

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 220 ft. from the South line and 1515 ft. from the West 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) 920

16. NO. OF ACRES IN LEASE 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL 320 Dakota

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5000 ft.

19. PROPOSED DEPTH 8325

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7222 ft. Ungraded ground level

22. APPROX. DATE WORK WILL START*
June 24, 1968

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	400 ft.	250 sacks
9-7/8"	7-5/8"	26.40	4100 ft.	200 sacks
6-3/4	5-1/2"	15.50	3950-8325 ft.	750 cu. ft. (liner)

We propose to drill a well to be dually completed in the Dakota and Mesaverde formations. Anticipated total depth 8325 ft.

1. Casing Program:

Surface: 10-3/4", 32.75#, H-40 set @ 400 ft. Cemented w/250 sacks.
Intermediate: 7-5/8", 26.40#, J-55 set at 4100 ft. Cemented w/200 sacks.
Liner: 5-1/2", 15.50#, J-55 set from 3950 ft. to T.D. of 8325 ft. and cemented w/approx. 750 cu. ft. of cement.

- Well will be mud drilled from surface to 4100 ft. and gas drilled from 4100 ft. to T.D.
- Mesaverde and Dakota zones will be sand fraced to stimulate production.
- Baker Model "D" 5-1/2" production packer will be set at approx. 7900 ft. R.K.B.
- 1-1/2", EUE, 2.90#, JCW Tbg. will be run to Dakota and landed @ approx. 8200 ft. R.K.B.
- 1-1/2", Integral joint, 2.75#, JCW Tbg. will be run to Mesaverde and landed at approx. 5900 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. SIGNED B. R. Vanderslice TITLE Area Superintendent DATE June 18, 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE JUN 20 1968

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.

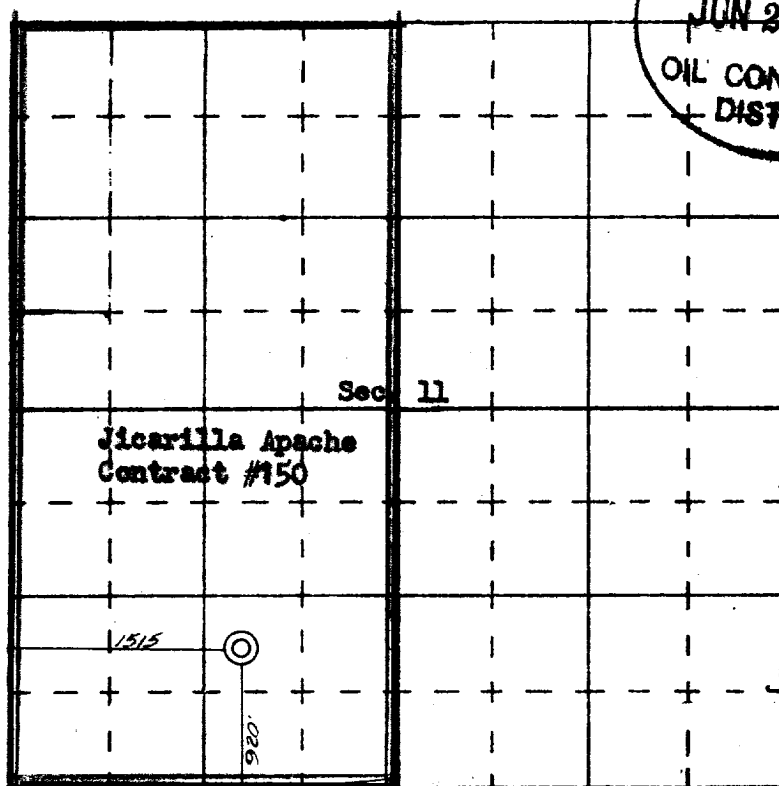


JUN 20 1968

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

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.

—BLANCO MESAVRDE
—BASIN DAKOTA



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

RECEIVED

JUN 21 1968

OIL CON. COM.
DIST. 3

CERTIFICATION

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

Name BR Vandenberg

B. R. Vandervlice

Position

Area Superintendent

Company

Southern Union Production Co.

Date _____

June 18, 1968

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.

13 June 1968

Registered Professional Engineer

Low Sp. 1000 L. 1000 L.

7. Other