

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work **DRILL** 98 DEC 17 PM 1:08
1b. Type of Well **GAS** 070 FARMINGTON, NM

5. Lease Number **SF-079394**
Unit Reporting Number

6. If Indian, All. or Tribe

2. Operator **BURLINGTON RESOURCES** Oil & Gas Company
7. Unit Agreement Name **San Juan 27-5 Unit** 7454

3. Address & Phone No. of Operator **PO Box 4289, Farmington, NM 87499**
(505) 326-9700
8. Farm or Lease Name **San Juan 27-5 Unit**
9. Well Number **124M**

4. Location of Well **790' FSL, 1375' FEL**
Latitude **36° 32.4**, Longitude **107° 21.7**
10. Field, Pool, Wildcat **Blanco MV/Basin DK**
11. Sec., Twn, Rge, Mer. (NMPM) **Sec. 28, T-27-N, R-5-W**
API # **30-039-** 26050

14. Distance in Miles from Nearest Town **9 miles from Gobernador**
12. County **Rio Arriba** 13. State **NM**

15. Distance from Proposed Location to Nearest Property or Lease Line **790'**
16. Acres in Lease
17. Acres Assigned to Well **295.97 E/2**

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease **1700'**
19. Proposed Operation is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
20. Rotary or Cable Tools **Rotary**

21. Elevations (DF, FT, GR, Etc.) **6466' 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: **[Signature]** Regulatory/Compliance Administrator
Date **12-7-98**

PERMIT NO. **[Signature]** APPROVAL DATE **MAY 04 1999**
APPROVED BY **[Signature]** TITLE **Acting Team Lead** 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.

NMOCD

District I
PO Box 1990, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District II
PO Drawer 90, Artesia, NM 88211-0719

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

RECEIVED
BLM

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

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

98 DEC 17 PM 1:08 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT, NM

*API Number 30-039-26050		*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT		*Well Number 124M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6466'

10 Surface Location

UL or Lot No. C	Section 28	Township 27N	Range 5W	Lot Idn	Feet from the 790	North/South line SOUTH	Feet from the 1875	East/West line EAST	County RIO ARriba
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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 DK:E/295.97 MV:E/295.97	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

16		17 OPERATOR CERTIFICATION	
2622.18' 2220.24' 2667.72' 2654.52' 2620.86' 2280.96' 2573.34' 2667.72' 790' 1875' 28 NMSF-079394 RECEIVED MAY - 7 1999 OIL CON. DIV. DIST. 3		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Peggy Bradford</i> Signature Peggy Bradford Printed Name Regulatory Administrator Title 12-7-98 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. OCTOBER 8, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE EDWARDS NEW MEXICO 6857 PROFESSIONAL SURVEYOR	

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #124M
Location: 790' FSL, 1875' FEL, Sec 28, T-27-N, R-5-W
Rio Arriba County, NM
Latitude 36° 32.4, Longitude 107° 21.7
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6466' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2598'	
Ojo Alamo	2598'	2744'	aquifer
Kirtland	2744'	2780'	gas
Fruitland	2780'	3210'	gas
Pictured Cliffs	3210'	3292'	gas
Lewis	3292'	3672'	gas
Intermediate TD	3392'		
Mesa Verde	3672'	4177'	gas
Chacra	4177'	4848'	gas
Massive Cliff House	4848'	4979'	gas
Menefee	4979'	5348'	gas
Massive Point Lookout	5348'	5854'	gas
Mancos	5854'	6527'	gas
Gallup	6527'	7323'	gas
Greenhorn	7323'	7383'	gas
Graneros	7383'	7514'	gas
Dakota	7514'		gas
TD (4 1/2" liner)	7648'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface

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- 3392'	LSND	8.4-9.0	30-60	no control
3392-7648'	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#	H-40
8 3/4"	0' - 3392'	7"	20.0#	J-55
6 1/4"	3292' - 7648'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7648' 2 3/8" 4.70# EUE

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-5 UNIT #124M

790' FSL & 1875' FEL, SECTION 28, T27N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

900' NEW FEE CONSTRUCTION
SWSE SECTION 28, T27N, R5W.

