

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 COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 2179 Farmington, N.M. 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

420' FSL &amp; 1850' FEL

At proposed prod. zone

Same

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

48 miles SW of Dulce, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

524'

16. NO. OF ACRES IN LEASE

2558.4

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary 0

22. APPROX. DATE WORK WILL START\*

July 1, 1984

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

4697' 6627' GR

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

PROPOSED CASING AND CEMENTING PROGRAM

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	32.0#	350'	260 cu ft (circ to surface)
7 7/8"	4 1/2"	11.6# & 10.5#	5600'	2 stage: 275 cu ft, 290 cu ft

1. Drill 12 1/4" surface hole to 350'. Run 8 5/8" 32.0#, K-55 & cement @ 350'.
2. Pressure test casing & BOP to 800 psi.
3. Drill 7 7/8" hole to 5600' w/water base mud.
4. Run Induction & Gamma Ray logs, Compensated Neutron density logs.
5. Run 4 1/2", 11.6# & 10.5# K-55, csg to 5600. Cement in 2 stages w/stage tool @ 3150' (Lewis shale)
6. Drill out stage tool & perforate Point Lookout.
7. Stimulate the Point Lookout.

Exhibits: A. C-102 survey & location plat F. Drill pad Layout  
B. Ten point compliance G. Production Facilities Layout  
C. Surface use & operations plan H. Blow out preventer schematic  
D. Topographic Map  
E. Cut and fill diagram

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

(This space for Federal or State office use)

TITLE

Division Engineer

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

AUG 14 1984

OIL CON. DIV.  
DIST. 3

NMOCC

APPROVED  
AS AMENDED

AUG 10 1984

AREA MANAGER  
FARMINGTON RESOURCE AREA

30-039-23516

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

Operator <b>SOUTHERN UNION EXPLORATION COMPANY</b>			Lease <b>JICARILLA "K"</b>		Well No. <b>22A</b>
Unit Letter <b>0</b>	Section <b>2</b>	Township <b>25N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>120</b> feet from the <b>South</b> line and <b>1850</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6697</b>	Producing Formation <b>Point Lookout (MV)</b>		Pool <b>Blanco Mesa Verde</b>		Dedicated Acreage: <b>320</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.

RECEIVED

AUG 14 1984

OIL CON. DIV.

DIST. 3

RECEIVED

AUG 14 1984

Sec.

BUREAU OF LAND MANAGEMENT

2

K-22

990'

890'

K-22A

120'

1850'

## 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

Division Engineer

Company

Southern Union Exploration

Date

May 7, 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

April 26, 1984

Registered Professional Engineer and Land Surveyor

*Fred B. Kerry Jr.*  
Fred B. Kerry Jr.

Certificate No. 4 KERN, N.M.

2050

JICARILLA A P A

