

~~CONFIDENTIAL~~

SUBMIT IN ~~PLICATE~~  
(Other instructions on  
reverse side)

30-015-25771  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-56541		
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 Benson "34" Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FSL & 1650' FEL, Sec. 34, T-18-S, R-30-E At proposed prod. zone			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 miles NE of Loco Hills, N.M.			10. FIELD AND POOL, OR WILDCAT Benson (Strawn)		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T-18-S, R-30-E		
16. NO. OF ACRES IN LEASE 160			12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3443' GR			22. APPROX. DATE WORK WILL START* 5-1-87		

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#	CIRCULATE 400'	400 sx. C1 "C" Circulate
12 1/4"	8 5/8"	24#	CIRCULATE 2000'	1000 sx. Lite C & 200 sx C1 "C"
7 7/8"	5 1/2"	17#	11,100'	Volume may vary w/upper zone development (TOC by Temp Survey) Circulate.

Set surf csg @ 400'. Circ cmt. Drl 12 1/4" hole to 2000'. Set 8 5/8" csg. Circ cmt. Drl to TD to test the Strawn & intermediate horizons. If commercial, run 5 1/2" csg to TD. Gmt w/sufficient volume to bring above all prospective zones. Est TOC @ 9000'. Perf & stimulate Strawn for production.

MUD PROGRAM: 0-400' spud mud; 400-2000 brine; 2000-10,500' cut brine & sweeps; 10,500-TD cut brine, Drispac MW 9.0-9.2, VIS 32-36, 10-15 cc. BHP @ TD anticipated to be 4400 psi.

BOP PROGRAM: BOP to be installed on 13 5/8"-3M annular BOP to be installed on 8 5/8" 11"-5M BOP stack. The BOP stack consist of an annular BOP, blind ram BOP and one pipe ram BOP. Test BOP w/Yellow Jacket, Inc.

GAS 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 Cathy Nokes TITLE Engineering Tech III DATE 4/14/87  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.