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OIL CON. DIV.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APR 22 - 8 AM 9:58

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-25385

OTD FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-078884	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name Canyon Largo Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 6886 Canyon Largo Unit 9. Well Number 409	
4. Location of Well 910' FNL, 930' FEL Latitude 36° 24' 17", Longitude 107° 26' 54"	10. Field, Pool, Wildcat 82329 Otero Ch/Basin Dk 71599 11. Sec., Twn, Rge, Mer. A Sec 15, T-25-N, R-6-W NMPM	
14. Distance in Miles from Nearest Town 13 miles to Counselors	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 910'		
16. Acres in Lease	17. Acres Assigned to Well 320 E/2; 160 NE/4	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 150'		
19. Proposed Depth 7280'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6660'	22. Approx. Date Work will Start 2nd quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>ER Bauer for</u> Regional Drilling Engineer		
Date <u>3/29/94</u>		

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report submitted by Arboles Contract Arch. Report #377 dated 11-10-93
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

APR 18 1994

DISTRICT MANAGER

NMCCO

Submit to Asst. Sec.
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102
Revised 1-1-89

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OTO BIRMINGHAM, NM

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

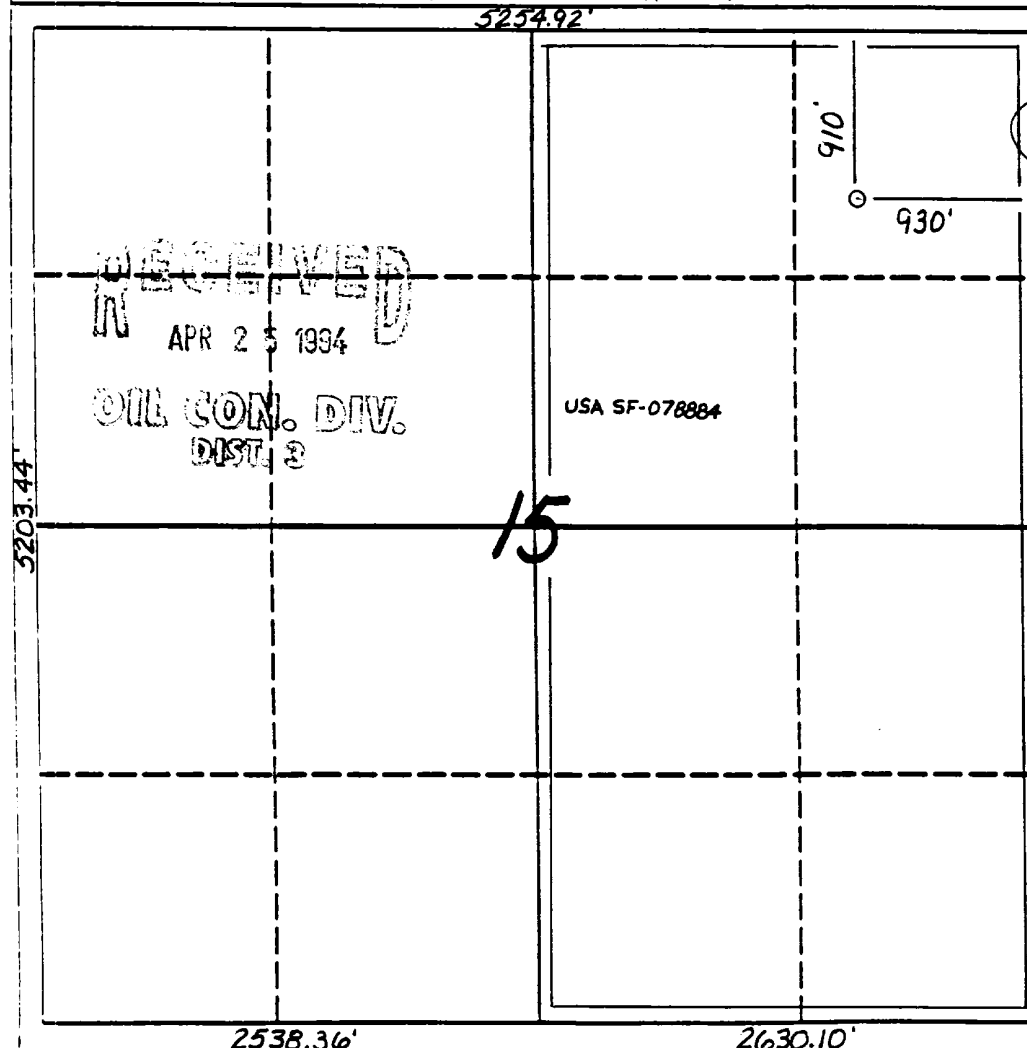
DISTRICT II
P.O. Drawer 00, Arama, NM 88210

DISTRICT III
1000 Rio Grande 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 Canyon Largo Unit		Well No. 409
Unit Letter A	Section 15	Township 25 North	Range 6 West	County Rio Arriba
Actual Footage Location of Well: 910 feet from the North line and 930 feet from the East line				
Ground level Elev. 6660'	Producing Formation Dakota /Chacra	Pool Basin /Otero	Dedicated Acreage: 320 /160 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. 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 unitization If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a acre-standard unit, eliminating such interest, has been approved by the Division.				



OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Representative

Position

Meridian Oil Inc.

Company

3-28-94

Date

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 knowledge and belief. 10-1-93

Date Surveyed

C. Edwards
Name

Signature of State Professional Surveyor

6857

Certificate No.

6857

OPERATIONS PLAN

Well Name: Canyon Largo Unit #409
Location: 910'FNL, 930'FEL Section 15, T-25-N, R-6-W
 Rio Arriba County, New Mexico
 Latitude 36° 24' 17", Longitude 107° 26' 54"
Formation: Otero Chacra/Basin Dakota
Elevation: 6660'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2100'	
Ojo Alamo	2100'	2260'	aquifer
Kirtland	2260'	2510'	
Fruitland	2510'	2695'	gas
Pictured Cliffs	2695'	2740'	gas
Lewis	2740'	3560'	
Chacra	3560'	4330'	gas
Mesa Verde	4330'	4350'	salt water
Menefee	4350'	4780'	salt water
Point Lookout	4780'	5060'	gas & oil
Mancos	5060'	5950'	
Gallup	5950'	6520'	gas & oil
Juana Lopez	6520'	6850'	
Greenhorn	6850'	6900'	gas & oil
Graneros	6900'	6960'	gas
Dakota	6960'	7150'	gas
Burro Canyon	7150'	7220'	gas
Morrison	7220'		
Total Depth	7280'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 2000 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- 200'	Spud	8.4-8.9	40-50	no control
200-7280'	LSND	8.4-9.1	30-60	no control

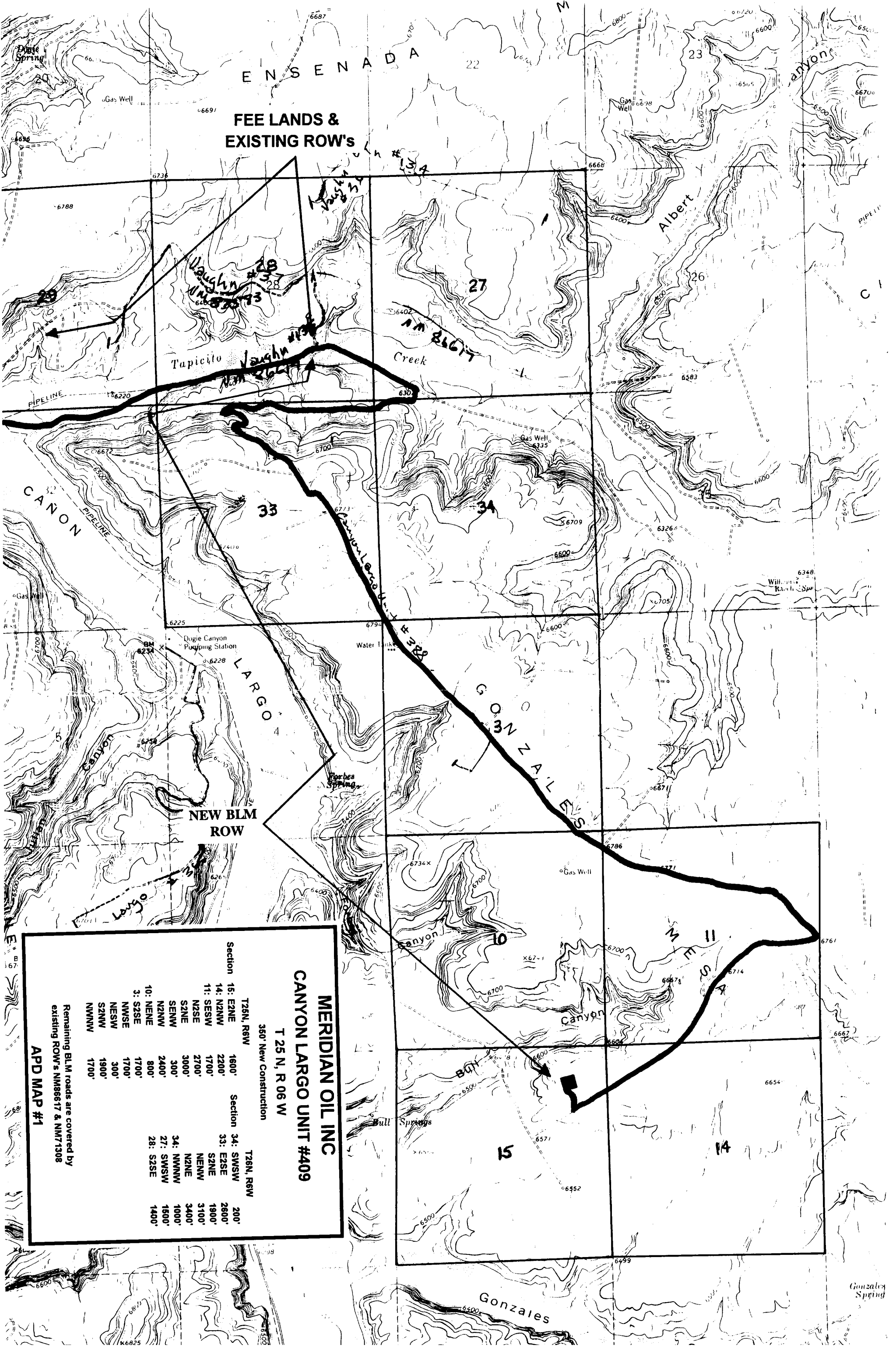
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	8 5/8"	24.0#	K-55
7 7/8"	0' - 7280'	5 1/2"	17.0#	K-55

Tubing Program:

0' - 7250'	1 1/2"	2.76#	J-55 IJ
0' - 3530'	1 1/2"	2.76#	J-55 IJ



**FEE LANDS &
EXISTING ROW's**

**NEW BLM
ROW**

**MERIDIAN OIL INC
CANYON LARGO UNIT #409**

T 25 N, R 06 W

350' New Construction

T26N, R6W		T26N, R6W	
Section		Section	
15: E2NE	1600'	34: SWSW	200'
14: N2NW	2200'	33: E2SE	2600'
11: SE2W	1700'	32NE	1900'
N2SE	2700'	NENW	3100'
S2NE	3000'	N2NE	3400'
SE2W	300'	N2NW	1000'
N2NW	2400'	27: SWSW	1600'
10: NENE	800'	28: S2SE	1400'
3: S2SE	1700'		
NWSE	1700'		
NESW	300'		
S2NW	1900'		
NWNW	1700'		

Remaining BLM roads are covered by
existing ROW's NM8617 & NM71308

APD MAP #1