

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 ☐

2. NAME OF OPERATOR
Charles A. Dean

3. ADDRESS OF OPERATOR
825 Midland Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2030' FSL 1980w
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 mi southwest of Artesia, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1980

16. NO. OF ACRES IN PROPOSED WELL
640

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.
NA

19. PROPOSED DEPTH
9200

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4229 GR

22. APPROX. DATE WORK WILL START*
8/22/73

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48	1000	1000 sx
11	8-5/8	32	2000	500 sx
7-7/8	4-1/2	11.6	9200	700 sx

This well is to be a replacement well for the #1 same lease and operator, junked and plugged 8/18/73. It is proposed to air and mist drill the 17-1/2" hole to 1000' and set the 13-3/8" casing and circulate cement to surface. We feel this will be below all water zones experienced in the #1 well. The surface holes will be drilled with a hydril BOP plus a rotating head. After WOC a minimum of 18 hours, the casing will be tested to 1000 psi. The 11" surface hole will be air & mist drilled to approximately 2000'; the 8-5/8" casing run and cemented with 500 sx cement. After WOC a minimum of 18 hrs. the BOP stack will be installed and tested via 'Yellow Jacket' to working pressure as shown on the attached sketch. The 5000 psi manifold will be installed as per attached sketch with lines to burn pit 300' from Rig. The blowie line will be to same burn pit and a continuous propane pilot will be attached to blowie line end to ignite any gas from well. The internal yield of surface pipe being 3930 psi is safely above any anticipated formation pressure. The 7-7/8" hole will be air and/or mist drilled to total depth or to such point as excessive fluid entry into well bore prohibits continued air efforts. Should any gas be encountered, it will (over)

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 J. T. Berry TITLE Agent DATE 8/21/73

(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY [Signature] TITLE DISTRICT ENGINEER DATE AUG 22 1973

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.

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(continued from side one of this report)

be immediately tested as to pressure and volume. In the event such tests prove positive and it is judged unsafe to make a trip the hole will be loaded with a fresh water mud system of gel, Benex and adequate barite to control weight with CNC for water loss control. Adequate mud will be stored on location to convert to mud system with minimum time loss. At total depth, if production is encountered 4-1/2" 11.6#/ft. casing will be run and cemented with 1000 sx cement. Since this is a replacement well, it is requested that this application be tied in with the #1 well's BLM report, Development Plan for Surface use and BOP sketches since all will be identical.