

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Southern Union Exploration

3. ADDRESS OF OPERATOR

P.O. Box 2179 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with Survey State and Federal rules)
At surface 660' FSL & 660' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles South Farmington, NM

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

400

19. PROPOSED DEPTH

5200'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6291'

DRILLING OPERATIONS AUTHORIZED ARE

23. SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
14 3/4"	10 3/4"	40.5#	250'
7 7/8"	5 1/2"	15.5#	5200'

1. Drill 14 3/4" hole to 250' & set 10 3/4" csg. Cement to circulate to surface.
2. Pressure test BOP & log daily tests while drilling 7 7/8" hole to 5200'.
3. Log w/induction & density, set 5 1/2" csg @ 5200' if warranted.
4. Cement bond log, perforate & stimulate.

EXHIBITS ATTACHED:

- A. Location & elevation plat.
- B. Access & road map to location & radius map.
- C. Blow out preventer schematic.
- D. Multi point requirements for APD.
- E. 10 point compliance.
- F. Production facilities layout.
- G. Drillpad layout & cut/fill crosssection.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Drlg. & Prod. Supervisor

DATE 3-3-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

DATE

APR 07 1983

JAMES F. SIMS
DISTRICT ENGINEER

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

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

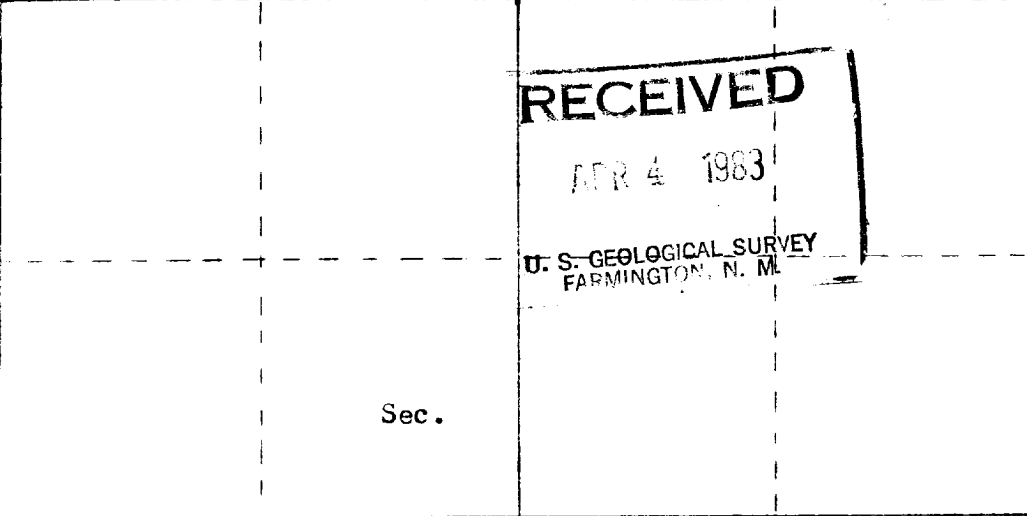
Operator SOUTHERN UNION EXPLORATION COMPANY			Lease SOUTH BISTI		Well No. 1
Unit Letter P	Section 3	Township 25N	Range 13W	County San Juan	
Actual Footage Location of Wells: 660 feet from the South line and 660 feet from the East line					
Ground Level Elev. 6291	Producing Formation Gallup		Pool Bisti Lower Wheat Gallup Ext.		Dedicated Acreage: 5/2 80 40 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.

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Scale: 1"=1000'

CERTIFICATION

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

Name *W. Schweitzer*
Position *Production Sup*
Company *Southern Union Exploration*

Date *3-10-83*

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 *March 10, 1983*
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Certificate No. *3950*

