

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-30398		
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' FSL & 610' FEL, Sec. 10, T-18-S, R-33-E At proposed prod. zone			9. WELL NO. 5Y		
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 Spr		
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 610'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T-18-S, R-33-E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA			12. COUNTY OR PARISH Lea		
19. PROPOSED DEPTH 9000'			13. STATE N.M.		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3976.9' GR			17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
22. APPROX. DATE WORK WILL START* 7/14/87			20. ROTARY OR CABLE TOOLS Rotary		

23. 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#	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: 13 5/8" 1500 psi annular to be installed on 13 3/8" csg for drilling of 12 1/4" intermediate hole. 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'.

*** Caviness Federal No. 5 was plugged & abandoned per Armando Lopez of BLM and the rig skidded to this location. ***

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 Alky P. H. TITLE Operations Tech III DATE 7/15/87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY David C. Adams TITLE Acty DATE 7-24-87
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED
JUN 27 1967
ACC
COURT OFFICE