

N.M. OIL CONS. COMMISSION
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL **DEEPEN**

b. TYPE OF WELL
OIL WELL GAS WELL OTHER DISPOSAL SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Meridian Oil Inc.

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 51810, MIDLAND, TX 79710 **915-688-6943**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **660' FSL & 2485' FEL**
At proposed prod. zone **Unit 9**

10. FIELD AND POOL, OR WILDCAT
WEST TRISTE DRAW DELAWARE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
30, T23S, R32E

12. COUNTY OR PARISH **Lea** 13. STATE **NM**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
34.8 miles West From Jal

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE **240**

17. NO OF ACRES ASSIGNED TO THIS WELL
N/A DISPOSAL WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **175'**

19. PROPOSED DEPTH **6100'**

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show Whether DF, RT, GR, ETC.)
3595'

22. APPROX. DATE WORK WILL START
Upon Approval

**SUBJECT TO
LINE APPROVAL
BY STATE**

**SWD;
WARE**

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	28#	600'	CIRCULATE 375 sxs-surf.
7 7/8"	5 1/2" K-55	15.5#	6100'	CIRCULATE 850 sxs-surf.

No H2S Restrictions as per John Simitz - Roswell/BLM
No Prairie Chicken Restrictions
Not in Designated Potash Area

Lease Description : SE/4 & S2 NE/4 of Sec. 30, T23S, R32E.
240 acre lease

Contact Person: Donna Williams, 915-688-6943

OPER. OGRID NO. 26485
PROPERTY NO. 15123
POOL CODE 96100
EFF. DATE 8-26-94
API NO. 30-025-32646

RECEIVED
JUN 21 10 57 AM '94

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 [Signature] TITLE Production Assistant DATE 6/17/94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

APPROVED BY 1st Scott Powers TITLE Acting AREA MANAGER DATE 8/3/94
*See Instructions On Reverse Side

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

Form C-102
 Revised February 21, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number Unassigned		2 Pool Code 59945 9600		3 Pool Name SUTD West Triste Draw Delaware	
4 Property Code 13280 15223		5 Property Name LITTLE JACK "30" FEDERAL			6 Well Number 7
7 OGRID No. 26485		8 Operator Name MERIDIAN OIL INC.			9 Elevation 3595

10 Surface Location

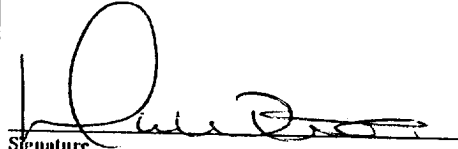

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
50	30	23 S	32 E		660	SOUTH	2485	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Same as Surface									

12 Dedicated Acres N/A - Disposal	13 Joint or Infill Well	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 N 89°43' E 80.00 ch. Lot 1 46.41 ac. 83.20 ch.	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Donna Williams Printed Name Production Assistant Title 6/17/94 Date		
		18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 5-25-94 Date of Survey Signature and Seal of Professional Land Surveyor  WILLIAM E. MAHNKE II Certificate Number	
			Lot 2 46.43 ac.
			Lot 3 46.45 ac.
Lot 4 46.47 ac. NORTH N 89°43' E 660' 2485' 83.24 ch.			

OPERATORS NAME:	Meridian Oil Inc.
LEASE NAME AND WELL NO.:	Little Jack '30' Federal No. 7
LOCATION:	660' FSL & 2485' FEL, Sec. 30, T23S, R32E
FIELD NAME:	Lower Bell Canyon Delaware
COUNTY:	Lea County, NM
LEASE NUMBER:	NM-86927

The following information is to supplement BLM form 3160-3 Application for permit to drill in accordance with Onshore Oil and Gas Order No. 1:

9 - POINT DRILLING PLAN

1. Name and estimated tops of important geologic formation/marker horizons.

<u>FORMATION</u>	<u>DEPTH</u>
Rustler	1025
Salado	1245'
Delaware	4560

2. Estimated depths at which the top and bottom of formations potentially containing usable water, oil, gas, or prospectively valuable deposits of other minerals are expected to be encountered and the operator's plans for protecting such resources.

Lower Bell Canyon/Delaware 5340'-5720' (Disposal Interval)

3. The operator's minimum specifications for Blowout Preventer (BOP) and related equipment to be used and schematic diagrams thereof showing sizes, pressure ratings, and the testing procedures and testing frequency. BOP and BOP - related equipment (BOPE) schematics shall include schematics of choke manifold equipment. Accumulator systems and remote controls shall be utilized.

11" 3M psi WP BOP to be installed on the 8 5/8" casing. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and a rotating head. Tested to 1500 psi before drilling the 8 5/8" casing shoe.

4. The proposed casing program including size, grade, weights, type of thread and coupling, and the setting depth of each string and its condition (new or acceptably reconditioned). For exploratory wells, or for wells as otherwise specified by the authorized officer, the operator shall include the minimum design factors for tensions, burst, and collapse that are incorporated into the casing design. In cases where tapered casing strings are utilized, the operator shall also include and/or setting depths of each portion.
 - 12 1/4" hole, 8 5/8" 28# K-55 csg set @ 600'
 - 7 7/8" hole, 5 1/2" 15.5# K-55 csg set @ 6100'
5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.
 - a. 8 5/8" csg: Cmt w/375 sxs. Class 'C' + 2% CaCl₂. Circ to surface.
 - b. 5 1/2" csg: Cmt in two stages w/DV Tool @ 4500'. 1st Stage: 250 sxs Super C Modified + .3% CF-2 + 5% salt + 1/4 pps celloseal. 2nd Stage: Lead w/500 sxs Class 'C' Lite + 5% salt + 1/4 pps celloseal, Tail w/100 sxs Class 'C' + 2% CaCl₂. Circ to surface.
6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

Mud Program:
0-600' Fresh water/gel/lime, MW 8.6 - 9.0
600'-6100' Brine, MW 10.0 - 10.1
7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.
 - a. DST Program: None

b. Core: None

c. Mud Logging: None

d. Logs to be run: GR Neutron

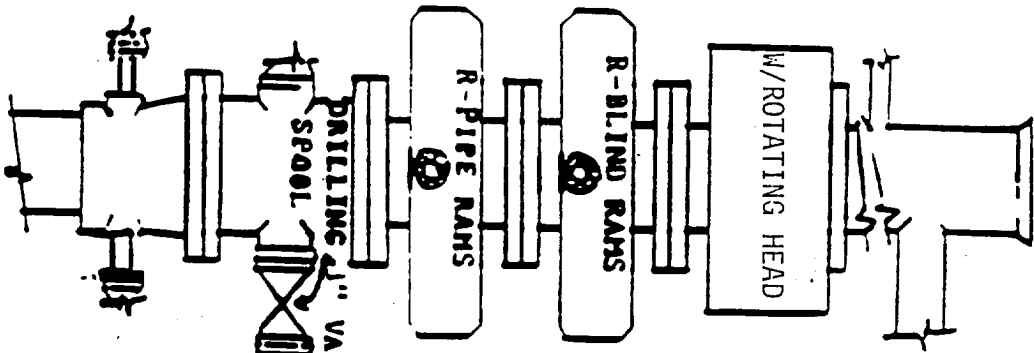
8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter hydrogen sulfide exist, the mitigation procedures shall comply with the provisions of Onshore Oil and Gas Order No. 6.

No abnormal pressures are anticipated. Bottom hole pressures at TD expected to be 2500 psi. Bottom hole temperature 100° F. No Hydrogen Sulfide expected in this known drilling area.

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

Anticipated drilling time expected to be 8 days from surface to TD.

DOUBLE RAM



BLOW OUT PREVENTION EQUIPMENT
10" 900S ALL FLANGED CONNECTIONS

