

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 27 1995

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

OIL CON. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-078880 Unit Reporting Number NMSF078880
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 428
4. Location of Well 1475' FNL, 1475' FEL Latitude 36° 24' 08", Longitude 107° 31' 19"	10. Field, Pool, Wildcat 17610 Devils Fork Gallup EXT ✓ 71599 Basin Dakota ✓ 11. Sec., Twn, Rge, Mer. (NMPM) G Sec 13, T-25-N, R-7-W ✓ API # 30-039-25485
14. Distance in Miles from Nearest Town	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1475'	
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 2500'	
19. Proposed Depth 7410'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6895' GR	22. Approx. Date Work will Start 2nd quarter 1995
23. Proposed Casing and Cementing Program See Operations Plan attached This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regional Drilling Engineer	Date <u>1/10/95</u>

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report submitted by Arboles Contract Archaeology Technical Report #663 dated 11-25-94
Threatened and Endangered Species Report submitted by Ecosphere dated 10-25-94
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED
AS AMENDED

FEB 23 1995

DISTRICT MANAGER

Hold c-104 For Gallup NSL
NMCO

District I
PO Box 1980, Hobbs, NM 88241-1980
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 30-039-25485		Pool Code 17610/71599	Pool Name Devils Fork Gallup ^{EAT} / Basin Dakota
Property Code 6886	Property Name Canyon Largo Unit		Well Number 428
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 6895'

¹⁰ Surface Location

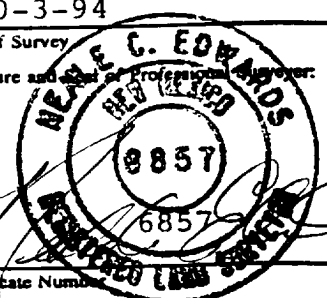
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	25 N	7 W		1475	North	1475	East	R.A.

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 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	5176.38	1475'	1475'	13	SF-078880	5196.84	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Peggy Bradfield</u> Printed Name <u>Peggy Bradfield</u> Title <u>Regulatory Affairs</u> Date <u>1-9-95</u>	
	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. Date of Survey <u>10-3-94</u> Signature and Seal of Professional Surveyor:  Certificate Number <u>6857</u>							

OPERATIONS PLAN

Well Name: Canyon Largo Unit #428
Location: 1475'FNL, 1475'FEL Section 13, T-25-N, R-7-W
 Rio Arriba County, New Mexico
 Latitude 36° 24' 08", Longitude 107° 31' 19"
Formation: Devils Fork Gallup/Basin Dakota
Elevation: 6895'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2070'	
Ojo Alamo	2070'	2200'	aquifer
Kirtland	2200'	2620'	
Fruitland	2620'	2820'	gas
Pictured Cliffs	2820'	2900'	gas
Lewis	2900'	3620'	
Chacra	3620'	4310'	
Massive Cliff House	4310'	4375'	
Menefee	4375'	5040'	
Massive Pt. Lookout	5040'	5300'	gas
Mancos	5300'	6120'	
Gallup	6120'	6990'	gas & oil
Greenhorn	6990'	7040'	gas & oil
Graneros	7040'	7070'	
Dakota	7070'	7300'	gas
Burro Canyon/Encinal	7300'	7400'	gas
Morrison	7400'		salt water
Total Depth	7410'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 6075' to TD.
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; Density/Neut/GR; Microlog-GR;

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
320-7410'	LSND	8.4-9.1	30-60	no control

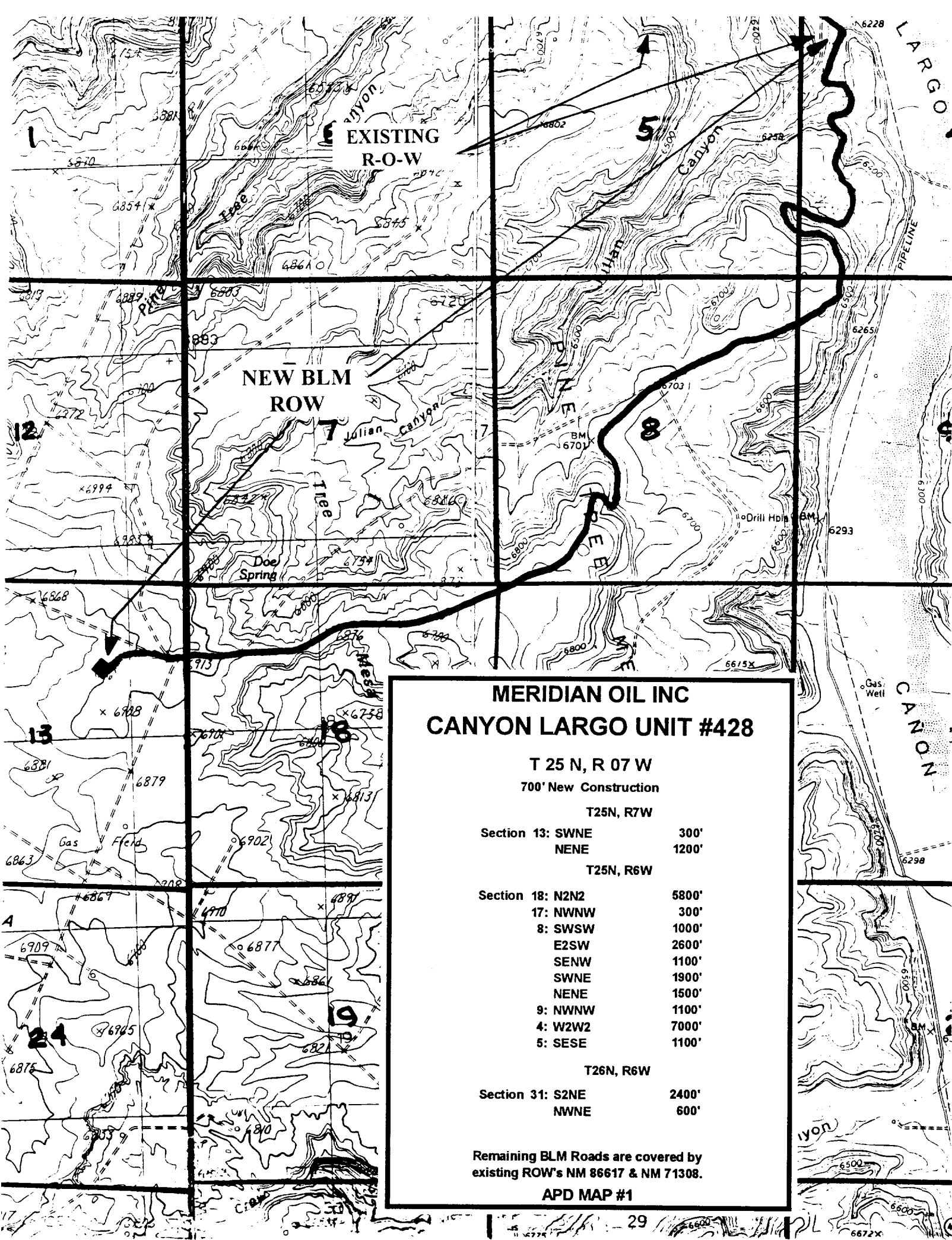
Pit levels will be visually monitored to detect gain or loss of fluid control.

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' - 7410'	5 1/2"	17.0#	K-55

Tubing Program:

0' - 7410'	1 1/2"	2.9#	N-80 EUE
0' - 5940'	1 1/2"	2.76#	J-55 IJ



**MERIDIAN OIL INC
CANYON LARGO UNIT #428**

T 25 N, R 07 W

700' New Construction

T25N, R7W

Section 13: SWNE	300'
NENE	1200'

T25N, R6W

Section 18: N2N2	5800'
17: NWNW	300'
8: SWSW	1000'
E2SW	2600'
SENE	1100'
SWNE	1900'
NENE	1500'
9: NWNW	1100'
4: W2W2	7000'
5: SESE	1100'

T26N, R6W

Section 31: S2NE	2400'
NWNE	600'

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

APD MAP #1