

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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BLM
98 NOV 18 PM 12:51
070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-080673 Unit Reporting Number Indian, All. or Tribe
1b. Type of Well GAS	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	Unit Agreement Name San Juan 27-4 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-4 Unit 9. Well Number 39M
4. Location of Well 2250' FNL, 910' FWL Latitude 36° 36' 10", Longitude 107° 16' 43"	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec, Twn, Rge, Mer. (NMPM) E Sec. 5, T-27-N, R-4-W API # 30-039-26016
14. Distance in Miles from Nearest Town 68 miles to Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 910'	
16. Acres in Lease	17. Acres Assigned to Well 319.59 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1600'	
19. Proposed Depth 8208'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6876' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" 10-23-98 Date

PERMIT NO. _____ APPROVAL DATE **JUN 04 1999**
APPROVED BY **/S/ Duane W. Spencer** TITLE **Team Lead, Petroleum Management** 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.

HOLD C104 FOR DAKOTA NSL

ENCLOSURE

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
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

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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 30-039-26016	Pool Code 71599/72319	Pool Name Basin Dakota/Blanco Mesaverde
Property Code 7452	Property Name SAN JUAN 27-4 UNIT	Well Number # 39M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6876

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
E	5	27 N	4 W		2250	NORTH	910	WEST	RIO ARriba

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
Dedicated Acres DK:W/319.59 MV:W/319.59		Joins or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST 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 of my knowledge and belief. Signature: <i>Peggy Bradfield</i> Printed Name: Peggy Bradfield Title: Regulatory Administrator Date: 10-25-98	
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. Date of Survey: August 11, 1998 Signature and Seal of Registered Professional Land Surveyor: <i>[Signature]</i> 7016 Certificate Number					

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #39M
Location: 2250' FNL, 910' FWL, Sec 5, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 36' 10", Longitude 107° 16' 43"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6876' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3172'	
Ojo Alamo	3172'	3339'	aquifer
Kirtland	3339'	3397'	gas
Fruitland	3397'	3754'	gas
Pictured Cliffs	3754'	3865'	gas
Lewis	3865'	4333'	gas
Intermediate TD	3965'		
Mesa Verde	4333'	4729'	gas
Chacra	4729'	5540'	gas
Massive Cliff House	5540'	5583'	gas
Menefee	5583'	5912'	gas
Massive Point Lookout	5912'	6469'	gas
Mancos	6469'	7101'	gas
Gallup	7101'	7877'	gas
Greenhorn	7877'	7938'	gas
Graneros	7938'	8093'	gas
Dakota	8093'		gas
TD (4 1/2" liner)	8208'		

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
200-3965'	LSND	8.4-9.0	30-60	no control
3965-8208'	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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	K-55
8 3/4"	0' - 3965'	7"	20.0#	J-55
6 1/4"	3865' - 8208'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8208' 2 3/8" 4.70# EUE

**BURLINGTON
RESOURCES**

**SAN JUAN 27-4 UNIT # 39M
NW¼ Section 5
T27N, R4W, NMPM**

**300' FOREST New Road Construction
T27N, R4W
Section 5 - SW¼ NW¼**

APD Map # 1

