

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.	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICAHILLA 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 JICAHILLA "H"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1450 FEET FROM SOUTH LINE & 1650 FEET FROM WEST LINE At proposed prod. zone SAME AS ABOVE		9. WELL NO. 7	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 22 MILES NORTHWEST OF SQUITO, NEW MEXICO		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED GALLUP BASIN, DAKOTA	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1450 FT.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T-26N, R-4W, N.M.P.M.	
16. NO. OF ACRES IN LEASE 2560		12. COUNTY OR PARISH RIO ARriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 162.91 ACRES - GALLUP		13. STATE NEW MEXICO	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 726 FT.		19. PROPOSED DEPTH 7670 FT.	
20. ROTARY OR CABLE TOOLS		21. APPROX. DATE WORK WILL START* MAY 26, 1967	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6628 FT. UNGRADED GROUND LEVEL		22. APPROX. DATE WORK WILL START*	

23. PROPOSED CASING AND CEMENTING PROGRAM

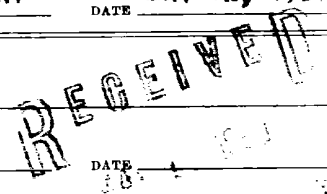
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	32.75#	300 FT.	250 SX.
9-7/8"	7-5/8"	26.40#	3350 FT.	1050 CU.FT.
6-3/4"	5-1/2"	15.50#	3200 - 7670	600 CU.FT (LINER)

WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE GALLUP AND DAKOTA FORMATIONS.
ANTICIPATED TOTAL DEPTH 7670 FT. R.K.B.

- CASING PROGRAM: SURFACE - 10 3/4", 32.75#, H-40 SET AT 300 FT. CEMENTED TO SURFACE W/250 SACKS.
INTERMEDIATE - 7-5/8", 26.40#, J-55 SET AT 3350 FT. CEMENTED W/1050 CU.FT.
LINER - 5-1/2", 15.50#, J-55 SET FROM 3200 FT. TO T.D. OF 7670 FT.
AND CEMENTED W/APPROXIMATELY 600 CU.FT. OF CEMENT.
- WELL WILL BE MUD DRILLED FROM SURFACE TO 3350 FT. AND GAS DRILLED FROM 3350 FT. TO T.D.
- GALLUP AND DAKOTA FORMATIONS WILL BE SAND FRACED TO STIMULATE PRODUCTION.
- BAKER MODEL "D" 5 1/2" PRODUCTION PACKER WILL BE SET AT APPROXIMATELY 7300 FT. RKB.
- 1 1/2" E.U.E., 2.90#, JOW TUBING WILL BE RUN TO DAKOTA & LANDED AT APPROXIMATELY 7450 FT. R.K.B.
- 1 1/2" INTEGRAL JT., 2.75#, JOW TEG. WILL BE RUN TO GALLUP & LANDED APPROX. 6600 FT. RKB.

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.		TITLE DRILLING SUPERINTENDENT		DATE MAY 12, 1967	
SIGNED GILBERT D. NOLAND, JR.		TITLE		DATE	
(This space for Federal or State office use)					
PERMIT NO.		APPROVAL DATE		DATE	
APPROVED BY		DATE		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.

