

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 NM-0607 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL <i>11538</i>	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87401 (505) 326-9700	8. Farm or Lease Name Sunray H Com 9. Well Number 6
4. Location of Well 820' FNL, 1060' FEL Latitude 36° 49' 53", Longitude 107° 50' 47"	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec 11, T-30-N, R-1-W API # 30-045- <i>2012</i> <i>10</i>
14. Distance in Miles from Nearest Town 7 miles to Aztec, NM	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 820'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well 314.74 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70'	
19. Proposed Depth 8020'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6538' GR	22. Approx. Date Work will Start 2nd quarter 1995
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTE: THIS APPLICATION AND ALL ATTACHED DOCUMENTS ARE SUBJECT TO THE BLM'S APPLICABLE REGULATIONS AND POLICIES.
24. Authorized by: <u><i>J. Caldwell</i></u> Regional Drilling Engineer	<u><i>2/14/95</i></u> Date

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

Archaeological Report submitted by Arboles Contract Archaeology dated 12-23-94 Technical Report
Threatened and Endangered Species Report submitted Ecosphere Environmental dated 10-16-94

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

EX
3

W/000

**APPROVED
AS AMENDED**
J. Caldwell
FEB 17 1995
DISTRICT MANAGER

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 <i>30-445-24042</i>		Pool Code 71599	Pool Name Basin Dakota
Property Code 7571	Property Name Sunray H Com		Well Number 6
OGRID No. 14538	Operator Name Meridian Oil Inc.		Elevation 6538'

¹⁰ Surface Location

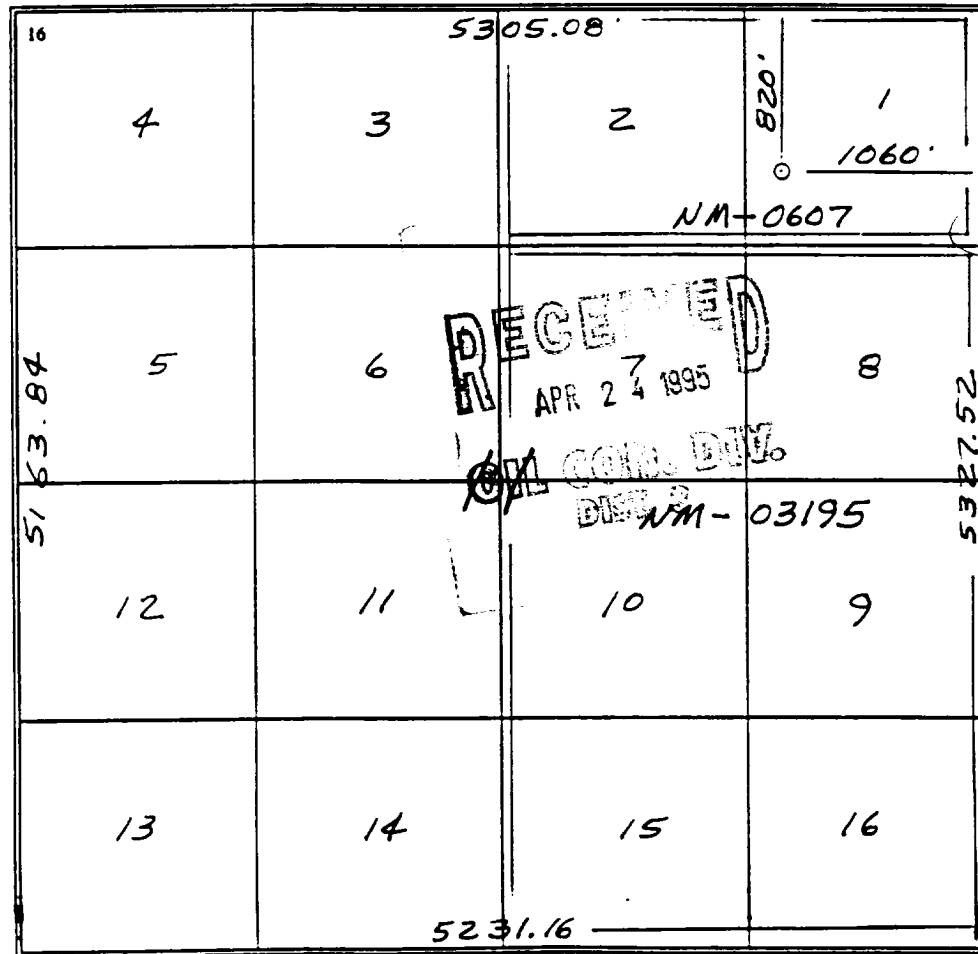
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	30N	10W		820	North	1060	East	S.J.

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 <i>F/314.74</i>	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

Peggy Bradford
 Signature
 Peggy Bradford
 Printed Name
 Regulatory Affairs
 Title
2-5-95
 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 me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

9-29-94
 Date of Survey
 Signature and Seal of Professional Surveyor:

 6857
 Certificate Number

OPERATIONS PLAN

Well Name: Sunray H Com #6
Location: 820'FNL, 1060'FEL Section 11, T-30-N, R-11-W
 San Juan County, NM
 Latitude 36° 49' 53", Longitude 107° 50' 48"
Formation: Basin Dakota
Elevation: 6538'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1955'	
Ojo Alamo	1955'	2009'	aquifer
Kirtland	2009'	2833'	
Fruitland	2833'	3214'	gas
Pictured Cliffs	3214'	3416'	gas
Lewis	3416'	3942'	
Intermediate TD	3566'		
Huerfano Bentonite	3942'	4003'	gas
Navajo City	4003'	4254'	gas
Otero	4254'	4733'	gas
Mesa Verde	4733'	4850'	gas
Massive Cliff House	4850'	5040'	gas
Menefee	5040'	5693'	gas
Point Lookout	5693'	5820'	gas
Mancos	5820'	7461'	
Intermediate TD	6070'		
Greenhorn	7461'	7521'	
Graneros	7521'	7661'	
Dakota	7661'	7860'	gas
Burro Canyon	7860'	7950'	gas & hydrocarbons
Morrison	7950'		hydrocarbons
Total Depth	8020'		

Logging Program:

Openhole Wireline Logging -
 DIL/LDT/CNL/Temp/NGT/GR/CAL/FMS

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
200-3566'	LSND	8.4-9.1	30-60	no control
3566-6070'	Gas	n/a	n/a	n/a
6070-8060'	LSND	8.7-9.0	40-50	10-15 cc/30 min

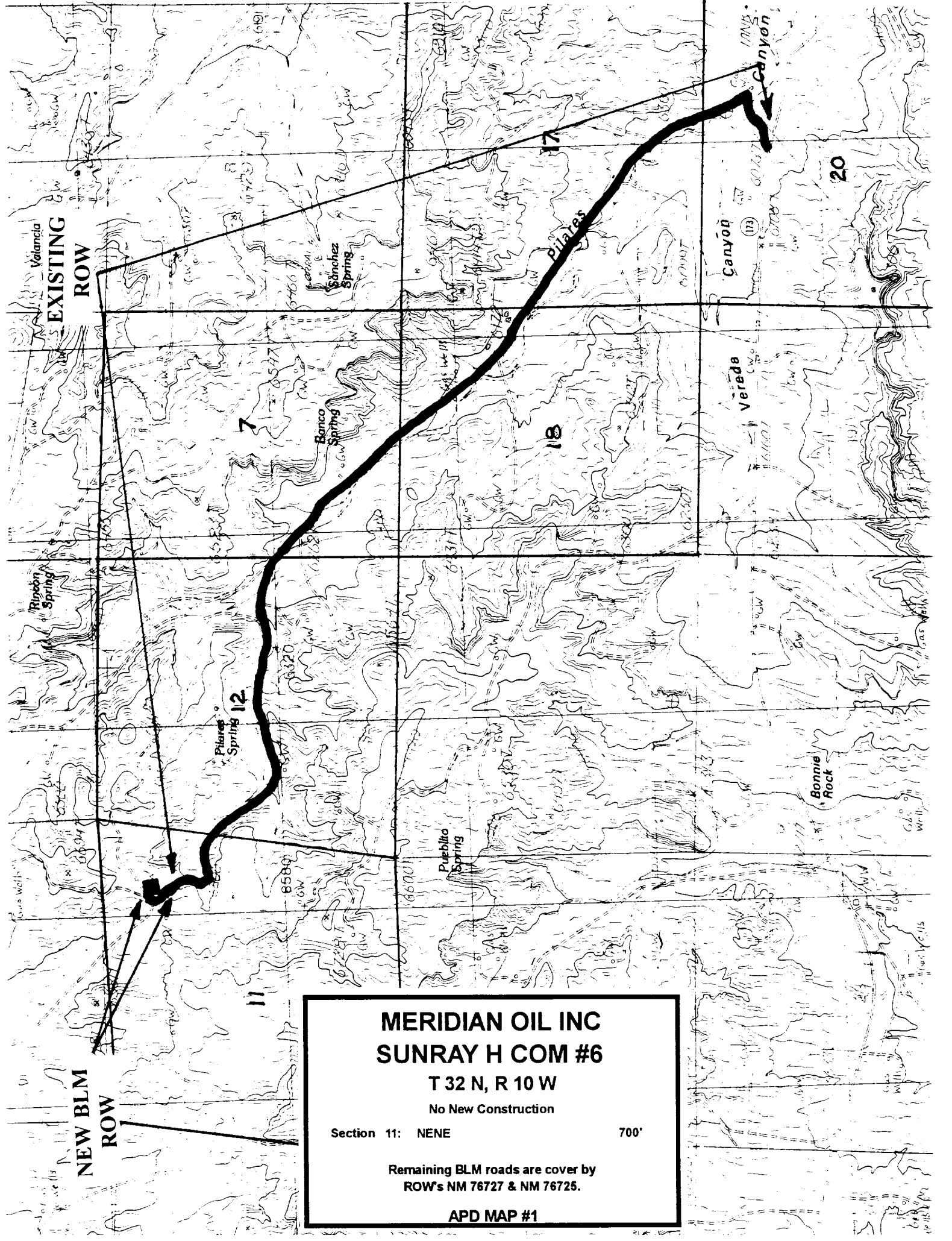
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
14 3/4"	0' - 200'	13 3/8"	48.0#	H-40
12 1/4"	200' - 3566'	9 5/8"	36.0#	K-55
8 3/4"	3416' - 6070'	7"	23.0#	K-55
6 1/4"	5920' - 8020'	4 1/2"	10.55#	K-55

Tubing Program:

0' - 8020' 2 3/8" tubing



EXISTING ROW

NEW BLM ROW

**MERIDIAN OIL INC
SUNRAY H COM #6**

T 32 N, R 10 W

No New Construction

Section 11: NENE

700'

**Remaining BLM roads are cover by
ROW's NM 76727 & NM 76725.**

APD MAP #1