

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED DEC - 6 1999	5. Lease Number SF-078115 Unit Reporting Number
1b. Type of Well GAS	OIL CON. DIV.	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	DIST. 3	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Grenier 9. Well Number 2B
4. Location of Well 1205' FSL, 760' FWL Latitude 36° 53.7, Longitude 108° 02.3		10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 18, T-31-N, R-11-W API # 30-045-30007
14. Distance in Miles from Nearest Town 4 miles from Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 760'		
16. Acres in Lease	17. Acres Assigned to Well 320.4 W/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 200'		
19. Proposed Depth 5333'	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.) 6116' 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: <u><i>Peggy Cobb</i></u> Regulatory/Compliance Administrator	<u>10-2-99</u> Date	

PERMIT NO. _____ APPROVAL DATE DEC 01 1999
APPROVED BY _____ TITLE _____ DATE 12/2/99

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

oh5c

NMOCB

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 30-045-30007		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 18530	*Property Name GRENIER		*Well Number 2B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6116'

¹⁰ Surface Location

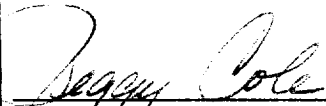


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	18	31N	11W		1205	SOUTH	760	WEST	SAN JUAN

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 W/320.40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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 1314.06'	1307.46'	2614.92'	<div>RECEIVED DEC - 6 1999 OIL CON. DIV. DIST. 3</div>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Cole Printed Name Regulatory Administrator Title 10-2-99 Date
LOT 1				
LOT 2	SF-078115	18		
LOT 3				
5204.10'		5210.70'		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. AUGUST 23, 1999 Date of Survey  Signature and Seal of Professional Surveyor  Certificate Number 6857
760'	1205'	1308.78'		
LOT 4		2618.22'		

OPERATIONS PLAN

Well Name: Grenier #2B
Surface Location: 2105' FSL, 760' FWL, Section 18, T-31-N, R-11-W
San Juan County, New Mexico
Latitude 36° 53.7, Longitude 108° 02.3

Formation: Blanco Mesa Verde
Elevation: 6116' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1048'	aquifer
Ojo Alamo	1048'	1126'	aquifer
Kirtland	1126'	2018'	gas
Fruitland	2018'	2675'	gas
Pictured Cliffs	2675'	2788'	gas
Lewis	2788'	3378'	gas
Intermediate TD	2888'		
Mesa Verde	3378'	3756'	gas
Chacra	3756'	4266'	gas
Massive Cliff House	4266'	4456'	gas
Menefee	4456'	4933'	gas
Point Lookout	4933'		gas
Total Depth	5333'		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD
Mud Logs/Coring/DST - none

Mud Program:

<u>Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120- 2888'	LSND	8.4-9.0	30-60	no control
2888- 5333'	Air/Mist	n/a	n/a	n/a

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

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Measured Depth</u>	<u>Csg Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2888'	7"	20.0#	J-55
6 1/4"	2788' - 5333'	4 1/2"	10.5#	J-55

Tubing Program: 0' -5333' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BURLINGTON RESOURCES OIL & GAS COMPANY GRENIER #2B

1205' FSL & 760' FWL, SECTION 18, T31N, R11W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
SW/4 SECTION 18, T31N, R11W.

