

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK O.W.W.O. DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. N.M. 048989	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR R. W. Warner, et al		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 414 Brady Street, Davenport, Iowa		8. FARM OR LEASE NAME Warner Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1130' from North line and 1130' from East line of Section 10, T22N, R8W At proposed prod. zone Same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 15 miles southwest of Lybrook, N. M. on Star Lake road.		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T22N, R8W	
16. NO. OF ACRES IN LEASE 2563.2		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N. Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6840 ground		22. APPROX. DATE WORK WILL START* April 12, 1965	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

This is a proposed work-over of the old Humble Oil & Refng. Co. South Chaco No. 4, which has been re-named as above. Old T.D. 5855; P.B.T.D. 5668, 5½" casing 5854. This well was originally completed 9-16-57 as a pumping oil well in the Dakota ss and later P&A.

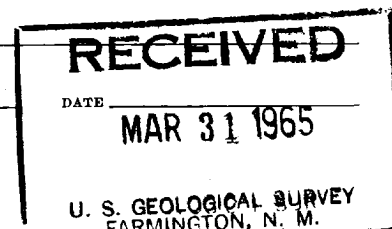
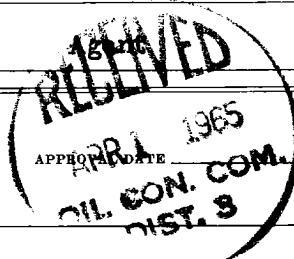
The Dakota sandstone and Gallup formation will be re-worked as follows:

1. Move on rotary rig, drill cement plugs and clean out to old PBTD of 5668. Test casing by pressuring with pump, abras-i-jet casing from 5637' to 5644', (Dakota), and sand oil fracture with 20,000 gal oil and 20,000 lb sand. Clean out and test; plug if non-productive; set cast iron plug above productive zone if productive.
2. Perforate Gallup formation from 4768' to 4831' with 2 jet shots per foot, acidize with 500 gal acid, sand oil fracture with 50,000 gal oil and 50,000 lb sand, clean out and test. If non-productive, squeeze off perforations; if productive, complete.

Well to be either; dual zone completed in Dakota and Gallup with zones separated; single zone completed in Gallup or Dakota; or plugged, according to results of production tests.

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 <u>E. A. Clement</u> TITLE <u> </u> DATE <u>3-31-65</u>	
(This space for Federal or State office use)	
PERMIT NO. <u> </u>	APPROVED BY <u> </u> TITLE <u> </u>
APPROVED BY <u> </u> CONDITIONS OF APPROVAL, IF ANY: <u> </u>	



21-127
OK if show on name change

*See Instructions On Reverse Side

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.