

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 14 1996

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Durango, Colorado

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 1453P	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 18225 Ute Mountain Ute ✓ 9. Well Number 40
4. Location of Well 1665' FSL, 1790' FEL Latitude 36° 58.3, Longitude 108° 19.8	10. Field, Pool, Wildcat 46353 Barker Dome Desert Creek 11. Sec., Twn, Rge, Mer. (NMPM) J Sec 20, T-32-N, R-14-W ✓ API # 30-045- 29354 ✓
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 1665'	17. Acres Assigned to Well 320 E/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2800'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 8410'	
21. Elevations (DF, FT, GR, Etc.) 6135' GR	22. Approx. Date Work will Start 2nd quarter 1996
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> 907 Regional Drilling Engineer	Date <u>2-12-96</u>

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY AREA MANAGER
(s) Jim Lovato

TITLE AREA MANAGER
ACTING

DATE MAR 11 1996

Archaeological Report submitted by LaPlata Archaeological Consultants Report #9537g dated 09-29-95
Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 10-09-95
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

[Signature]

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

1 API Number 30-045-29354		2 Pool Code 96353		3 Pool Name Barker Dome Desert Creek	
4 Property Code 18725		5 Property Name Ute Mtn. Ute			6 Well Number 40
7 OGRID No. 14538		8 Operator Name Meridian Oil Inc.			9 Elevation 6135'

10 Surface Location

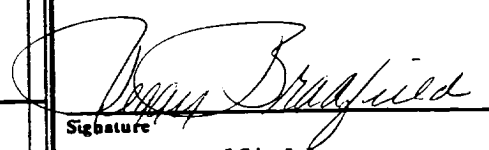
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	20	32 N	14 W		1665	South	1790	East	S.J.

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

12 Dedicated Acres E/320	13 Joint or Infill	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 RECEIVED MAR 12 1996 OIL CON. DIV. DIST. 3	5280.00'		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
	20 I-22-IND-2772 5280.00'		
5280.00'	1665'		1790'
5279.34'			

February 12, 1996

OPERATIONS PLAN

Well Name: Ute Mountain Ute #40
Location: 1665' FSL, 1790' FEL, Section 20, T-32-N, R-14-W
San Juan County, NM
Formation: Barker Dome Desert Creek
Elevation: 6135' GR

Formation:	Top	Bottom	Contents
Surface	Pt Lookout	428'	
Mancos	428'	1441'	
8 5/8" surface casing	678'		+ 250' into Mancos
Niobrara	1441'	2103'	
Greenhorn	2103'	2193'	
Graneros	2183'	2229'	
Dakota	2229'	2497'	gas
Morrison	2497'	2996'	fresh water
Junction Creek	2996'	3362'	salt water
Summerville	3362'	3456'	
Todilto	3456'	3468'	
Entrada	3468'	3570'	salt water
Chinle	3570'	5039'	
Cutler	5039'	6628'	
Hermosa	6628'	7751'	
Ismay	7751'	7943'	gas (potentially 100-1580 ppm H ₂ S)
Desert Creek	7943'	8046'	gas (potentially 4-11,900 ppm H ₂ S)
Akah	8046'	8211'	
Upper Barker Creek	8211'		gas (potentially 0-12,000 ppm H ₂ S)
Total Depth	8410'		

Logging Program:

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

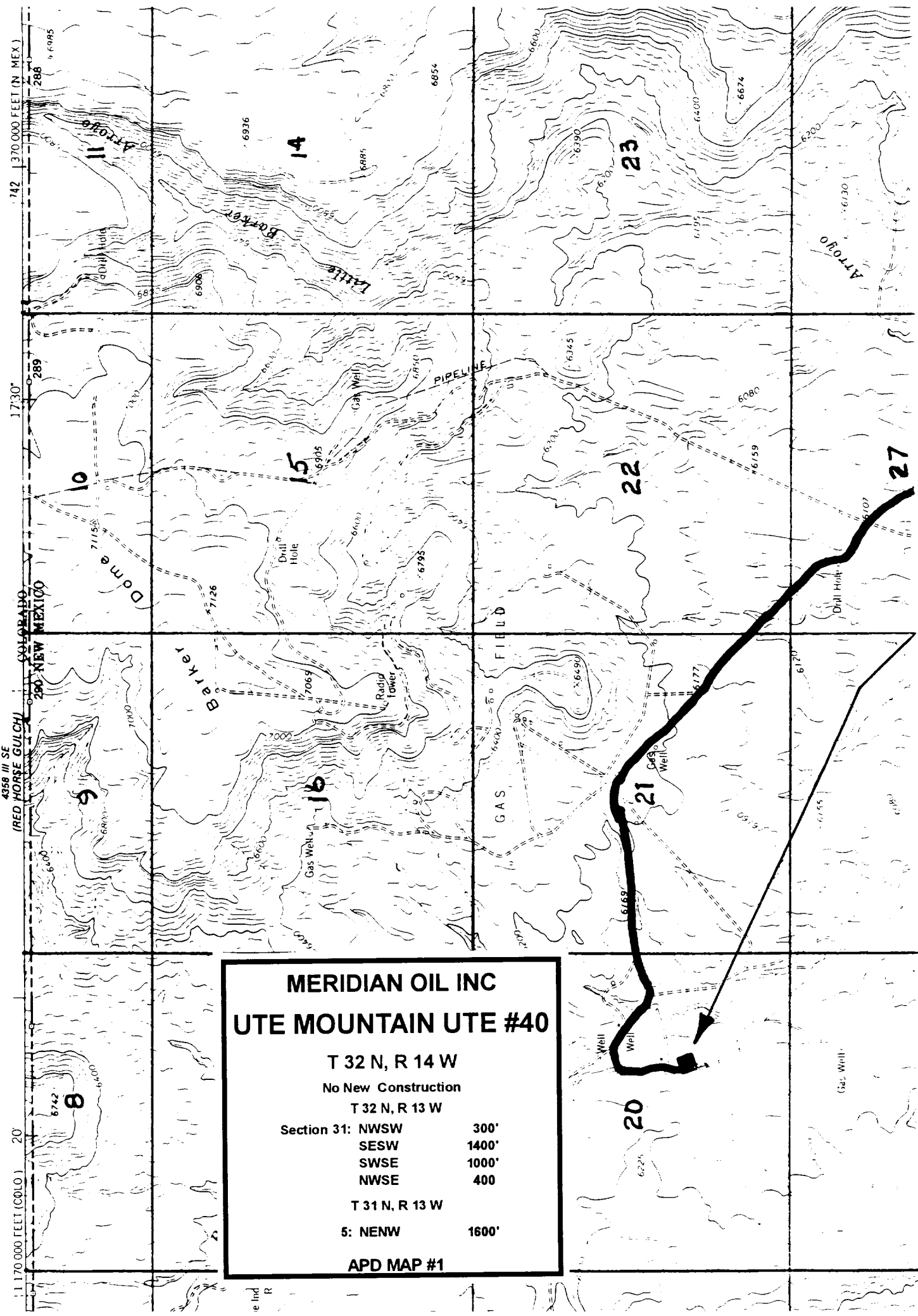
Mud Program:

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' - 678'	8 5/8"	24.0#	K-55 LT&C
7 7/8"	0' - 8410'	5 1/2"	17.0#	L-80 LT&C

Tubing Program: 0' - 8410' 2 7/8" tubing



MERIDIAN OIL INC
UTE MOUNTAIN UTE #40
T 32 N, R 14 W
No New Construction
T 32 N, R 13 W
Section 31: NWSW 300'
SESW 1400'
SWSE 1000'
NWSE 400
T 31 N, R 13 W
5: NENW 1600'
APD MAP #1

1170 000 FEET (C.O.L.) 20' 4358 III SE (RED HORSE GULCH) COLORADO 200 NEW MEXICO 1730' 1742 370 000 FEET (N. MEX.)

ie Ind R

