

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

30-025-30772
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-12412
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 Federal "23"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FSL & 2310' FFL Sec. 23, T19S, R32E At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles southeast of Maljamar, New Mexico		10. FIELD AND POOL, OR WILDCAT East Lusk (Wolfcamp)
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2310'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T19S, R32E
16. NO. OF ACRES IN LEASE 2000		12. COUNTY OR PARISH Lea
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 12,000'		13. STATE NM
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3602' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
23.		20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* 1-17-90

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 Cl. "C"
12 1/4"	8 5/8"	24#	4900' ^{SS}	1200 sx Lite "C"
7 7/8"	5 1/2"	15.5# & 17#	12,000'	2100 sx TOC @ 2700'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt. w/ 350 sx Cl "C", Circ. Drill 12 1/4" hole to 4900'. Run fluid caliper. Set 8 5/8" csg @ 2900'. Lead w/ 1200 sx Lite "C", tail in w/ 200 sx Cl "C", Circ. Drl to TD to test Middle & Lower Wolfcamp. If commercial run 5 1/2" csg to 12,000'. Cmt. w/ sufficient volume to bring above all prospective zones. Est. TOC @ 2700'. Perf and stimulate Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350-2900' brine; 2900-10,700' cut brine and sweeps (chloride 30,000+). 10,700-TD cut brine and Drispac. MW 9.0-9.2 (Solids must be less than 5% w/ VIS 32-36).

BOP PROGRAM: 13 5/8" - 2M annular BOP to be installed on 13 3/8" csg. 10"-3M stack to be installed on 8 5/8" and left on for remainder of drilling. Stack to consist of annular BOP, blind ram BOP, and one pipe ram BOP. Test BOP's after setting 8 5/8" csg with and independent tester.

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 Richard L. Bradshaw TITLE Sr. Staff Env./Reg. Spec. DATE 12/4/89
(This space for Federal or State office use)

PERMIT NO. Orig. Signed by Richard L. Manos APPROVAL DATE 1-5-90
APPROVED BY ASLA MANAGER TITLE CARLSBAD RESOURCE AREA
CONDITIONS OF APPROVAL, IF ANY: DATE 1-5-90

*See Instructions On Reverse Side

FILED

JAN 08 1930

OCD
HOBBS OFFICE