

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 10 PM 3:42

1a. Type of Work DRILL	5. Lease Number NM-08367 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <i>Burlington</i> <i>Meridian Oil Int. Res. & Serv. Co.</i> <i>014538</i>	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name <i>18532</i> Grenier B 9. Well Number <i>4E</i>	
4. Location of Well 1110' FNL, 1675' FWL Latitude 36° 45.5, Longitude 107° 53.6	10. Field, Pool, Wildcat <i>71599</i> Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) <i>C</i> Sec 4, T-29-N, R-10-W API # 30-045-2946	
14. Distance in Miles from Nearest Town 5 miles to Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1110'		
16. Acres in Lease	17. Acres Assigned to Well 293.29 N/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 400'		
19. Proposed Depth 7050'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5951' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	Date <i>8-22-96</i>	

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

Archaeological Report to be submitted by Arboles Contract Archaeology
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

SEP 30 1996

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

RECEIVED
OCT. - 3 1996
OIL CON. DIV.
DIST. 3

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 30-045-29406		Pool Code 71599	Pool Name Basin Dakota
Property Code 18532	Property Name Grenier B		Well Number 4E
OGRID No. 14538	Operator Name MERIDIAN OIL INC. <i>Durlington Res O+G Co</i>		Elevation 5951'

Surface Location

UL or lot no. C	Section 4	Township 29 N	Range 10 W	Lot Ida	Feet from the 1110	North/South line North	Feet from the 1675	East/West line West	County S.J.
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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
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Dedicated Acres N/293.29	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

16 1225.62' 8 1675' 1213.08' 9 2426.82' 17				5173.08' 110' 7 NMNM-03561 10 4 15 18	6 11 14 19	5 12 13 20 5227.20'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Peggy Bradford</i> Signature Peggy Bradford Printed Name Regulatory Administrator Title 8-16-96 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 belief. 7-9-96 Date of Survey Signature and Seal of Professional Surveyor <i>HEALEE C. EDWARDS</i> 8857 6857 Certificate Number
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OPERATIONS PLAN

Well Name: Grenier B #4R
Location: 1110' FNL, 1675' FWL Section 9, T-25-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 45.5, Longitude 107° 53.6
Formation: Basin Dakota
Elevation: 5951' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	1116'	
Ojo Alamo	1116'	1250'	aquifer
Kirtland	1250'	2014'	
Fruitland	2014'	2372'	gas
Pictured Cliffs	2372'	4013'	gas & oil
Cliff House	4013'	4465'	salt water
Pt. Lookout	4465'	5890'	gas & oil
Gallup	5890'	6622'	gas & oil
Greenhorn	6622'	6691'	
Graneros	6691'	6804'	gas & oil
Dakota	6804'	7025'	gas & oil
Morrison	7025'		salt water
Total Depth	7050'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 2000-2600' and 6500' to TD.
 Coring - three 30' cores in 6930-7020' interval
 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
320-7050'	LSND	8.4-9.0	40-60	no control

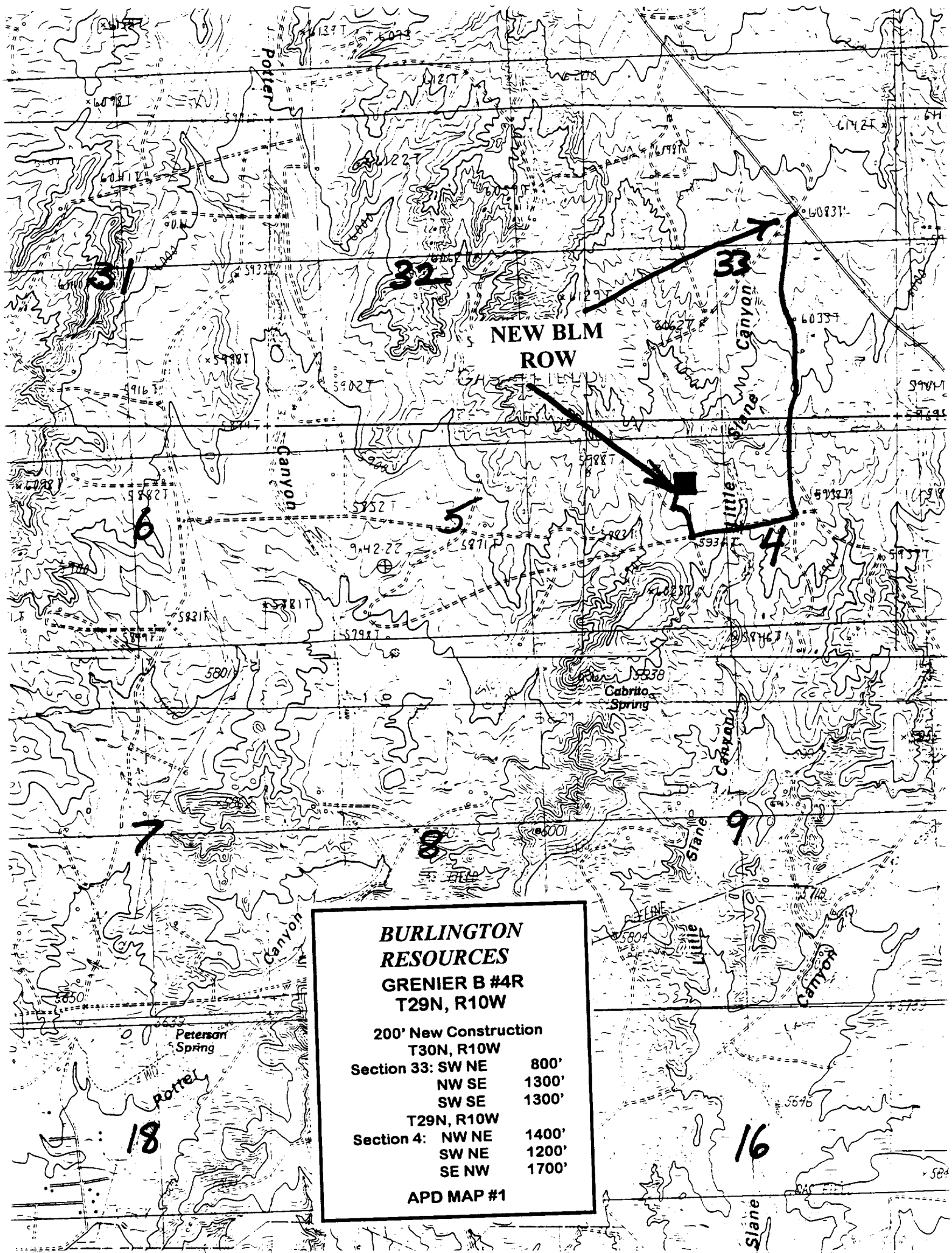
Pit levels will be visually monitored to detect gain or loss of fluid control.

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' - 7050'	4 1/2"	11.6#	N-80

Tubing Program:

0' - 7050' 2 3/8" 4.7# J-55 EUE



**BURLINGTON
RESOURCES
GRENIER B #4R
T29N, R10W**

200' New Construction		
T30N, R10W		
Section 33:	SW NE	800'
	NW SE	1300'
	SW SE	1300'
T29N, R10W		
Section 4:	NW NE	1400'
	SW NE	1200'
	SE NW	1700'
APD MAP #1		