

N.M.O.C.D. COPY

SUBMIT IN "PLICATE"
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42 R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23130

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ RECEIVED DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
Durham, Inc. ✓

3. ADDRESS OF OPERATOR
219 S. Colorado
ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FNL & 660' FWL
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
27 miles NW of Carlsbad, NM

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

16. NO. OF ACRES IN LEASE
400

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.

19. PROPOSED DEPTH
9,400

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4087' GR

22. APPROX. DATE WORK WILL START*
1-1-80

5. LEASE DESIGNATION AND SERIAL NO.
NM 038447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Stinking Draw Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Indian Basin, (Morro)

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 13, T-21-S,
R-22-E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	12-3/4"	35#	650'	See Reverse
11"	8-5/8"	24#	2000'	" "
7-7/8"	5 1/2"	17#	9400'	" "

Mud Program:

Interval	Type Mud	Weight(ppg)	Viscosity(sec)	Wtr Loss(cc)
0-650'	Fresh spud mud	8.4-8.9	36-42	NC
650-2000'	Fresh wtr & LCM	8.8-9.4	28-36	NC
2000-6500'	FW + Lime & LCM	8.6-9.0	27	NC
6500-7500'	FW + 3% KCl	8.8-9.0	28	NC
7500-TD	FW + Seamud, gel & starch	9.0-9.6	34-42	6-8

BOP Program: See Exhibit C

Dedication: Gas is not dedicated.

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 [Signature] TITLE Exploration Manager DATE 12/12/79
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

1-14-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*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 a fee or 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, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to re-fill 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.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

Cementing Program:

12-3/4" casing	335 sx Class C + 2% CaCl ₂ -Cement will circulate.
8-5/8" casing	325 sx HLC + 18% salt + 1/2#/sx Floseal followed by 200 sx Class C + 2% CaCl ₂ + 1/4#/sx Floseal (if circulation maintained, will run fluid caliper and adjust cement volumes accordingly). Cement will circulate.
5 1/2" casing	450 sx Class H 50/50 Poz + 3#/sx KCl + 1/4% CFR-2 (volume to be adjusted based on wireline caliper)