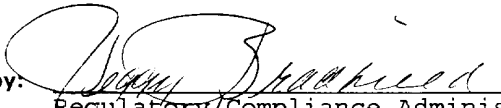


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080430B 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 1462 San Juan 28-6 Unit 9. Well Number 160M	
4. Location of Well 1175' FNL, 1365' FWL Latitude 36° 38.2, Longitude 107° 30.6	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde/ 71599 Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec 30, T-28-N, R-6-W API # 30-039-25742	
14. Distance in Miles from Nearest Town 6 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1175'	17. Acres Assigned to Well 1462 263.12 w/2; 328.77 w/2 DK	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1700'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7839'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6602' GR		
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
24. Authorized by:  Regulatory/Compliance Administrator	7-11-97 Date	

PERMIT NO. _____

APPROVAL DATE

SEP 16 1997

APPROVED BY /S/ Duane W. Spencer

TITLE _____

DATE

SEP 16 1997

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

NMOCG

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

Form
Revised February 21
Instructions 0
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

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

☐ AMENDED RE:

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25742		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7462	Property Name San Juan 28-6 Unit		Well Number 160M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6602'

¹⁰ Surface Location

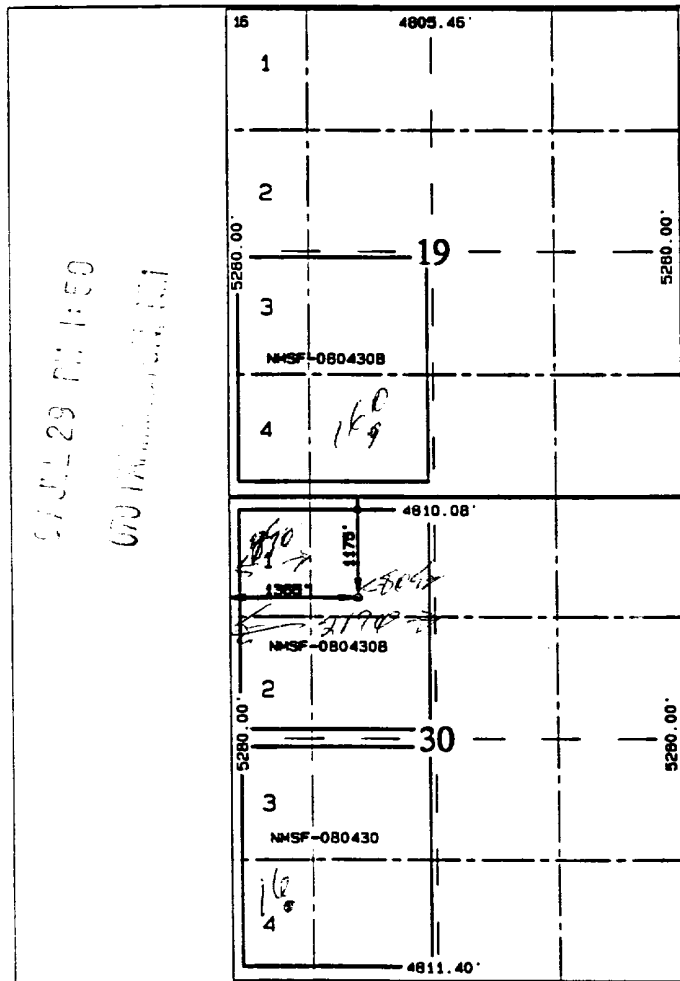
UL or lot no. C	Section 30	Township 28N	Range 6W	Lot Idn	Feet from the 1175	North/South line North	Feet from the 1365	East/West line West	County Rio Ar
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres MV-W 263 DK-W 328	¹³ Joint or Infill 12 77	¹⁴ Consolidation Code	¹⁵ Order No. A-2978
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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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best knowledge and belief

Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

7-11-97
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was plotted from field or actual surveys made by me or under my supervision, and that the same is true correct to the best of my belief.

6-3-97
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Certificate of Survey

OPERATIONS PLAN

Well Name: San Juan 28-6 Unit #160M
Location: 1175' FNL, 1365' FWL Sec 30, T-28-N, R-6-W
 Rio Arriba County, NM
 Latitude 36° 38.2, Longitude 107° 30.6
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6602' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2569'	
Ojo Alamo	2569'	2939'	aquifer
Fruitland	2939'	3339'	gas
Pictured Cliffs	3339'	3472'	gas
Lewis	3472'	3862'	gas
Intermediate TD	3572'		
Mesa Verde	3862'	4281'	gas
Chacra	4281'	4989'	
Massive Cliff House	4989'	5139'	gas
Menefee	5139'	5509'	gas
Massive Point Lookout	5509'	6740'	gas
Gallup	6740'	7484'	gas
Greenhorn	7484'	7589'	gas
Graneros	7589'	7701'	gas
Dakota	7701'		gas
TD (4 1/2" liner)	7839'		

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
200-3572'	LSND	8.4-9.0	30-60	no control
3572-7839'	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' - 3572'	7"	20.0#	J-55
6 1/4"	3472' - 6855'	4 1/2"	10.5#	J-55
6 1/4"	6855' - 7839'	4 1/2"	11.6#	J-55

Tubing Program:

0' - 7839' 2 3/8" 4.70# EUE

