



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

RECEIVED  
 MAR 13 1979  
 OIL CONSERVATION DIVISION  
 SANTA FE

NSP - 1138  
 Rule 104 D II  
 Apr 12, 1979

March 8, 1979

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

Attn: Mr. Jerry Sexton

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

NW/4 Sec 17 - 14S - 36E

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.

In connection with the above letter, it has just been brought to my attention that there is a possibility that Adobe Oil and Gas Corp. is an operator in this area. They were not listed as current lease holders in the area, but I have notified them by certified mail in case they are.

A copy of this letter and Commission forms have been sent as of 3/8/79.

Very truly yours,

*Ronald M. Sentz*  
 Ronald M. Sentz  
 Drilling & Production Engineer

RMS:jb

att.

cc: Adobe Oil & Gas Corporation  
Certified Mail, Return Receipt Requested

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**MAR 13 1979**

NEW MEXICO OIL CONSERVATION COMMISSION

OIL CONSERVATION DIVISION

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

**SANTA FE** 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  
 DRILL  DEEPEN  PLUG BACK

6. Type of Well  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
 Southern Union Exploration Company

3. Address of Operator  
 1800 First International Building, Dallas, Texas 75270

4. Location of Well  
 UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE  
 AND 1980 FEET FROM THE West LINE OF SEC. 17 TWP. 4S RGE. 36E NMPM

7. Unit Agreement Name

8. Farm or Lease Name  
 State "17"

9. Well No.  
 1

10. Field and Pool, or Wildcat  
 5 Austin (Miss)

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.

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. Elli Title Chief Petroleum Engineer Date 10-13-78

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED  
MAR 13 1979

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

All distances must be from the outer boundaries of the Section

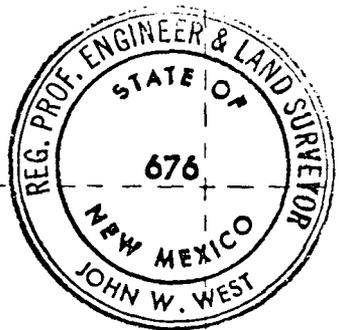
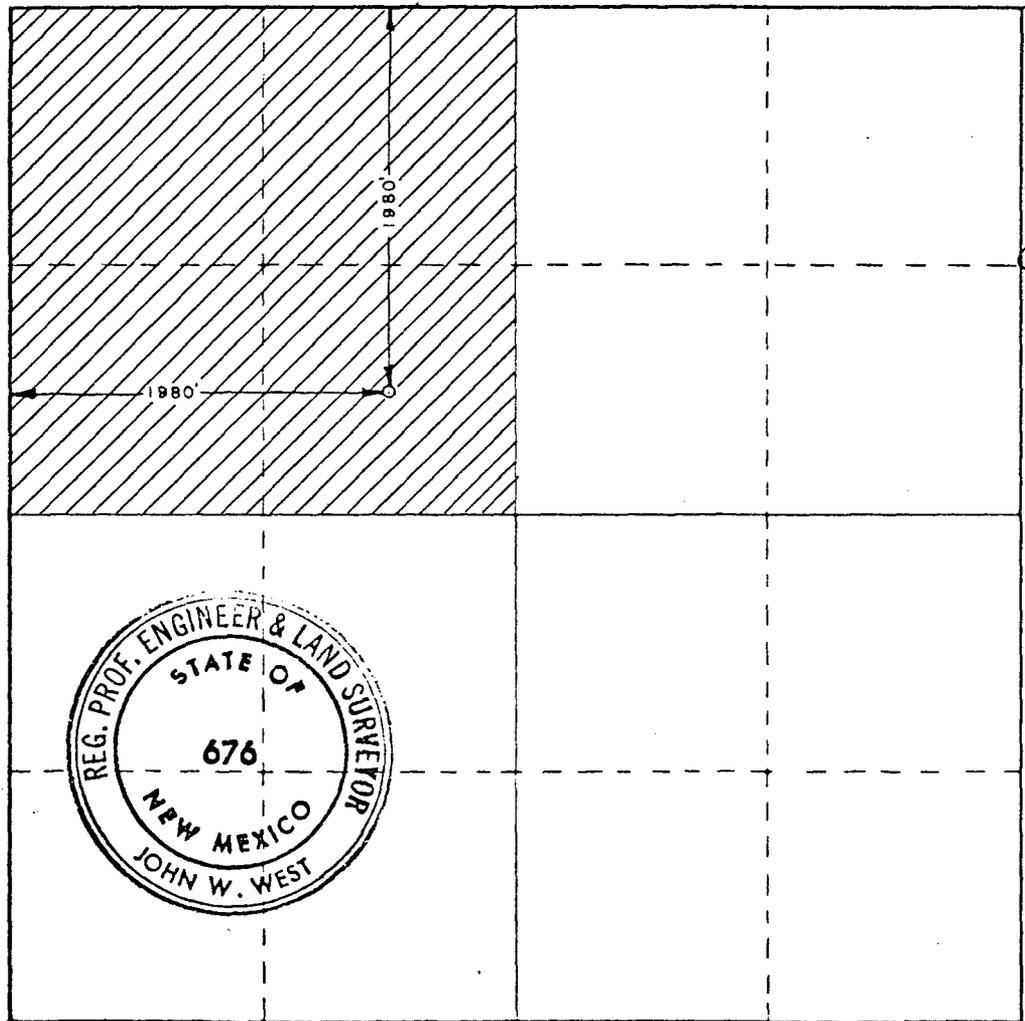
Operator <b>Southern Union Exploration Co.</b>		Lease		OIL CONSERVATION DIVISION	
State <b>17</b>		Well No. <b>1</b>		COUNTY <b>SANTA FE</b>	
Unit Letter <b>F</b>	Section <b>17</b>	Township <b>14 South</b>	Range <b>36 East</b>	County <b>Lea</b>	
Actual Footage Location of Well:					
<b>1980</b> feet from the <b>North</b> line and		<b>1980</b> feet from the <b>West</b> line			
Ground Level Elev. <b>3962.0</b>	Producing Formation <b>Mississippian</b>	Pool <b>Austin</b>	Dedicated Acreage: <b>160</b> 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, 1973

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. John W. West 676