

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on
revers)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-38398 32398	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Meridian Oil Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 21 Desta Drive, Midland, Texas 79705			8. FARM OR LEASE NAME Caviness Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FS & EL, Sec. 10, T-18-S, R-33-E At proposed prod. zone			9. WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northwest of Hobbs, New Mexico			10. FIELD AND POOL, OR WILDCAT Mescalero Escarpe (Bone Sp)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'		16. NO. OF ACRES IN LEASE 240		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		19. PROPOSED DEPTH 9000'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3976.9' GR			22. APPROX. DATE WORK WILL START* 6-12-87	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 5/8"	48#	350'	350 sx. Circulate
12 1/4"	8 5/8"	24 & 28#	3100'	1400 sx. Circulate
7 7/8"	5 1/2"	15.5 & 17#	9000'	1700 sx. TOC @ 3100'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/350 sx. Circulate. Drill 12 1/4" hole to 3100'. Set 8 5/8" csg @ 3100'. Cmt w/1400 sx. Circulate. Test Bone Spring and intermediate horizons. If commercial, run 5 1/2" csg to TD. Cmt with sufficient volume to bring above all prospective zones. Est TOC @ 3100' w/DV @ 6500'. Perf & stimulate Bone Spring for production.

MUD PROGRAM: 0-350' spud mud; 350-3100' brine; 3100-8400' cut brine & sweeps; 8400-TD cut brine, Drispac. MW 9-9.2, VIS 30-32, 10-15 cc. BHP @ TD expected to be 1800 psi.

BOP PROGRAM: 11" BOP to be installed on 8 5/8" and left on for remainder of drilling. The BOP stack to consist of annular BOP, blind ram and one pipe ram BOP. Test BOP's with an independent tester and actuate and test @ 6700'.

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 C. C. Baker TITLE Operations Tech III DATE 5/28/87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY R. J. G. Jr. TITLE _____ DATE 6-16-87
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side