

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

314 N. Auburn, Drawer "F" Farmington, New Mexico 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface NE 1/4 Sec. 22-T26N-R4W

At proposed prod. zone 1000' FNL &amp; 1850' FEL

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

51.3 miles north-northwest of Cuba, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

1000

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1000

## 16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

E 320

## 19. PROPOSED DEPTH

7900

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6805 GR. 6505 GL

## 22. APPROX. DATE WORK WILL START\*

July 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4	10 3/4 K55 ST&C	40.5 New	350	220 Sks or suff to circ to surf
9 7/8	7 5/8 K55 ST&C	26.4 New	4200	250 Sks or suff to cover Ojo Alamo
6 3/4	5 1/2 K55 ST&C	15.5 New	7900	500 Sks or suff to circ top of liner.

1. Drill 14 3/4 hole and set 10 3/4 surface casing to 350' with good returns.
2. Log BOP checks in daily drill reports and drill 9 7/8 hole to 4200 & 6 3/4 hole to 7900.
3. Run tests if warranted and run 7 5/8 csg & 5 1/2 liner if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

## EXHIBITS ATTACHED

- A. Location & elevation plat.
- B. Access, roadmap to location & radius map of field.
- C. The blowout preventer diagram.
- D. The multi-point requirements for APD.
- E. Ten point compliance program.
- F. Production facilities layout.
- G. Drill pad layout, cut fill & cross section.
- H. Drill Rig layout.

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

*Joe Buehler*

TITLE

*Drilling Supervisor*

DATE

*May 7, 1982*

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

MAY 20 1982

JAMES F. SIMS  
DISTRICT ENGINEER

NMOCC

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

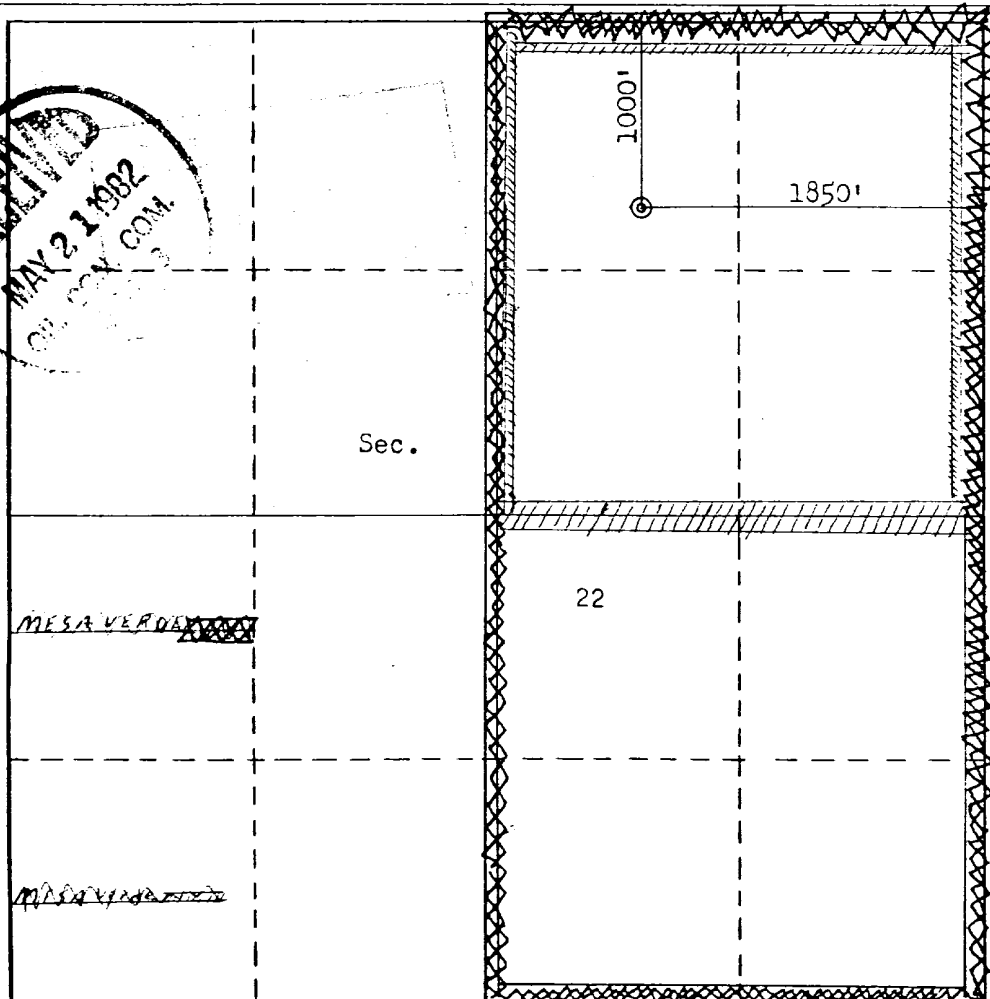
Operator SOUTHERN UNION EXPLORATION COMPANY			Lease JICARILLA "E"		Well No. 10 E
Unit Letter B	Section 22	Township 26N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1000 feet from the North line and 1850 feet from the East line					
Ground Level Elev. 6805	Producing Formation Gallup Dakota	Pool Wildhorse Gallup/Basin Dakota	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.



## CERTIFICATION

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

Name  
*Michael L Davis*  
Position  
*Division Mgr.*  
Company  
*Southern Union Expl*  
Date  
*May 12, 1982*

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  
*April 1982*  
Registered Professional Engineer and/or Land Surveyor  
*Fred B. Kerr Jr.*  
Certificate No.  
3950

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