

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-04240 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7218 Kelly 9. Well Number 4E ✓
4. Location of Well 1605' FNL, 1090' FEL Latitude 36° 46.3, Longitude 107° 50.9	10. Field, Pool, Wildcat 71599 Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) H Sec 35, T-30-N, R-10-W AP # 30-045-29326 ✓
14. Distance in Miles from Nearest Town 3 miles to Blanco	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1090'	
16. Acres in Lease	17. Acres Assigned to Well 317.32 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 120'	
19. Proposed Depth 7300'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6043'	22. Approx. Date Work will Start 1st quarter 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:  Regional Drilling Engineer	12/1/95 Date

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

Archaeological Report to be submitted
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

DEC 06 1995

DISTRICT MANAGER

NMOC

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

1 API Number 30-045-29326		2 Pool Code 71599		3 Pool Name Basin Dakota	
4 Property Code 7218		5 Property Name Kelly			6 Well Number 4E
7 OGRID No. 14538		8 Operator Name MERIDIAN OIL INC.			9 Elevation 6043'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	35	30 N	10 W	X	1605	North	1090	East	S.J.

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres E/317/30	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				5221.52'				17 OPERATOR CERTIFICATION			
4				3				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
2				1				Signature <i>Peggy Bradfield</i>			
7				8				Printed Name Peggy Bradfield			
12				11				Regulatory Administrator Title 11-2-95			
10				9				Date 11-2-95			
13				14				18 SURVEYOR CERTIFICATION			
15				16				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.			
5245.68'				5283.96'				Date of Survey 10-12-95			
								Signature and Seal of Professional Surveyor <i>NEALE C. EDWARDS</i>			
								Certificate Number 8857			

OPERATIONS PLAN

Well Name: Kelly #4E
Location: 1605' FNL, 1090' FEL Section 35, T-30-N, R-10-W
 San Juan County, NM
 Latitude 36° 46.3, Longitude 107° 50.9
Formation: Basin Dakota
Elevation: 6043' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1306'	
Ojo Alamo	1306'	1451'	aquifer
Kirtland	1451'	2011'	
Fruitland	2011'	2566'	gas
Pictured Cliffs	2566'	2731'	gas
Lewis	2731'	3316'	
Intermediate TD	2931'		
Huerfano Bentonite	3316'	3341'	gas
Navajo City	3341'	3566'	gas
Otero	3566'	4421'	gas
Massive Cliff House	4421'	4336'	gas
Menefee	4336'	4836'	gas
Point Lookout	4836'	5226'	gas & hydrocarbons
Mancos	5226'	6086'	gas
Intermediate TD	5426'		
Gallup	6086'	6826'	gas
Greenhorn	6826'	6876'	
Graneros	6876'	7016'	
Dakota	7016'	7216'	gas
Morrison	7216'		hydrocarbons
Total Depth	7300'		

Logging Program:

Openhole Wireline Logging -
 DIL/LDT/CNL/Temp/NGT/GR/CAL/FMS
 Mud logs from 2931' to TD

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
200-2931'	LSND	8.4-9.1	30-60	no control
2931-5426'	Gas	n/a	n/a	n/a
5426-7300'	Gas/LSND	8.7-9.0	40-50	10-15 cc/30 min

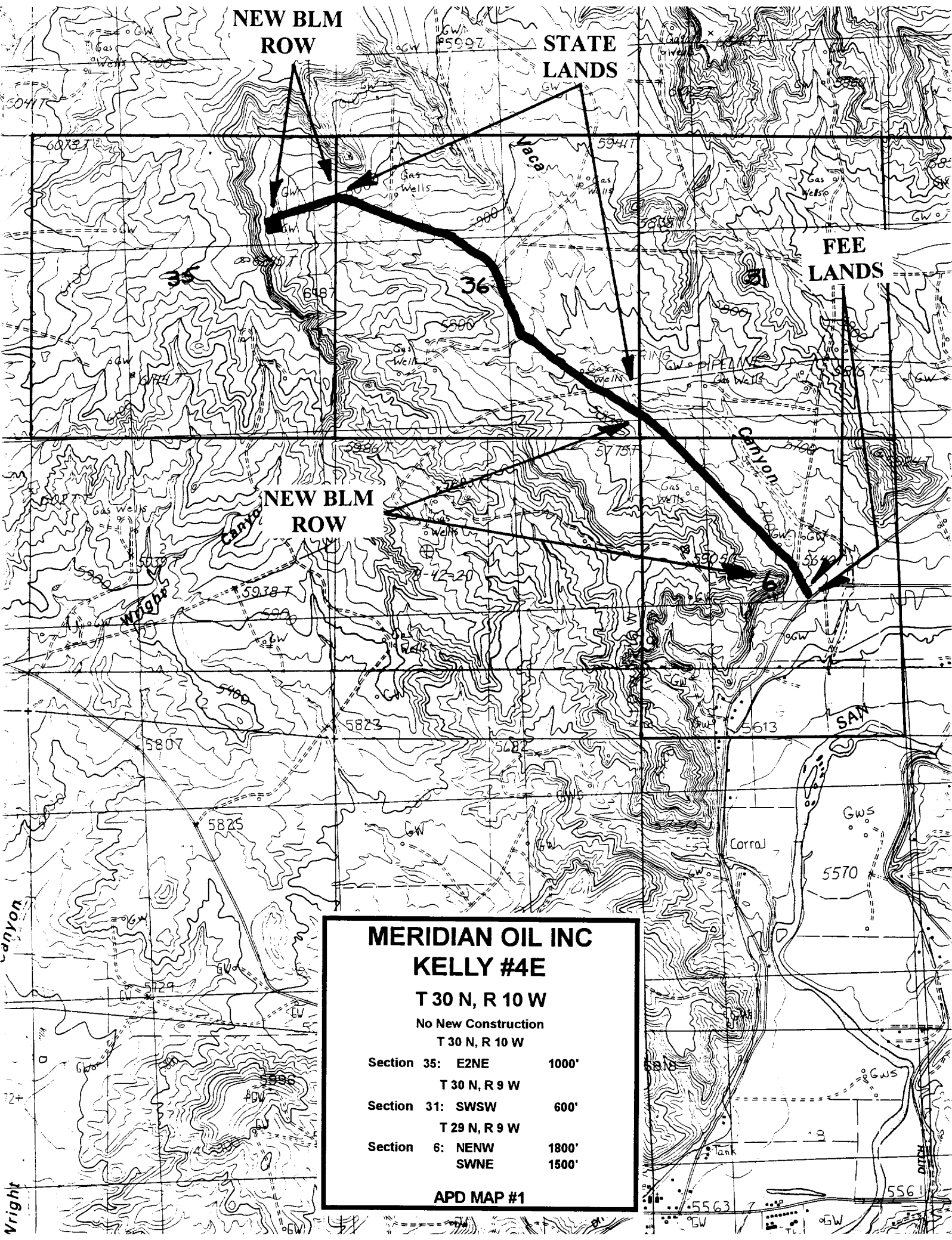
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
17 1/2"	0' - 200'	13 3/8"	48.0#	H-40
12 1/4"	200' - 2931'	9 5/8"	36.0#	K-55
8 3/4"	2781' - 5426'	7"	23.0#	K-55
6 1/4"	5276' - 7300'	4 1/2"	11.6#	N-80

Tubing Program:

0' - 7300' 2 3/8" tubing



MERIDIAN OIL INC
KELLY #4E
T 30 N, R 10 W
No New Construction
T 30 N, R 10 W

Section 35:	E2NE	1000'
T 30 N, R 9 W		
Section 31:	SWSW	600'
T 29 N, R 9 W		
Section 6:	NENW	1800'
	SWNE	1500'

APD MAP #1