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NOV 16 1984
OIL CON. DIV.
DIST. 3

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
State V-88	

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. Name of Operator

SOUTHERN UNION EXPLORATION COMPANY

3. Address of Operator

P.O. BOX 2179, FARMINGTON NM 87499

4. Location of Well

UNIT LETTER E LOCATED 1530 FEET FROM THE North LINE

AND 930 FEET FROM THE West LINE OF SEC. 16 TWP. 32N RGE. 8W NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Susco 16 State 16

9. Well No.

#2

10. Field and Pool, or Wildcat

Wildcat Pictured Cliffs

12. County

San Juan

19. Proposed Depth

4000'

19A. Formation

Pictured Cliffs

20. Rotary or C.T.

Rotary 0-4000'

21. Elevations (Show whether DF, RT, etc.)

6753' GR

21A. Kind & Status Plug. Bond

21B. Drilling Contractor

22. Approx. Date Work will start

March 1985

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	32.0#	220'	200 cuft Class B w/2% CaCl ₂	
7 7/8	4 1/2	10.5#	4000'	392 cuft 65/35 poz, 6% gel ²	
				185 cuft 50/50 poz, 2% gel	

1. Spud Rathole and mouse hole; drill 12 1/4" surface hole to 220' with water and benex Run 6 jts 8 5/8", 32.0#, K-55, ST & C casing. Cement with 200 cuft Class B cement
2. WOC 12 hrs. NU BOP and pressure test to 1000 psi.
3. Drill out surface casing and 7 7/8" hole to 4000' with low solids mud.
4. Run dual induction log 4000' to surface; CNL-FDC 4000'-2000'.
5. Run 4 1/2" 10.5# casing cement volume to fill to ± 220' (Ojo Alamo ± 2510') Set slips and NU wellhead.
6. Run temperature survey 8-16 hours after plug down to locate TOC.
7. Perforate and Stimulate the Pictured Cliffs 3680'-3800'.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION 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 Jeffrey B. Schweitzer Title SJ Div. Drlg & Prod. Engineer Date November 15, 1984

(This space for State Use)

APPROVED BY Frank D. Cherry TITLE SUPERVISOR DISTRICT #3 DATE NOV 16 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 5-16-85
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 90 DAYS.

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

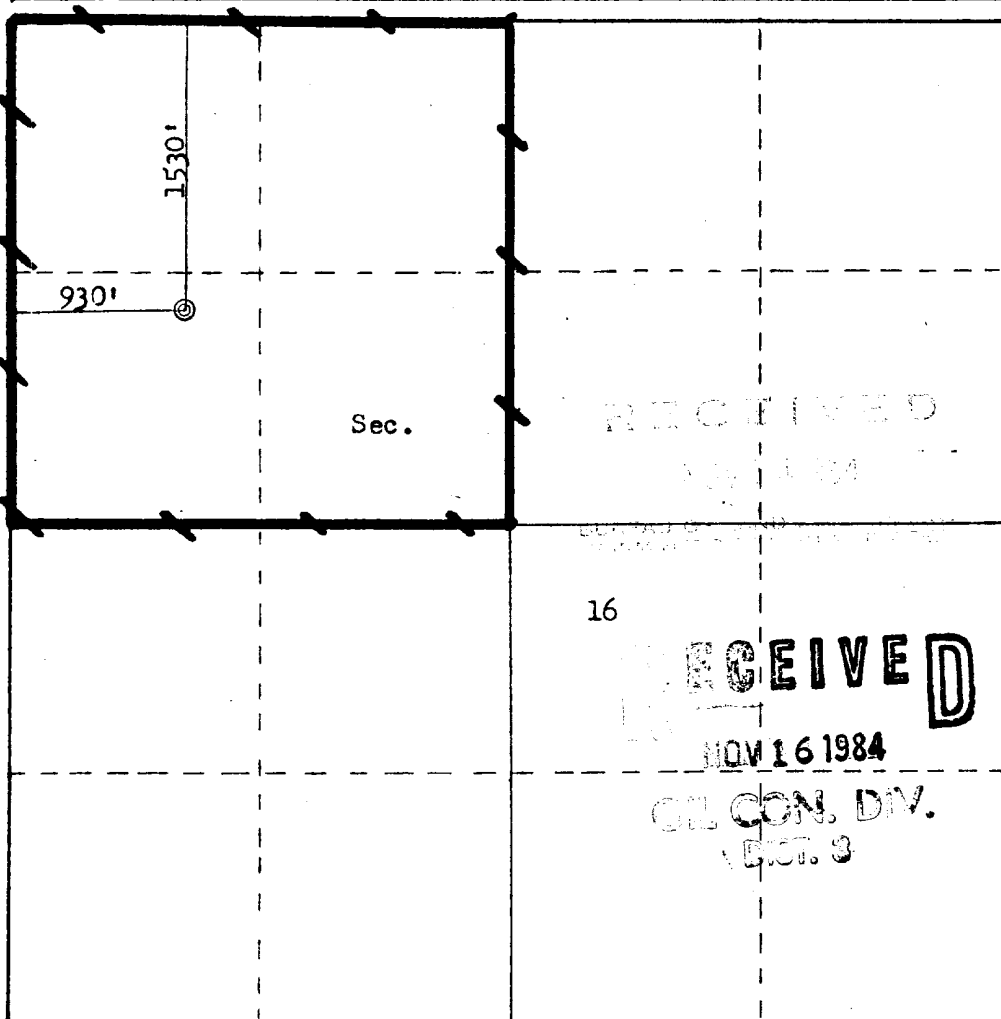
Operator SOUTHERN UNION EXPLORATION COMPANY			Lease SUSCO-STATE 16		Well No. 2
Unit Letter E	Section 16	Township 32N	Range 8W	County San Juan	
Actual Footage Location of Well: 1530 feet from the North line and 930 feet from the West line					
Ground Level Elev: 6753	Producing Formation Pictured Cliffs		Pool Wildcat Pictured Cliffs		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



Scale: 1"=1000'

CERTIFICATION

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

Jeffrey J. Bollschweiler
Name
Jeffrey J. Bollschweiler

Position
Div. Drlg & Prod Engineer

Company
Southern Union Exploration

Date
November 12, 1984

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
November 3, 1984

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. **3950**

Topographic map of a section of San Juan County, New Mexico, showing terrain, roads, and various landmarks. The map includes a grid with coordinates and labels for features like 'Pinto Canyon', 'Box Canyon', 'Rattlesnake Canyon', 'Albino', 'Negro', and 'Pump'. A title block at the bottom reads:

Vicinity Map for
 SOUTHERN UNION EXPLORATION CO. #2 SUSCO-STATE 16
 1530' FNL 930' FWL Sec. 16-T32N-R8W
 SAN JUAN COUNTY, NEW MEXICO

Vicinity Map for
SOUTHERN UNION EXPLORATION CO. #2 SUSCO-STATE 16
1530'FNL 930'FWL Sec. 16-T32N-R8W
SAN JUAN COUNTY, NEW MEXICO