



Dick

*NS 1136
Rule 104 D II
3-17-79*

Southern Union Exploration Company
First International Building
Dallas, Texas 75270
(214) 748-8511

February 7, 1979

FEB 10 1979

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

Attn: Mr. Jerry Sexton

Re: Application for Non-Standard Unit
Austin (Mississippian Field) Pool
Lea County, New Mexico

Dear Sir:

In accordance with New Mexico Rule 104, D, II, d, which pertains to Non-Standard Units; Southern Union Exploration Company is hereby requesting designation of a non-standard unit for the proposed SX State "17" Well #1, located in Unit F of Section 17, T-14-S, R-36-E. The non-standard unit comprises the NW/4 of the section. This is a proposed 13,500' Mississippian in the Austin Field.

Attached please find NMOCC forms C-101, C-102 and a list of offset operators who were accordingly notified by copy of this memo and attachments by certified mail.

Very truly yours,

Ronald M. Sentz
Drilling & Production Engineer

RMS:mt

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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CH. COMMUNICATIONS COMM.
BOSTON, MA.

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
LG - 3333

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State "17"	
2. Name of Operator Southern Union Exploration Company		9. Well No. 1	
3. Address of Operator 1800 First International Building, Dallas, Texas 75270		10. Field and Pool, or Wildcat Austin (Miss)	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>17</u> TWP. <u>4S</u> RGE. <u>36E</u> NMPM		12. County Lea	
19. Proposed Depth 13500'		19A. Formation Mississippian	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Not contracted	22. Approx. Date Work will start 12-1-78

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	370'	450	Circ.
11"	8-5/8"	24 & 32#	4680'	1000	Circ.
7-7/8"	5-1/2"	17#	13500'	1500	8000'

This is a Mississippian completion attempt at the proposed depth of 13,500'. We propose to set 370 feet of 13-3/8" casing and cement it to the surface, 4680 feet of 8-5/8" intermediate casing cemented to the surface, and, in the event commercial production is found, 5-1/2" casing will be set and cemented with 1500 sacks of cement. Once 13-3/8" casing is run, a blowout preventor consisting of blind rams, pipe rams and hydrill type preventor will be installed and tested to 1000 psi for 30 minutes. When 8-5/8" casing is set, the casing and BOP will be tested to 1500 psi for 30 minutes. The BOP will be tested to 5000 psi at about 10,000 feet. A PVT, flow sensor and pump stroke counter will be used.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed James D. Ellis Title Chief Petroleum Engineer Date 10-13-78
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

FILED

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U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
COMMUNICATIONS SECTION
FBI - MEMPHIS

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

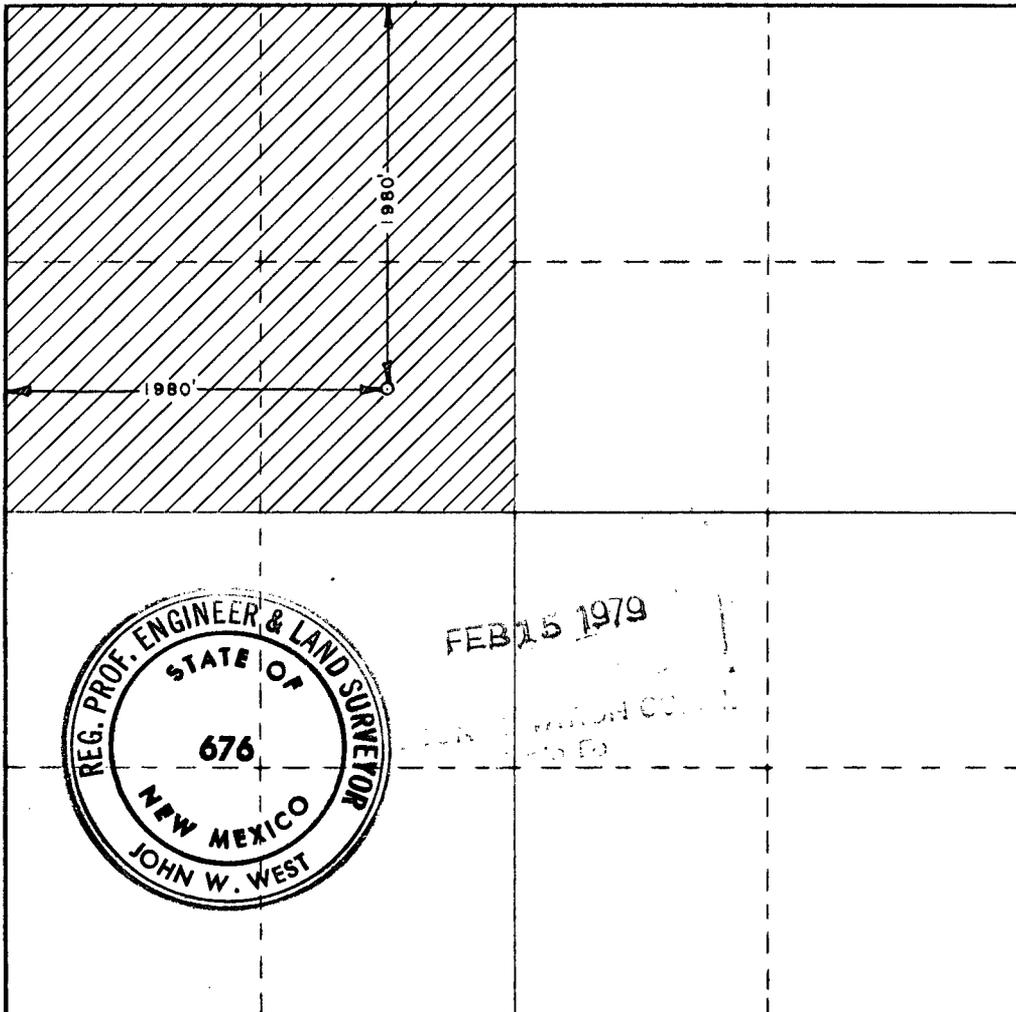
Operator Southern Union Exploration Co.			Lease State 17		Well No. 1
Tract Letter F	Section 17	Township 14 South	Range 36 East	County Lea	
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 3962.0	Producing Formation Mississippian		Pool Austin	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

James G. Ellis

Name **James G. Ellis**
 Position **Chief Petroleum Engineer**
 Company **Southern Union Exploration Company**
 Date **January 9, 1979**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **October 12, 1978**
 Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **John W. West 676**
Ronald J. Eidson 3239



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FEDERAL BUREAU OF INVESTIGATION

WORKING INTEREST
TAKE-OFF

<u>DESCRIPTION</u>	<u>WORKING INTEREST OWNER</u>	
Township 14 South, Range 36 East, N.M.P.M. Section 7: SE $\frac{1}{4}$ (160.00 acres)	Yates Petroleum Corporation	25%
	Yates Drilling Company	25%
	Myco Industries, Inc.	25%
	John A. Yates 207 South Fourth Street Artesia, New Mexico 88210	25%
Section 8: W $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ (200.00 acres)	Amoco Production Company P.O. Box 3092 Houston, Texas 77001	100%
Section 8: E $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ (280.00 acres)	Harvey E. Yates Company 300 Security National Bank Bldg. Roswell, New Mexico 88201	100%
Section 8: E $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ (120.00 acres)	Cal-Mon Oil Company P.O. Box 2066 Midland, Texas 79702	9.334%
	Jan Oil Company (Sand case of Cal Mon Oil Co) Midland, Texas	5.000%
	George A. Thomas & William Tock Thomas Midland, Texas	5.000%
	Joe R. Henderson P.O. Box 2477 Midland, Texas 79702	3.333%
	James S. DuBose 3416 Autumn Drive Fort Worth, Texas 76109	10.000%
	John H. Hendrix 525 Midland Tower Midland, Texas 79701	12.500%
	Jack Markham Suite 1212, 1500 Broadway Lubbock, Texas 79401	3.334%
	J.M. Welborn Suite 1212, 1500 Broadway Lubbock, Texas 79401	3.333%
	Ernest Angelo Jr. 200 Gihls Tower West Midland, Texas 79701	8.833%
	Don L. Sparks 507 N. Marienfeld, Suite 208 Midland, Texas 79701	2.000%
	McCrea Trust No. 1 P.O. Box 1715 Midland, Texas 79702	3.333%

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OIL CONSERVATION COMM.
WASHINGTON, D. C.

Section 8: E $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ cont.	Estoril Producing Corporation Vaughn Bldg. Suite 1200 Midland, Texas 79701	12.500%
	Jack O. McCall MNB Tower, Suite 1210 Midland, Texas 79701	10.000%
	Marshall & Winston, Inc. P.O. Box 874 Midland, Texas 79702	10.000%
	A.T. Carlton P.O. Box 293 Midland, Texas 79702	0.500%
	Robert L. Monaghan P.O. Box 2066 Midland, Texas 79702	1.000%

Section 17: W $\frac{1}{2}$ NE $\frac{1}{4}$ *(1) (80.00 acres)	Champlin Petroleum Company 300 Wilco Bldg. Midland, Texas 79701	100%
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Section 17: E $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ *(1) (240.00 acres)	Phillips Petroleum Company 311 Phillips Building Odessa, Texas 79761	12.500%
	Yates Petroleum Corporation Yates Drilling Company Myco Industries, Inc. John A. Yates 207 South Fourth Street Artesia, New Mexico 88210	21.875% 21.875% 21.875% 21.875%

Note (1) E $\frac{1}{2}$ Section 17 Subject to Communitization Agreement dated November 1, 1978, covering the Upper Mississippian formation.

Section 17: N $\frac{1}{2}$ SW $\frac{1}{4}$ *(2) (80.00 acres)	Atlantic Richfield Company P.O. Box 1610 Midland, Texas 79702	87.50%
	Phillips Petroleum Company 311 Phillips Bldg. Odessa, Texas 79761	12.50%

Section 17: SW $\frac{1}{4}$ SW $\frac{1}{4}$ *(2) (40.00 acres)	Champlin Petroleum Company 300 Wilco Building Midland, Texas 79701	100%
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Section 17: SE $\frac{1}{4}$ SW $\frac{1}{4}$ *(2)	M. McDonnold, Jr. P.O. Box 409 Midland, Texas 79702	100%
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Note (2) SE $\frac{1}{4}$ Section 17 Subject to Communitization Agreement for Austin Com No. 1 Well. Phillips Petroleum Company, Operator.

Section 18: SE $\frac{1}{4}$ (160.00 acres)	Harvey E. Yates Company 300 Security National Bank Bldg. Roswell, New Mexico 88201	100%
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Section 18: NE $\frac{1}{4}$ (160.00 acres)	National Cooperative Refinery Assoc. 404 Lincoln Tower Bldg. Denver, Colorado 80295	75%
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Section 18: NE $\frac{1}{2}$ cont.

Security Trust Company, Trustee
Gary R. Hannah Trust. *P.O. Box 1081*
Albuquerque, New Mexico *87103*

25% *(3)

Note (3) This is an UNLEASED MINERAL INTEREST.

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