

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-080668 Unit Reporting Number 8910010540-Dk 891001054A-MV Indian, All. or Tribe
1b. Type of Well GAS	6. Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name San Juan 27-4 Unit 7452
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 70M
4. Location of Well 1925' FNL, 1040' FWL Latitude 36° 36' 40", Longitude 107° 17' 24"	10. Field, Pool, Wildcat 22319 Blanco MV/Basin Dk 71599 11. Sec, Twn, Rge, Mer. (NMPM) Sec 4, T-27-N, R-4-W APL# 30-039- 25918
14. Distance in Miles from Nearest Town 60 miles to Bloomfield	12. County RA 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1040'	
16. Acres in Lease	17. Acres Assigned to Well W/ 319.2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 800'	
19. Proposed Depth 8632'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7250' 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	5-30-98 Date

PERMIT NO. _____ APPROVAL DATE JUL 28 1998
APPROVED BY /s/ Duane W. Spencer TITLE _____ DATE JUL 28 1998

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.

136-4098 (2)

NMOCD

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-10:
Revised February 21, 199-
Instructions on bac.
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25918	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/ Basin Dakota
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number # 70M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 7250

¹⁰ Surface Location

UL or Lot No. E	Section 4	Township 27 N	Range 4 W	Lot Idn	Feet from the 1925	North/South line NORTH	Feet from the 1040	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

¹ 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/319.20 DK-W/319.20	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶				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 Bradfield	
				Printed Name	
				Regulatory Administrator	
				Title	
				Date	
				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.	
				February 26, 1998	
				Date of Survey	
				Signature and Seal of Professional Surveyor	
				7016	
				Certificate Number	

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #70M
Location: 1925' FNL, 1040' FWL Sec 4, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 36' 40", Longitude 107° 1' 24"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7250' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3561'	
Ojo Alamo	3561'	3734'	aquifer
Kirtland	3734'	3802'	
Fruitland	3802'	4155'	gas
Pictured Cliffs	4155'	4262'	gas
Lewis	4262'	4709'	gas
Intermediate TD	4362'		
Huerfano Bentonite	4709'	5136'	gas
Chacra	5136'	5949'	
Massive Cliff House	5949'	6020'	gas
Menefee	6020'	6319'	gas
Massive Point Lookout	6319'	6885'	gas
Mancos Shale	6885'	7511'	
Gallup	7511'	8292'	gas
Greenhorn	8292'	8357'	gas
Dakota	8357'		gas
TD (4 1/2" liner)	8632'		

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
200-4362'	LSND	8.4-9.0	30-60	no control
4362-8632'	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#	WC-55
8 3/4"	0' - 4362'	7"	20.0#	J-55
6 1/4"	4262' - 8632'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8632' 2 3/8" 4.70# EUE

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.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

