

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|--|--|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. Contrast #105 | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 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 "A" | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1190 Ft. from the South line & 925 Ft. from the East line. At proposed prod. zone Same as above. | | 9. WELL NO. 18 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles Northwest of Ojito, New Mexico | | 10. FIELD AND POOL, OR WILDCAT Tapacito - Pictured Cliffs | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 4090 Ft. | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T-26N, R-4W N.M.P.M. | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx. 2300' | | 12. COUNTY OR PARISH Rio Arriba | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7143 Ungraded Gr. | | 13. STATE New Mexico | |
| 16. NO. OF ACRES IN LEASE 2560 | | 17. NO. OF ACRES ASSIGNED TO THIS WELL 160 | |
| 19. PROPOSED DEPTH 3900 Ft. | | 20. ROTARY OR CABLE TOOLS Rotary | |
| 22. APPROX. DATE WORK WILL START* June 1, 1974 | | | |

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# | 150 Ft. | 130 Cubic Ft. |
| 7-7/8" | 4-1/2" | 9.5# | 3900 Ft. | 1280 cubic Ft. |

We propose to drill a Pictured Cliffs gas well. The zone will be perforated and stimulated with a Sand-Water Frac. 1-1/2", E.U.R., 2.90# Tubing will be run to a depth of approx. 3800 feet.



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 March 29, 1974
B. R. Vanderslice
(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 ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

| | | | | | | | |
|---|---|-----------------------------|---|---|--|--------------------------|--|
| Operator SOUTHERN UNION PRODUCTION CO. | | | | Lease JICARILLA APACHE | | Well No. A #18 | |
| Unit Letter P | Section 14 | Township 26 NORTH | Range 4 WEST | County RIO ARriba | | | |
| Actual Footage Location of Well: 1190 feet from the SOUTH line and 925 feet from the EAST line | | | | | | | |
| Ground Level Elev. 7143 | Producing Formation Pictured Cliffs | | Pool Superite - Pictured Cliffs | Dedicated Acreage: 22/4 - 100 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.

CERTIFICATION

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

SIGNATURE OF
B. R. VANDERSLICE

Name

B. R. Vanderslice

Position

Area Superintendent

Company

Southern Union Production

Date

March 29, 1974

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

26 March 1974

Registered Professional Engineer

and/or Land Surveyor

James P. Leese

Certificate No.

1463

