

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-079193 Unit Reporting Number 891001051B - Dk 8910010510 - MV
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7462 San Juan 28-6 Unit 9. Well Number 145M
4. Location of Well 1850' FSL, 820' FEL Latitude 36° 38.7, Longitude 107° 30.1	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde/ 71589 Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) 1 Sec 19, T-28-N, R-6-W API # 30-039-25746
14. Distance in Miles from Nearest Town 5 iles to Gobernador	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 820'	
16. Acres in Lease	17. Acres Assigned to Well 320 E/2 320 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1900'	
19. Proposed Depth 7867'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6610' 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>[Signature]</u> Regulatory/Compliance Administrator	<u>7-11-97</u> Date

PERMIT NO. _____

APPROVAL DATE

OCT 07 1997

APPROVED BY Chip Harvader

TITLE Acting District

DATE 10/7/97

Archaeological Report to be submitted by Arboles Contract Archaeology

Threatened and Endangered Species Report to be submitted

NOTE: an APD was approved in this quarter section 02-10-81

at (E)

NMOCD

District I
PO Box 1900, Hobbs, NM 88241-1900

District II
PO Drawer 00, Artesa, NM 88211-0719

District III
1000 Mie Branso Rd., Aztec, NM 87410

District IV
PO Box 2083, Santa Fe, NM 87504-2083

State of New Mexico
Energy, Minerals & Natural Resources Department

Form
Revised February 21

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

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

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Post Code	Post Name
30-039-25746		72319/71599	Blanco Mesaverde/Basin Dakota
Property Code	Property Name		Well Name
7462	San Juan 28-6 Unit		145M
OGRIID No.	Operator Name		Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY		6610'

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
I	19	28-N	6-W		1850	South	820	East	R.A.

11 Bottom Hole Locauon 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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¹² Designation Across	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
MV-E/320			
DK-E/320			

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	4805.16	17	OPERATOR CERTIFICATE I hereby certify that the information contained in this and complete to the best of my knowledge and
1	72	Signature Peggy Bradfield	Printed Name Regulatory Administrator
2	19	Title Date 7-11-97	Date 7-11-97
3	19	NMSF-079193	5280.00
4	4810.08	820' 1850'	5280.00

OPERATIONS PLAN

Well Name: San Juan 28-6 Unit #145M
Location: 1850'FSL, 820'FEL Sec 19, T-28-N, R-6-W
 Rio Arriba County, NM
 Latitude 36° 38.7, Longitude 107° 30.1
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6610'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2602'	
Ojo Alamo	2602'	3002'	aquifer
Fruitland	3002'	3386'	gas
Pictured Cliffs	3384'	3517'	gas
Lewis	3517'	3917'	gas
Intermediate TD	3617'		
Mesa Verde	3917'	4330'	gas
Chacra	4330'	5047'	
Massive Cliff House	5047'	5202'	gas
Menefee	5202'	5562'	gas
Massive Point Lookout	5562'	6780'	gas
Gallup	6780'	7512'	gas
Greenhorn	7512'	7612'	gas
Graneros	7612'	7724'	gas
Dakota	7724'		gas
TD (4 1/2"liner)	7867'		

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

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
200-3617'	LSND	8.4-9.0	30-60	no control
3617-7867'	Gas	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#	WC-50
8 3/4"	0' - 3617'	7"	20.0#	J-55
6 1/4"	3517' - 6855'	4 1/2"	10.5#	J-55
6 1/4"	6855' - 7867'	4 1/2"	11.6#	J-55

Tubing Program:

0' - 7867'	2 3/8"	4.70# EUE
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