE TEN

COVENANTS

SECTION 1001. Payment of Principal, Premium and Interest and Additional Amounts.

The Company covenants and agrees for the benefit of the Holders of each series of Securities that it will duly and punctually pay the principal of (and premium, if any) and interest on and any Additional Amounts with respect to the Securities of that series in accordance with the terms of the Securities and this Indenture.

The interest on Securities with Coupons appertaining thereto shall be payable only upon presentation and surrender of the several Coupons for such interest installments as are evidenced thereby as they severally mature. The interest, if any, on any temporary Bearer Security shall be paid, as to any installment of interest evidenced by a Coupon attached thereto only upon presentation and surrender of such Coupon and, as to other installments of

interest, only upon presentation of such Security for notation thereon of the payment of such interest.

SECTION 1002. Maintenance of Office or Agency.

If Securities of a series are issued as Registered Securities, the Company will maintain in each Place of Payment for any series of Securities an office or agency where Securities and Coupons, if any of that series may be presented or surrendered for payment, where securities of that series may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. If Securities of a series are issuable as Bearer Securities, the Company will maintain an office or agency, (A) subject to any laws or regulations applicable thereto, in a Place of Payment for that series which is located outside the United States, where Securities of that series and related coupons may be presented and surrendered for payment; provided, however, that if the Securities of that series are listed on The International Stock Exchange of the United Kingdom and the Republic of Ireland Limited, the Luxembourg Stock Exchange or any other stock exchange located outside the United States and such stock exchange shall so require, the Company will maintain a Paying Agent for the Securities of that series in London, Luxembourg or any other required city located outside the United States, as the case may be, so long as the Securities of that series are listed on such exchange and (B) subject to any laws or regulations applicable thereto, in a Place of Payment for that series located outside the United States, where Securities of that series may be surrendered for exchange and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of any such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices and demands may be made or served at the Corporate Trust Office of the Trustee, except that Bearer Securities of such series and any Coupons appertaining thereto may be presented and surrendered for payment at the place specified for the purpose with respect to such Securities as provided in or pursuant to this Indenture, and the Company hereby appoints the Trustee as its agent to receive all such presentations, surrenders, notices and demands.

Except as otherwise provided in or pursuant to this Indenture, no payment of principal or interest on Bearer Securities shall be made at any office or agency of the Company in the United States, by check mailed to any address in the United States, by transfer to an account located in the United States or upon presentation or surrender in the United States of a Bearer Security or coupon for payment, even if the payment would be credited to an account located outside the United States; provided, however, that, if the Securities of a series are denominated and payable in Dollars, payment of principal of and any interest on or any Additional Amounts with respect to any such Bearer Security shall be made at the office of the Company's Paying Agent in Chicago, Illinois or in the event that certificated senior notes are issued or if Depositary Trust Company shall so require, the Company will be required to appoint a paying agent and security registrar in the City of New York if (but only if) payment in Dollars of the full amount of such principal, interest or Additional Amounts, as the case may be, at all offices or agencies outside the United States maintained for the purpose by the Company in accordance with this Indenture is illegal or effectively precluded by exchange controls or other similar restrictions.

The Company may also from time to time designate one or more other offices or agencies where the Securities (including any Coupons, if any) of one or more series may be presented or surrendered for any or all such purposes and may from time to time rescind such designations; provided, however, that no such designation or rescission shall in any manner relieve the Company of its obligation

to maintain an office or agency in each Place of Payment for Securities (including any Coupons, if any) of any series for such purposes. The Company will give prompt written notice to the Trustee of any such designation or rescission and of any change in the location of any such other office or agency. Unless otherwise provided in or pursuant to this Indenture, the Company hereby designates as the Place of Payment for each series as Chicago, Illinois and initially appoints the office or agency of the Corporate Trust Office of the Trustee for such purpose. In the event that certificated senior notes are issued or if Depositary Trust Company shall so require, the Company will appoint a paying agent and security registrar in the City of New York. Pursuant to Section 301(6) of this Indenture, the Company may subsequently appoint a place or places in addition to or other than Chicago, Illinois where such Securities may be payable.

SECTION 1003. Money for Securities Payments to Be Held in Trust.

If the Company shall at any time act as its own Paying Agent with respect to any series of Securities, it shall, on or before each due date of the principal of (and premium, if any) or interest on or any Additional Amounts with respect to any of the Securities of that series, segregate and hold in trust for the benefit of the Persons entitled thereto a sum of Money sufficient to pay the principal (and premium, if any), interest or Additional Amounts so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided and shall promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents for any series of Securities, it shall, on or prior to (but in the case of payments to be made at a Place of Payment outside of the United States, its territories, possessions and areas subject to its jurisdiction, at least one New York Business Day before) each due date of the principal of, any premium or interest on or any Additional Amounts with respect to any Securities of such series, deposit with any Paying Agent a sum of Money sufficient to pay the principal or any premium, interest or Additional Amounts so becoming due, such sum to be held in trust for the benefit of the Persons entitled thereto, and (unless such Paying Agent is the Trustee) the Company shall promptly notify the Trustee of its action or failure so to act.

The Company shall cause each Paying Agent for any series of Securities other than the Trustee to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent shall:

(1) hold all sums held by it for the payment of the principal of (and premium, if any) or interest on or any Additional Amounts with respect to Securities of that series in trust for the benefit of the Persons entitled thereto until such sums shall be paid to such Persons or otherwise disposed of as herein provided;

(2) give the Trustee notice of any default by the Company (or any other obligor upon the Securities of that series) in the making of any payment of principal (and premium, if any) or interest on or any Additional Amounts with respect to the Securities of such series; and

61

(3) at any time during the continuance of any such default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent.

The Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such Money.

Any Money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of (and premium, if any) or interest on or any Additional Amounts with respect to any Security of any series and remaining unclaimed for 2 years after such principal (and premium, if any) or interest or Additional Amounts shall have become due and Payable shall be paid to the Company on Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Security and Coupon, if any, shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such Money, and all liability of the Company as trustee thereof, shall thereupon cease; provided, however, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense of the Company cause to be published once, in an Authorized Newspaper in each Place of Payment for such series or to be mailed to Holders of Registered Securities of such series notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such publication or mailing nor shall it be later than 2 years after such principal and any premium or interest or Additional Amounts shall have become due and payable, any unclaimed balance of such Money then remaining will be repaid to the Company.

SECTION 1004. Additional Amounts.

If any Securities of a series provide for the payment of Additional Amounts, the Company agrees to pay to the Holder of any such Security or any Coupon appertaining thereto Additional Amounts as provided therein. Whenever in this Indenture there is mentioned, in any context, the payment of the principal of or any premium or interest on, or in respect of, any Security of any series or any Coupon or the net proceeds received on the sale or exchange of any Security of any series, such mention shall be deemed to include mention of the payment of Additional Amounts provided by the terms of such series established hereby or pursuant hereto to the extent that, in such context, Additional Amounts are, were or would be payable in respect thereof pursuant to such terms and express mention of the payment of Additional Amounts (if applicable) in any provision hereof shall not be construed as excluding Additional Amounts in those provisions hereof where such express mention is not made.

Except as otherwise provided in or pursuant to this Indenture, if the Securities of a series provide for the payment of Additional Amounts, at least 10 days prior to the first Interest Payment Date with respect to such series of Securities (or if the Securities of such series shall not bear interest prior to Maturity, the first day on which a payment of principal is made), and at least 10 days prior to each date of payment of principal or interest if there has been any change with respect to the matters set forth in the

below-mentioned Officers' Certificate, the Company shall furnish to the Trustee and the principal Paying Agent or Paying Agents, if other than the Trustee, an Officers' Certificate instructing the Trustee and such Paying Agent or Paying Agents whether such payment of principal of or interest on the Securities of such series shall be made to Holders of Securities of such series or the Coupons appertaining thereto who are United States Aliens without withholding for or on account of any tax, assessment or other governmental charge described in the Securities of such series. If any such withholding shall be required, then such Officers' Certificate shall specify by country the amount, if any, required to be withheld on such payments to such Holders of Securities or Coupons and the Company agrees to pay to the Trustee or such Paying Agent the Additional Amounts required by the terms of such Securities. The Company covenants to indemnify the Trustee and any Paying Agent for, and to hold them harmless against, any loss, liability or expense reasonably incurred without negligence or bad faith on their part arising out of or in connection with actions taken or omitted by any of them in reliance on any Officers' Certificate furnished pursuant to this Section.

SECTION 1005. Corporate Existence.

Subject to Article Eight, the Company will do or cause to be done all things necessary to preserve and keep in full force and effect its

corporate existence, rights (charter and statutory) and franchises; provided, however, that the Company shall not be required to preserve any such right or franchise if the Board of Directors shall determine that the preservation thereof is no longer desirable in the conduct of the business of the Company and that the loss thereof is not disadvantageous in any material respect to the Holders.

SECTION 1006. Limitation on Liens.

Except as hereinafter in this Section 1006 expressly permitted and as permitted by Section 801, so long as any of the Securities remain Outstanding, the Company will not at any time directly or indirectly create, assume or suffer to exist, and will not cause, suffer or permit any Subsidiary to create, assume or suffer to exist, otherwise than in favor of the Company or a Subsidiary, any mortgage, pledge, lien, encumbrance of or upon or security interest (collectively, "Liens") upon any of its properties or assets, real, personal or mixed, whether owned at the date of this Indenture or thereafter acquired, or of or upon, any income or profits therefrom, without making effective provision, and the Company covenants that in any such case it will make or cause to be made effective provision, whereby the Securities then or thereafter Outstanding shall be secured by such Liens equally and ratably with any and all other obligations and indebtedness thereby secured, so long as any such other obligations or indebtedness shall be so secured.

Nothing in this Section 1006 shall be construed to prevent the Company or any Subsidiary from creating, assuming or suffering to exist Liens of the following character, to all of which the provisions of the first paragraph of this Section 1006 shall not be applicable:

(a) Liens existing as of the date of this Indenture;

(b) Any purchase money mortgage or Lien created to secure all or part of the purchase price of any property (or to secure a loan made to the Company or any Subsidiary to enable it to acquire

63

the property described in such mortgage or in any applicable security agreement); provided that such Lien shall extend only to the property so acquired, improvements thereon, replacements thereof and the income or profits therefrom;

(c) Liens on any property at the time of the acquisition thereof, whether or not assumed by the Company or a Subsidiary; provided that such Lien shall extend only to the property so acquired, improvements thereon, replacements thereof and the income or profits therefrom;

(d) Liens on any property or any contract for the sale of any product or service, or any rights thereunder or any proceeds therefrom, acquired or constructed by the Company or a Subsidiary, and created not later than twelve months after (i) such acquisition or completion of such construction, or (ii) commencement of operation of such property, whichever is later; provided that such Lien shall extend only to the property so acquired or constructed, improvements thereon, replacements thereof and the income or profits therefrom;

(e) Liens on the properties or assets, real, personal or mixed, of a Subsidiary, or of or upon or in any income or profits therefrom, which is outstanding at the time such Subsidiary becomes a Subsidiary;

(f) Liens created or assumed by the Company or a Subsidiary on coal, geothermal, oil, natural gas, inert gas, other hydrocarbon or mineral properties owned or leased by the Company or a Subsidiary to secure loans to the Company or a Subsidiary for the purpose of developing such properties;

(g) Liens on any investment of the Company or a Subsidiary in any Person other than a Subsidiary or any security representing any investment of the Company or a Subsidiary; for the purposes of this Clause (g), "investment" means any equity investment in any Person, any obligation of any Person for money borrowed or for the deferred purchase price of property which is owed to the Company or a Subsidiary, as the case may be, and any amount advanced to any person by the Company or any Subsidiary, excluding, however,

current accounts payable other than for cash advances;

(h) Any Lien not otherwise permitted by this Section 1006 if, after giving effect to the creation or assumption of the proposed mortgage, pledge, lien, encumbrance or security interest the sum of (i) all indebtedness of the Company and its Subsidiaries secured by Liens not otherwise permitted by this Section 1006, and (ii) to the extent not included in (i) above, all Attributable Debt of the Company and its Subsidiaries does not exceed 10% of Consolidated Capitalization;

(i) Any refunding or extension of maturity, in whole or in part, of any obligation or indebtedness secured by any Lien created, existing or assumed in accordance with the provisions of Clauses (a) through (h) above, inclusive, provided that the principal amount of the obligation or indebtedness secured by such refunding or extended Liens shall not exceed the principal amount of the obligation or indebtedness to be refunded or extended outstanding at the time of such refunding or extension, together with related financing costs, and that such refunding or extended Liens shall be limited in lien to the same property that secured the obligation or indebtedness refunded or extended, and property substituted therefor and property acquired after the date thereof and subject to the lien thereof, in accordance with the provisions of such refunding or extension;

64

(j) Liens on any office equipment or data processing equipment (including, without limitation, computer and computer peripheral equipment) or any motor vehicles, tractors or trailers;

(k) Liens of or upon or in current assets of the Company or a Subsidiary, determined in accordance with GAAP, created or assumed to secure indebtedness incurred in the ordinary course of business;

(l) Mechanics' or materialmen's liens; any lien or charge arising by reason of pledges or deposits to secure payment of or to permit participation in workmen's compensation, unemployment insurance, old age pensions or other Social Security or other insurance or to permit self-insurance; good faith deposits in connection with tenders or leases of real estate, bids or contracts or in connection with the financing of the acquisition or construction of property to be used in the business of the Company or a Subsidiary; deposits to secure public or statutory obligations; deposits to secure or in lieu of surety, stay or appeal bonds; deposits as security for the payment of taxes or assessments or other similar charges; judgment liens against the Company or any Subsidiary thereof in an aggregate amount not in excess \$5,000,000, or any such judgment lien so long as the finality of such judgment is being contested and execution thereon is stayed and which has been appealed and secured, if necessary, by the filing of an appeal bond; and liens for taxes or assessments for the current year or which are not due or which remain payable without penalty or which are being contested in good faith and against which an adequate reserve has been established;

(m) Any lien arising by reason of deposits with or the giving of any form of security to any governmental agency or any body created or approved by law or governmental regulation for any purpose at any time in connection with the financing of the acquisition or construction of property to be used in the business of the Company or a Subsidiary, or as required by law or governmental regulation as a condition to the transaction of any business or the exercise of any privilege or license, or to permit the maintenance of self-insurance or participation in any fund for liability on any insurance risks or in connection with workmen's compensation, unemployment insurance, old age pensions or other social security or to share in the privileges or benefits required for companies participating in such arrangements;

(n) Liens which are payable, both with respect to principal and interest, solely out of the proceeds of natural gas, oil, coal, geothermal resources, inert gas, hydrocarbons or minerals to be produced from the property subject thereto and to be sold or delivered by the Company or a Subsidiary;

(o) Liens to secure indebtedness incurred to finance advances made by the Company or any Subsidiary to any third party for the purpose of financing oil, natural gas, hydrocarbon, inert gas or other mineral exploration

or development, provided that such liens shall extend only to the receivables of the Company or such Subsidiary in respect of such advances;

(p) Any rights reserved in others to take or reserve any part of the natural gas, oil, coal, geothermal resources, inert gas, other hydrocarbons or mineral produced at any time on any property of the Company or a Subsidiary;

65

(q) Any rights reserved to or vested in, or any obligations or duties to, any person, firm, corporation or governmental authority by the terms of any franchise, grant, lease, license, easement or permit or by any provision of law with respect to any property of the Company or a Subsidiary.

(r) Leases (whether pursuant to Sale and Leaseback Transactions or otherwise) now or hereafter existing and any renewals or extensions thereof;

(s) Liens upon the underlying interests in property covered by any lease, contract, easement or right-of-way existing at the time of the acquisition thereof; easements or similar encumbrances, the existence of which does not materially impair the use of the property subject thereto for the purposes for which it was acquired; liens upon rights-of-way for pipeline or distribution plant purposes and undetermined liens and charges incidental to construction or maintenance; or defects and irregularities in the titles to any property (including right-of-way) which are not material to the business of the Company and its Subsidiaries considered as a whole;

(t) The lien reserved in leases for rent and for compliance with the terms of the lease in the case of leasehold estates;

(u) Zoning laws and ordinances; and

(v) Liens which secure indebtedness of a Subsidiary to the Company or another Subsidiary.

If at any time the Company or any Subsidiary shall create or assume any Lien to which the covenant in the first paragraph of this Section 1006 is applicable, the Company will promptly deliver to the Trustee an Officers' Certificate, stating that such covenant has been complied with, and an Opinion of Counsel, stating that in his opinion such covenant has been complied with and that any instruments executed by the Company or any Subsidiary in the performance of such covenant complied with the requirements thereof.

In the event that the Company or any Subsidiary shall hereafter secure the Securities equally and ratably with any other obligation or indebtedness pursuant to the provisions of this Section 1006, the Trustee is hereby authorized to enter into an indenture supplemental hereto and to take such action, if any, as it may deem advisable to enable it to enforce effectively the rights of the Holders of the Securities so secured, equally and ratably with such other obligation or indebtedness.

The Trustee may accept an Officers' Certificate and Opinion of Counsel as conclusive evidence that any such supplemental indenture or steps taken to secure the Securities equally and ratably comply with the provisions of this Section 1006.

SECTION 1007. Waiver of Covenant.

The Company may omit in any particular instance to comply with any term, provision or condition set forth in Article Eight and Sections 1005 and 1006, if before the time for such compliance the Holders of (i) a majority in principal amount of the Outstanding Securities or (ii) in case less than all

66

of the several series of Securities then Outstanding are affected by the omission, at least a majority in principal amount of the Outstanding Securities of each series so affected voting as a single class shall, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such term, provision or condition, but no such waiver shall extend to or affect such term, provision or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such term, provision or condition shall remain in full force and effect.

SECTION 1008. Statements as to Compliance; Notice of Certain Defaults.

(a) The Company shall deliver to the Trustee, within 120 days after the end of each fiscal year, a written statement (which need not be contained in or accompanied by an Officers' Certificate) signed by the principal executive officer, the principal financial officer or the principal accounting officer of the Company stating that

(1) a review of the activities of the Company during such year and of performance under this Indenture has been made under his or her supervision, and

(2) to the best of his or her knowledge, based on such review, (a) the Company has complied with all the conditions and covenants imposed on it under this Indenture throughout such year, or, if there has been a default in the fulfillment of any such condition or covenant, specifying each such default known to him or her and the nature and status thereof, and (b) no event has occurred and it continuing which is, or after notice or lapse of time or both would become, an Event of Default, or, if such an event has occurred and is continuing, specifying each such event known to him and the nature and status thereof.

(b) The Company shall deliver to the Trustee, within five days after the occurrence thereof, written notice of any event which after notice or lapse of time or both would become an Event of Default.

ARTICLE ELEVEN

REDEMPTION OF SECURITIES

SECTION 1101. Applicability of Article.

Securities (including Coupons, if any) of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified or contemplated by Section 301 for Securities of any series) in accordance with this Article.

SECTION 1102. Election to Redeem; Notice to Trustee.

The election of the Company to redeem any Securities (including Coupons, if any) shall be evidenced by a Board Resolution. In case of any redemption at the election of the Company of all or less than all of the Securities (including Coupons, if any) of any series, the Company shall, at least 60

67

days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee of such Redemption Date and of the principal amount of Securities of such series to be redeemed. In the case of any redemption of Securities (including Coupons, if any) prior to the expiration of any restriction on such redemption provided in the terms of such Securities and Coupons, if any, or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with such restriction.

SECTION 1103. Selection by Trustee of Securities to be Redeemed.

If less than all the Securities (including Coupons, if any) of any series with the same terms are to be redeemed, the particular Securities (including Coupons, if any) to be redeemed shall be selected not more than 60

days prior to the Redemption Date by the Trustee, from the Outstanding Securities (including Coupons, if any) of such series not previously called for redemption, by such method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions (equal to the minimum authorized denomination for Securities (including Coupons, if any) of that series or any integral multiple thereof) of the principal amount of Securities (including Coupons, if any) of such series of a denomination larger than the minimum authorized denomination for Securities of that series.

The Trustee shall promptly notify the Company in writing of the Securities (including Coupons, if any) selected for redemption and, in the case of any Securities selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities shall relate, in the case of any Securities redeemed or to be redeemed only in part, to the portion of the principal amount of such Securities which has been or is to be redeemed.

SECTION 1104. Notice of Redemption.

Notice of redemption shall be given not less than 30 nor more than 60 days prior to the Redemption Date, unless a shorter period is specified in the Securities to be redeemed, to each Holder of Securities to be redeemed, as provided in Section 105.

Each such notice of redemption shall specify the Redemption Date, the Redemption Price, the Place or Places of Payment, the CUSIP number of such Securities, if any, that the Securities of such series are being redeemed at the option of the Company pursuant to provisions contained in the terms of the Securities of such series or in a supplemental indenture establishing such series, if such be the case, together with a brief statement of the facts permitting such redemption, that payment will be made upon presentation and surrender of the applicable Securities, that all Coupons, if any, maturing subsequent to the date fixed for redemption shall be void, that any interest accrued to the Redemption Date will be paid as specified in said notice, and that on and after said Redemption Date any interest thereon or, in case of partial redemptions, on the portions thereof to be redeemed, will cease to accrue. If less than all the Securities of any series are to be redeemed, the notice of redemption shall specify the numbers of the Securities of such series to be redeemed, and, if only Bearer Securities of any series are to

68

be redeemed and if such Bearer Securities may be exchanged for Registered Securities, the last date on which exchanges of Bearer Securities for Registered Securities not subject to redemption may be made. In case any Security of any series is to be redeemed in part only, the notice of redemption shall state the portion of the principal amount thereof to be redeemed and shall state that on and after the Redemption Date, upon surrender of such Security and any Coupons appertaining thereto, a new Security or Securities of such series in principal amount equal to the unredeemed portion thereof and with appropriate Coupons will be issued, or, in the case of Registered Securities providing appropriate space for such notation, at the option of the Holders, the Trustee, in lieu of delivering a new Security or Securities as aforesaid, may make a notation on such Security of the payment of the redeemed portion thereof.

Notice of redemption of Securities and Coupons, if any, to be redeemed at the election of the Company shall be given by the Company or, at the Company's request, by the Trustee in the name and at the expense of the Company.

SECTION 1105. Deposit of Redemption Price.

On or before (but in the case of payments to be made at a Place of Payment outside of the United States, its territories, possessions and areas subject to its jurisdiction, at least one New York Business Day before) 10:00 A.M., New York City time, on any Redemption Date, the Company shall deposit in immediately available funds with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of Money in the relevant currency

(or a sufficient number of currency units, as the case may be) sufficient to pay the Redemption Price of, and (except if the Redemption Date shall be an Interest Payment Date) any accrued interest on and Additional Amounts with respect to all the Securities or portions thereof which are to be redeemed on that date.

SECTION 1106. Securities Payable on Redemption Date.

Notice of redemption having been given as aforesaid, the Securities so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified, and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Securities shall cease to bear interest and the Coupons for such interest appertaining to any Bearer Securities so to be redeemed, except to the extent provided below, shall be void. Except as provided in the next succeeding paragraph, upon surrender of any such Security (including Coupons, if any) for redemption in accordance with said notice, such Security shall be paid by the Company at the Redemption Price, together with accrued interest and Additional Amounts to the Redemption Date; provided, however, that installments of interest on Bearer Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable only upon presentation and surrender of Coupons for such interest (at an Office or Agency located outside the United States except as otherwise provided in Section 1002), and provided, further, that installments of interest on Registered Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Securities, or one or more Predecessor Securities, registered as such at the close of business on the relevant Record Dates according to their terms and the provisions of Section 307.

69

If any Bearer Security surrendered for redemption shall not be accompanied by all appurtenant Coupons maturing after the Redemption Date, such Bearer Security may be paid after deducting from the Redemption Price an amount equal to the face amount of all such missing Coupons, or the surrender of such missing Coupon or Coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Bearer Security shall surrender to the Trustee or any Paying Agent any such missing Coupon in respect of which a deduction shall have been made from the Redemption Price, such Holder shall be entitled to receive the amount so deducted; provided, however, that any interest or Additional Amounts represented by Coupons shall be payable only upon presentation and surrender of those Coupons at an office or agency located outside of the United States except as otherwise provided pursuant to Sections 901(10) and 1002.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal (and premium, if any) shall, until paid, bear interest from the Redemption Date at the rate prescribed therefor in the Security.

SECTION 1107. Securities Redeemed in Part.

Any Registered Security (including Coupons, if any) which is to be redeemed only in part shall be surrendered at a Place of Payment therefor (with, if the Company or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to, the Company and the Trustee duly executed by the Holder thereof or his attorney duly authorized in writing), and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Security without service charge, a new Registered Security or Securities (with appropriate Coupons, if any, attached) of the same series, containing identical terms and provisions, of any authorized denomination as requested by such Holder, in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Security (including Coupons, if any) so surrendered. If a Security in global form is so surrendered, the Company shall execute and the Trustee shall authenticate and deliver to the U.S. Depository or other depository for such Security in global form as shall be specified in the Company Order with respect thereto, to the Trustee, without service charge, a new Security in global form in a denomination equal to and in exchange for the unredeemed portion of the principal of the Security in global form so surrendered.

ARTICLE TWELVE

SINKING FUNDS

SECTION 1201. Applicability of Article.

The provisions of this Article shall be applicable to any sinking fund for the retirement of Securities of a series except as otherwise specified as contemplated by Section 301 for Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a "mandatory sinking fund payment," and any payment in

70

excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an "optional sinking fund payment." If provided for by the terms of Securities of any series, the cash amount of any sinking fund payment may be subject to reduction as provided in Section 1202. Each sinking fund payment shall be applied to the redemption of Securities of any series as provided for by the terms of Securities of such series.

SECTION 1202. Satisfaction of Sinking Fund Payments with Securities.

The Company (1) may deliver outstanding Securities of a series (other than any previously called for redemption or any of such Securities in respect of which cash shall have been released to the Company), together in the case of any Bearer Securities of such series with all unmatured Coupons appertaining thereto, and (2) may apply as a credit Securities of a series which have been redeemed either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to the Securities of such series required to be made pursuant to the terms of such Securities as provided for by the terms of such series; provided that such Securities have not been previously so credited. Such Securities shall be received and credited for such purpose by the Trustee at the Redemption Price specified in such Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly.

SECTION 1203. Redemption of Securities for Sinking Fund.

Not less than 60 days prior to each sinking fund payment date for any series of Securities, the Company will deliver to the Trustee an Officer's Certificate specifying the amount of the next ensuing mandatory sinking fund payment for that series pursuant to the terms of that series, the portion thereof, if any, which is to be satisfied by payment of cash and the portion thereof, if any, which is to be satisfied by delivering and crediting Securities of that series pursuant to Section 1202 and will also deliver to the Trustee any Securities to be so delivered. Not less than 30 nor more than 60 days before each such sinking fund payment date the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 1103 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 1104. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Sections 1106 and 1107.

ARTICLE THIRTEEN

REPAYMENT AT THE OPTION OF HOLDERS

SECTION 1301. Applicability of Article.

Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity shall be repaid in accordance with the terms of the Securities of such series. The repayment of any principal amount of Securities pursuant to such option of the Holder to require repayment of Securities before their Stated Maturity, for purposes of Section 309, shall not operate as a

payment, redemption or satisfaction of the indebtedness represented by such Securities unless and until the Company, at its option, shall deliver or surrender the same to the Trustee with a directive that such Securities be cancelled. Notwithstanding anything to the contrary contained in this Section 1301, in connection with any repayment of Securities, the Company may arrange for the purchase of any Securities by an agreement with one or more investment bankers or other purchasers to purchase such Securities by paying to the Holders of such Securities on or before the close of business on the repayment date an amount not less than the repayment price payable by the Company on repayment of such Securities, and the obligation of the Company to pay the repayment price of such Securities shall be satisfied and discharged to the extent such payment is so paid by such purchasers.

The Company shall provide written notice to the Trustee at least 30 days before any tender period related to a repayment pursuant to this Section 1301.

ARTICLE FOURTEEN

SECURITIES IN FOREIGN CURRENCIES

SECTION 1401. Applicability of Article.

Whenever this Indenture provides for (i) any action by, or the determination of any of the rights of, Holders of Securities of any series in which not all of such Securities are denominated in the same Currency, or (ii) any distribution to Holders of Securities, in the absence of any provision to the contrary in the form of Security of any particular series, any amount in respect of any Security denominated in a Currency other than Dollars shall be treated for any such action or distribution as that amount of Dollars that could be obtained for such amount at the noon buying rate in the City of New York for cable transfers in foreign currencies as certified for customs purposes by the Federal Reserve Bank of New York and as of the record date with respect to Registered Securities of such series (if any) for such action, determination of rights or distribution (or, if there shall be no applicable record date, such other date reasonably proximate to the date of such action, determination of rights or distribution) as the Company may specify in a written notice to the Trustee.

ARTICLE FIFTEEN

MEETINGS OF HOLDERS OF SECURITIES

SECTION 1501. Purposes for Which Meetings May be Called.

A meeting of Holders of Securities of such series may be called at any time and from time to time pursuant to this Article to make, give or take any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be made, given or taken by Holders of Securities of such series.

SECTION 1502. Call, Notice and Place of Meetings.

(a) The Trustee may at any time call a meeting of Holders of Securities of any series for any purpose specified in Section 1501, to be held at such time and at such place in the Borough of Manhattan, The City of New York or, if Securities of such series are to be issued as Bearer Securities, in London, as the Trustee shall determine. Notice of every meeting of Holders of Securities of any series, setting forth the time and the place of such meeting and in general terms the action proposed to be taken at such meeting, shall be given, in the manner provided in Section 106, not less than 21 nor more than 180 days prior to the date fixed for the meeting.

(b) In case at any time the Company (by or pursuant to a Board Resolution) or the Holders of at least 10% in principal amount of the Outstanding Securities of any series shall have requested the Trustee to call a meeting of the Holders of Securities of such series for any purpose specified in Section 1501, by written request setting forth in reasonable detail the action proposed to be taken at the meeting, and the Trustee shall not have made the first publication of the notice of such meeting within 21 days after receipt of such request or shall not thereafter proceed to cause the meeting to be held as provided herein, then the Company or the Holders of Securities of such series in the amount above specified, as the case may be, may determine the time and the place in the Borough of Manhattan, The City of New York, or, if Securities of such series are to issued as Bearer Securities, in London for such meeting and may call such meeting for such purposes by giving notice thereof as provided in subsection (a) of this Section.

SECTION 1503. Persons Entitled to Vote at Meetings.

To be entitled to vote at any meeting of Holders of Securities of any series, a Person shall be (1) a Holder of one or more Outstanding Securities of such series, or (2) a Person appointed by an instrument in writing as proxy for a Holder or Holders of one or more Outstanding Securities of such series by such Holder or Holders. The only Persons who shall be entitled to be present or to speak at any meeting of Holders of Securities of any series shall be the Persons entitled to vote at such meeting and their counsel, any representatives of the Trustee and its counsel and any representatives of the Company and its counsel.

SECTION 1504. Quorum; Action.

The Persons entitled to vote a majority in principal amount of the Outstanding Securities of a series shall constitute a quorum for a meeting of Holders, of Securities of such series; provided, however, that if any action is to be taken at such meeting with respect to a consent or waiver which this Indenture expressly provides may be given by the Holders of not less than 66 2/3% in principal amount of the Outstanding Securities of a series, the Persons entitled to vote 66 2/3% in principal amount of the Outstanding Securities of such series shall constitute a quorum. In the absence of a quorum within 30 minutes after the time appointed for any such meeting, the meeting shall, if convened at the request of Holders of Securities of such series, be dissolved. In any other case the meeting may be adjourned for a period of not less than 10 days as determined by the chairman of the meeting prior to the adjournment of such meeting. In the absence of a quorum at any such adjourned meeting, such adjourned meeting may be further adjourned for period of not less than 10 days as determined by the chairman of the meeting prior

to the adjournment of such adjourned meeting. Notice of the reconvening of any adjourned meeting shall be given as provided in Section 1502(a), except that such notice need be given only once not less than five days prior to the date on which the meeting is scheduled to be reconvened. Notice of the reconvening of an adjourned meeting shall state expressly the percentage, as provided above, of the principal amount of the Outstanding Securities of such series which shall constitute a quorum.

Except as limited by the proviso to Section 902, any resolution represented to a meeting or adjourned meeting duly reconvened at which a quorum is present as aforesaid may be adopted only by the affirmative vote of the Holders of a majority in principal amount of the Outstanding Securities of that series; provided, however, that, except as limited by the proviso to Section 902, any resolution with respect to any consent or waiver which this Indenture expressly provides may be given by the Holders of not less than 66 2/3% in principal amount of the Outstanding Securities of a series may be adopted at a meeting or an adjourned meeting duly convened and at which a quorum is present as aforesaid only by the affirmative vote of the Holders of 66 2/3% in principal amount of the Outstanding Securities of that series; and provided, further, that, except as limited by the proviso to Section 902, any resolution with respect to any request, demand, authorization, direction, notice, consent, waiver or other action which this Indenture expressly provides may be made, given or taken by the Holders of a specified percentage, which is

less than a majority, in principal amount of the outstanding Securities of a series may be adopted at a meeting or an adjourned meeting duly reconvened and at which a quorum is present as aforesaid by the affirmative vote of the Holders of such specified percentage in principal amount of the Outstanding Securities of such series.

Any resolution passed or decision taken at any meeting of Holders of Securities of any series duly held in accordance with this Section shall be binding on all the Holders of Securities of such series and the Coupons appertaining thereto, whether or not present or represented at the meeting.

SECTION 1505. Determination of Voting Rights; Conduct and Adjournment of Meetings.

(a) Notwithstanding any other provisions of this Indenture, the Trustee may make such reasonable regulations as it may deem advisable for any meeting of Holders of Securities of such series in regard to proof of the holding of Securities of such series and of the appointment of proxies and in regard to the appointment and duties of inspectors of votes, the submission and examination of proxies, certificates and other evidence of the right to vote, and such other matters concerning the conduct of the meeting as it shall deem appropriate. Except as otherwise permitted or required by any such regulations, the holding of Securities shall be proved in the manner specified in Section 104 and the appointment of any proxy shall be proved in the manner specified in Section 104 or by having the signature of the person executing the proxy witnessed or guaranteed by any trust company, bank or banker authorized by Section 104 to certify to the holding of Bearer Securities. Such regulations may provide that written instruments appointing proxies, regular on their face, may be presumed valid and genuine without the proof specified in Section 104 or other proof.

(b) The Trustee shall, by an instrument in writing, appoint a temporary chairman of the meeting, unless the meeting shall have been called by the Company or by Holders of Securities as provided in Section 1502(b), in which case the Company or the Holders of Securities of the series calling the meeting, as the case may be, shall in like manner appoint a temporary chairman. A permanent

74

chairman and a permanent secretary of the meeting shall be elected by vote of the Persons entitled to vote a majority in principal amount of the Outstanding Securities of such series represented at the meeting.

(c) At any meeting, each Holder of a Security of such series or proxy shall be entitled to one vote for each \$1,000 principal amount of Securities of such series held or represented by him; provided, however, that no vote shall be cast or counted at any meeting in respect of any Security challenged as not Outstanding and ruled by the chairman of the meeting to be not Outstanding. The chairman of the meeting shall have no right to vote, except as a Holder of a Security of such series or proxy.

(d) Any meeting of Holders of Securities of any series duly called pursuant to Section 1502 at which a quorum is present may be adjourned from time to time by Persons entitled to vote a majority in principal amount of the Outstanding Securities of such series represented at the meeting; and the meeting may be held as so adjourned without further notice.

SECTION 1506. Counting Votes and Recording Action of Meetings.

The vote upon any resolution submitted to any meeting of Holders of Securities of any series shall be by written ballots on which shall be subscribed the signature of the Holders of Securities of such series or of their representative by proxy and the principal amounts and serial number of the Outstanding Securities of such series held or represented by them. The permanent chairman of the meeting shall appoint two inspectors of votes who shall count all votes cast at the meeting for or against any resolution and who shall make and file with the secretary of the meeting their verified written reports in triplicate of all votes cast at the meeting. A record, at least in triplicate, of the proceedings of each meeting of Holders of Securities of any series shall be prepared by the secretary of the meeting and there shall be attached to said

[Unless this certificate is presented by an authorized representative of The Depository Trust Company, to the issuer or its agent for registration of transfer, exchange or payment, and any certificate issued is registered in the name of Cede & Co. or such other name as is requested by an authorized representative of The Depository Trust Company (and any payment is made to Cede & Co. or to such other entity as is requested by an authorized representative of The Depository Trust Company, ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL since the registered owner hereof, Cede & Co., has an interest herein.)]

[THIS SECURITY IS A GLOBAL SECURITY AS REFERRED TO IN THE INDENTURE HEREINAFTER REFERENCED. UNLESS AND UNTIL IT IS EXCHANGED IN WHOLE OR IN PART FOR THE INDIVIDUAL SECURITIES REPRESENTED HEREBY, THIS GLOBAL SECURITY MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITARY TO A NOMINEE OF THE DEPOSITARY OR BY A NOMINEE OF THE DEPOSITARY TO THE DEPOSITARY OR ANOTHER NOMINEE OF THE DEPOSITARY OR BY THE DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITARY OR A NOMINEE OF SUCH SUCCESSOR DEPOSITARY.]

QUESTAR MARKET RESOURCES, INC.

___% Senior Notes Due 20__

No. _____

\$

QUESTAR MARKET RESOURCES, INC., a corporation duly organized and existing under the laws of Utah (herein called the "Company," which term includes any successor corporation under the Indenture hereinafter referred to), for value received, hereby promises to pay to or duly provide for _____, or registered assigns, the principal sum of _____ on _____, 20__

and to pay interest thereon from _____, 2000 or from the most recent Interest Payment Date to which interest has been paid or duly provided for, semi-annually on May 1 and November 1 in each year, commencing _____, 2000, at the rate of ___% per annum, until the principal hereof is paid or made available for payment, and (to the extent that the payment of such interest shall be legally enforceable) at the rate of ___% per annum on any overdue principal and premium and on any overdue installment of interest. The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date will, as provided in the Indenture, dated as of _____, 2000 (herein called the "Indenture"), between the Company and Bank One Trust Company, NA, as Trustee (herein called the "Trustee"), be paid to the Person in whose name this Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest, which shall be the April 15 or October 15 (whether or not a Business Day), as the case may be, next preceding such Interest Payment Date. Any such interest not so punctually paid or duly provided for will forthwith cease to be payable to the Holder on such Regular Record Date and may either be paid to the Person in whose name this Security (or one or more Predecessor Securities) is registered at the close of business on a Special Record Date for the payment of such Defaulted Interest to be fixed by the Trustee, notice whereof shall be given to Holders of Securities of this series not less than 10 days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Securities of this series may be listed, and upon such notice as may be required by such exchange, all as more fully provided in said Indenture.

Payment of the principal of (and premium, if any) and interest on this Security will be made at the office or agency of the Company in the city of Chicago, Illinois or The City of New York maintained for such purpose, and at any other

office or agency maintained by the Company for such purpose, in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts; provided, however, that at the option of the Company payment of interest may be made by check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register.

This Security is one of a duly authorized issue of securities of the Company (herein called the "Securities"), issued and to be issued in one or more series under the Indenture, to which Indenture and all indentures supplemental thereto reference is hereby made for a statement of the respective rights, limitations of rights, duties and immunities thereunder of the Company, the Trustee and the Holders of the Securities and of the terms upon which the Securities are, and are to be, authenticated and delivered. This Security is one of the series designated above, limited in aggregate principal amount to \$150,000,000.

The Securities of this series are subject to redemption upon not less than 30 days' notice by mail, at any time, as a whole or in part, at the election of the Company, at a Redemption Price equal to the principal amount plus the Make Whole Amount, together with accrued interest to the Redemption Date, but interest installments whose Stated Maturity is on or prior to such Redemption Date will be payable to the Holders of such Securities, or one or more Predecessor Securities, of record at the close of business on the relevant Record Dates referred to above, all as provided in the Indenture. As used herein the following terms will have the definitions given below:

"Make-Whole Amount" for any Security means an amount equal to the excess, if any, of (a) the present value of the remaining principal and interest payments on such Security through the Stated Maturity thereof, computed using a

3

discount rate equal to the Treasury Rate plus _____ basis points, over (b) the outstanding principal amount of such Security.

"Treasury Rate" means, at any date of determination, the yield to maturity as of such date (as compiled by and published in the most recent Federal Reserve Statistical Release H.15 (519), which has become publicly available at least two business days prior to the date of the redemption notice for which such computation is being made, or if such Statistical Release is no longer published, as reported in any publicly available source of similar market data) of United States Treasury securities with a constant maturity most nearly equal to the Make-Whole Average Life; provided, however, that if the Make-Whole Average Life is not equal to the constant maturity of the United States Treasury security for which a weekly average yield is given, the Treasury Rate shall be obtained by linear interpolation (calculated to the nearest one-twelfth of a year) from the weekly average yields of United States Treasury securities for which such yields are given, except that if the Make-Whole Average Life is less than one year, the weekly average yield on actually traded United States Treasury securities adjusted to a constant maturity of one year shall be used.

"Make Whole Average Life" means, with respect to any date of redemption for any Security, the number of years (calculated to the nearest one-twelfth) from such redemption date to the Stated Maturity of such Security.

In the event of redemption of this Security in part only, a new Security or Securities of this series and of like tenor for the unredeemed portion hereof will be issued in the name of the Holder hereof upon the cancellation hereof.

If an Event of Default with respect to Securities of this series shall occur and be continuing, the principal of the Securities of this series may be declared due and payable in the manner and with the effect provided in the Indenture.

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modification of the rights and obligations of the Company and the rights of the Holders of the Securities of each series to be affected under the Indenture at any time by the Company and the Trustee with the consent of the Holders of 66 2/3% in principal amount of the Securities at the time Outstanding of each series to be affected. The Indenture also contains provisions permitting the Holders of specified percentages in aggregate principal amount of the Securities of each series at the time Outstanding, on behalf of the Holders of all Securities of such series, to waive compliance by the Company with certain provisions of the Indenture and certain past defaults under the Indenture and their consequences. Any such consent or waiver by the Holder of this Security shall be conclusive and binding upon such Holder and upon all future Holders of this Security and of any Security issued upon the registration of transfer hereof or in exchange herefor or in lieu hereof, whether or not notation of such consent or waiver is made upon this Security.

No reference herein to the Indenture and no provision of this Security or of the Indenture shall alter or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of (and premium, if any) and interest on this Security at the times, place and rate, and in the coin or currency, herein prescribed.

As provided in the Indenture and subject to certain limitations therein set forth, the transfer of this Security is registerable in the Security Register, upon surrender of this Security for registration of transfer at the office or agency of the Company in any place where the principal of (and premium, if any) and interest on this Security are payable, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Company and the Security Registrar duly executed by, the Holder hereof or his attorney duly authorized in writing, and

thereupon one or more new Securities of this series and of like tenor, of authorized denominations and for the same aggregate principal amount, will be issued to the designated transferee or transferees.

The Securities of this series are issuable only in registered form without coupons in denominations of \$1,000 and any integral multiple thereof. As provided in the Indenture and subject to certain limitations therein set forth, Securities of this series are exchangeable for a like aggregate principal amount of Securities of this series and of like tenor of a different authorized denomination, as requested by the Holder surrendering the same.

No service charge shall be made for any such registration of transfer or exchange, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

Prior to due presentment of this Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name this Security is registered as the owner hereof for all purposes, whether or not this Security be overdue, and neither the Company, the Trustee nor any such agent shall be affected by notice to the contrary.

All terms used in this Security which are defined in the Indenture shall have the meanings assigned to them in the Indenture.

Unless the certificate of authentication hereon has been executed by the Trustee by manual signature, this Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

IN WITNESS WHEREOF, the Company has caused this instrument to be duly executed under its corporate seal.
Dated:

QUESTAR MARKET RESOURCES, INC.

By _____

Attest:

TRUSTEE'S CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

BANK ONE TRUST COMPANY, NA
as Trustee

By _____

Authorized Signature

Questar Corporation
180 East 100 South
P.O. Box 45433
Salt Lake City, UT 84145
Connie C. Holbrook
Vice President, General Counsel,
and Corporate Secretary

Tel: 801 324 5202
Fax: 801 324 5483
E-mail: ConnieH@qstr.com

April 12, 2000

Questar Market Resources, Inc.
180 East 100 South Street
P.O. Box 45601
Salt Lake City, Utah 84145-0601

Ladies and Gentlemen:

Re: Questar Market Resources, Inc., Registration Statement on Form S-3
Relating to \$150,000,000 Principal Amount of Senior Notes

I am acting as counsel for Questar Market Resources, Inc., a Utah corporation (the "Company"), in connection with the preparation of a Registration Statement on Form S-3 to be filed by the Company with the Securities and Exchange Commission (the "Commission") on the date of this letter (the "Registration Statement"). The Registration Statement relates to the issuance and sale of up to \$150,000,000 aggregate principal amount of the Company's Senior Notes (the "Notes") to be issued pursuant to an indenture (the "Indenture") by and between the Company and Bank One Trust Company, NA, as trustee (the "Trustee").

This opinion is delivered in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act of 1933, as amended (the "1933 Act").

In connection with this opinion, I have examined and am familiar with originals or copies, certified or otherwise identified to my satisfaction, of such documents, agreements, certificates and corporate or other records as I have deemed necessary or appropriate as a basis for this opinion. This includes: (i) the Registration Statement (together with the form of preliminary prospectus that is a

part of it) in the form to be filed by the Company with the Commission on the date of this letter; (ii) the Indenture; (iii) the form of the Notes issuable under the Indenture; (iv) the Form T-1 of the Trustee being filed with the Commission as Exhibit 25.01 to the Registration Statement pursuant to the Trust Indenture Act of 1939, as amended; (v) the Articles of Incorporation and Bylaws of the Company, each as amended through the date of this letter; (vi) resolutions of the Board of Directors of the Company relating to the filing of the Registration Statement and the proposed issuance of the Notes; and (vii) the form of Purchase Agreement to be entered into among the Company, Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Inc. Banc of America Securities LLC, Banc One Capital Markets, Inc., and TD Securities (USA) Inc. and being filed as Exhibit 1.01 to the Registration Statement. In my examination, I have assumed the genuineness of all signatures, the legal capacity of all natural persons, the authenticity of all documents submitted to me as originals, the conformity to the original documents submitted to me as certified or photostatic copies and the authenticity of the originals of such latter documents. As to any facts material to this opinion that were not independently established or verified, I have relied upon statements and representations of officers and other representatives of the Company and others.

I am admitted to the Bar of the State of Utah, and I express no opinion as to the laws of any other jurisdiction. To the extent that the opinion set forth below relates to matters under the laws of the State of New York, I have relied on the opinion of Skadden, Arps, Slate, Meagher & Flom LLP, special counsel for the Company, which is being filed as Exhibit 5.02 to the Registration Statement.

Based on and subject to the foregoing, I have formed the following opinion: When (1) the Registration Statement has become effective under the 1933 Act, (2) the definitive terms of the Notes and of their issue and sale have been duly established in conformity with the Indenture so as not to violate any applicable law or agreement or instrument then binding on the Company, and (3) the Notes have been duly executed and authenticated in accordance with such Indenture and have been issued and sold as contemplated in the Registration Statement, the prospectus contained in it and any supplement (the "Prospectus"), the Notes will constitute valid and legally binding obligations of the Company, entitled to the benefits provided by the Indenture and enforceable against the Company in accordance with their terms, except to the extent that enforcement may be limited by (a) bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium or other similar laws now or hereafter in effect relating to creditors' rights generally and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity).

2

I further consent to the reference made to me under the heading "Legal Matters" in the Prospectus and the filing of this opinion as Exhibit 5.01 to the Registration Statement. In giving such consent, I do not admit that I am in the category of persons whose consent is required under Section 7 of the 1933 Act.

Sincerely,

/s/ Connie C. Holbrook

Connie C. Holbrook
Vice President, General Counsel
and Corporate Secretary

3

[SASM&F Letterhead]

April 12, 2000

Connie C. Holbrook, Esq.
Questar Market Resources, Inc.
180 East 100 South Street
P.O. Box 45601
Salt Lake City, Utah 84145-0601

Re: Questar Market Resources, Inc.
Registration Statement on Form S-3

Dear Ms. Holbrook:

We have acted as special counsel to Questar Market Resources, Inc., a Utah corporation (the "Company"), in connection with the public offering of \$150,000,000 aggregate principal amount of the Company's Senior Notes (the "Senior Notes") to be issued under an indenture (the "Indenture") to be entered into between the Company and Bank One Trust Company, NA, as trustee (the "Trustee").

This opinion is being furnished to you in connection with your opinion to be furnished in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act of 1933, as amended (the "Act").

In connection with this opinion, we have examined originals or copies, certified or otherwise identified to our satisfaction, of (i) the Registration Statement on Form S-3 as filed with the Securities and Exchange Commission (the "Commission") on the date hereof under the Act (such Registration Statement being hereinafter referred to as the "Registration Statement"); (ii) the form of the Purchase Agreement (the "Purchase Agreement") proposed to be entered into between the Company, as issuer, and Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner &

Questar Market Resources, Inc.
April 12, 2000
Page 2

Smith Incorporated, Banc One Capital Markets, Inc., Banc of America Securities LLC and TD Securities (USA) Inc., as representatives of the several underwriters named therein (the "Underwriters"), filed as an exhibit to the Registration Statement; (iii) the form of the Indenture filed as an exhibit to the Registration Statement; (iv) the form of Senior Notes. We have also examined originals or copies, certified or otherwise identified to our satisfaction, of such records of the Company and such agreements, certificates of public officials, certificates of officers or other representatives of the Company and others, and such other documents, certificates and records as we have deemed necessary or appropriate as a basis for the opinions set forth herein.

In our examination, we have assumed the legal capacity of all natural persons, the genuineness of all signatures, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as certified, conformed or photostatic copies and the authenticity of the originals of such latter documents. In making our examination of documents executed or to be executed by the parties, we have assumed that such parties (including the Company) had or will have the power, corporate or other, to enter into and perform all obligations thereunder and have also assumed the due authorization by all requisite action, corporate or

other, and execution and delivery by such parties of such documents and, except as set forth below with respect to the Company, the validity and binding effect thereof. We have also assumed that (a) the Company has been duly organized and is validly existing under the laws of the State of Utah and that the Company has complied with all aspects of Utah law in connection with the Indenture and the transactions contemplated by the Registration Statement and (b) the execution and delivery by the Company of the Indenture and the Senior Notes and the performance of its obligations thereunder do not and will not violate, conflict with or constitute a default under (i) any agreement or instrument to which the Company or its properties is subject, (ii) any law, rule, or regulation to which the Company is subject, (iii) any judicial or regulatory order or decree of any governmental authority or (iv) any consent, approval, license, authorization or validation of, or filing, recording or registration with any governmental authority. As to any facts material to the opinions expressed herein which we have not independently established or verified, we have relied upon statements and representations of officers and other representatives of the Company and others.

Our opinions set forth herein are limited to the laws of the State of New York which are normally applicable to transactions of the type contemplated by the Indenture and the Senior Notes and, to the extent that judicial or regulatory orders or decrees or consents, approvals, licenses, authorizations, validations, filings, recordings or registrations with governmental authorities are relevant, to those required under such laws (all of the foregoing being referred to as "Opined on Law"). We do not express any opinion with respect to the law of any jurisdiction other than the foregoing jurisdictions relating to Opined on Law or as to the effect of any such non opined law on the opinions herein stated.

Questar Market Resources, Inc.
April 12, 2000
Page 3

Based upon and subject to the foregoing and the limitations, qualifications, exceptions and assumptions set forth herein, we are of the opinion that when the Senior Notes have been duly executed and authenticated in accordance with the terms of the Indenture and have been delivered to and paid for by the Underwriters as contemplated by the Purchase Agreement, the Senior Notes will be valid and binding obligations of the Company entitled to the benefits of the Indenture and enforceable against the Company in accordance with their terms, except to the extent that enforcement thereof may be limited by (a) bankruptcy, insolvency, reorganization, moratorium, fraudulent conveyance or other similar laws now or hereafter in effect relating to creditors' rights generally and (b) general principles of equity (regardless of whether enforceability is considered in a proceeding at law or in equity).

We hereby consent to the filing of this opinion with the Commission as an exhibit to the Registration Statement. We also consent to the reference to our firm under the caption "Legal Matters" in the Registration Statement. In giving this consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission.

Very truly yours,

/s/ Skadden, Arps, Slate, Meagher & Flom LLP

Skadden, Arps, Slate, Meagher & Flom LLP

QUESTAR MARKET RESOURCES, INC. AND SUBSIDIARIES
RATIO OF EARNINGS TO FIXED CHARGES

The ratios of earnings to fixed charges for 1997, 1998 and 1999 are derived from audited financial statements of Questar Market Resources. The ratios for 1995 and 1996 are derived from unaudited financial statements.

	YEAR ENDED DECEMBER 31,				
	1999	1998	1997	1996	1995
	(DOLLARS IN THOUSANDS)				
Earnings					
Income from continuing operations before income taxes	\$64,450	\$15,706	\$49,521	\$56,134	\$43,638
Less income, plus loss from Canyon Creek.....	(231)	(202)	(160)	35	(141)
Plus distribution from Canyon Creek.....	297	281	334	60	314
Plus loss from Questar WMC.....			65	546	114
Plus debt expense.....	17,363	12,631	10,882	8,699	6,323
Plus interest capitalized during construction.....	357	1,363	604	70	63
Plus interest portion of rental expense.....	855	699	556	500	441
	<u>\$83,091</u>	<u>\$30,478</u>	<u>\$61,802</u>	<u>\$66,044</u>	<u>\$50,752</u>
Fixed Charges					
Debt expense.....	\$17,363	\$12,631	\$10,882	\$ 8,699	\$ 6,323
Plus interest capitalized during construction.....	357	1,363	604	70	63
Plus interest portion of rental expense.....	855	699	556	500	441
	<u>\$18,575</u>	<u>\$14,693</u>	<u>\$12,042</u>	<u>\$ 9,269</u>	<u>\$ 6,827</u>
Ratio of Earnings to Fixed Charges.....	4.47	2.07	5.13	7.13	7.43

1. For purposes of this presentation, earnings represent income from continuing operations before income taxes and fixed charges. Fixed charges consist of total interest charges and amortization of debt issuance costs and the interest portion of rental costs (which is estimated at 50%).

2. Write-downs of investment in oil and gas properties reduced income before income taxes by \$31 million in 1998 and \$9 million in 1997.

Consent of Ernst & Young LLP, Independent Auditors

We consent to the reference to our firm under the caption "Experts" in the Registration Statement (Form S-3) and related Prospectus of Questar Market Resources, Inc. for the registration of \$150,000,000 of senior notes and to the incorporation by reference therein of our report dated February 7, 2000, with respect to the consolidated financial statements of Questar Market Resources, Inc. for the year ended December 31, 1999 included in its Report on Form 10 dated April 11, 2000, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Ernst & Young LLP

Salt Lake City, Utah
April 10, 2000

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM T-1

STATEMENT OF ELIGIBILITY

UNDER THE TRUST INDENTURE ACT OF 1939
OF A CORPORATION DESIGNATED TO ACT AS TRUSTEE

CHECK IF AN APPLICATION TO DETERMINE ELIGIBILITY
OF A TRUSTEE PURSUANT TO SECTION 305(b)(2)

Bank One Trust Company, National Association
(Exact name of trustee as specified in its charter)

A National Banking Association	31-0838515 (I.R.S. employer identification number)
100 East Broad Street, Columbus, Ohio (Address of principal executive offices)	43271-0181 (Zip Code)

Bank One Trust Company, NA
One North State Street, 9th Floor
Chicago, Illinois 60602
Attn: Sandra L. Caruba, Vice President and Senior Counsel, (312) 336-9436
(Name, address and telephone number of agent for service)

QUESTAR MARKET RESOURCES, INC.
(Exact name of obligor as specified in its charter)

Utah (State or other jurisdiction of incorporation or organization)	87-0287750 (I.R.S. employer identification number)
180 E. 100 South P. O. Box 45601 Salt Lake City, Utah (Address of principal executive offices)	84145-0601 (ZIP Code)

Debt Securities
(Title of Indenture Securities)

- Item 1. General Information. Furnish the following information as to the trustee:
- (a) Name and address of each examining or supervising authority to which it is subject.
- Comptroller of Currency, Washington, D.C.;
Federal Deposit Insurance Corporation,
Washington, D.C.; The Board of Governors of
the Federal Reserve System, Washington D.C.
- (b) Whether it is authorized to exercise corporate trust powers.

The trustee is authorized to exercise corporate trust powers.

Item 2. Affiliations With the Obligor. If the obligor is an affiliate of the trustee, describe each such affiliation.

No such affiliation exists with the trustee.

Item 16. List of exhibits. List below all exhibits filed as a part of this Statement of Eligibility.

1. A copy of the articles of association of the trustee now in effect.
2. A copy of the certificate of authority of the trustee to commence business.
3. A copy of the authorization of the trustee to exercise corporate trust powers.
4. A copy of the existing by-laws of the trustee.
5. Not Applicable.
6. The consent of the trustee required by Section 321(b) of the Act.

7. A copy of the latest report of condition of the trustee published pursuant to law or the requirements of its supervising or examining authority.

8. Not Applicable.

9. Not Applicable.

Pursuant to the requirements of the Trust Indenture Act of 1939, as amended, the trustee, Bank One Trust Company, National Association, a national banking association organized and existing under the laws of the United States of America, has duly caused this Statement of Eligibility to be signed on its behalf by the undersigned, thereunto duly authorized, all in the City of Chicago and State of Illinois, on the 29th day of March, 2000.

Bank One Trust Company, National Association,
Trustee

By /s/ Sandra L. Caruba
Sandra L. Caruba
Vice President

0

EXHIBIT 1

A COPY OF THE ARTICLES OF ASSOCIATION OF THE
TRUSTEE NOW IN EFFECT

AMENDED AND RESTATED

ARTICLES OF ASSOCIATION

of

BANK ONE TRUST COMPANY, NATIONAL ASSOCIATION

FIRST. The title of this Association shall be BANK ONE TRUST COMPANY, NATIONAL ASSOCIATION.

SECOND. The main office of the Association shall be in the City of Columbus, County of Franklin, State of Ohio.

The business of the Association will be limited to the fiduciary powers and the support of activities incidental to the exercise of those powers. The Association will not expand or alter its business beyond that stated in this article without the prior approval of the Comptroller of the Currency.

THIRD. The Board of Directors of this Association shall consist of not less than five nor more than twenty-five persons, the exact number to be fixed and determined from time to time by resolution of a majority of the full Board of Directors or by resolution of a majority of the shareholders at any annual or special meeting thereof. Each director shall own common or preferred stock of the Association, or of a holding company owning the Association, with an aggregate par, fair market or equity value of not less than \$1,000, as of either (i) the date of purchase, (ii) the date the person became a director, or (iii) the date of that person's most recent election to the Board of Directors, whichever is more recent. Any combination of common or preferred stock of the Association or holding company may be used.

Any vacancy in the Board of Directors may be filled by action of a majority of the remaining directors between meetings of shareholders. The Board of Directors may not increase the number of directors between meetings of shareholders to a number which: (1) exceeds by more than two the number of directors last elected by shareholders where the number was 15 or less; or (2) exceeds by more than four the number of directors last elected by shareholders where the number was 16 or more, but in no event shall the number of directors exceed 25.

Terms of directors, including directors selected to fill vacancies, shall expire at the next regular meeting of shareholders at which directors are elected, unless the directors resign or are removed from office.

Despite the expiration of a director's term, the director shall continue to serve until his or her successor is elected and qualifies or until there is a decrease in the number of directors and his or her position is eliminated.

Honorary or advisory members of the Board of Directors, without voting power or power of final decision in matters concerning the business of the Association, may be appointed by resolution of a majority of the full Board of Directors, or by resolution of shareholders at any annual or special meeting. Honorary or advisory directors shall not be counted to determine the number of directors of the Association or the presence of a quorum in connection with any board action, and shall not be required to own qualifying shares.

FOURTH. There shall be an annual meeting of the shareholders to elect directors and transact whatever other business may be brought before the meeting. It shall be held at the main office or any other convenient place the Board of Directors may designate, on the day of each year specified therefor in the Bylaws or, if that day falls on a legal holiday in the state in which the Association is located, on the next following banking day. If no election is held on the day fixed or in the event of a legal holiday on the following banking day, an election may be held on any subsequent day within 60 days of the day fixed, to be designated by the Board of Directors or, if the directors fail to fix the day, by shareholders representing two-thirds of the shares issued and outstanding. In all cases at least 10 days advance notice of the meeting shall be given to the shareholders by first class mail.

In all elections of directors, the number of votes each common shareholder may cast will be determined by multiplying the number of shares such shareholder owns by the number of directors to be elected. Those votes may be cumulated and cast for a single candidate or may be distributed among two or more candidates in the manner selected by the shareholder. On all other questions, each common shareholder shall be entitled to one vote for each share of stock held by such shareholder. If the issuance of preferred stock with voting rights has been authorized by a vote of shareholders owning a majority of the common stock of the association, preferred shareholders will have cumulative voting rights and will be included within the same class as common shareholders, for purposes of

elections of directors.

A director may resign at any time by delivering written notice to the Board of Directors, its chairperson, or to the Association, which resignation shall be effective when the notice is delivered unless the notice specifies a later effective date.

A director may be removed by shareholders at a meeting called to remove him or her, when notice of the meeting stating that the purpose or one of the purposes is to remove him or her is provided, if there is a failure to fulfill one of the affirmative requirements for qualification, or for cause, provided, however, that a director may not be removed if the number of votes sufficient to elect him or her under cumulative voting is voted against his or her removal.

FIFTH. The authorized amount of capital stock of this Association shall be eighty thousand shares of common stock of the par value of ten dollars (\$10.00) each; but said capital stock may be increased or decreased from time to time, according to the provisions of the laws of the United States.

No holder of shares of the capital stock of any class of the Association shall have any preemptive or preferential right of subscription to any shares of any class of stock of the Association, whether now or hereafter authorized, or to any obligations convertible into stock of the Association, issued or sold, nor any right of subscription to any thereof other than such, if any, as the Board of Directors, in its discretion, may from time to time determine and at such price as the Board of Directors may from time to time fix. Unless otherwise specified in the Articles of Association or required by law, (1) all matters requiring shareholder action, including amendments to the Articles of Association, must be approved by shareholders owning a majority voting interest in the outstanding voting stock, and (2) each shareholder shall be entitled to one vote per share.

Unless otherwise specified in the Articles of Association or required by law, all shares of voting stock shall be voted together as a class on any matters requiring shareholder approval. If a proposed amendment would affect two or more classes or series in the same or a substantially similar way, all the classes or series so affected must vote together as a single voting group on the proposed amendment.

Shares of the same class or series may be issued as a dividend on a pro rata basis and without consideration. Shares of another class or series may be issued as share dividends in respect

of a class or series of stock if approved by a majority of the votes entitled to be cast by the class or series to be issued unless there are no outstanding shares of the class or series to be issued. Unless otherwise provided by the Board of Directors, the record date for determining shareholders entitled to a share dividend shall be the date the Board of Directors authorizes the share dividend.

Unless otherwise provided in the Bylaws, the record date for determining shareholders entitled to notice of and to vote at any meeting is the close of business on the day before the first notice is mailed or otherwise sent to the shareholders, provided that in no event may a record date be more than 70 days before the meeting.

If a shareholder is entitled to fractional shares pursuant to preemptive rights, a stock dividend, consolidation or merger, reverse stock split or otherwise, the Association may: (a) issue fractional shares or; (b) in lieu of the issuance of fractional shares, issue script or warrants entitling the holder to receive a full share upon surrendering enough script or warrants to equal a full share; (c) if there is an established and active market in the Association's stock, make reasonable arrangements to provide the shareholder with an opportunity to realize a fair price through sale of the fraction, or purchase of the additional fraction required for a full share; (d) remit the cash equivalent of the fraction to the shareholder; or (e) sell full shares representing all the fractions at public auction or to the highest bidder after having solicited and received sealed bids from at least three licensed stock brokers, and distribute the proceeds pro rata to shareholders who otherwise would be entitled to the fractional shares. The holder of a fractional share is entitled to exercise the rights for shareholder, including the right to vote, to receive dividends, and to participate in the assets of the Association upon liquidation, in proportion to the fractional interest. The holder of script or warrants is not entitled to

any of these rights unless the script or warrants explicitly provide for such rights. The script or warrants may be subject to such additional conditions as: (1) that the script or warrants will become void if not exchanged for full shares before a specified date; and (2) that the shares for which the script or warrants are exchangeable may be sold at the option of the Association and the proceeds paid to scripsholders.

The Association, at any time and from time to time, may authorize and issue debt obligations, whether or not subordinated, without the approval of the shareholders. Obligations classified as debt, whether or not subordinated, which may be issued by the Association without the approval of shareholders, do not carry voting rights on any issue, including an increase or decrease in the aggregate number of the securities, or the exchange or reclassification of all or part of securities into securities of another class or series.

SIXTH. The Board of Directors shall appoint one of its members president of this Association, and one of its members chairperson of the board and shall have the power to appoint one or more vice presidents, a secretary who shall keep minutes of the directors' and shareholders' meetings and be responsible for authenticating the records of the Association, and such other officers and employees as may be required to transact the business of this Association. A duly appointed officer may appoint one or more officers or assistant officers if authorized by the Board of Directors in accordance with the Bylaws.

The Board of Directors shall have the power to:

- (1) Define the duties of the officers, employees, and agents of the Association.
- (2) Delegate the performance of its duties, but not the responsibility for its duties, to the officers, employees, and agents of the Association.
- (3) Fix the compensation and enter into employment contracts with its officers and employees upon reasonable terms and conditions consistent with applicable law.
- (4) Dismiss officers and employees.
- (5) Require bonds from officers and employees and to fix the penalty thereof.
- (6) Ratify written policies authorized by the Association's management or committees of the board.
- (7) Regulate the manner in which any increase or decrease of the capital of the Association shall be made, provided that nothing herein shall restrict the power of shareholders to increase or decrease the capital of the association in accordance with law, and nothing shall raise or lower from two-thirds the percentage for shareholder approval to increase or reduce the capital.
- (8) Manage and administer the business and affairs of the Association.
- (9) Adopt initial Bylaws, not inconsistent with law or the Articles of Association, for managing the business and regulating the affairs of the Association.
- (10) Amend or repeal Bylaws, except to the extent that the Articles of Association reserve this power in whole or in part to shareholders.
- (11) Make contracts.
- (12) Generally perform all acts that are legal for a Board of Directors to perform.

SEVENTH. The Board of Directors shall have the power to change the location of the main office of this Association to any other place within the limits of the City of Columbus, State of Ohio, without the approval of the shareholders; and shall have the power to change the location of the main office of this Association to any other place outside the limits of the City of Columbus, State of Ohio, but not more than thirty miles beyond such limits, with the affirmative vote of shareholders owning two-thirds of the stock of the Association, subject to receipt of a certificate of approval from the Comptroller of the Currency. The Board of Directors shall have the power to establish or change the location

of any branch or branches of the Association to any other location permitted under applicable law without the approval of the shareholders, subject to approval by the Office of the Comptroller of the Currency. The Board of Directors shall have the power to establish or change the location of any nonbranch office or facility of the Association without the approval of the shareholders.

EIGHTH. The corporate existence of this Association shall continue until termination according to the laws of the United States.

NINTH. The Board of Directors of this Association, or any shareholders owning, in the aggregate, not less than 20 percent of the stock of this Association, may call a special meeting of shareholders at any time. Unless otherwise provided by the Bylaws or the laws of the United States, or waived by shareholders, a notice of the time, place, and purpose of every annual and special meeting of the shareholders shall be given by first-class mail, postage prepaid, mailed at least 10, and no more than 60, days prior to the date of the meeting to each shareholder of record at his/her address as shown upon the books of this Association. Unless otherwise provided by the Bylaws, any action requiring approval of shareholders must be effected at a duly called annual or special meeting.

TENTH. The Association shall provide indemnification as set forth below:

Every person who is or was a Director, officer or employee of the Association or of any other corporation which he served as a Director, officer or employee at the request of the Association

as part of his regularly assigned duties may be indemnified by the Association in accordance with the provisions of this Article against all liability (including, without limitation, judgments, fines, penalties, and settlements) and all reasonable expenses (including, without limitation, attorneys' fees and investigative expenses) that may be incurred or paid by him in connection with any claim, action, suit or proceeding, whether civil, criminal or administrative (all referred to hereafter in this Article as "Claims") or in connection with any appeal relating thereto in which he may become involved as a party or otherwise or with which he may be threatened by reason of his being or having been a Director, officer or employee of the Association or such other corporation, or by reason of any action taken or omitted by him in his capacity as such Director, officer or employee, whether or not he continues to be such at the time such liability or expenses are incurred; provided that nothing contained in this Article shall be construed to permit indemnification of any such person who is adjudged guilty of, or liable for, willful misconduct, gross neglect of duty or criminal acts, unless, at the time such indemnification is sought, such indemnification in such instance is permissible under applicable law and regulations, including published rulings of the Comptroller of the Currency or other appropriate supervisory or regulatory authority; and provided further that there shall be no indemnification of Directors, officers, or employees against expenses, penalties, or other payments incurred in an administrative proceeding or action instituted by an appropriate regulatory agency which proceeding or action results in a final order assessing civil money penalties or requiring affirmative action by an individual or individuals in the form of payments to the Association.

Every person who may be indemnified under the provisions of this Article and who has been wholly successful on the merits with respect to any Claim shall be entitled to indemnification as of right. Except as provided in the preceding sentence, any indemnification under this Article shall be at the sole discretion of the Board of Directors and shall be made only if the Board of Directors or the Executive Committee acting by a quorum consisting of Directors who are not parties to such Claim shall find or if independent legal counsel (who may be the regular counsel of the Association) selected by the Board of Directors or Executive Committee whether or not a disinterested quorum exists shall render their opinion that in view of all of the circumstances then surrounding the Claim, such indemnification is equitable and in the best interests of the Association. Among the circumstances to be taken into consideration in arriving at such a finding or opinion is the existence or non-existence of a contract of insurance or indemnity under which the Association would be wholly or partially reimbursed for such indemnification, but the existence or non-existence of such insurance is not the sole circumstance to be considered nor shall it be wholly determinative of whether such indemnification shall be made. In addition to such finding or opinion, no indemnification under this Article shall be made unless

the Board of Directors or the Executive Committee acting by a quorum consisting of Directors who are not parties to such Claim shall find or if independent legal counsel (who may be the regular counsel of the Association) selected by the Board of Directors or Executive Committee whether or not a disinterested quorum exists shall render their opinion that the Directors, officer or employee acted in good faith in what he reasonably believed to be the best interests of the Association or such other corporation and further in the case of any criminal action or proceeding, that the Director, officer or employee reasonably believed his conduct to be lawful. Determination of any Claim by judgment adverse to a Director, officer or employee by settlement with or without Court approval or conviction upon a plea of guilty or of nolo contendere or its equivalent shall not create a presumption that a Director, officer or employee failed to meet the standards of conduct set forth in this Article. Expenses incurred with respect to any Claim may be advanced by the Association prior to the final disposition thereof upon receipt of an undertaking satisfactory to the Association by or on behalf of the recipient to repay such amount unless it is ultimately determined that he is entitled to indemnification under this Article.

The rights of indemnification provided in this Article shall be in addition to any rights to which any Director, officer or employee may otherwise be entitled by contract or as a matter of law. Every person who shall act as a Director, officer or employee of this Association shall be

conclusively presumed to be doing so in reliance upon the right of indemnification provided for in this Article.

ELEVENTH. These Articles of Association may be amended at any regular or special meeting of the shareholders by the affirmative vote of the holders of a majority of the stock of this Association, unless the vote of the holders of a greater amount of stock is required by law, and in that case by the vote of the holders of such greater amount. The Association's Board of Directors may propose one or more amendments to the Articles of Association for submission to the shareholders.

EXHIBIT 2

A COPY OF THE CERTIFICATE OF AUTHORITY OF THE
TRUSTEE TO COMMENCE BUSINESS

CERTIFICATE

I, John D. Hawke, Jr., Comptroller of the Currency, do hereby certify that:

1. The Comptroller of the Currency, pursuant to Revised Statutes 324, et seq., as amended, 12 U.S.C. 1, et seq., as amended, has possession, custody and control of all records pertaining to the chartering of all National Banking Associations.

2. "Bank One Trust Company, National Association," Columbus, Ohio, (Charter No. 16235) is a National Banking Association formed under the laws of the United States and is authorized thereunder to transact the business of banking on the date of this Certificate.

IN TESTIMONY WHEREOF, I have hereunto
subscribed my name and caused my seal of
office to be affixed to these presents at the
Treasury Department in the City of
Washington and District of Columbia, this
15th day of September, 1999.

/s/ John D. Hawke, Jr.

Comptroller of the Currency

EXHIBIT 3

A COPY OF THE AUTHORIZATION OF THE TRUSTEE
TO EXERCISE CORPORATE TRUST POWERS

CERTIFICATE

I, John D. Hawke, Jr., Comptroller of the Currency, do hereby
certify that:

1. The Comptroller of the Currency, pursuant to Revised Statutes
324, et seq., as amended, 12 U.S.C. 1, et seq., as amended, has
possession, custody and control of all records pertaining to the
chartering of all National Banking Associations.

2. "Bank One Trust Company, National Association," Columbus,
Ohio, (Charter No. 16235) was granted, under the hand and seal of
the Comptroller, the right to act in all fiduciary capacities
authorized under the provisions of the Act of Congress approved
September 28, 1962, 76 Stat. 668, 12 U.S.C. 92a, and that the
authority so granted remains in full force and effect on the date
of this Certificate.

IN TESTIMONY WHEREOF, I have hereunto
subscribed my name and caused my seal of
office to be affixed to these presents at the
Treasury Department in the City of
Washington and District of Columbia, this
15th day of September, 1999.

/s/ John D. Hawke, Jr.

Comptroller of the Currency

EXHIBIT 4

A COPY OF THE EXISTING BY-LAWS OF THE TRUSTEE

BANK ONE TRUST COMPANY, NATIONAL ASSOCIATION
BY-LAWS

ARTICLE I

MEETINGS OF SHAREHOLDERS

SECTION 1.01. ANNUAL MEETING. The regular annual meeting of the shareholders of
the Bank for the election of Directors and for the transaction of such business
as may properly come before the meeting shall be held at its main office, or

other convenient place duly authorized by the Board of Directors, on the same day upon which any regular or special Board meeting is held from and including the first Monday of January to, and including, the fourth Monday of February of each year, or on the next succeeding banking day, if the day fixed falls on a legal holiday. If from any cause, an election of Directors is not made on the day fixed for the regular meeting of the shareholders or, in the event of a legal holiday, on the next succeeding banking day, the Board of Directors shall order the election to be held on some subsequent day, as soon thereafter as practicable, according to the provisions of law; and notice thereof shall be given in the manner herein provided for the annual meeting. Notice of such annual meeting shall be given by or under the direction of the Secretary, or such other officer as may be designated by the Chief Executive Officer, by first-class mail, postage prepaid, to all shareholders of record of the Bank at their respective addresses as shown upon the books of the Bank mailed not less than ten days prior to the date fixed for such meeting.

SECTION 1.02. SPECIAL MEETINGS. A special meeting of the shareholders of the Bank may be called at any time by the Board of Directors or by any three or more shareholders owning, in the aggregate, not less than ten percent of the stock of the Bank. Notice of any special meeting of the shareholders called by the Board of Directors, stating the time, place and purpose of the meeting, shall be given by or under the direction of the Secretary, or such other officer as is designated by the Chief Executive Officer, by first-class mail, postage prepaid, to all shareholders of record of the Bank at their respective addresses as shown upon the books of the Bank mailed not less than ten days prior to the date fixed for such meeting. Any special meeting of shareholders shall be conducted and its proceedings recorded in the manner prescribed in these By-Laws for annual meetings of shareholders.

SECTION 1.03. SECRETARY OF MEETING OF SHAREHOLDERS. The Board of Directors may designate a person to be the secretary of the meeting of shareholders. In the absence of a presiding officer, as designated by these By-Laws, the Board of Directors may designate a person to act as the presiding officer. In the event the Board of Directors fails to designate a person to preside at a meeting of shareholders and a secretary of such meeting, the shareholders present or represented shall elect a person to preside and a person to serve as secretary of the meeting. The secretary of the meeting of shareholders shall cause the returns made by the judges of election and other proceedings to be recorded in the minute books of the Bank. The presiding officer shall notify the Directors-elect of their election and to meet forthwith for the organization of the new Board of Directors. The minutes of the meeting shall be signed by the presiding officer and the secretary designated for the meeting.

SECTION 1.04. JUDGES OF ELECTION. The Board of Directors may appoint as many as three shareholders to be judges of the election, who shall hold and conduct the same, and who shall, after the election has been held, notify, in writing over their signatures, the secretary of the meeting of shareholders of the result thereof and the names of the Directors elected; provided, however, that upon failure for any reason of any judge or judges of election, so appointed by the Directors, to serve, the presiding officer of the meeting shall appoint other shareholders or their proxies to fill the vacancies. The judges of election, at the request of the chairman of the meeting, shall act as tellers of any other vote by ballot taken at such meeting, and shall notify, in writing over their signature, the secretary of the Board of Directors of the result thereof.

SECTION 1.05. PROXIES. In all elections of Directors, each shareholder of record, who is qualified to vote under the provisions of Federal Law, shall have the right to vote the number of shares of record in such shareholder's name for as many persons as there are Directors to be elected, or to cumulate such shares as provided by Federal Law. In deciding all other questions at meetings of shareholders, each shareholder shall be entitled to one vote on each share of stock of record in such shareholder's name. Shareholders may vote by proxy duly authorized in writing. All proxies used at the annual meeting shall be secured for that meeting only, or any adjournment thereof, and shall be dated, if not dated by the shareholder, as of the date of the receipt thereof. No officer or employee of this Bank may act as proxy.

SECTION 1.06. QUORUM. Holders of record of a majority of the shares of the capital stock of the Bank, eligible to be voted, present either in person or by proxy, shall constitute a quorum for the transaction of business at any meeting of shareholders, but shareholders present at any meeting and constituting less than a quorum may, without further notice, adjourn the meeting from time to time until a quorum is obtained. A majority of the votes cast shall decide every

question or matter submitted to the shareholders at any meeting, unless otherwise provided by law or by the Articles of Association.

ARTICLE II
DIRECTORS

SECTION 2.01. QUALIFICATIONS. Each Director shall have the qualifications prescribed by law. No person elected as a Director may exercise any of the powers of office until such Director has taken the oath of such office.

SECTION 2.02. VACANCIES. Directors of the Bank shall hold office for one year or until their successors are elected and qualified. Any vacancy in the Board shall be filled by appointment of the remaining Directors, and any Director so appointed shall hold office until the next election.

SECTION 2.03. ORGANIZATION MEETING. The Directors elected by the shareholders shall meet for organization of the new Board of Directors at the time and place fixed by the presiding officer of the annual meeting. If at the time fixed for such meeting there is no quorum present, the Directors in attendance may adjourn from time to time until a quorum is obtained. A majority of the number of Directors elected by the shareholders shall constitute a quorum for the transaction of business.

SECTION 2.04. REGULAR MEETINGS. The regular meetings of the Board of Directors shall be held at such date, time and place as the Board may previously designate, or should the Board fail to so designate, at such date, time and place as the Chairman of the Board, Chief Executive Officer, or President may fix. Whenever a quorum is not present, the Directors in attendance shall adjourn the meeting to a time not later than the date fixed by the By-Laws for the next succeeding regular meeting of the Board. Members of the Board of Directors may participate in such meetings through use of conference telephone or similar communications equipment, so long as all members participating in such meetings can hear one another.

SECTION 2.05. SPECIAL MEETINGS. Special meetings of the Board of Directors shall be held at the call of the Chairman of the Board, Chief Executive Officer, or President, or at the request of two or more Directors. Any special meeting may be held at such place and at such

time as may be fixed in the call. Written or oral notice shall be given to each Director not later than the day next preceding the day on which the special meeting is to be held, which notice may be waived in writing. The presence of a Director at any meeting of the Board of Directors shall be deemed a waiver of notice thereof by such Director. Whenever a quorum is not present, the Directors in attendance shall adjourn the special meeting from day to day until a quorum is obtained. Members of the Board of Directors may participate in such meetings through use of conference telephone or similar communications equipment, so long as all members participating in such meetings can hear one another.

SECTION 2.06. QUORUM. A majority of the Directors shall constitute a quorum at any meeting, except when otherwise provided by law; but a lesser number may adjourn any meeting, from time-to-time, and the meeting may be held, as adjourned, without further notice. When, however, less than a quorum as herein defined, but at least one-third and not less than two of the authorized number of Directors are present at a meeting of the Directors, business of the Bank may be transacted and matters before the Board approved or disapproved by the unanimous vote of the Directors present.

SECTION 2.07. COMPENSATION. Each member of the Board of Directors shall receive such fees for attendance at Board and Board committee meetings and such fees for service as a Director, irrespective of meeting attendance, as from time to time are fixed by resolution of the Board; provided, however, that payment hereunder shall not be made to a Director for meetings attended and/or Board service which are not for the Bank's sole benefit and which are concurrent and duplicative with meetings attended or Board service for an affiliate of the Bank for which the Director receives payment; and provided further that fees hereunder shall not be paid in the case of any Director in the regular employment of the Bank or of one of its affiliates. Each member of the Board of Directors, whether or not such Director is in the regular employment of the Bank or of one of its affiliates, shall be reimbursed for travel expenses incident to attendance at Board and Board committee meetings.

SECTION 2.08. EXECUTIVE COMMITTEE. There may be a standing committee of the

Board of Directors known as the Executive Committee which shall possess and exercise, when the Board is not in session, all the powers of the Board that may lawfully be delegated. The Executive Committee shall consist of at least three Board members, one of whom shall be the Chairman of the Board, Chief Executive Officer or the President. The other members of the Executive Committee shall be appointed by the Chairman of the Board, the Chief Executive Officer, or the President, with the approval of the Board, and who shall continue as members of the Executive Committee until their successors are appointed, provided, however, that any member of the Executive Committee may be removed by the Board upon a majority vote thereof at any regular or special meeting of the Board. The Chairman, Chief Executive Officer, or President shall fill any vacancy in the Executive Committee by the appointment of another Director, subject to the approval of the Board of Directors. The Executive Committee shall meet at the call of the Chairman, Chief Executive Officer, or President or any two members thereof at such time or times and place as may be designated. In the event of the absence of any member or members of the Executive Committee, the presiding member may appoint a member or members of the Board to fill the place or places of such absent member or members to serve during such absence. Two members of the Executive Committee shall constitute a quorum. When neither the Chairman of the Board, the Chief Executive Officer, nor President are present, the Executive Committee shall appoint a presiding officer. The Executive Committee shall report its proceedings and the action taken by it to the Board of Directors.

SECTION 2.09. OTHER COMMITTEES. The Board of Directors may appoint such special committees from time to time as are in its judgment necessary in the interest of the Bank.

ARTICLE III
OFFICERS, MANAGEMENT STAFF AND EMPLOYEES

SECTION 3.01. OFFICERS AND MANAGEMENT STAFF.

(a) The executive officers of the Bank shall include a Chairman of the Board, Chief Executive Officer, President, Chief Financial Officer, Secretary, Security Officer, and may include one or more Senior Managing Directors or Managing Directors. The Chairman of the Board, Chief Executive Officer, President, any Senior Managing Director, any Managing Director, Chief Financial Officer, Secretary, and Security Officer shall be elected by the Board. The Chairman of the Board, Chief Executive Officer, and the President shall be elected by the Board from their own number. Such officers as the Board shall elect from their own number shall hold office from the date of their election as officers until the organization meeting of the Board of Directors following the next annual meeting of shareholders, provided, however, that such officers may be relieved of their duties at any time by action of the Board of Directors, in which event all the powers incident to their office shall immediately terminate. The Chairman of the Board, Chief Executive Officer, or the President shall preside at all meetings of shareholders and meetings of the Board of Directors.

(b) The management staff of the Bank shall include officers elected by the Board, officers appointed by the Chairman of the Board, the Chief Executive Officer, the President, any Senior Managing Director, any Managing Director, the Chief Financial Officer, and such other persons in the employment of the Bank who, pursuant to authorization by a duly authorized officer of the Bank, perform management functions and have management responsibilities. Any two or more offices may be held by the same person except that no person shall hold the office of Chairman of the Board, Chief Executive Officer and/or President and at the same time also hold the office of Secretary.

(c) Except as provided in the case of the elected officers who are members of the Board, all officers and employees, whether elected or appointed, shall hold office at the pleasure of the Board. Except as otherwise limited by law or these By-Laws, the Board assigns to the Chairman of the Board, the Chief Executive Officer, the President, any Senior Managing Director, any Managing Director, the Chief Financial Officer, and/or each of their respective designees the authority to control all personnel, including elected and appointed officers and employees of the Bank, to employ or direct the employment of such officers and employees as he or she may deem necessary, including the fixing of salaries and the dismissal of such officers and employees at pleasure, and to define and prescribe the duties and responsibilities of all officers and employees of the Bank, subject to such further limitations and directions as he or she may from time to time deem appropriate.

(d) The Chairman of the Board, the Chief Executive Officer, the President, any Senior Managing Director, any Managing Director, the Chief Financial Officer,

and any other officer of the Bank, to the extent that such officer is authorized in writing by the Chairman of the Board, the Chief Executive Officer, the President, any Senior Managing Director, any Managing Director, or the Chief Financial Officer may appoint persons other than officers who are in employment of the Bank to serve in management positions and in connection therewith, the

appointing officer may assign such title, salary, responsibilities and functions as are deemed appropriate, provided, however, that nothing contained herein shall be construed as placing any limitation on the authority of the Chairman of the Board, the Chief Executive Officer, the President, any Senior Managing Director, any Managing Director, or the Chief Financial Officer as provided in this and other sections of these By-Laws.

(e) The Senior Managing Directors and the Managing Directors of the Bank shall have general and active authority over the management of the business of the Bank, shall see that all orders and resolutions of the Board of Directors are carried into effect, and shall do or cause to be done all things necessary or proper to carry on the business of the Bank in accordance with provisions of applicable law and regulations. Each Senior Managing Director and Managing Director shall perform all duties incident to his or her office and such other and further duties, as may from time to time be required by the Chief Executive Officer, the President, the Board of Directors, or the shareholders. The specification of authority in these By-Laws wherever and to whomever granted shall not be construed to limit in any manner the general powers of delegation granted to a Senior Managing Director or a Managing Director in conducting the business of the Bank. In the absence of a Senior Managing Director or a Managing Director, such officer as is designated by the Senior Managing Director or the Managing Director shall be vested with all the powers and perform all the duties of the Senior Managing Director or the Managing Director as defined by these By-Laws.

(f) Each Managing Director who is assigned oversight of one or more trust service offices shall appoint a management committee known as the Investment Management and Trust Committee consisting of the Managing Director of the trust service offices and at least three other members who shall be capable and experienced officers of the Bank appointed from time to time by the Managing Director and who shall continue as members of the Investment Management and Trust Committee until their successors are appointed, provided, however, that any member of the Investment Management and Trust Committee may be removed by the Managing Director as provided in this and other sections of these By-Laws. The Managing Director shall fill any vacancy in the Investment Management and Trust Committee by the appointment of another capable and experienced officer of the Bank. Each Investment Management and Trust Committee shall meet at such date, time and place as the Managing Director shall fix. In the event of the absence of any member or members of the Investment Management and Trust Committee, the Managing Director may, in his or her discretion, appoint another officer of the Bank to fill the place or places of such absent member or members to serve during such absence. A majority of each Investment Management and Trust Committee shall constitute a quorum. Each Investment Management and Trust Committee shall carry out the policies of the Bank, as adopted by the Board of Directors, which shall be formulated and executed in accordance with State and Federal Law, Regulations of the Comptroller of the Currency, and sound fiduciary principles. In carrying out the policies of the Bank, each Investment Management and Trust Committee is hereby authorized to establish management teams whose duties and responsibilities shall be specifically set forth in the policies of the Bank. Each such management team shall report such proceedings and the actions taken thereby to the Investment Management and Trust Committee. Each Managing Director shall then report such proceedings and the actions taken thereby to the Board of Directors.

SECTION 3.02. POWERS AND DUTIES OF MANAGEMENT STAFF. Pursuant to the fiduciary powers granted to this Bank under the provisions of Federal Law and Regulations of the Comptroller of the Currency, the Chairman of the Board, the Chief Executive Officer, the President, the Senior Managing Directors, the Managing Directors, the Chief Financial Officer,

and those officers so designated and authorized by the Chairman of the Board, the Chief Executive Officer, the President, the Senior Managing Directors, the Managing Directors, or the Chief Financial Officer are authorized for and on behalf of the Bank, and to the extent permitted by law, to make loans and

discounts; to purchase or acquire drafts, notes, stocks, bonds, and other securities for investment of funds held by the Bank; to execute and purchase acceptances; to appoint, empower and direct all necessary agents and attorneys; to sign and give any notice required to be given; to demand payment and/or to declare due for any default any debt or obligation due or payable to the Bank upon demand or authorized to be declared due; to foreclose any mortgages; to exercise any option, privilege or election to forfeit, terminate, extend or renew any lease; to authorize and direct any proceedings for the collection of any money or for the enforcement of any right or obligation; to adjust, settle and compromise all claims of every kind and description in favor of or against the Bank, and to give receipts, releases and discharges therefor; to borrow money and in connection therewith to make, execute and deliver notes, bonds or other evidences of indebtedness; to pledge or hypothecate any securities or any stocks, bonds, notes or any property real or personal held or owned by the Bank, or to rediscount any notes or other obligations held or owned by the Bank, whenever in his or her judgment it is reasonably necessary for the operation of the Bank; and in furtherance of and in addition to the powers hereinabove set forth to do all such acts and to take all such proceedings as in his or her judgment are necessary and incidental to the operation of the Bank.

SECTION 3.03. SECRETARY. The Secretary or such other officers as may be designated by the Chief Executive Officer shall have supervision and control of the records of the Bank and, subject to the direction of the Chief Executive Officer, shall undertake other duties and functions usually performed by a corporate secretary. Other officers may be designated by the Secretary as Assistant Secretary to perform the duties of the Secretary.

SECTION 3.04. EXECUTION OF DOCUMENTS. Any member of the Bank's management staff or any employee of the Bank designated as an officer on the Bank's payroll system is hereby authorized for and on behalf of the Bank to sell, assign, lease, mortgage, transfer, deliver and convey any real or personal property, including shares of stock, bonds, notes, certificates of indebtedness (including the assignment and redemption of registered United States obligations) and all other forms of intangible property now or hereafter owned by or standing in the name of the Bank, or its nominee, or held by the Bank as collateral security, or standing in the name of the Bank, or its nominee, in any fiduciary capacity or in the name of any principal for whom this Bank may now or hereafter be acting under a power of attorney or as agent, and to execute and deliver such partial releases from any discharges or assignments of mortgages and assignments or surrender of insurance policies, deeds, contracts, assignments or other papers or documents as may be appropriate in the circumstances now or hereafter held by the Bank in its own name, in a fiduciary capacity, or owned by any principal for whom this Bank may now or hereafter be acting under a power of attorney or as agent; provided, however, that, when necessary, the signature of any such person shall be attested or witnessed in each case by another officer of the Bank. Any member of the Bank's management staff or any employee of the Bank designated as an officer on the Bank's payroll system is hereby authorized for and on behalf of the Bank to execute any indemnity and fidelity bonds, trust agreements, proxies or other papers or documents of like or different character necessary, desirable or incidental to the appointment of the Bank in any fiduciary capacity, the conduct of its business in any fiduciary capacity, or the conduct of its other banking business; to sign and issue checks, drafts, orders for the payment of money and certificates of deposit; to sign and endorse bills of exchange, to sign and countersign foreign and domestic letters of credit, to

receive and receipt for payments of principal, interest, dividends, rents, fees and payments of every kind and description paid to the Bank, to sign receipts for money or other property acquired by or entrusted to the Bank, to guarantee the genuineness of signatures on assignments of stocks, bonds or other securities, to sign certifications of checks, to endorse and deliver checks, drafts, warrants, bills, notes, certificates of deposit and acceptances in all business transactions of the Bank; also to foreclose any mortgage, to execute and deliver receipts for any money or property; also to sign stock certificates for and on behalf of this Bank as transfer agent or registrar, and to authenticate bonds, debentures, land or lease trust certificates or other forms of security issued pursuant to any indenture under which this Bank now or hereafter is acting as trustee or in any other fiduciary capacity; to execute and deliver various forms of documents or agreements necessary to effectuate certain investment strategies for various fiduciary or custody customers of the Bank, including, without limitation, exchange funds, options, both listed and over-the-counter, commodities trading, futures trading, hedge funds, limited partnerships, venture capital funds, swap or collar transactions and other

similar investment vehicles for which the Bank now or in the future may deem appropriate for investment of fiduciary customers or in which non-fiduciary customers may direct investment by the Bank.

Without limitation on the foregoing, the Chief Executive Officer, Chairman of the Board, or President of the Bank shall have the authority from time to time to appoint officers of the Bank as Vice President for the sole purpose of executing releases or other documents incidental to the conduct of the Bank's business in any fiduciary capacity where required by state law or the governing document. In addition, other persons in the employment of the Bank or its affiliates may be authorized by the Chief Executive Officer, Chairman of the Board, President, Senior Managing Directors, Managing Directors, or Chief Financial Officer to perform acts and to execute the documents described in the paragraph above, subject, however, to such limitations and conditions as are contained in the authorization given to such person.

SECTION 3.05. PERFORMANCE BOND. All officers and employees of the Bank shall be bonded for the honest and faithful performance of their duties for such amount as may be prescribed by the Board of Directors.

ARTICLE IV STOCKS AND STOCK CERTIFICATES

SECTION 4.01. STOCK CERTIFICATES. The shares of stock of the Bank shall be evidenced by certificates which shall bear the signature of the Chairman of the Board, the Chief Executive Officer, or the President (which signature may be engraved, printed or impressed), and shall be signed manually by the Secretary, or any other officer appointed by the Chief Executive Officer for that purpose. In case any such officer who has signed or whose facsimile signature has been placed upon such certificate shall have ceased to be such officer before such certificate is issued, it may be issued by the Bank with the same effect as if such officer had not ceased to be such at the time of its issue. Each such certificate shall bear the corporate seal of the Bank, shall recite on its face that stock represented thereby is transferable only upon the books of the Bank when properly endorsed and shall recite such other information as is required by law and deemed appropriate by the Board. The corporate seal may be facsimile engraved or printed.

SECTION 4.02. STOCK ISSUE AND TRANSFER. The shares of stock of the Bank shall be transferable only upon the stock transfer books of the Bank and, except as hereinafter

provided, no transfer shall be made or new certificates issued except upon the surrender for cancellation of the certificate or certificates previously issued therefor. In the case of the loss, theft, or destruction of any certificate, a new certificate may be issued in place of such certificate upon the furnishing of an affidavit setting forth the circumstances of such loss, theft, or destruction and indemnity satisfactory to the Chairman of the Board, the Chief Executive Officer, or the President. The Board of Directors or the Chairman of the Board, Chief Executive Officer, or the President may authorize the issuance of a new certificate therefor without the furnishing of indemnity. Stock transfer books, in which all transfers of stock shall be recorded, shall be provided. The stock transfer books may be closed for a reasonable period and under such conditions as the Board of Directors may at any time determine, for any meeting of shareholders, the payment of dividends or any other lawful purpose. In lieu of closing the transfer books, the Board of Directors may, in its discretion, fix a record date and hour constituting a reasonable period prior to the day designated for the holding of any meeting of the shareholders or the day appointed for the payment of any dividend, or for any other purpose at the time as of which shareholders entitled to notice of and to vote at any such meeting or to receive such dividend or to be treated as shareholders for such other purpose shall be determined, and only shareholders of record at such time shall be entitled to notice of or to vote at such meeting or to receive such dividends or to be treated as shareholders for such other purpose.

ARTICLE V MISCELLANEOUS PROVISIONS

SECTION 5.01. SEAL. The seal of the Bank shall be circular in form with "SEAL" in the center, and the name "BANK ONE TRUST COMPANY, NA" located clockwise around the upper half of the seal.

SECTION 5.02. MINUTE BOOK. The organization papers of this Bank, the Articles of

Association, the returns of judges of elections, the By-Laws and any amendments thereto, the proceedings of all regular and special meetings of the shareholders and of the Board of Directors, and reports of the committees of the Board of Directors shall be recorded in the minute books of the Bank. The minutes of each such meeting shall be signed by the presiding officer and attested by the secretary of the meeting.

SECTION 5.03. CORPORATE POWERS. The corporate existence of the Bank shall continue until terminated in accordance with the laws of the United States. The purpose of the Bank shall be to carry on the general business of a commercial bank trust department and to engage in such activities as are necessary, incident, or related to such business. The Articles of Association of the Bank shall not be amended, or any other provision added elsewhere in the Articles expanding the powers of the Bank, without the prior approval of the Comptroller of the Currency.

SECTION 5.04. AMENDMENT OF BY-LAWS. The By-Laws may be amended, altered or repealed, at any regular or special meeting of the Board of Directors, by a vote of a majority of the Directors.

As amended April 24, 1991	Section 3.01 (Officers and Management Staff) Section 3.02 (Chief Executive Officer) Section 3.03 (Powers and Duties of Officers and Management Staff) Section 3.05 (Execution of Documents)
As amended January 27, 1995	Section 2.04 (Regular Meetings) Section 2.05 (Special Meetings) Section 3.01(f) (Officers and Management Staff) Section 3.03(e) (Powers and Duties of Officers and Management Staff) Section 5.01 (Seal)
Amended and restated in its entirety effective May 1, 1996	
As amended August 1, 1996	Section 2.09 (Trust Examining Committee) Section 2.10 (Other Committees)
As amended October 16, 1997	Section 3.01 (Officers and Management Staff) Section 3.02 (Powers and Duties of Officers and Management Staff) Section 3.04 (Execution of Documents)
As amended January 1, 1998	Section 1.01 (Annual Meeting)

EXHIBIT 6

THE CONSENT OF THE TRUSTEE REQUIRED
BY SECTION 321(b) OF THE ACT

March 29, 2000

Securities and Exchange Commission
Washington, D.C. 20549

Ladies and Gentlemen:

In connection with the qualification of an indenture between Questar Market

Resources, Inc. and Bank One Trust Company, National Association, as Trustee, the undersigned, in accordance with Section 321(b) of the Trust Indenture Act of 1939, as amended, hereby consents that the reports of examinations of the undersigned, made by Federal or State authorities authorized to make such examinations, may be furnished by such authorities to the Securities and Exchange Commission upon its request therefor.

Very truly yours,

Bank One Trust Company, National Association

By: /s/ Sandra L. Caruba
 Sandra L. Caruba
 Vice President

EXHIBIT 7

Legal Title of Bank: Bank One Trust Company, NA Call Date: 12/31/99 State #: 391581 FFIEC 032
 Address: 100 Broad Street Vendor ID: D Cert #: 21377 Page RC-1
 City, State Zip: Columbus, OH 43271 Transit #: 04400003

Consolidated Report of Condition for Insured Commercial and State-Chartered Savings Banks for December 31, 1999

All schedules are to be reported in thousands of dollars. Unless otherwise indicated, report the amount outstanding of the last business day of the quarter.

Schedule RC--Balance Sheet

Dollar Amounts in thousands C300

ASSETS

1. Cash and balances due from depository institutions (from Schedule RC-A):	RCON		
a. Noninterest-bearing balances and currency and coin(1)	0081	123,692	1.a
b. Interest-bearing balances(2).....	0071	17,687	1.b
2. Securities			
a. Held-to-maturity securities(from Schedule RC-B, column A).....	1754	0	2.a
b. Available-for-sale securities (from Schedule RC-B, column D).....	1773	5,860	2.b
3. Federal funds sold and securities purchased under agreements to resell	1350	364,813	3.
4. Loans and lease financing receivables:			
a. Loans and leases, net of unearned income (from Schedule RC-C).....	RCON		
b. LESS: Allowance for loan and lease losses.....	2122	58,020	4.a
c. LESS: Allocated transfer risk reserve.....	3123	10	4.b
d. Loans and leases, net of unearned income, allowance, and reserve (item 4.a minus 4.b and 4.c).....	3128	0	4.c
e. LESS: Reserve for unearned income, allowance, and reserve (item 4.a minus 4.b and 4.c).....	RCON		
f. LESS: Reserve for unearned income, allowance, and reserve (item 4.a minus 4.b and 4.c).....	2125	58,010	4.d
5. Trading assets (from Schedule RD-D).....	3545	0	5.
6. Premises and fixed assets (including capitalized leases).....	2145	22,547	6.
7. Other real estate owned (from Schedule RC-M).....	2150	0	7.
8. Investments in unconsolidated subsidiaries and associated companies (from Schedule RC-M).....	2130	0	8.
9. Customers' liability to this bank on acceptances outstanding.....	2155	0	9.
10. Intangible assets (from Schedule RC-M).....	2143	27,151	10.
11. Other assets (from Schedule RC-F).....	2160	141,759	11.
12. Total assets (sum of items 1 through 11).....	2170	761,519	12.

(1) Includes cash items in process of collection and unposted debits.
 (2) Includes time certificates of deposit not held for trading.

Legal Title of Bank: Bank One Trust Company, NA Call Date: 12/31/99 State #: 391581 FFIEC 032
 Address: 100 East Broad Street Vendor ID: D Cert # 21377 Page RC-2
 City, State Zip: Columbus, OH 43271 Transit #: 04400003

Schedule RC-Continued

LIABILITIES

13. Deposits:			
a. In domestic offices (sum of totals of columns A and C from Schedule RC-E, part I).....	RCON 2200	589,846	13.a
(1) Noninterest-bearing(1).....	6631	517,140	13.a1
(2) Interest-bearing.....	6636	72,706	13.a2
b. In foreign offices, Edge and Agreement subsidiaries, and IBFs (from Schedule RC-E, part II).....			
(1) Noninterest bearing.....			
(2) Interest-bearing.....			
14. Federal funds purchased and securities sold under agreements to repurchase:	RCFD 2800	0 14	
15. a. Demand notes issued to the U.S. Treasury	RCON 2840	0	15.a
b. Trading Liabilities(from Sechedule RC-D).....	RCFD 3548	0	15.b
16. Other borrowed money:	RCON		
a. With original maturity of one year or less	2332	0	16.a
b. With original maturity of more than one year.....	A547	0	16.b
c. With original maturity of more than three years.....	A548	0	16.c
17. Not applicable			
18. Bank's liability on acceptance executed and outstanding.....	2920	0	18.
19. Subordinated notes and debentures.....	3200	0	19.
20. Other liabilities (from Schedule RC-G).....	2930	63,244	20.
21. Total liabilities (sum of items 13 through 20).....	2948	653,090	21.
22. Not applicable			
EQUITY CAPITAL			
23. Perpetual preferred stock and related surplus.....	3838	0	23.
24. Common stock.....	3230	800	24.
25. Surplus (exclude all surplus related to preferred stock).....	3839	45,157	25.
26. a. Undivided profits and capital reserves.....	3632	62,458	26.a
b. Net unrealized holding gains (losses) on available-for-sale securities.....	8434	14	26.b
c. Accumulated net gains (losses) on cash flow hedges.....	4336	0	26.c
27. Cumulative foreign currency translation adjustments.....			
28. Total equity capital (sum of items 23 through 27).....	3210	108,429	28.
29. Total liabilities, limited-life preferred stock, and equity capital (sum of items 21, 22, and 28).....	3300	761,519	29.

Memorandum

To be reported only with the March Report of Condition.

1. Indicate in the box at the right the number of the statement below that best describes the most comprehensive level of auditing work performed for the bank by independent external auditors as of any date during 1996RCFD 6724 . . .

 N/A
 M1

- 1 = Independent audit of the bank conducted in accordance with generally accepted auditing standards by a certified public accounting firm which submits a report on the bank
- 2 = Independent audit of the bank's parent holding company conducted in accordance with generally accepted auditing standards by a certified public accounting firm which submits a report on the consolidated holding company (but not on the bank separately)
- 3 = Directors' examination of the bank conducted in accordance with generally accepted auditing standards by a certified public accounting firm (may be required by state chartering authority)
- 4.= Directors' examination of the bank performed by other external auditors (may be required by state chartering authority)
- 5 = Review of the bank's financial statements by external auditors
- 6 = Compilation of the bank's financial statements by external auditors
- 7 = Other audit procedures (excluding tax preparation work)
- 8 = No external audit work

(1) Includes total demand deposits and noninterest-bearing time and savings deposits.