

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080511 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
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 7094 Harrington 9. Well Number 9
4. Location of Well 1650'FSL, 1840'FEL Latitude 36° 31' 36", Longitude 107° 36' 48"	10. Field, Pool, Wildcat, etc. 82329 Otero Chacra Blanco MV/ 72319 80000 Largo Gallup Basin Dk 71599 11. Sec., Twn, Rge, Mer. (NMPM) J Sec 31, T-27N, R-7W API # 30-039-25503
14. Distance in Miles from Nearest Town 18 miles to Counselors, NM	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1650'	
16. Acres in Lease	17. Acres Assigned to Well 160 E/320 E/320 E/2 and 160 SE/4 320
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 900'	
19. Proposed Depth 6860'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6033'GR	22. Approx. Date Work will Start 2nd quarter 1995
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS TO BE CONDUCTED ARE SUBJECT TO POLYMER USE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by:  Regional Drilling Engineer	Date 4/6/95

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report submitted Arboles Contract Archaeology Technical Report #656 dated 04-29-95

Threatened and Endangered Species Report submitted by Ecosphere Environmental Services dated 10-31-95

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

APR 12 1995

DISTRICT MANAGER

UNMOCD

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 N. 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-10

Revised February 21, 1999

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 30-039-25503		Pool Code 82329/72319 80000/71599		Pool Name Otero Cha/Blanco MV/ Largo Cal/Basin DK	
Property Code 7094		Property Name Harrington			Well Number 9
OGRID No. 14538		Operator Name Meridian Oil Inc.			Elevation 6033'

10 Surface Location

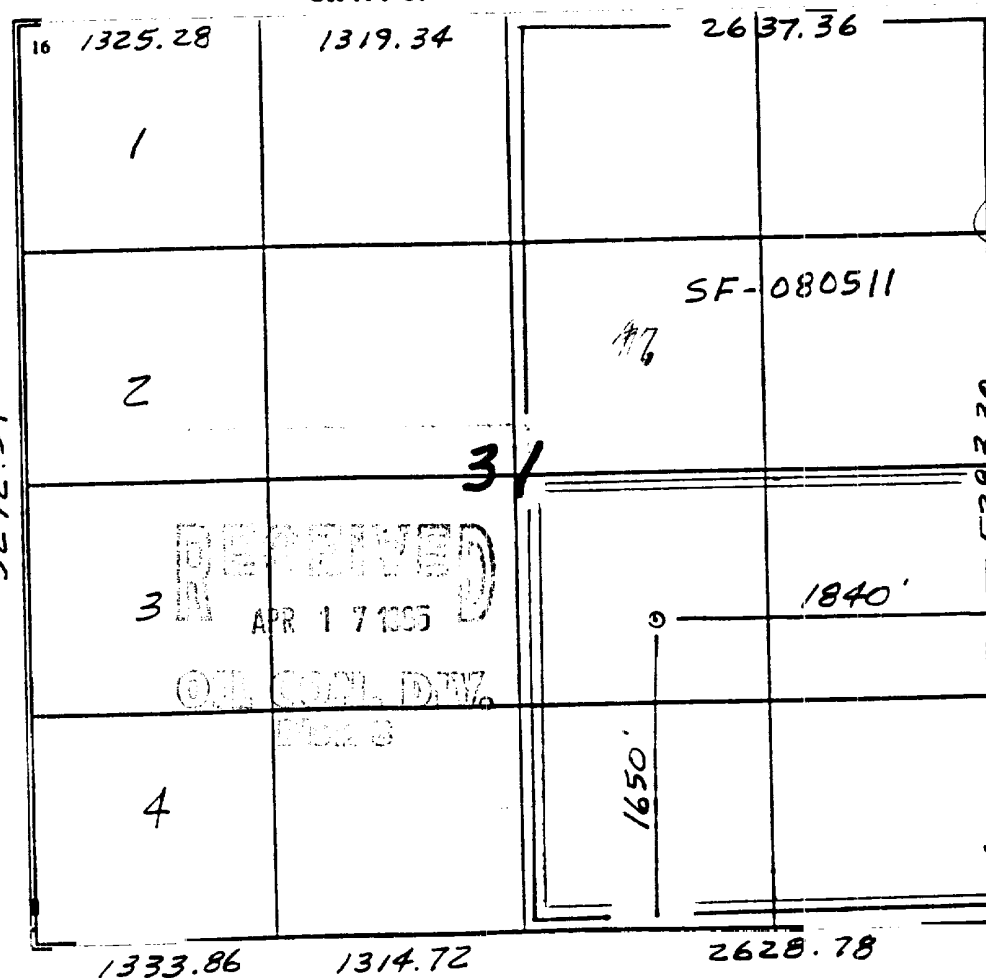
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	27-N	7-W		1650'	SOUTH	1840'	EAST	R.A.

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 1.00-0320 E/320-160	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



17 OPERATOR CERTIFICATION

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

Signature <i>Peggy Bradfield</i>	
Printed Name Peggy Bradfield	
Regulatory Affairs Title A-495	
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 or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey 10-12-94	
Signature and Seal of Professional Surveyor <i>Herbert C. Edwards</i>	
Certificate Number 8857	

OPERATIONS PLAN

Well Name: Harrington #9
Location: 1650'FSL, 1840'FEL Section 31, T-27-N, R-7-W
 Rio Arriba County, New Mexico
 Latitude 36° 31' 36", Longitude 107° 36' 48"
Formation: Otero Chacra/Blanco Mesa Verde/Largo Gallup/Basin Dakota
Elevation: 6033'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1364'	
Ojo Alamo	1364'	1507'	aquifer
Kirtland	1507'	1889'	
Fruitland	1889'	2179'	gas
Pictured Cliffs	2179'	2274'	gas
Lewis	2274'	2668'	
Huerfanito Bentonite	2668'	3090'	
Chacra	3090'	3891'	gas
Mesa Verde	3891'	3932'	salt water
Menefee	3932'	4482'	salt water
Point Lookout	4482'	4824'	gas & oil
Mancos	4824'	5620'	
Gallup	5620'	6426'	gas & oil
Greenhorn	6426'	6485'	gas & oil
Graneros	6485'	6544'	gas
Two Wells	6544'	6593'	
Paguate	6593'	6678'	
Cubero	6678'	6740'	
Encino Canyon	6740'	6765'	
Burro Canyon	6765'	6838'	gas
Morrison	6838'		
Total Depth	6860'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 1800' to TD
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; CDL/CNL/GR; ML

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-6860'	LSND	8.4-9.1	30-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 6860'	5 1/2"	17.0#	K-55

Tubing Program:

0' - 6860'	1 1/2"	2.90#	J-55 EUE 10rd
0' - 5650'	1 1/2"	2.76#	J-55 IJ 10rd

