

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL 070 FARMINGTON, NM	5. Lease Number NM-04206 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name Allison Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 6785 Allison Unit Com 9. Well Number 146
4. Location of Well 1000' FNL, 1265' FWL Latitude 36° 58.2, Longitude 107° 32.4	10. Field, Pool, Wildcat 71629 Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) D Sec 23, T-32-N, R-7-W API # 30-045-29389
14. Distance in Miles from Nearest Town 4 miles to Allison	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1000'	
16. Acres in Lease	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 200'	
19. Proposed Depth 3523' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6816' GR	22. Approx. Date Work will Start July 1996
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	5-28-96 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

OIL CON. DIV.

Archaeological Report submitted by Arboles Contract Archaeology Technical Report #883 dated 4-25-96  
Threatened and Endangered Species Report to be submitted

APPROVED  
AS AMENDED

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

JUN 27 1996  
[Signature]  
DISTRICT MANAGER

NMOCD

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  
Revised February 21, 1996  
Instructions on  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

070 HARRINGTON, NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29389 <del>30-039-</del>		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 6785	Property Name Allison Unit Com		Well Number 146
OGRID No. 14538	Operator Name Meridian Oil Inc.		Elevation 6816'

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
D	23	32 N	7 W		1000	North	1265	West	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

Dedicated Acres W/320	Joint or Infill	Consolidation Code	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

<p>5279.34'</p> <p>1265'</p> <p>5189.58'</p> <p>5351.94'</p> <p>51620'</p> <p>23</p> <p>NMNM-04206</p> <p>NMSF-078472</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 5-28-96 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <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> <p>4-17-96 Date of Survey Signature and Title of Professional Surveyor: <i>HERNAN C. EDWARDS</i> 8857 6857 Certificate Number</p>

RECEIVED JUN 28 1996 OIL CON. DIV. DIST. 3

OPERATIONS PLAN

**Well Name:** Allison Unit Com #146  
**Location:** 1000' FNL, 1265' FWL Section 23, T-32-N, R-7-W  
 Latitude 36° 58.2, Longitude 107° 32.4  
 San Juan County, NM  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6813' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2563'	
Ojo Alamo	2563'	2690'	aquifer
Kirtland	2690'	3191'	
Fruitland	3191'	3418'	gas
Fruitland Coal	3418'	3598'	gas
Pictured Cliffs	3598'		
Total Depth	3523'		

**Logging Program:** Mud logs from 3378' to Total Depth.

**Coring Program:** none

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-3228'	Non-dispersed	8.4-9.0	30-60	no control
3228-3523'	Air Mis			

**Casing Program:**

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3378'	7"	20.0#	K-55
6 1/4"	3228' - 3523'	5 1/2"	15.5#	K-55

**Tubing Program:**

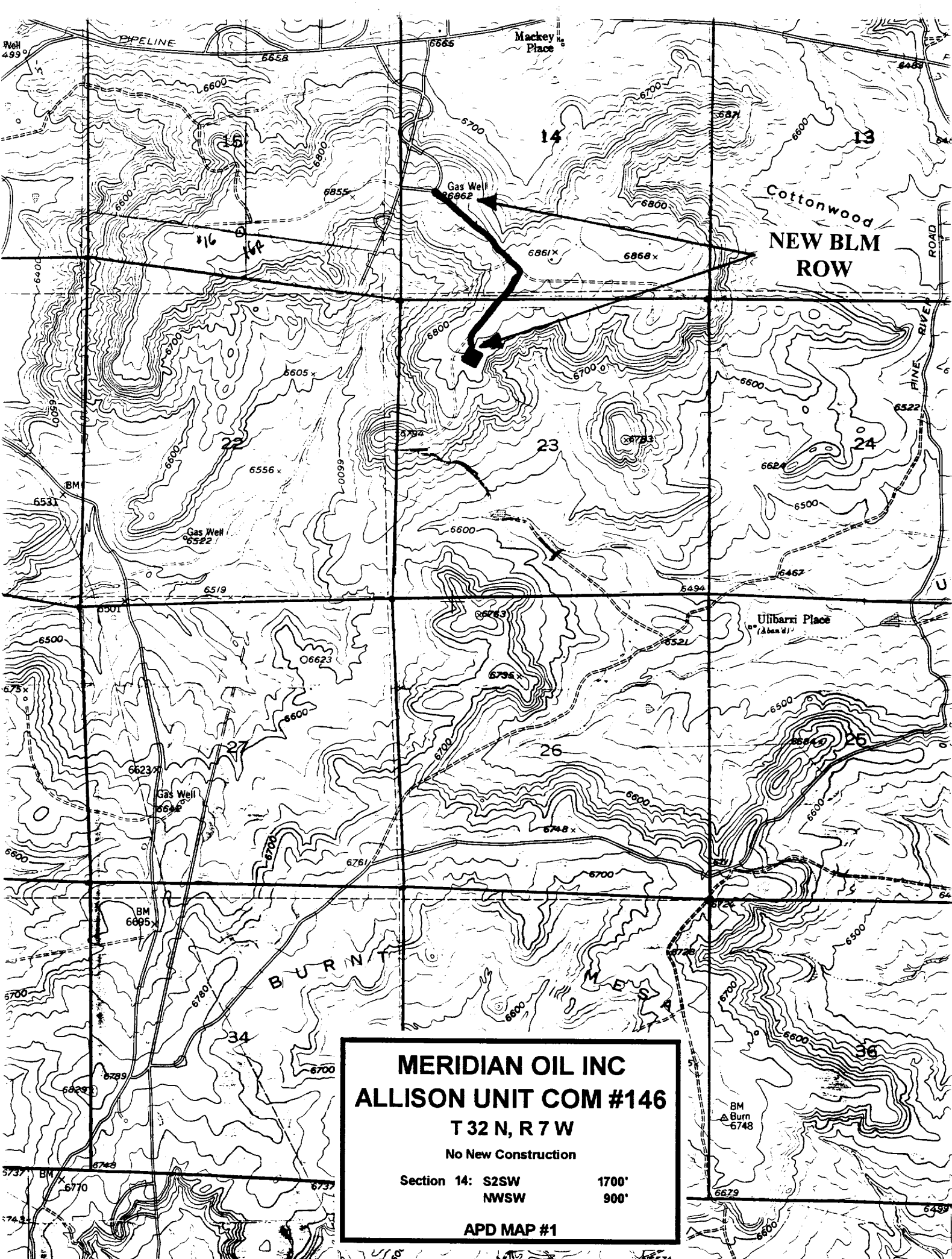
0' - 3523'	2 3/8"	4.7#	J-55
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**Float Equipment:** 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2690'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

**Wellhead Equipment:** 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.



**MERIDIAN OIL INC**  
**ALLISON UNIT COM #146**  
**T 32 N, R 7 W**  
**No New Construction**  
**Section 14: S2SW      1700'**  
**NWSW      900'**  
**APD MAP #1**