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APR 25 1994

OIL CON. DIV.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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94 MAR 22 AM 8:32

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078880	
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 431	
4. Location of Well 1475' FNL, 1340' FEL Latitude 36° 24' 11", Longitude 107° 32' 20"	10. Field, Pool, Wildcat 71549 Basin Dakota 11. Sec., Twn, Rge, Mer. G Sec 14, T-25-N, R-7-W NMPM	
14. Distance in Miles from Nearest Town 16 miles to Counselors	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1340'		
16. Acres in Lease	17. Acres Assigned to Well 320 E/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 300'		
19. Proposed Depth 6960'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6445'	22. Approx. Date Work will Start 2nd quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED AND SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by: <u>[Signature]</u> Regional Drilling Engineer	Date <u>3/10/94</u>	

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

AMOCO

Archaeological Report submitted by Arboles Contract Arch. Tech Rep #375 dated 12-18-93
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 20 1994

DISTRICT MANAGER

Schedule to Acquire
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

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

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

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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070 FARMINGTON, NM

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. 431
Unit Letter G	Section 14	Township 25 North	Range 7 West	County Rio Arriba
Actual Footage Location of Well: 1475 feet from the North line and 1340 feet from the East line				
Ground level Elev. 6445'	Producing Formation Dakota	Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink 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 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 non-standard unit, eliminating such interest, has been approved by the Division.

5194.20

RECEIVED IN APR 25 1994 OIL CONSERVATION DIVISION		1475'	
USA SF-078880		1340'	
14		5223.24	
5207.40		5188.92	

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
3-8-94

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
Needle C. Edwards

Signature of State
Professional Surveyor

9857

6857

March 10, 1994

OPERATIONS PLAN

Well Name: Canyon Largo Unit #431
Location: 1475'FNL, 1340'FEL Section 14, T-25-N, R-7-W
 Rio Arriba County, New Mexico
 Latitude 36° 24' 11", Longitude 107° 32' 20"
Formation: Basin Dakota
Elevation: 6445'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1610'	
Ojo Alamo	1610'	1740'	aquifer
Kirtland	1740'	2240'	
Fruitland	2240'	2350'	gas
Pictured Cliffs	2350'	2410'	gas
Lewis	2410'	3140'	
Chacra	3140'	3840'	salt water
Cliff House	3840'	3930'	salt water
Menefee	3930'	4560'	
Point Lookout	4560'	4780'	
Mancos	4780'	5650'	
Gallup	5650'	6190'	gas & oil
Juana Lopez	6190'	6500'	
Greenhorn	6500'	6570'	gas & oil
Graneros	6570'	6605'	
Dakota	6605'	6825'	gas & oil
Burro Canyon	6825'	6910'	
Morrison	6910'		salt water
Total Depth	6960'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 1600'-TD.
 Coring - none
 DST - none
 Electric logs - IEL/SP/GR; Density/Neut/GR; Microlog-GR; Numar;
 Dig.Sonic

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
200-6960'	LSND	8.4-9.1	30-60	no control

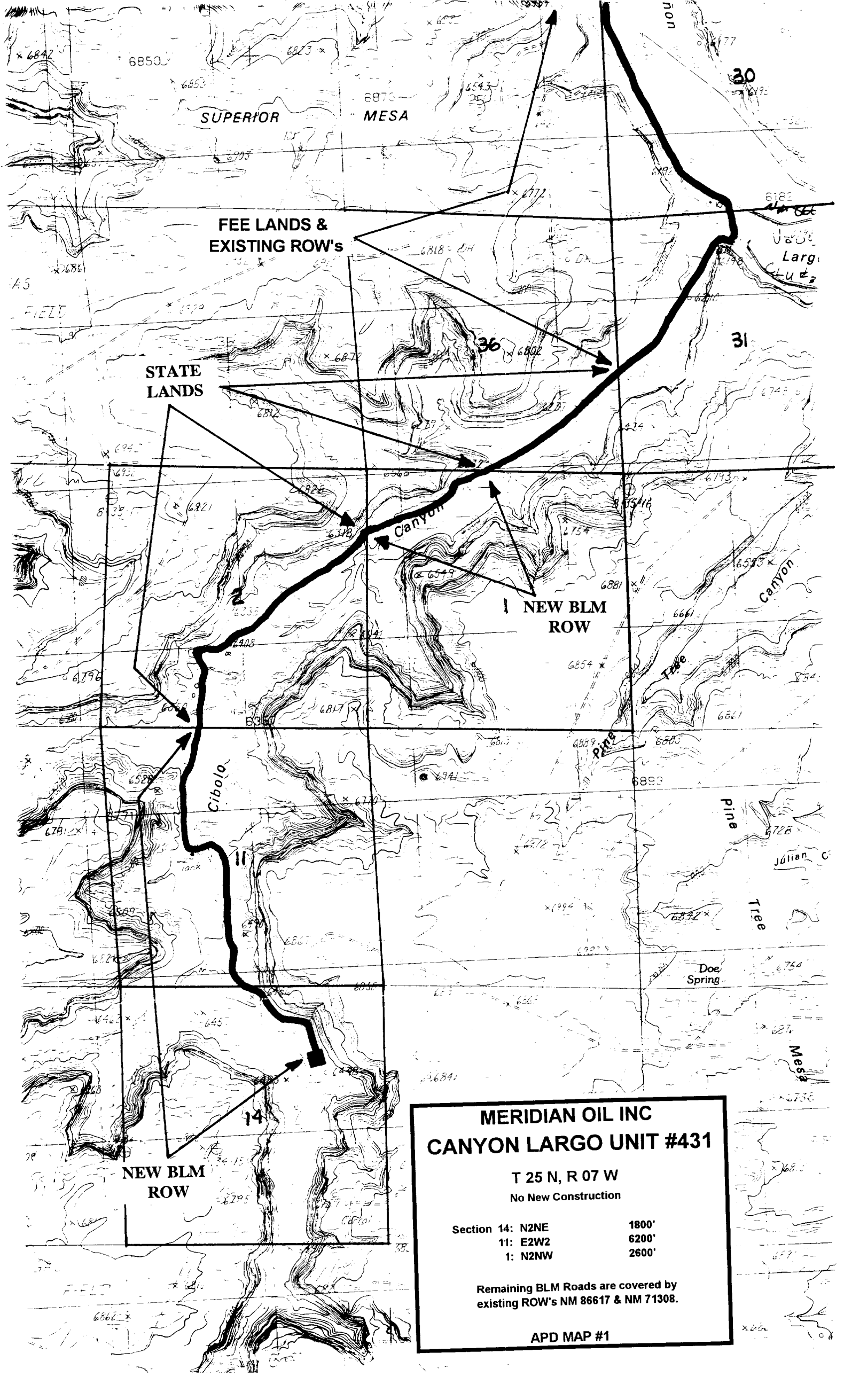
Pit levels will be visually monitored to detect gain or loss of fluid control.

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' - 6960'	5 1/2"	17.0#	K-55

Tubing Program:

0' - 6960' 2 3/8" 4.7# J-55 EUE



MERIDIAN OIL INC
CANYON LARGO UNIT #431

T 25 N, R 07 W
No New Construction

Section 14:	N2NE	1800'
11:	E2W2	6200'
1:	N2NW	2600'

Remaining BLM Roads are covered by
existing ROW's NM 86617 & NM 71308.