

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Owner: **SOUTHERN UNION PRODUCTION COMPANY** **JICAVILLA "N"** **2**
 Section: **3** **24 NORTH** **5 WEST** **RIO ARRIBA**
 Area: **790** **SOUTH** **1850** **WEST**
 Acres: **6654.0** **GALLUP - DAKOTA** **OTERO GALLUP** **60 Acres (Gallup)**
320 Acres (Dakota)

Outline the acreage to be dedicated to the subject well location on the plat below

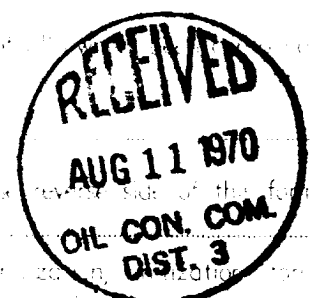
If more than one lease is made to the well location, the owner must indicate therefor (with working interest and royalty)

If more than one lease of interest is made to the well location, the interest must be indicated by notation of interest, term, etc., etc.

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Dedicated Dakota Acreage
Dedicated Gallup Acreage

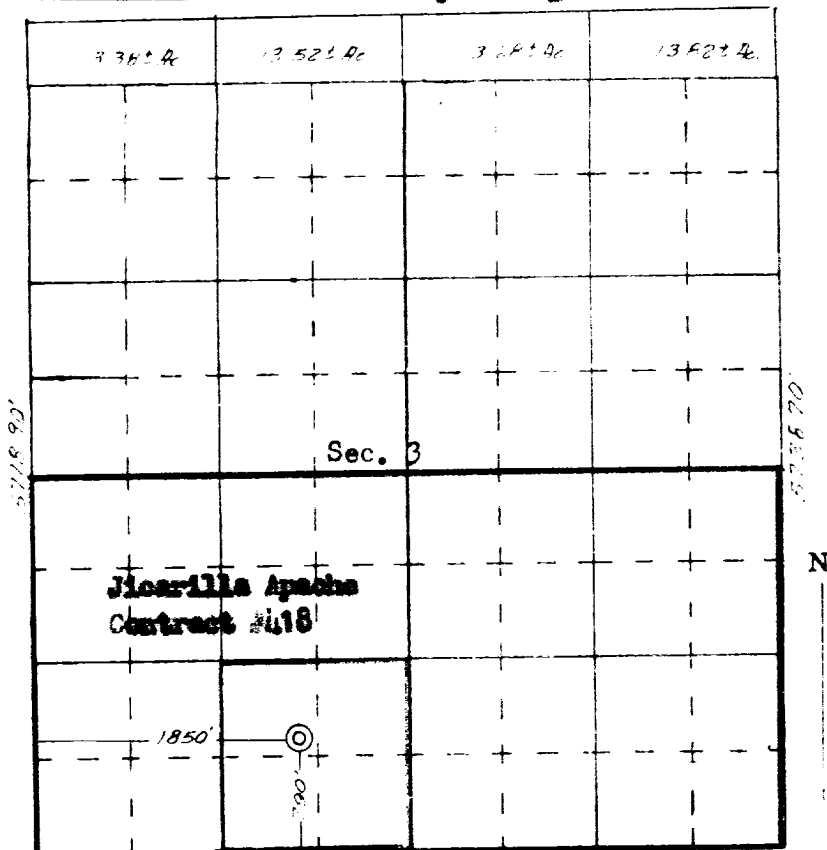
CERTIFICATION

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

Original signed by
GILBERT D. NOLAND, JR.
 Name: **Gilbert D. Noland, Jr.**
 Position: **Drilling Superintendent**
 Company: **Southern Union Production**
 Date: **August 7, 1970**

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.

5 August, 1970
 Signature: **James P. Leese**
 Position: **Professional Engineer**
 License No.: **1463**
 State: **NEW MEXICO**
 Certificate No.: **1463**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

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 #418	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
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 "N"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 790 ft. from the South line and 1850 ft. from the West line. At proposed prod. zone Same as above.		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 miles Northeast of Counsellors, New Mexico		10. FIELD AND POOL, OR WILDCAT Otero Gallup Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790 ft.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T-24N, R-5W N.M.P.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		12. COUNTY OR PARISH Rio Arriba	
19. PROPOSED DEPTH 7050 ft.		13. STATE New Mexico	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6654 ft. Ungraded ground level.		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 Acres (Gallup) 320 Acres (Dakota)	
22. APPROX. DATE WORK WILL START* August 14, 1970		20. ROTARY OR CABLE TOOLS Rotary	

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"	24.0#	300 ft.	250 sacks
7-7/8"	5-1/2"	15.5#	7050 ft.	2400 cu. ft.

We propose to drill a well to be dually completed in the Gallup and Dakota formations.
Anticipated total depth 7050 feet.

1. Casing Program:

Surface: 8-5/8", 24.0#, J-55 set at 300 ft. and cemented to surface w/250 sacks.
Production: 5-1/2", 15.50#, K-55 set at total depth of 7050 ft. 1st stage cemented w/600 cu. ft. of cement. Stage collar set at approx. 5000 ft. under Mesaverde and cemented w/375 cu. ft. of cement. Stage collar set at approx. 3600 ft. under Chacra and cemented w/1200 cu. ft. of cement.

- Rotary tools will be used to mud drill well from surface to total depth.
- Gallup and Dakota formations will be sand fraced to stimulate production.
- Baker 5-1/2" Model "D" production packer will be set at approximately 6700 ft. R.K.B.
- 2-1/16", 3.30#, Integral joint tubing will be run to Gallup and landed at approx. 6100 ft. R.K.B.
- 2-1/16", 3.30#, Integral Jt. Tbg. will be run to Dakota and landed @ approx. 6900' R.K.B.

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
GILBERT D. NOLAND, JR.
SIGNED _____ TITLE Drilling Superintendent DATE August 7, 1970
Gilbert D. Noland, Jr.
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COPY TO RECORDS



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.