

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 ☐

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 808, Farmington, New Mexico 87401

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

At surface

990 Ft. from the North line & 1685 Ft. from the East line

At proposed prod. zone

Same as above.

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

20 miles Northwest of Ojito, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1685 Ft.

955 Ft.

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.+
- 2650

19. PROPOSED DEPTH

8375

20. ROTARY OR CABLE TOOLS

Rotary

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

7214 Ungraded Gr.

22. APPROX. DATE WORK WILL START*

October 20, 1970

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#	350	274 sacks
9-7/8"	7-5/8"	26.40#	4125	475 cu. ft.
6-3/4"	5-1/2"	15.5#	Liner 8375-3950	600 cu. ft.

WE PROPOSE TO DRILL AND COMPLETE DUALY A MESAVERDE-DAKOTA WELL. ESTI. T.D. 8375 Ft.

1. Mud drill from base of surface casing to 4125 ft. Run Intermediate Casing. Gas drill to T.D. Esti. 8375. Run 5-1/2" Liner.
2. Production zones will be sand fraced to stimulate production.
3. Baker Model "D" 5-1/2" production packer will be set at approximately 8000 ft.
4. 1-1/2", 2.90# tubing will be run to Dakota and landed at approx. 8100 feet.
5. 1-1/2" Integral joint 2.75# tubing will be run to Mesaverde and landed at approximately 6000 feet.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on old productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

ORIGINAL SIGNATURE

B. R. VANDERSLICE

SIGNED

B. R. Vanderslice

TITLE

Area Superintendent

DATE

October 12, 1970

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

OCT 19 1970

JERRY W. LONG
DISTRICT ENGINEER

TITLE

DATE

OCT 13 1970

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO

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.

U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396
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APPROVED

Oct 1 9 1960

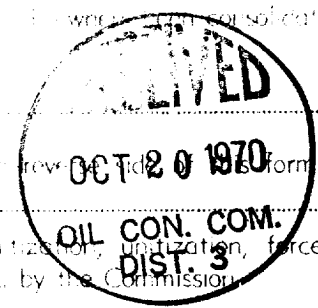
DEPT. W. LONG
DIRECTOR

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

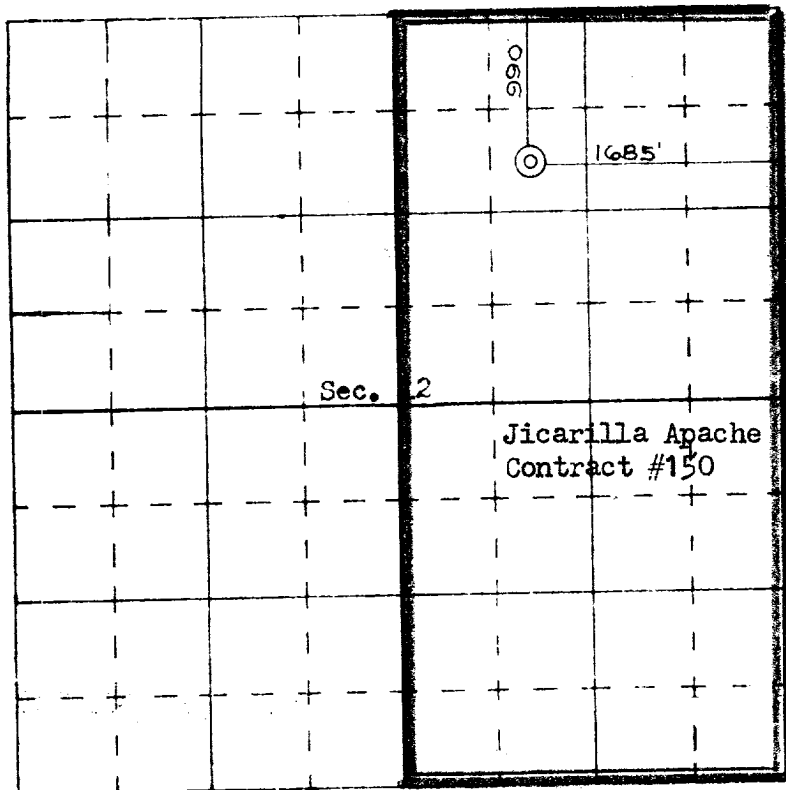
All distances must be from the outer boundaries of the Section

Operator **SOUTHERN UNION PRODUCTION COMPANY** Well No. **10**
 Unit Letter **B** Section **12** Township **26 NORTH** Range **5 WEST** Meridian **RIO ARriba**
 Actual Section Location of Well **990** Section from **NORTH** **1685** Section from **EAST**
 Government Section **7214.0** **Mesaverde** **Blanco Mesaverde** **Basin Dakota** **E/2; 320** Acres

- Outline the acreage dedicated to the subject well on the plat below
- If more than one lease is dedicated to the well outline same on the plat showing interest (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well have the interests been consolidated by communitization, unitization, force-pooling, etc?
 () Yes () No If answer is Yes, type out consolidation, unitization, force-pooling, etc. form if necessary.
 If answer is No, list the owners and tract show from which have not been consolidated. (Use reverse side of form if necessary)
 No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force-pooling, or otherwise, or until a non standard unit, eliminating such interests, has been approved by the Commission.



Blanco Mesaverde
Basin Dakota



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

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 12, 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.

9 October, 1970
 Registered Professional Engineer
 and/or Land Surveyor
JAMES L. LEESE
 1468
 Certificate No. **1468**