

N.M. OIL CONS COMMISSION  
P.C. 10X 1989  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Meridian Oil Inc.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 51810 Midland, Texas 79710-1810

915-688-6800

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL & 1980' FEL

At proposed prod. zone

Unit B

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

34.8 miles west of Jal, NM

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

80

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.

n/a 1st well

19. PROPOSED DEPTH

9,000'

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3649'

22. APPROX. DATE WORK WILL START\*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	600'	550 sxs - surf.
12 1/4"	8 5/8"	28#/32#	4500'	1800 sxs - surf.
7 7/8"	5 1/2"	17#	9000'	950 sxs - 4300' +/- TOC

Not in Designated Potash Area

Not in Hydrogen Sulfide Area

Not in Prairie Chicken Area

Notice of Staking submitted on September 29, 1995

Contact Person: Donna Williams, 915-688-6940

OPER. OGRID NO. 26485

PROPERTY NO. 17930

POOL CODE 59-15

EFF. DATE 11/15/95

API NO. 30-025-331 79

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

TITLE

Regulatory Compliance

DATE

10/13/95

(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 enable the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

(ORIG. SCD.) RICHARD L. MANNIX

TITLE

Area Manager

DATE

11-13-95

\*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.

5. LEASE DESIGNATION AND SERIAL NO.

NM ~~64924~~ 66924 SXS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

RIPS '30 Federal # 1

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT

South Sand Dunes West Triste Draw DeQuire

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

30, T23S, R32E

12. COUNTY OR PARISH

Lea

13. STATE

Nm

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

<sup>1</sup> API Number 30-025-33179		<sup>2</sup> Pool Code 58945		<sup>3</sup> Pool Name W Triste South Sand Dunes Delaware	
<sup>4</sup> Property Code 17930		<sup>5</sup> Property Name RIPS "30" FEDERAL			<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 26485		<sup>8</sup> Operator Name MERIDIAN OIL INC.			<sup>9</sup> Elevation 3649

<sup>10</sup> Surface Location

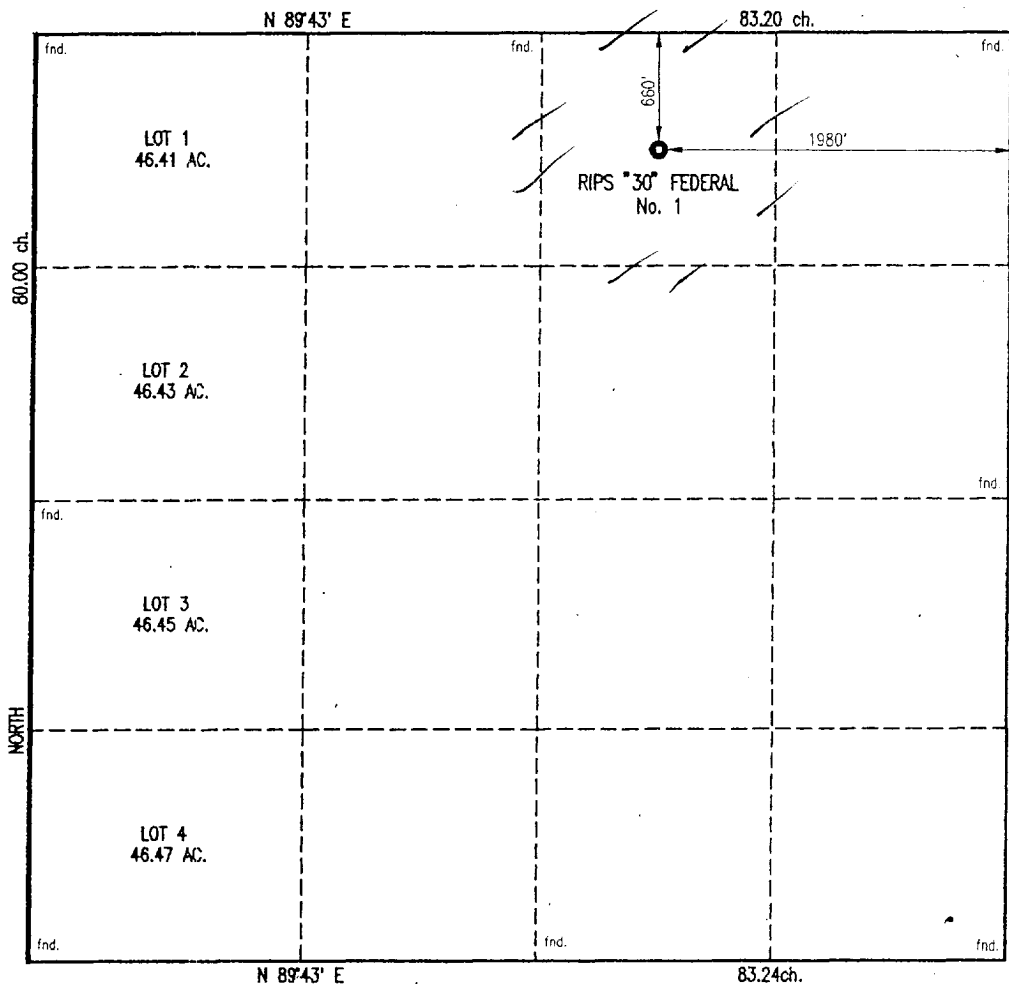
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	23 S	32 E		660	NORTH	1980	EAST	LEA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
40			

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



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Donna Williams*  
Signature  
Donna Williams  
Printed Name  
Regulatory Compliance  
Title  
10/13/95  
Date

<sup>18</sup> SURVEYOR CERTIFICATION

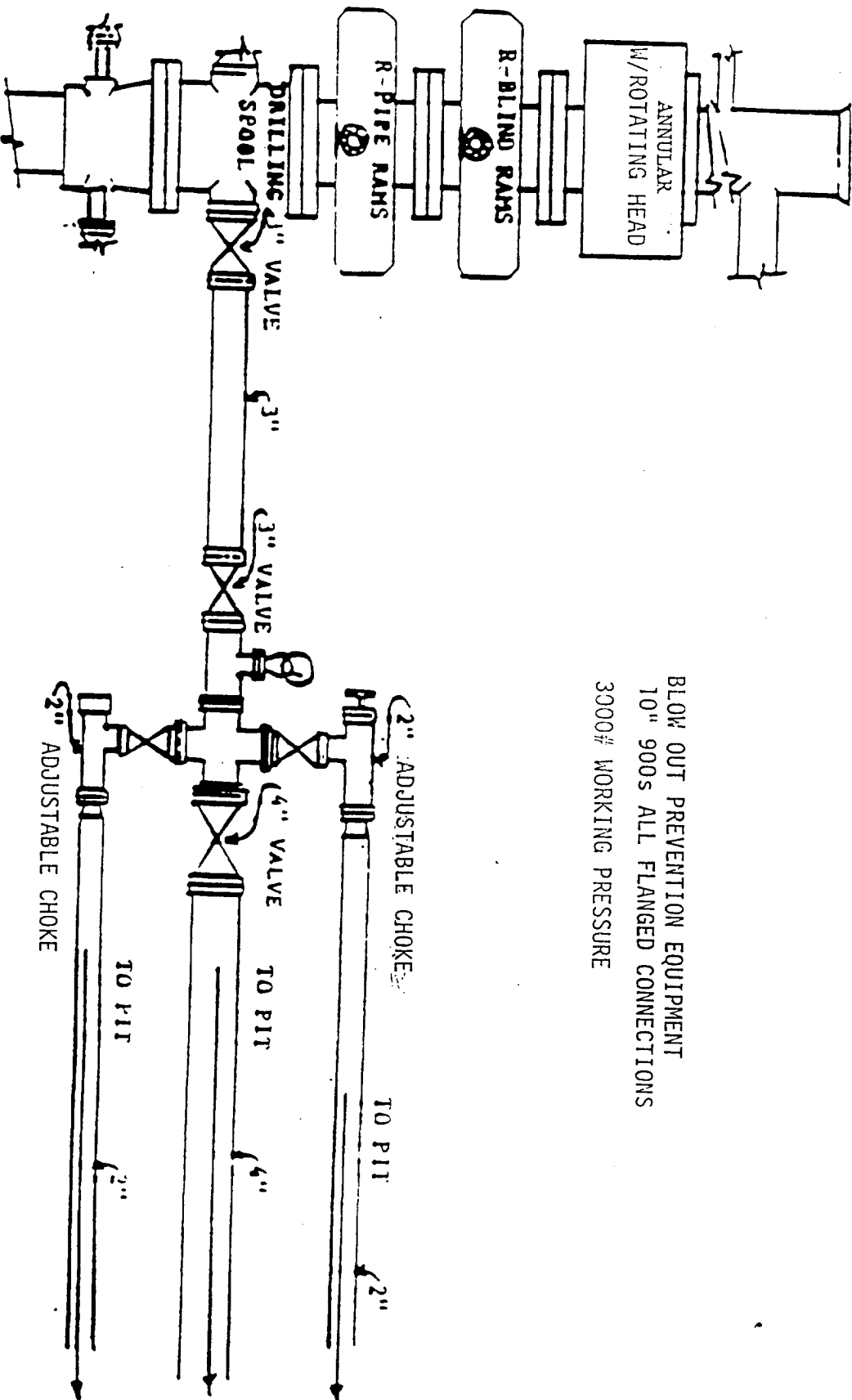
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 4, 1995

Date of Survey  
Signature and Seal of Professional Surveyor:

*William E. Mahnke*  
Signature and Seal of Professional Surveyor  
WILLIAM E. MAHNKE  
Certificate Number 8466  
PROFESSIONAL LAND SURVEYOR

# DOUBLE RAM



BLOW OUT PREVENTION EQUIPMENT  
 10" 900s ALL FLANGED CONNECTIONS  
 3000# WORKING PRESSURE

<b>OPERATORS NAME:</b>	<u>Meridian Oil Inc.</u>
<b>LEASE NAME AND WELL NO.:</b>	<u>RIPS '30' Federal # 1</u>
<b>LOCATION:</b>	<u>660' FNL &amp; 1980' FEL, Sec. 30, T23S, R32E</u>
<b>FIELD NAME:</b>	<u>South Sand Dunes</u>
<b>COUNTY:</b>	<u>Lea County, NM</u>
<b>LEASE NUMBER:</b>	<u>NM <del>64</del>924</u>
	6 <u>SJS</u>

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	4650

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.

Delaware	4560 (Oil)
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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.

13 5/8" 1.5M psi WP BOP w/rotating head to be installed on the 13 3/8" csg. Test to 750 psi before drilling the 13 3/8" csg. shoe.

11" 3M BOP stack to be installed on the 8 5/8" csg. 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.

17 1/2" hole, 13 3/8" H-40 48# csg set @ 600'

12 1/4" hole, 8 5/8" 28# K-55, 28#/32# csg set @ 4500' \*\*\*\*\*

7 7/8" hole, 5 1/2" 17# K-55 csg set @ 9,000'

\*\*\*\*\*SPECS: 8 5/8" K-55 BTC - ID=8.017", Drift=7.892", Burst  
=3390 psi, Collapse=1800 psi, and Tension=43,700 lbs

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. 13 3/8" csg: Cmt w/350 sxs Class 'C' + 4% gel + 2% CaCl<sub>2</sub>, tail w/200 sxs Class 'C' + 2% CaCl<sub>2</sub>. Circ. to surface.
- b. 8 5/8" csg: Cmt w/1500 sxs 'C' Lite, tail w/300 sxs 'C' + 2% CaCl<sub>2</sub>.

- c. 5 1/2" csg: Cmt (2 Stages) Stage 1" Cmt w/450 sxs Class 'H' 50/50 Poz + 2% gel + .6% Halad-9 + 3 pps KCL + 1/4 pps flocele. Stage 2: Cmt w/400 sxs Class 'H' Lite + .4% Halad-9. Tail w/100 sxs Class 'H' neat. Bring TOC to +/-4300'.

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 and lime system, MW 8.6-9.0  
650'-4500' Brine, MW 10.0-10.1 ppg  
4500'-8800' Fresh water, MW 8.5-8.7  
8800'-9,000' FW/Bentonite/Drispac, MW 8.6-8.9

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: Two-man unit 4600' to TD.
- d. Logs to be run: CNL-LDT/CAL/GR - TD-4500'  
DIL/GR: TD-ICP  
CNL/GR - 4500'-SURFACE

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 4000 psi. Bottom hole temperature 140 F. There is no anticipated Hydrogen Sulfide 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 18 days from surface to TD.