

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 14 1996
Bureau of Land Management
Durango, Colorado

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number I-22-IND-2772 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Ute Mountain Ute
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 18725 Ute Mountain Ute ✓ 9. Well Number 38 ✓
4. Location of Well 1450' FNL, 1140' FEL Latitude 36° 59.5, Longitude 108° 18.5	10. Field, Pool, Wildcat 96353 Barker Dome Desert Creek ✓ 11. Sec., Twn, Rge, Mer. (NMPM) H Sec 16, T-32-N, R-14-W ✓ API # 30-045-29357 ✓
14. Distance in Miles from Nearest Town 7 miles to LaPlata	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1140'	17. Acres Assigned to Well 525 N/2 Sec 16; all Sec 9 320 ✓
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 4000'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 9400'	22. Approx. Date Work will Start 2nd quarter 1996
21. Elevations (DF, FT, GR, Etc.) 7108' GR	
23. Proposed Casing and Cementing Program See Operations Plan attached	APPROVED FOR A PERIOD NOT TO EXCEED 1 YEAR. Venting / Flaring approved for 30 days per NTL-4A
24. Authorized by:  Regional Drilling Engineer	Date 2-12-96

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (s) Jim Lovato TITLE AREA MANAGER DATE MAR 13 1996
ACTING

Archaeological Report submitted by LaPlata Archaeological Consultants Report #9537c dated 10-11-95
Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 10-10-95
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

OK for 320 ACRES IN THE N/2 OF SEC 16

District I
PO Box 1988, Hobbs, NM 88241-1988
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

API Number 30-045-29357		Pool Code 96353	Pool Name Barker Dome Desert Creek
Property Code 18725	Property Name Ute Mtn Ute		Well Number 38
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 7108'

10 Surface Location

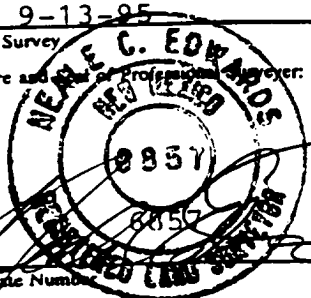
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	16	32 N	14 W		1450	North	1140	East	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 525.320	Joint or Infill	Consolidation Code	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 1641.42' 2640.00' 5283.30' 1450' 1140' 1653.96' 2640.00' 16	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 1-5-96 Date
	18 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. 9-13-95 Date of Survey  Signature and Seal of Professional Surveyor  Certificate Number

January 5, 1996

OPERATIONS PLAN

Well Name: Ute Mountain Ute #38
Location: 1450' FNL, 1140' FEL, Section 16, T-32-N, R-14-W
San Juan County, NM
Formation: Barker Dome Desert Creek
Elevation: 7108' GR

Formation:	Top	Bottom	Contents
Surface	Menefee	966'	
Point Lookout	966'	1461'	fresh water
Mancos	1461'	2368'	
8 5/8" surface casing	1711'		+ 250' into Mancos
Niobrara	2368'	3068'	
Greenhorn	3068'	3136'	
Graneros	3136'	3195'	
Dakota	3195'	3413'	gas
Morrison	3413'	3970'	fresh water
Junction Creek	3970'	4311'	salt water
Summerville	4311'	4399'	
Todilto	4399'	4408'	
Entrada	4408'	4521'	salt water
Chinle	4521'	5975'	
Cutler	5975'	7543'	
Hermosa	7543'	8725'	
Ismay	8725'	8906'	gas (potentially 100-1580 ppm H ₂ S)
Desert Creek	8906'	9032'	gas (potentially 4-11,900 ppm H ₂ S)
Akah	9032'	9402'	
Upper Barker Creek	9204'		gas (potentially 0-12,000 ppm H ₂ S)
Total Depth	9400'		

Logging Program:

Mud logs - Niobrara to Total Depth
Wireline Logs - AIT, LDT-APS, DSSI, FMI - to Total Depth

Mud Program:

Interval	Type	Weight	Vis	Fluid Loss
0 - 90'	Air	N/A	N/A	N/A
90 - SCP	Spud	8.4-8.9	40	No Control
SCP-T.Ismay	Fresh Water	8.4-8.6	26-30	No Control
T.Ismay-TD	LSND/Dispersed	8.4-9.0	36-50	Less than 12

Casing Program: (all casing will be new)

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
26"	0' - 90'	16"		Conductor
12 1/4"	0' - 1711'	8 5/8"	24.0#	K-55 LT&C
7 7/8"	0' - 9400'	5 1/2"	17.0#	L-80 LT&C

Tubing Program: 0' - 9400' 2 7/8" tubing

