

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 Jicarilla Cont 117 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Jicarilla Apache
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 150	17 E
4. Location 790' ES Latitude	c. Cliffs/ Verde (NMPM) V, R-3-W 69
14. Distance i 15 mile	3. State NM
15. Distance fr 790'	
16. Acres in Le	
18. Distance fr 2700'	100/320 SE/4; E/2
19. Proposed Depth 6400'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7356' 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> Regional Drilling Engineer	Date <u>1/5/96</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY S. Patricia M. Hester Acting AREA MANAGER DATE MAR 29 1996
TITLE RIO PUERTO RESOURCE AREA

Archaeological Report submitted by Jicarilla Apache Archaeological Services Report CR-92-355 dated 5-18-90
Threatened and Endangered Species Report submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

2

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 APT Number 30-039-25569		1 Pool Code 85920/72319		1 Pool Name Tapacito Pictured Cliffs/Blanco Mesaverde	
1 Property Code 7171		1 Property Name Jicarilla 117 E			1 Well Number 7A
1 OGRID No. 14538		1 Operator Name MERIDIAN OIL INC.			1 Elevation 7356'

10 Surface Location


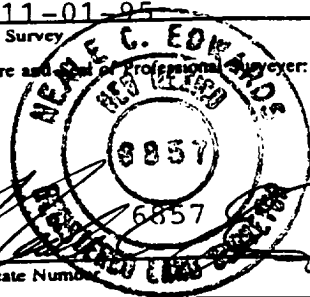
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
0	28	26 N	3 W		790	South	1850	East	R.A.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160-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

<div>16</div> <div>5280.00</div> <div>RECEIVED APR - 3 1996 OIL CON. DIV. DIST. 3</div> <div>28</div> <div>790'</div> <div>1850'</div> <div>5280.00</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div> Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date 1-4-96</div>
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <div>11-01-95 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number</div>

OPERATIONS PLAN

Well Name: Jicarilla 117 E #2A
Location: T90' FSL, 1950' FEL Section 28, T-26-N, R-3-W
 Rio Arriba County, New Mexico
 Latitude: 36° 27.1, Longitude 107° 08.8
Formation: Tapacitos Pictured Cliffs/Blanco Mesa Verde
Elevation: 7386'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3670'	
Ojo Alamo	3670'	3720'	aquifer
Kirtland	3720'	3800'	
Fruitland	3800'	3980'	gas
Fruitland Coal	3980'	3977'	gas
Pictured Cliffs	3980'	4020'	gas
Lewis	4020'	4925'	
Intermediate TD	4180'		
Chacra	4925'	5645'	gas
Upper Cliff House	5645'	5765'	gas
Menefee	5765'	6125'	gas
Point Lookout	6125'		gas
Total Depth	6400'		

Logging Program:

Openhole Wireline Logging -
 Surface to Intermediate : DIL-GR, FDC-CNL & ML
 Intermediate TD to Total Depth : DIL-GR, FDC-CNL & Temp
 Mud Logs/Coring/DST -
 Mud logs - 3600' to Total Depth
 Coring - none
 DST - none

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
200-4180'	LSND	8.4-9.1	30-60	no control
4180-6400'	Gas/Mist	n/a	n/a	n/a

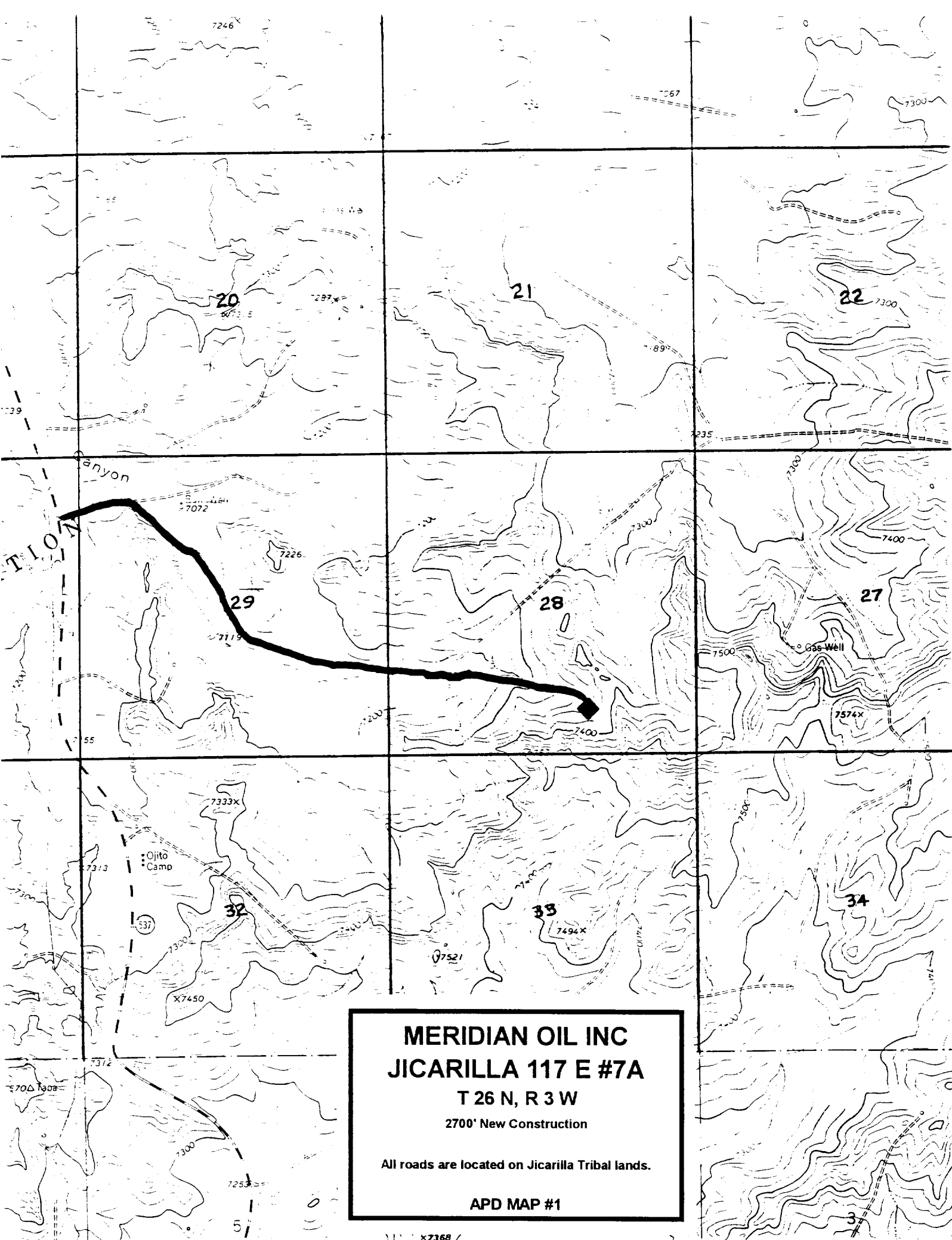
Pit levels will be visually monitored to detect gain or loss of fluid control.

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'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4180'	7"	20.0#	K-55
6 1/4"	4030' - 6400'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6400' 2 3/8" 4.7# J-55 EUE



**MERIDIAN OIL INC
JICARILLA 117 E #7A**

T 26 N, R 3 W

2700' New Construction

All roads are located on Jicarilla Tribal lands.

APD MAP #1