

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

30-045-21796  
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 10 1991

Bureau of Land Management  
Durango, Colorado

1a. TYPE OF WORK  
DRILL

1b. TYPE OF WELL  
GAS

RECEIVED

DEC 19 1991

OIL CON. DIV.  
DIST. 3

5. LEASE NUMBER

I-22-IND-2722

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR

MERIDIAN OIL INC.

14538

3. ADDRESS & PHONE NO. OF OPERATOR

PO Box 4289

FARMINGTON, NM 87499

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

7618 UTE

9. WELL NO.

18

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4. LOCATION OF WELL

2310' FNL 2310' FEL

10. FIELD, POOL, OR WILDCAT

BARKER CREEK PARADOX

71560

11. SEC. T. R. M OR BLK.

G SEC. 15 T32N R14W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN  
10 MILES NW OF LAPLATA, NM

12. COUNTY

SAN JUAN

13. STATE

NM

15. DISTANCE FROM  
PROPOSED LOCATION 2310'  
TO NEAREST PROPERTY  
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL  
640.00

JTW/B. Kute #8

18. DISTANCE FROM  
PROPOSED LOCATION  
TO NEAREST WELL DR. 2500'  
COMPL., OR APPLIED  
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS  
9400' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)  
6910' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

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24. AUTHORIZED BY:

REG. DRILLING ENGR.

9/5/91  
DATE

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE AREA MANAGER

DATE DEC 18 1991

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

ARCH REPORT SUBMITTED 08/14/91

APPROVE FOR A PERIOD  
NOT TO EXCEED 1 YEAR.

NMOCD

RECEIVED

OCT 02 1992

OIL CON. DIV  
DIST. 3

Submit to Addressee  
District Office  
State Lease - 4 copies  
For Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

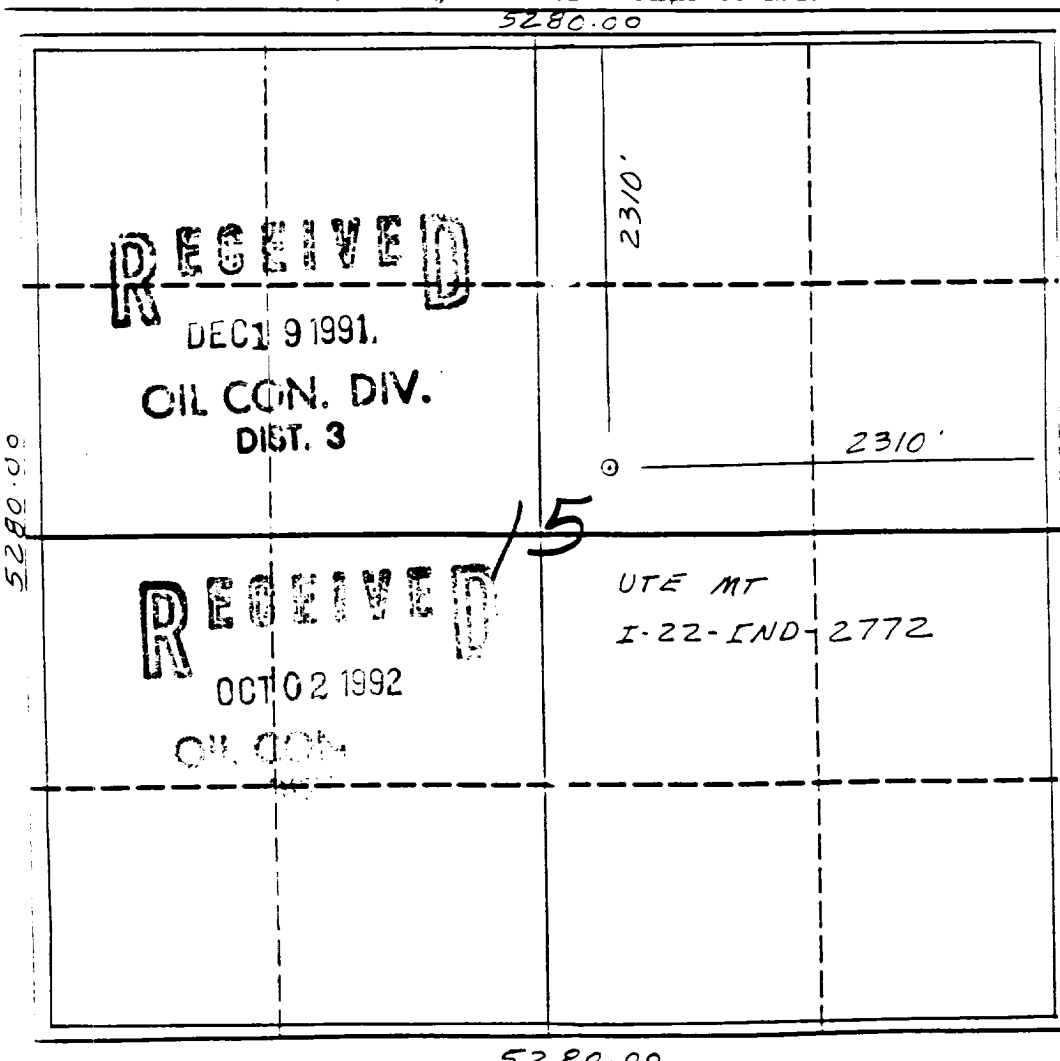
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Meridian Oil Inc.	Lease	Ute	Well No.	18
Unit Letter	G	Section	15	Township	32 North
				Range	14 West
				County	San Juan
Actual Footage Location of Well:					
	2310	feet from the	North	line and	2310
				feet from the	East
Ground level Elev.	6910'	Producing Formation	Paradox	Pool	Barker Creek
				Dedicated Acreage:	640
					Acres

- Outline the acreage dedicated to the subject well by colored pencil or highlight marker on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
No allowance will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, encompassing such interest, has been approved by the Division.

JT yute #8



OPERATOR CERTIFICATION

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

Signature  
Peggy Bradfield  
Printed Name  
Regulatory Affairs  
Position  
Meridian Oil Inc.  
Company  
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was plotted from field actual surveys made by me or my supervision, and that the same is correct to the best of my knowledge and belief. 8-5-91

Date Surveyed  
Signature of Surveyor  
Professional Surveyor  
NEW MEXICO  
6857  
REGISTERED LAND SURVEYOR  
Neale Edward

## III. Casing Program: (All casing will be new)

A. <u>Hole Size</u>	<u>Csg. Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Interval</u>
14 3/4"	10 3/4"	40.5#	K-55 ST&C	0' to 1090'
9 7/8"	7 5/8"	26.4#-29.7#	L-80 LT&C	0' to 8985'
6 3/4"	5 1/2"	20.0#	L-80 LT&C	8835' to 9400'

## B. Float Equipment:

Surface casing - guide shoe, float collar, centralizers every 4th joint.

Intermediate casing - guide shoe, float collar, stage tool above Ismay, stage tool above Shinarump, centralizers every 4th joint.

Production casing - float shoe, baffle, centralizers every other joint.

## C. Wellhead Equipment (sour gas service):

11" 3000 psi x 10 3/4" S. O. W. casinghead  
 11" 3000 psi x 9" 5000 psi tubinghead  
 9" 5000 psi x 3 1/8" 5000 psi adapter

Tree assembly for single completion sour gas service.

## IV. Cementing:

14 3/4" surface - cement with 500 sacks Class "B" 65/35 Pozmix with 1/4# flocele/sack and 3% calcium chloride (12.6#/gal. weight; 875 cu.ft. of slurry). Tail with 200 sacks Class "B" neat with 1/4# flocele/sack and 3% calcium chloride (15.6#/gal weight; 235 cu.ft. of slurry). 100% excess circulated to surface.

## 9 7/8" intermediate -

First stage - cement with 105 sacks of Class "B" 65/35 Pozmix with 1/4# flocele/sack and 2% calcium chloride (12.6#/gal. weight; 185 cu.ft. of slurry). Tail with 100 sacks Class "B" neat with 1/4# flocele/sack and 2% calcium chloride, (15.6#/gal. weight; 118 cu.ft. of slurry). 25% excess circulated to top of Ismay.

Second stage - cement with 500 sacks of Class "B" 65/35 Pozmix with 1/4# flocele/sack and 2% calcium chloride (12.6#/gal. weight; 880 cu.ft. of slurry). Tail with 100 sacks Class "B" neat with 1/4# flocele/sack and 2% calcium chloride (15.6#/gal. weight; 118 cu.ft. of slurry). 35% excess circulated to top of Shinarump.

Third stage - cement with 730 sacks of Class "B" 65/35 Pozmix with 1/4# flocele/sack and 2% calcium chloride (12.6#/gal. weight; 1285 cu.ft. of slurry). Tail with 100 sacks Class "B" neat with 1/4# flocele/sack and 2% calcium chloride (15.6#/gal. weight; 118 cu.ft. of slurry). 45% excess circulated to 900'.

NOTE: 3 hour circulation time between stages.

IV. Cementing (cont'd):

6 3/4" production liner - cement with 100 sacks Class "B" neat with 1/4# flocculent/sack and 2% calcium chloride (15.6#/gal. weight; 118 cu.ft. of slurry). 100% excess to 9000'. Will pressure test liner top to 4200 psi.

V. Drill Stem Test Program:

Upper Ismay	(8407')
Lower Ismay	(8490')
Upper Barker Creek	(8900')

All drill stem tests on Meridian operated wells will be run in compliance with OSHA requirements.

1. Hold safety meeting with all personnel prior to DST to explain procedure and safe areas.
2. A safety joint, jars, bypass and pump out sub will be included in the test tool assembly. Additionally, one T.I.W. valve will be run 30' from the floor, and one T.I.W. valve will be run 120' from the floor.
3. BOP's, kill line, fill-up line, and test line will be checked for proper working condition prior to going in hole.
4. Magna-flux inspection of all DST tools will be required prior to testing.
5. Smoking or open fires any place on location will not be permitted during test.
6. For all tests, the drill string will be reversed out before pulling out of hole, with the following as a procedural guide.
  - a. Release the packer and pull one stand only. Keep the hole full.
  - b. Drop the bar and open the reversing sub with pumps running. Reverse entire test to test tank.
7. All testing and reversing out will be performed during daylight hours only.

VI. Coring Program: Upper Ismay (8400-8460') and Upper Barker Creek (8900-8950')

VII. Anticipated abnormal pressures or temperatures: potential subnormal pressures (0.161 psi/ft) may be present in the 2nd Sour Barker Creek.

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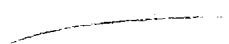
30-045-28796

10-02-92

F. Loc. 2310/N; 2310/E Elev. 6910 GL Spd. \_\_\_\_\_ Comp. \_\_\_\_\_ TD \_\_\_\_\_ PB \_\_\_\_\_  
 Cu. ft. \_\_\_\_\_ Cu. ft. \_\_\_\_\_  
 Casing S. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Int. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. Pr. \_\_\_\_\_ @ \_\_\_\_\_ W \_\_\_\_\_ Sx. T \_\_\_\_\_ C \_\_\_\_\_  
 Csg. Perf. \_\_\_\_\_ Prod. Stim. \_\_\_\_\_

T  
R  
A  
N  
S

Grav. \_\_\_\_\_ 1st Del. Gas \_\_\_\_\_  
 I.P. \_\_\_\_\_ BO/D \_\_\_\_\_ MCF/D After \_\_\_\_\_ Hrs. SICP \_\_\_\_\_ PSI After \_\_\_\_\_ Days GOR \_\_\_\_\_ 1st Del. Oil \_\_\_\_\_

TOPS	NITD	X	Well Log	TEST DATA							Ref No.
Ojo Alamo	C-103		Plot X	Schd.	PC	Q	PW	PD	D		
Kirtland	C-104		Electric Log								
Fruitland			C-122								
Pictured Cliffs	Ditr		Dfa								
Chacra	Datr		Dac								
Cliff House											
Menelee											
Point Lookout											
Mancos											
Gallup											
Greenhorn											
Dakota											
Entrada											
	Acres 640										

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BarkCrkParCo. SJ S 15 T 32N R 14W UG Oper. Meridian Oil Inc Lse. Ute No. 18

Ute #18

G-15-32N-14W

MERIDIAN OIL INC



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

San Juan Resource Area  
Federal Building  
701 Camino Del Rio  
Durango, Colorado 81301

JAN 12 1995

IN REPLY REFER TO:

CERTIFIED MAIL - RETURN RECEIPT REQUESTED (2 303 448 277)

PERMIAN OIL, INC.  
P.O. BOX 4200  
FARMINGTON, NEW MEXICO 87400

RE: well No. Ute 10  
SWNE Sec. 15-32N-14W  
San Juan County, New Mexico  
Lease No. 1-22-IND-2772

Gentlemen:

Please find returned without prejudice an approved Application for Permit to Drill (APD) for the above referenced well.

Should you decide to drill this well at some future date, please resubmit the appropriate updated APD.

Pursuant to Title 43 CFR 3165.3, you may request a State Director Review of any instruction, order, or decision of the Authorized Officer. This request must be in writing to the Colorado State Director within 20 business days of receipt of this notice. The State Director Review decision may be appealed to the Department of Interior Board of Land Appeals.

Inquiries may be directed to Donald Englishman of my staff at (303) 247-4082.

Sincerely,

Kent Hoffman  
Acting Area Manager

Enclosure

**ABANDONED LOCATION**

**RECEIVED**  
MAR 2 8 1995

**OIL CON. DIV.**  
DIST. 8