

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
850 FT. FROM THE NORTH LINE AND 850 FT. FROM THE WEST LINE.
 At proposed prod. zone **SAME AS ABOVE.**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 MILES WESTWARD OF QUIRO, New Mexico

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
6630 FT.

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
**160 ACRES - GALLUP
200 ACRES - DAKOTA**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1810 FT.

19. PROPOSED DEPTH
8320 FT.

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7228 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*
AUGUST 10, 1971

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	32.75#	300 FT.	250 BAGS
9-7/8"	7-5/8"	26.40#	4100 FT.	800 CU. FT. CEMENT
6-3/4"	5-1/2"	15.50#	3950 - 8320	600 CU. FT. CEMENT

WE PROPOSE TO DRILL A WELL TO BE FULLY COMPLETED IN THE GALLUP AND DAKOTA FORMATIONS. ANTICIPATED TOTAL DEPTH 8320 FT.

- CASING PROGRAM**
 SURFACE: 10-3/4", 32.75#, N-40 SET AT 300 FT. CEMENTED W/250 BAGS.
 INTERMEDIATE: 7-5/8", 26.40#, N-55 SET AT 4100 FT. CEMENTED W/800 CU. FT. CEMENT.
 LINERS: 5-1/2", 15.50#, N-55 SET FROM 3950-8320 FT. CEMENTED W/600 CU. FT. CEMENT.
- WELL WILL BE SUD DRILLED FROM SURFACE TO 4100 FT. AND GAS DRILLED FROM 4100 FT. TO T.D.**
- GALLUP AND DAKOTA ZONES WILL BE SAND FRACED TO STIMULATE PRODUCTION.**
- BAKER 5-1/2" MODEL "D" PACKER WILL BE SET AT APPROX. 7900 FT. R.K.B.**
- 1-1/2", E.U.E., 2.90#, YCO-55 TUBING WILL BE RUN TO DAKOTA. SET APPROX. 8150 FT. R.K.B.**
- 1-1/2", 2.75#, YCO-55 I.J. TUBING WILL BE RUN TO GALLUP. SET APPROX. 7900 FT. R.K.B.**

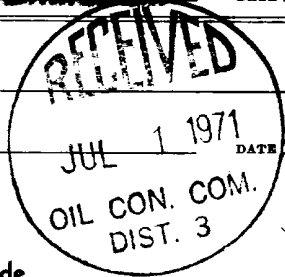
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. Original signed by
GILBERT D. NOLAND, JR.
 SIGNED GILBERT D. NOLAND, JR. TITLE DRILLING SUPERINTENDENT DATE JUNE 28, 1971

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

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.

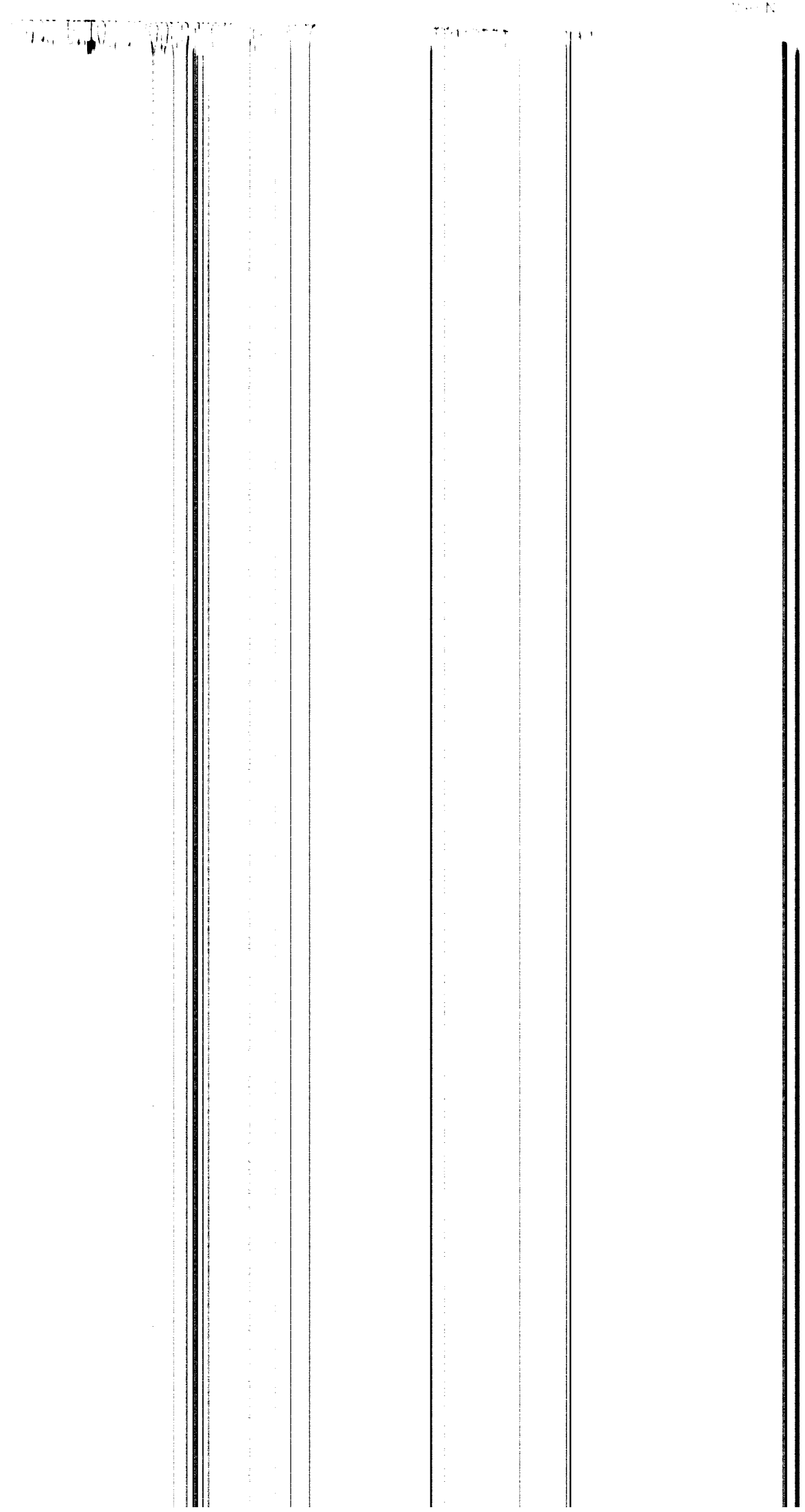
Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal 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 ACERAGE DEDICATION PLAT

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



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NEW MEXICO OIL CONSERVATION

COMMISSION

