



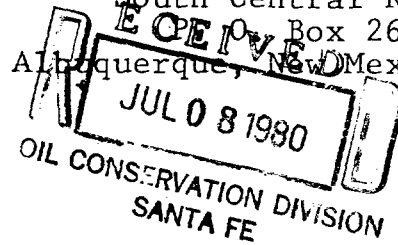
United States Department of the Interior

GEOLOGICAL SURVEY

South Central Region

Box 26124

Albuquerque, New Mexico 87125



JUL 01 1980

6905

Harvey E. Yates Company
Attention: Robert H. Strand
300 Security National Bank Building
P. O. Box 1933
Roswell, New Mexico 88201

Gentlemen:

Our letter of May 30, 1980, designated the proposed Buffalo Lake Unit Area as a logical unit area. The designation requested a well to test the Mississippian Chester series, or to a depth of 9,100 feet. The purpose of this letter is to correct that request to the following: "The unit agreement submitted for the area designated should provide for a well to test the Pennsylvanian Morrow, drilled to the Mississippian Chester series, or to a depth of 9,100 feet."

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

James W. Sutherland
Acting Conservation Manager
for the Director

cc:
NMOCD, Santa Fe

HEYCO

PETROLEUM PRODUCERS



HARVEY E. YATES COMPANY

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

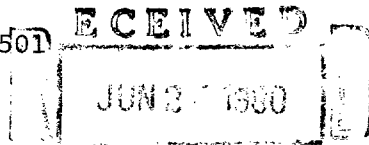
505/623-6601

ROSWELL, NEW MEXICO 88201

June 23, 1980

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Joe Ramey



6905

OIL CONSERVATION DIVISION
SANTA FE

Re: Buffalo Lake Unit
T-15S, R-27E,
Chaves County, N.M.
Case No. 6905
Order No. R-6364

Gentlemen:

Enclosed please find revised Exhibit's "A", and "B" covering the Buffalo Lake Unit, T-15S, R-27E, N.M.P.M. Chaves County, New Mexico, to be filed in Case No. 6905, Order No. R-6364.

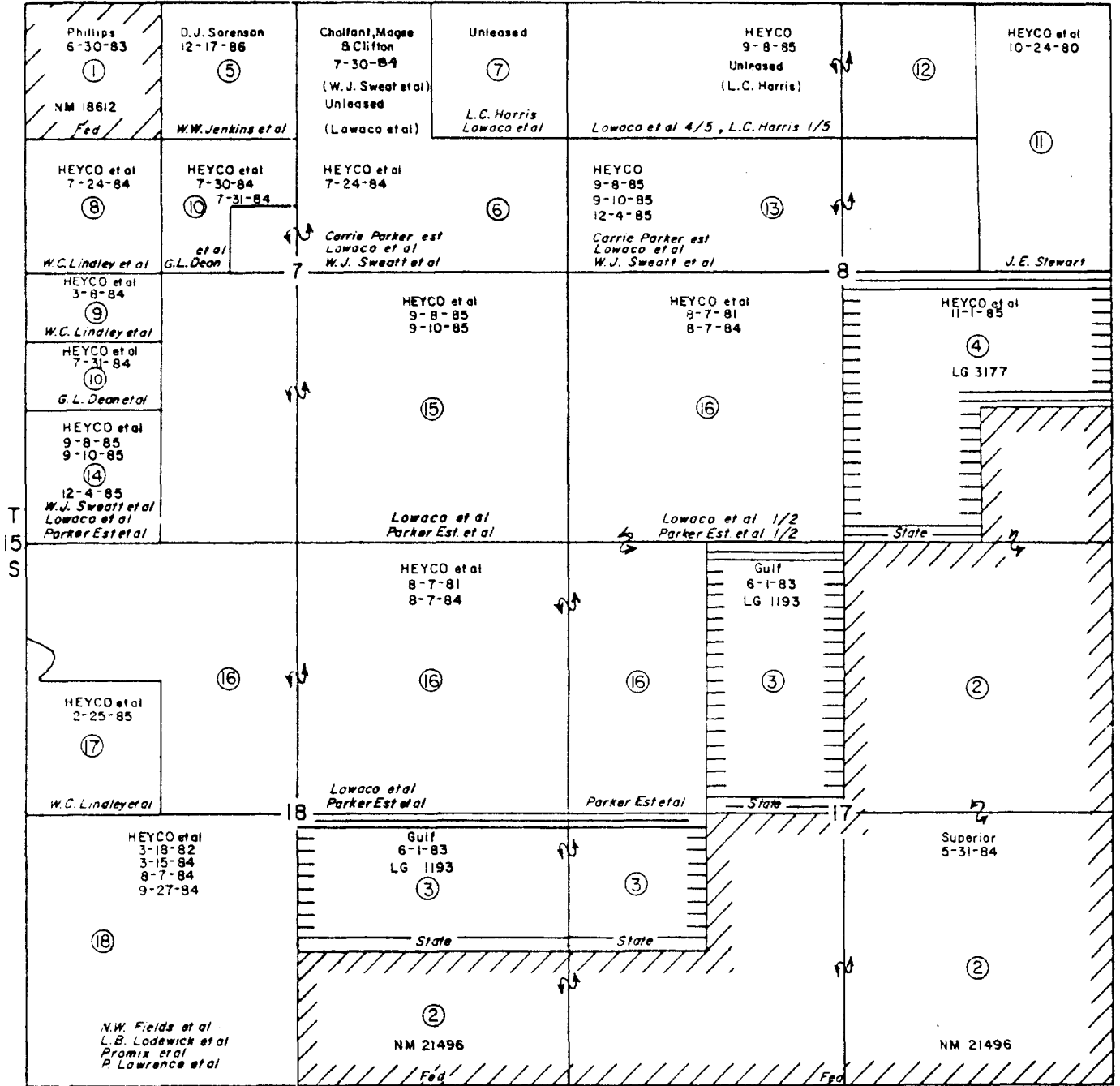
Yours truly,

Carlyn M. Jarm
Carlyn M. Jarm

CJ/rmf

Enclsoures

R-27-E



LEGEND




- ⑫ - TRACT NUMBER as listed on Exhibit "B"
-  PUBLIC LANDS
599.07 acs., 23.13% of Unit Area
-  STATE of NEW MEXICO LANDS
320.0 acs., 12.52% of Unit Area
-  PATENTED (Fee) LANDS
1637.73 acs., 64.05% of Unit Area

EXHIBIT "A"
BUFFALO LAKE UNIT AREA

T-15-S, R-27-E NMPM
CHAVES COUNTY, NEW MEXICO

EXHIBIT "B"
 SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE		LESSEE OF RECORD AND PERCENTAGE		OVERRIDING ROYALTY AND PERCENTAGE		WORKING INTEREST AND PERCENTAGE	
				PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE
<u>Township 15 South, Range 27 East, N.M.P.M.</u>											

FEDERAL LANDS:

1	Sec. 7: Lot 1 (NW $\frac{1}{4}$ NW $\frac{1}{4}$)	39.07	NM-18612 6-30-83	U.S.A. - All 12.5%	Phillips Petroleum Company	100%	Frank Yates	5%	Phillips Petroleum Company	100%	
2	Sec. 8: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17: E $\frac{1}{2}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18: S $\frac{1}{2}$ SE $\frac{1}{4}$	560.00	NM-21496 5-31-84	U.S.A. - All 12.5%	Superior Oil Company	100%	A. Lansdale John Gates	4% 1%	Superior Oil Company	100%	
2 Federal tracts 599.07 acres or 23.43% of Unit Area											

STATE OF NEW MEXICO LANDS:

3	Sec. 17: E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18: N $\frac{1}{2}$ SE $\frac{1}{4}$	200.00	LG-1193 6-1-83	St. of N.M. - All 12.5%	Gulf Oil Corporation	100%	None		Gulf Oil Corporation	100%
4	Sec. 8: N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	120.00	LG-3177 11-1-85	St. of N.M. - All 12.5%	Harvey F. Yates Company	100%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%

2 State tracts 320.00 acres or 12.52% of Unit Area

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
<u>PATENTED LANDS:</u>							
5	Sec. 7: NE $\frac{1}{4}$ NW $\frac{1}{4}$	40.0 Gross (5.0 Net)	12-17-86	Veda Josephine Storey - All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (5.0 Net)	12-17-86	Lindon C. Jenkins All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (1.875 Net)	12-17-86	Herbert R. Dority All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (1.25 Net)	2-9-87	H. R. Pierce All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (5.0 Net)	2-17-87	Lois Stella Mae Titus All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (5.0 Net)	8-19-87	Wayne W. Jenkins All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (1.875 Net)	8-19-87	Linda M. Broadston All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		40.0 Gross (5.0 Net)	12-17-86	Vern H. Jenkins All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%

EXHIBIT "B"

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
<u>PATENTED LANDS:</u>							
5	Sec. 7: NE $\frac{1}{4}$ NW $\frac{1}{4}$	40.0 Gross (5.0 Net)	12-17-86	Ruth Emma Rhodes All - 12.5%	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
6	Sec. 7: NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	40.0 Gross (5.0 Net) 130.0 Gross (32.5 Net)	12-17-86 Unleased minerals	Paul W. Jenkins All - 12.5% LOWACO, etal	David J. Sorenson 100%	Carl Schellinger 6.25%	David J. Sorenson 100%
		130.0 Gross (32.5 Net)	7-30-84	W. J. Sweatt, etal All - 18.75%	Chalfant, Magee & Clifton 100%	None	Chalfant, Magee & Clifton 100%
		130.0 Gross (32.5 Net)	7-30-84	Lois Jean Wiggins All - 18.75%	Chalfant, Magee & Clifton 100%	None	Chalfant, Magee & Clifton 100%
		130.0 Gross (32.5 Net)	7-24-84	Roy E. Ingram, Executor under Will of Carrie Parker, Deceased All - 18.75%	Harvey E. Yates Company 77.5% Harvey E. Yates 7.5%	W.T. Wynn A.C. Lattu R.C. Smith 0.50% 0.75% 0.25%	Harvey E. Yates Company 77.5% Spiral, Inc. 7.5%
					Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%		Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%

BUFFALO LAKE UNITCHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
<u>PATENTED LANDS:</u>							
7	Sec. 7: NE $\frac{1}{4}$ NE $\frac{1}{4}$	40.0 Gross (8.0 Net)	Unleased Minerals	L. C. Harris			
		40.0 Gross (32.0 Net)	Unleased Minerals	LOWACO, etal			
8	Sec. 7: Lot 2 (SW $\frac{1}{4}$ NW $\frac{1}{4}$)	39.23	7-24-84	Walter C. Lindley, Jr. 1/3 of 3/16% Louise L. Morgan 1/3 of 3/16% Molly L. Byrne 1/3 of 3/16%	Harvey E. Yates Company Harvey E. Yates 7.5% Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%	W. T. Wynn A. C. Lattu R. C. Smith 0.25%	Harvey E. Yates Company Spiral, Inc. Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%
9	Sec. 7: N $\frac{1}{2}$ Lot 3 (N $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$)	19.685	3-8-84	Walter C. Lindley Jr. 1/3 of 15.65% Louise L. Morgan 1/3 of 15.65% Molly L. Byrne 1/3 of 15.65%	Harvey E. Yates Company Harvey E. Yates 7.5% Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%	W. T. Wynn A. C. Lattu 0.75%	Harvey E. Yates Company Spiral, Inc. Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%
10	Sec. 7: S $\frac{1}{2}$ Lot 3 (S $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$), N $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	49.685 Gross (24.8425 Net)	7-30-84	Dorothy Bise 15.65%	Harvey E. Yates Company Harvey E. Yates 7.5% Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%	W. T. Wynn A. C. Lattu R. C. Smith 0.25%	Harvey E. Yates Company Spiral, Inc. Explorers Petroleum Corporation Fred G. Yates, Inc. 7.5%

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

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<u>PATENTED LANDS:</u>									
10	Sec. 7: S $\frac{1}{2}$ Lot 3 (S $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$), N $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	49.685 Gross (24.8425 Net)	7-31-84	George L. Dean 15.65%	Harvey E. Yates Company Harvey E. Yates Explorers Petroleum Corporation Fred G. Yates, Inc.	W. T. Wynn A. C. Lattu R. C. Smith	0.5% 0.75% 0.25%	Harvey E. Yates Company Spiral, Inc. Explorers Petroleum Corporation Fred G. Yates, Inc.	77.5% 7.5% 7.5%
11	Sec. 8: E $\frac{1}{2}$ NE $\frac{1}{4}$	80.0	10-24-80	James E. Stewart 12.5%	Harvey E. Yates Company Coronado Exploration Corp.	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%
12	Sec. 8: N $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$	120.0 Gross (96.0 Net)	9-8-85	Unleased Minerals L. C. Harris	Francis THARIN PROMIX LOWACO, S.A. SALABERRY, S.A. BARICO, S.A. Biagio CIARCIA Marie-Alice GERNEZ- MORIN Mario & Laura PUGLIESE	Harvey E. Yates Company Coronado Exploration Corp.	W. T. Wynn 1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

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<u>PATENTED LANDS:</u>											
13	Sec. 8: S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	120.0 Gross (60.0 Net)	12-4-85	Lois J. Wiggins 1/4 of 15.625% Violet Sweatt 1/16 of 15.625% W. J. Sweatt 1/16 of 15.625% Richard V. Sweatt 1/16 of 15.625% Marlene Vestal 1/16 of 15.625%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	
		120.0 Gross (30.0 Net)	9-10-85	Roy E. Ingram, Executor U/W of Carrie Parker, dec. 15.625%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	
		120.0 Gross (30.0 Net)	9-8-85	Francis THARIN PROMIX LOWACO, S. A. SALABERRY, S.A. BARICO, S.A. Biagio CIARCIA Marie-Alice GERNEZ- MORIN Mario & Laura PUGLIESE 15.625%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp.	85.0289% 14.9711%	

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

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				PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE
14	Sec. 7: Lot 4 (SW $\frac{1}{2}$ SW $\frac{1}{2}$)	39.53 Gross (9.8825 Net)	12-4-85	Lois J. Wiggins $\frac{1}{4}$ 1f 15.625% Violet Sweatt 1/16 of 15.625% W. J. Sweatt 1/16 of 15.625% Richard V. Sweatt 1/16 of 15.625% Marlene Vestal 1/16 of 15.625%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%
		39.53 Gross (19.765 Net)	9-10-85	Roy E. Ingram, Executor U/W of Carrie Parker, dec. 15.625%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%
		39.53 Gross (9.8825 Net)	9-8-85	Francis THARIN PROMIX LOWACO, S.A. SALABERRY, S.A. BARICO, S.A. Biagio CIARCIA Marie-Alice GERNEZ- MORIN Mario & Laura PUGLIESE 15.625%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn	1%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%

PATENTED LANDS:

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

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<u>PATENTED LANDS:</u>							
15	Sec. 7: SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	240.0 Gross (120.0 Net)	9-8-85	Francis THARIN PROMIX LOWACO, S.A. SALABERRY, S.A. BARICO, S.A. Biagio CIARCIA Marie-Alice GERNEZ- MORIN Mario & Laura PUGLIESE 15.625%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn	1% Harvey E. Yates Company Coronado Exploration Corp. 14.9711%
16	Sec. 8: SW $\frac{1}{4}$ Sec. 17: W $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 18: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$ & that part of Lot 1 (NW $\frac{1}{2}$ NW $\frac{1}{4}$) that lies East of the Pecos River	510.0 Gross (255.0 Net)	8-7-84	Roy E. Ingram, Executor U/W of Carrie Parker, dec. 15.625%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates	1% Harvey E. Yates Company Coronado Exploration Corp. 14.9711%
		510.0 Gross (255.0 Net)	8-7-81	Roy E. Ingram, Executor U/W of Carrie Parker, dec. All - 12.5%	Harvey E. Yates Company Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates	3.125% Harvey E. Yates Company Coronado Exploration Corp. 14.9711%

BUFFALO LAKE UNIT
CHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE		LESSEE OF RECORD AND PERCENTAGE		OVERRIDING ROYALTY AND PERCENTAGE		WORKING INTEREST AND PERCENTAGE	
				PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE
<u>PATENTED LANDS:</u>											
17	Sec. 18: Lot 2 (SW $\frac{1}{4}$ NW $\frac{1}{4}$) & that part of Lot 1 (NW $\frac{1}{4}$ NW $\frac{1}{4}$) that lies West of the Pecos River	49.50	2-25-85	Walter C. Lindley 1/3 of 12.5% Louise L. Morgan 1/3 of 12.5% Molly L. Byrne 1/3 of 12.5%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates 3.125% 3.125%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%
18	Sec. 18: Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$ (Being the SW $\frac{1}{4}$ Net)	160.10 Gross (20.0125 Net)	9-27-84	Percy Lawrence 12.5%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates 3.125% 3.125%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates 3.125% 3.125%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%
		160.10 Gross (80.05 Net)	8-7-84	Francis THARIN PROMIX LOWACO, S.A. SALABERRY, S.A. BARICO, S.A. Biagio CIARCIA Marie-Alice GERNEZ- MORIN Mario & Laura PUGLIESE 12.5%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates 3.125% 3.125%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	W. T. Wynn John Gates 3.125% 3.125%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%	Harvey E. Yates Company 85.0289% Coronado Exploration Corp. 14.9711%
		160.10 Gross (40.025 Net)	3-13-82	Laura B. Lodewick John W. Lodewick Richard B. Lodewick Patricia Lodewick (18.75% total)	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%	W. T. Wynn A. C. Lattu 0.75% 0.75%	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%	W. T. Wynn A. C. Lattu 0.75% 0.75%	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%

BUFFALO LAKE UNIT

CHAVES COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION OF LAND	NUMBER OF ACRES	STATE LEASE NO. & EXPIRATION DATE OF LEASE	BASIC ROYALTY AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE
18	Sec. 18: Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$ (Being the SW $\frac{1}{4}$)	160.10 Gross (20.0125 Net)	3-15-84	Nell W. Fields 1/3 of 15.65% Mary W. Smith 1/3 of 15.65% Dorothy W. Sacra 1/3 of 15.65%	Harvey E. Yates Company 77.5% Harvey E. Yates Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%	W. T. Wynn 0.5% A. C. Lattu 0.75%	Harvey E. Yates Company 77.5% Spiral, Inc. 7.5% Explorers Petroleum Corporation 7.5% Fred G. Yates, Inc. 7.5%

PATENTED LANDS:

14 Patented Land Tracts 1,637.73 acres or 64.05% of the Unit Area



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

MAY 20 1980

Harvey E. Yates Company
Attention: Robert H. Strand
300 Security National Bank Building
P. O. Box 1933
Roswell, New Mexico 88201

7005

Gentlemen:

Your application, filed with the Oil and Gas Supervisor, Albuquerque, New Mexico, requests the designation of the Buffalo Lake unit area, embracing 2,556.80 acres, more or less, Chaves County, New Mexico, as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act as amended.

Pursuant to unit plan regulations 30 CFR 226, the land requested as outlined on your plat marked "Buffalo Lake Unit Area, Chaves County, New Mexico" is hereby designated as a logical unit area.

The unit agreement submitted for the area designated should provide for a well to test the Mississippian Chester Series, or to a depth of 9,100 feet. Your proposed use of the Form of Agreement for Unproved Areas will be accepted with the modifications requested in your application, provided it is further modified as follows:

Add the words "as amended" after
(30 F.R. 12319) in Section 27,
Nondiscrimination.

If conditions are such that further modification of said standard form is deemed necessary, three copies of the proposed modifications with appropriate justification must be submitted to this office through the Oil and Gas Supervisor for preliminary approval.

In the absence of any other type of land requiring special provisions or of any objections not now apparent, a duly executed agreement identical with said form, modified as outlined above, will be approved if submitted in approvable status within a reasonable period of time. However, notice is hereby given that the right is reserved to deny approval of any executed agreement submitted which, in our opinion, does not have the full commitment of sufficient lands to afford effective control of operations in the unit area.

When the executed agreement is transmitted to the Supervisor, Albuquerque, New Mexico, for approval, include the latest status of all acreage. In preparation of Exhibits "A" and "B", follow closely the format of the sample exhibits attached to the 1968 reprint of the aforementioned form.

Inasmuch as this unit agreement involves State land, we are sending a copy of this letter to the New Mexico Oil Conservation Division and the New Mexico Commissioner of Public Lands. Please contact the State of New Mexico before soliciting joinders regardless of prior contacts or clearances from the State.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

James W. Sutherland
Acting Conservation Manager
for the Director

cc:
NMOCD, Santa Fe/

