

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 any State requirements.)

At surface

1725' FSL and 790' FEL

At proposed prod. zone

same

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

40 miles SSW of Dulce, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

790'

18. DISTANCE FROM PROPOSED LOCATION*

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

200'

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

7292 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	32.0	350'	260 cuft (Circ to surface)
7 7/8"	4 1/2"	10.5 & 11.6	6200	2 stages: 290 cuft & 290 cuft

1. Drill 12 1/4" hole to 350'. Run 8 5/8", 32.0#/ft, K-55 casing & cement @ 35
2. Pressure test casing and BOP to 800 psi.
3. Drill 7 7/8" hole to 6200' with water base mud.
4. Run Induction & Gamma Ray logs, Compensated Nuetron Density logs.
5. Run 4 1/2" 11.6 and 10.5# casing to 6200' & cement in 2 stage w/ Multiple Stage tool @ 3950' (Lewis Shale).
6. Drill out stage tool and cement bond log.
7. Perforate and Stimulate Mesa Verde (Point Lookout).

EXHIBITS:

- A. C-102 Survey and Location Plat
- B. Ten Point Compliance Plan.
- C. Surface Use and Operations Plan.
- D. Topographic Map
- E. Cut and Fill Diagram.

- F. Drill pad Layout.
- G. Production Facilities layout.
- H. Blow out preventer Schematic.

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

Jeffrey K. Schweitzer

TITLE

Drilling Supervisor

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

RECEIVED
JUN 07 1984
OFFICE OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

NMOCC

30-039-23476

5. LEASE DESIGNATION AND SERIAL NO.	Jicarilla Contract #100
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	Jicarilla Apache
7. UNIT AGREEMENT NAME	
8. FAEM OR LEASE NAME	Jicarilla 'D'
9. WELL NO.	#19
10. FIELD AND POOL, OR WILDCAT	Blanco Mesa Verde
11. SEC., T. R., M., OR BLK. AND SURVEY OR AREA	I Sec 31- T26N-R3W, NMPM
12. COUNTY OR PARISH	Rio Arriba
13. STATE	New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E320

20. ROTARY OR CABLE TOOLS

Rotary, 0- 6200'

22. APPROX. DATE WORK WILL START*

May 1, 1984

This action is subject to administrative
appeal pursuant to 30 CFR 290.

Dec 1 1983

APPROVED

AS AMENDED
JUN 07 1984

Jeffrey K. Schweitzer

AREA MANAGER
FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-71STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

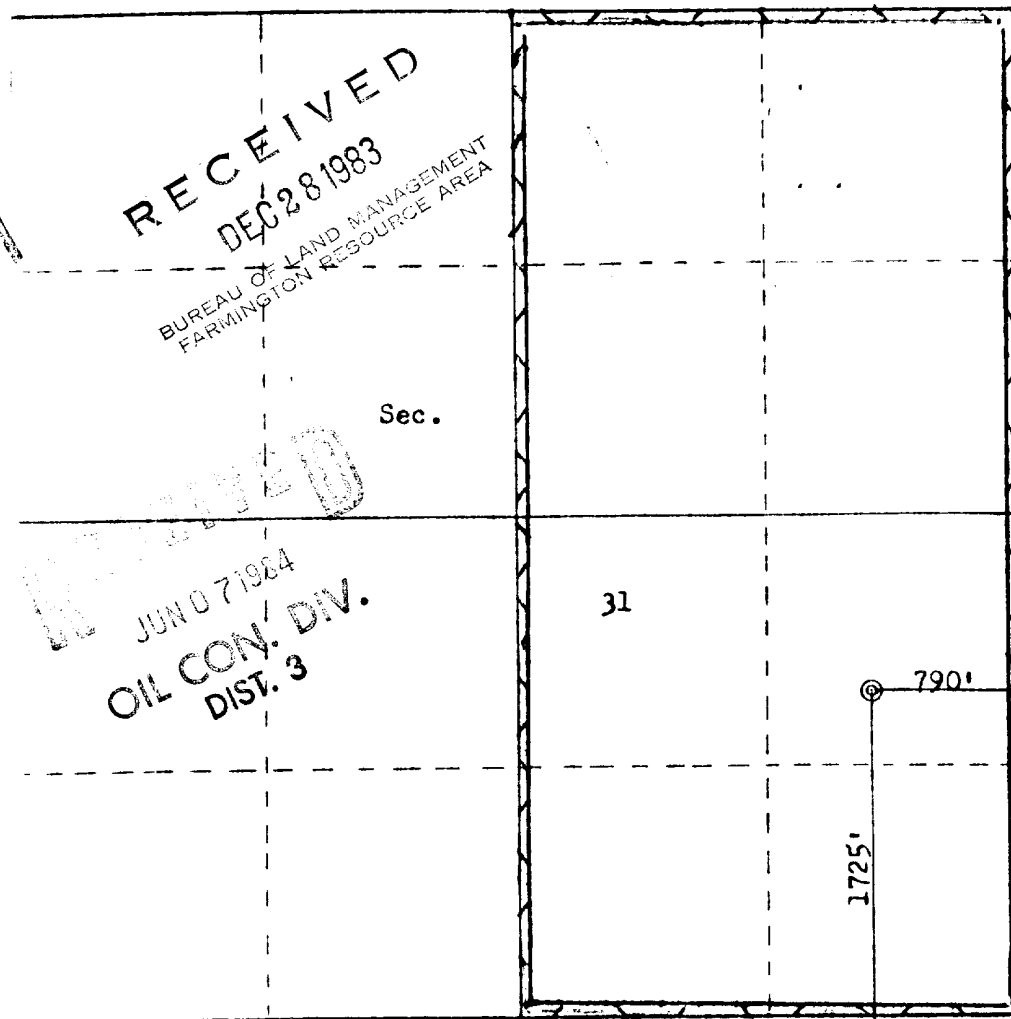
Operator SOUTHERN UNION EXPLORATION CO			Lease JICARILLA "D"		Well No. 19
Unit Letter I	Section 31	Township 26N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1725 feet from the South line and 790 feet from the East line					
Ground Level Elev. 7292	Producing Formation Mesa Verde		Pool Blanco		Dedicated Acreage 320 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.



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

Drilling & Production Super

Company

Southern Union Exploration

Date

March 3, 1983

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.

Staked: *4-15-82*

Date Surveyed

Re-issue February 28, 1983

Registered Professional Engineer
and Land Surveyor

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

Certificate No.

3750

