

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 ☒

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 1980' FSL & 1980' FWL, Sec. 4, T-25-S, R-34-E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
24 miles southwest of Jal, New Mexico

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

16. NO. OF ACRES IN LEASE
320

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
15,250'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)
3353.4' GR

22. APPROX. DATE WORK WILL START*
10-18-87

5. LEASE DESIGNATION AND SERIAL NO.
NM-16139

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Pitchfork "4" Fed

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Pitchfork Ranch (Morrow)

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 4, T-25-S, R-34-E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	Conductor	40'	Ready Mix to surface
17 1/2"	13 3/8"	48#	600'	650 sx. Circ.
12 1/4"	9 5/8"	36#	5200'	2200 sx. Circ.
8 3/4"	7"	26#	13,300'	1700 sx. TOC @ + 5100'
6 1/8"	4 1/2" liner	13.5#	15,250'	300 sx. Liner top.

Set 20" conductor @ 40'. Drl 17 1/2" hole & set 13 3/8" csg @ 600'. Circ cmt. Drl 12 1/4" hole & set 9 5/8" csg @ 5200'. Circ cmt. Drl 8 3/4" hole & set 7" csg @ 13,300'. Circ cmt up to 5100'. Drl 6 1/8" hole & set 4 1/2" liner from 15,250' to 12,900'. Complete in Morrow thru single string of 2 7/8" tbg & PBR set in top of liner.

MUD PROGRAM: 0-600 spud mud; 600-5200 brine; 5200-13,300 cut brine; 13,300-13,900' brine; 13,900-TD oil mud. MW 12-13.5, VIS 50-80, BHP @ TD expected to be 10,000 psi.
BOP PROGRAM: 13 5/8"-5M annular BOP to be installed on 13 3/8" csg. 10"-10M BOP stack to be installed on 9 5/8" and left on for remainder of drilling. Stack to consist of drilling head, annular BOP, blind ram BOP, and two pipe ram BOP's. Test BOP's after setting 9 5/8" csg & 7" csg with an independent test company.

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 Hobbs TITLE Operations Tech III DATE 9/19/87
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 9-30-87
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

RECEIVED
OCT 1 1987
OCD
HOURS OFFICE