

30-639-20284

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 #145	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
7. 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 "X"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1455 ft. from the North line & 1045 ft. from the West line. At proposed prod. zone Same as above.		9. WELL NO. 11	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 miles North of Counselors, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1045 ft.		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 2, T-25N, R-5W N.M.P.M.	
16. NO. OF ACRES IN LEASE 2560		12. COUNTY OR PARISH de Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 318.8		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 200 ft.		19. PROPOSED DEPTH 7450	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* October 16, 1969	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6634 Ungraded Gr.		22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	10-3/4"	32.75#	300 ft.	250 sacks
9-7/8"	7-5/8"	26.40#	3200 ft.	200 sacks
6-3/4"	4-1/2"	10.50#	3050-7500	750 cu. ft. (Liner)

We propose to drill and complete a Dakota well at a T.D. of 7500 ft.

- Casing Program:
Surface: 10-3/4", 32.75#, H-40 set at 300 ft. Cemented w/250 sacks.
Intermediate: 7-5/8", 26.40#, J-55 set at 3200 ft. Cemented w/200 sacks.
Liner: 4-1/2", 10.50#, J-55 set from 3050 to T.D. 7500 ft. and cemented with approximately 750 cu. ft. of cement.

2. Well will be mud drilled to 3200 ft. and gas drilled to T.D. of 7500 ft.

3. Dakota formation will be sand fraced to stimulate production.

4. 2-3/8", 4.90#, E.U.E., Tubing will be run to Dakota at approximately 7250 ft.

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
B. R. VANDERSLICE
SIGNED Bill Vanderslice TITLE Area Superintendent DATE October 13, 1969
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

OCT 15 1969

OIL CON. COM.
DIST. 3

*See Instructions On Reverse Side

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.

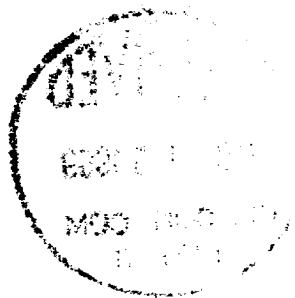
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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

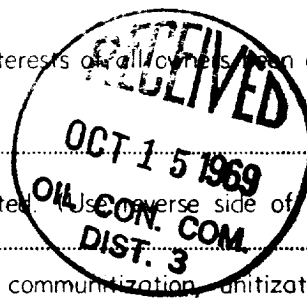
Operator SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA "K"		Well No. 11	
Unit Letter E	Section 2	Township 25 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1455 feet from the NORTH line and 1045 feet from the WEST line					
Ground Level Elev. 6634.0	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage (318.8) N/2 Sec. 2 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

Bill Vanderslice

Position

Area Superintendent

Company

Southern Union Production Co.

Date

October 9, 1969

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.

October 7, 1969

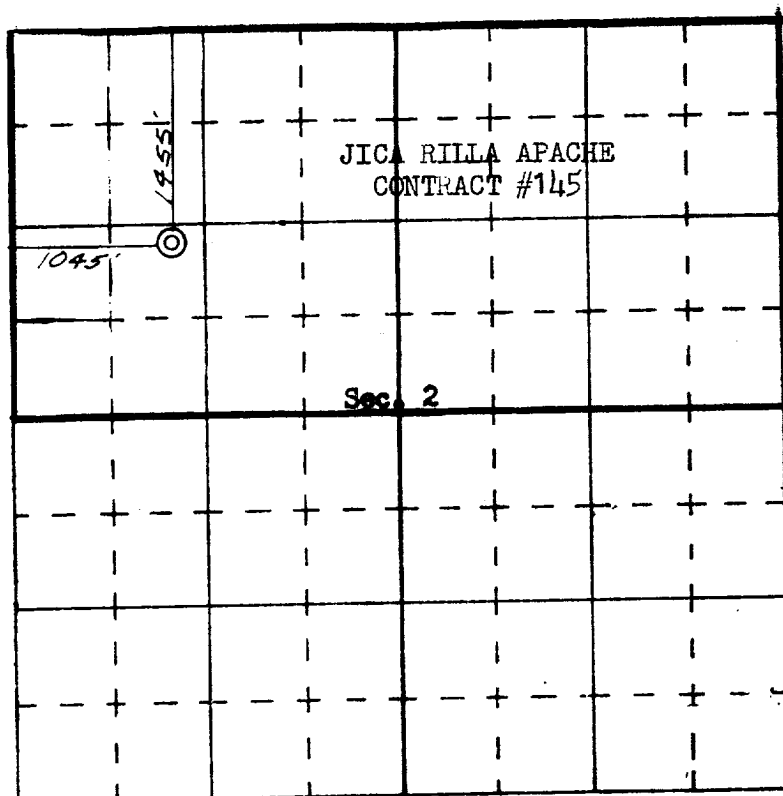
Date Surveyed

JAMES P. LEESE
Registered Professional Engineer
and/or Land Surveyor

JAMES P. LEESE

1463

Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

RECEIVED

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.