

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 SF-078424	6. Indian, All. or Tribe
1b. Type of Well GAS	Unit Reporting Number	Unit Agreement Name
2. Operator BURLINGTON RESOURCES Oil & Gas Company	San Juan 29-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit	9. Well Number 51B
4. Location of Well 10' FNL, 700' FWL Latitude 36° 43.1, Longitude 107° 34.9	10. Field, Pool, Wildcat Blanco Mesa Verde	11. Sec., Twn, Rge, Mer. (NMPM) D Sec 21, T-29-N, R-7-W API # 30-039-
14. Distance in Miles from Nearest Town 3 miles to Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 10'	17. Acres Assigned to Well 320 W/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 5708	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6354' GR		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator		

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

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.

R-10720(S)

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form
Revised February 21
Instructions C

District II
PO Drawer 00, Artesia, NM 86211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District
State Lease - 4
Fee Lease - 3

District III
1000 Rio Brazos Rd., Aztec, NM 87410

RECEIVED
BLM

☐ AMENDED RE:

District IV
PO Box 2088, Santa Fe, NM 87504-2088

98 JUN -5 PM 3:17

WELL LOCATION AND ACREAGE DEDICATION PLAT, NM

'API Number 30-039- 25958	'Pool Code 72319	'Pool Name Blanco Mesaverde
'Property Code 7465	'Property Name SAN JUAN 29-7 UNIT	'Well Number 51B
'OGRID No. 14538	'Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	'Elevation 6364'

¹⁰ Surface Location

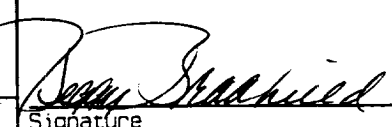
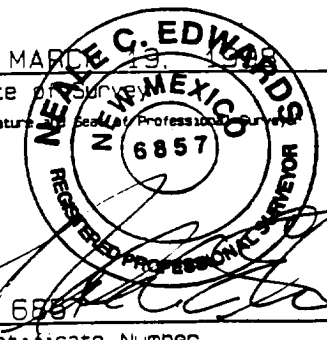
UL or lot no. 0	Section 21	Township 29N	Range 7W	Lot Idn	Feet from the 10	North/South line NORTH	Feet from the 700	East/West line WEST	Corner RI ARR
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Corner
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¹² Dedicated Acres W/320	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

700'	10'	5278.68'	RECEIVED AUG 25 1998 OIL CON. DIV. DIST. 3	¹⁷ OPERATOR CERTIFICATE I hereby certify that the information contained is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 4-2-98 Date
5280.00'	NMSF-078424	21		¹⁸ SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys by me or under my supervision, and that the same is correct to the best of my belief.  MARCE C. EDWARDS Date of Survey Signature 6857 Certificate Number
		5278.68'		

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #51B
Location: 10'FNL, 700'FWL Section 21, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 43.1, Longitude 107° 34.9
Formation: Blanco Mesa Verde
Elevation: 6364'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2178'	aquifer
Ojo Alamo	2178'	2315'	aquifer
Kirtland	2315'	2724'	
Fruitland	2724'	3136'	
Pictured Cliffs	3136'	3321'	gas
Lewis	3321'	3831'	gas
Intermediate TD	3421'		
Huerfanito Bentonite	3831'	4097'	
Chacra	4097'	4795'	
Massive Cliff House	4795'	4947'	gas
Menefee	4947'	5308'	gas
Massive Point Lookout	5308'	5744'	gas
Mancos Shale	5744'		
Total Depth	5708'		

Logging Program:

Cased hole logging - Gamma Ray Neutron
Coring/DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3421'	LSND	8.4-9.0	30-60	no control
3421-5708'	Gas/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>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3421'	7"	20.0#	J-55
6 1/4"	3321' - 5708'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 5708' 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.

