

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. CONTRACT #143
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICARILLA WAGIE
2. NAME OF OPERATOR SOUTHERN UNION PRODUCTION COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 808, Farmington, New Mexico 87401		8. FARM OR LEASE NAME JICARILLA #K
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1450 FT. FROM THE SOUTH LINE AND 2140 FT. FROM THE WEST LINE. At proposed prod. zone SAME AS ABOVE.		9. WELL NO. 17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 MILES NORTHEAST OF COUNSELORO, New Mexico		10. FIELD AND POOL, OR WILDCAT DASIL DAKOTA
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, 1450 FT., LEASE LINE)	16. NO. OF ACRES IN LEASE 2560	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T-35N, R-5E N.E.P.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. P.O. WELL	19. PROPOSED DEPTH 7770	12. COUNTY OR PARISH RIO ARriba
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6253 FT. UNGRADED GROUND		13. STATE New Mexico
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 320
		20. ROTARY OR CABLE TOOLS ROTARY
		22. APPROX. DATE WORK WILL START* OCTOBER 25, 1971

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 SACKS
7-7/8"	4-1/2"	10.50	7770 FT.	2500 CU. FT.

We propose to drill a DAKOTA WELL to a TOTAL DEPTH OF APPROXIMATELY 7770 FEET.

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 7770 FT. WITH STAGE COLLAR SET UNDER THE DESAVERDE FORMATION AT APPROX. 5950 FT. AND UNDER THE CHACRA AT APPROX. 4300 FT.

2. Mud DRILL WITH ROTARY.

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

4. 1-1/4" TUBING WILL BE RUN TO THE 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 OCTOBER 7, 1971
B. R. VANDERSLICE

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY E. L. O. 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

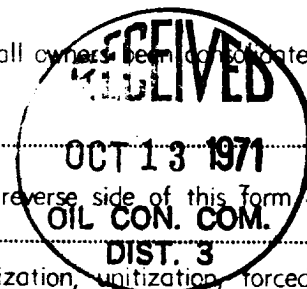
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICARILLA #11		Well No. 17
Unit Letter K	Section 12	Township 25 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1450 feet from the SOUTH line and 2140 feet from the WEST line					
Ground Level Elev. 6953.0	Producing Formation DAKOTA	Pool SASIE DAKOTA	Dedicated Acreage. 5/2 - 320 ✓ Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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.



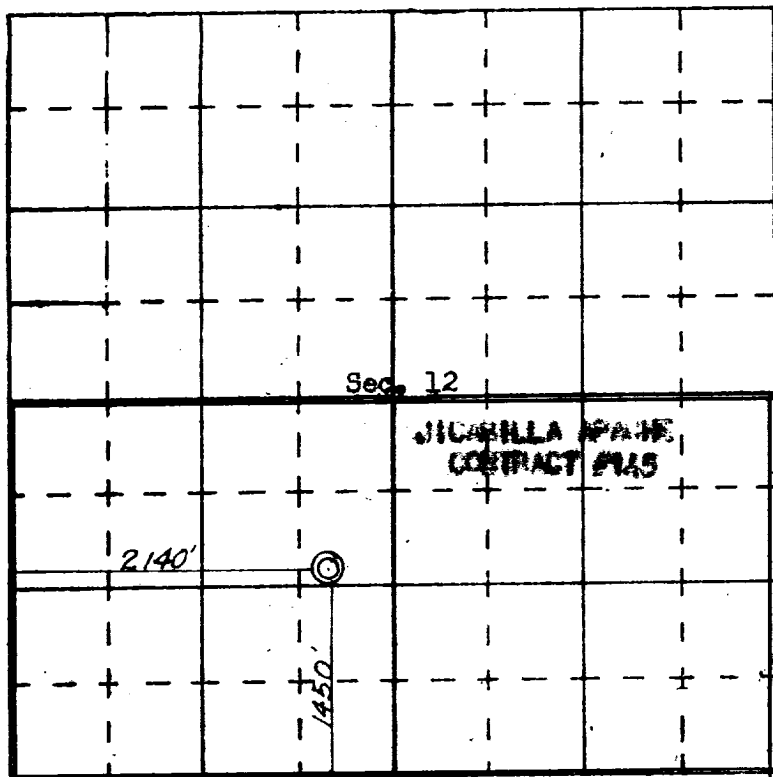
CERTIFICATION

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
B. R. VANDERSLICE
 Position
AREA SUPERINTENDENT
 Company
SOUTHERN UNION PRODUCTION
 Date
OCTOBER 7, 1971

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 Signed **5 October 1971**
 Registered Professional Engineer and/or Land Surveyor
JAMES LEE
1468
 Certificate No.



N

SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.