

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-20428

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 PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 303, FARMINGTON, New Mexico 87401

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

At surface

960 FT. FROM THE NORTH LINE AND 700 FT. FROM THE WEST LINE.

At proposed prod. zone

SAME AS ABOVE

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

15 MILES NORTHEAST OF COMBESLORO, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

700 UNIT LINE

4320 LEASE LINE

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

P.O. Well, 200 Ft.

19. PROPOSED DEPTH

7825

20. ROTARY OR CABLE TOOLS

Rotary

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

6900 FT. UNGRADED GROUND

22. APPROX. DATE WORK WILL START*

OCTOBER 1, 1971

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"	24.00	300 FT.	250 BAGS
7-7/8"	4-1/2"	10.50	7825 FT.	2500 CU. FT.

WE PROPOSE TO DRILL A DAKOTA WELL TO A T.D. OF 7825 FT.

1. CASING PROGRAM:

SURFACE: 8-5/8", 24.00, J-55 SET AT 300 FT.

PRODUCTION: 4-1/2", 10.50, J-55 SET AT 7825 FEET; WITH STAGG COLLAR SET
UNDER THE DESAVERDE FORMATION AT APPROX. 5900 FEET AND UNDER
THE PICTURED CLIFFS FORMATION AT APPROX. 3900 FEET.

2. Mud drill with Rotary to T.D. of 7825 FEET.

3. DAKOTA FORMATION WILL BE SAND FRACED TO STIMULATE PRODUCTION.

4. 1-1/2" TUBING WILL BE RUN TO DAKOTA.



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.

ORIGINAL SIGNED BY

SIGNED B. R. VANDERSLICE

TITLE AREA SUPERINTENDENT

DATE SEPTEMBER 21, 1971

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Tract JICARILLA "K"		Well No. 16
Unit Letter D	Section 12	Township 25 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 960 feet from the NORTH line 790 feet from the WEST line				
Ground Level Elev. 6990.0	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage N/2 - 320	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **NS**
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 consolidated. (Use reverse side of this form if necessary.) _____

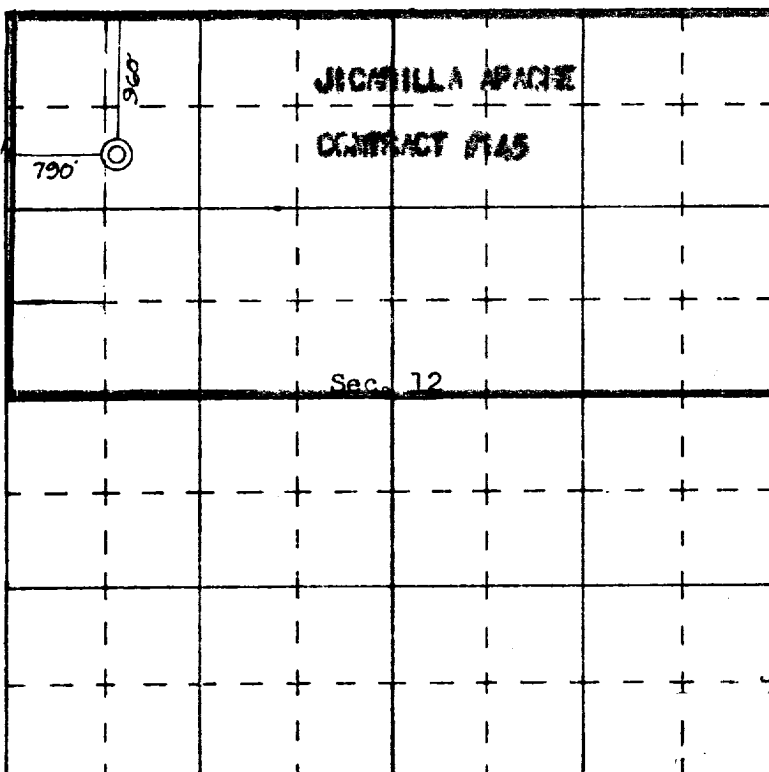
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

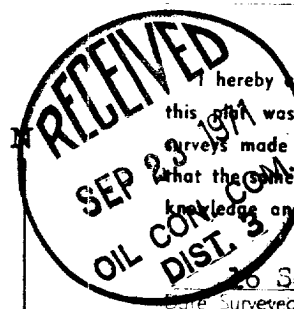
**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

Name **BILL VANDERSLICE**
 Position **AREA SUPERINTENDENT**
 Company **SOUTHERN UNION PRODUCTION**
 Date **SEPTEMBER 21, 1971**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



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.

20 September, 1971
Sole Surveyor

James P. Lee
 Registered Professional Engineer
 and a Land Surveyor
JAMES P. LEESE

1463
 Certificate No.