

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Meridian Oil Inc.

3. ADDRESS OF OPERATOR

21 Desta Drive, Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FNL & 660' FWL, Sec. 24, T-18-S, R-32-E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles south from Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

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

NA

19. PROPOSED DEPTH

12,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3804' GR

22. APPROX. DATE WORK WILL START

8-1-88

PROPOSED CASING AND CEMENTING PROGRAM

[CAPITAN WTR. BASIN]

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	350'	350 sx. Circulate
12 1/4"	8 5/8"	24 & 28#	3000'	1200 sx. Circulate
7 7/8"	5 1/2"	17#	12,500'	2400 sx. TOC @ 2700'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/350 sx C1 "C" w/2% CaCl2. Circ. Drill 12 1/4" hole to 3000'. Set 8 5/8" csg @ 3000'. Lead w/+1000 sx C1 "C" Lite & tail in w/200 sx C1 "C". Circ. Drl to TD to test Bone Spring & Wolfcamp. If commercial, run 5 1/2" csg to 12,500'. Cmt w/sufficient volume to bring above all prospective zones. Est TOC @ 2700'. Perf & stimulate Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350-3000' brine; 3000-10,300' cut brine & sweeps (chlorides 30,000+); 10,300-TD cut brine & Drispac. MW 9-9.2, VIS 36-36 (solids must be less than 5%).

BOP PROGRAM: 13 5/8"-3M annular BOP to be installed on 13 3/8" csg. 11"-5M stack to be installed on 8 5/8" & left on for remainder of drlg. Stack to consist of BOP, choke manifold, annular & rotating head as follows: 1-spool w/kill & choke lines; 1-11"-5M W.P. Double BOP (Pipe & blind rams); 1-11"-3M W.P. Annular Preventer' 1-Rotating head to be installed above Wolfcamp. Will test to rated working press w/independent tester on initial NU & prior to drlg into Wolfcamp. Annular test = 50% of rated W. P. PVT/Flo-sensor to be installed prior to drlg into Wolfcamp.

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

Cathy Hooks

TITLE

Operations Tech III

DATE

6/28/88

(This space for Federal or State office use)

PERMIT NO.

Orig. Signed by Richard L. Manus

APPROVAL DATE

AREA MANAGER

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

CAROL ANNOUNCER

DATE

6/28/88

*See Instructions On Reverse Side