

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
BURLINGTON RESOURCES Oil & Gas Company

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

4. Location of Well
1150' FSL, 1670' FEL
Latitude 36° 33.3, Longitude 107° 17.3

5. Lease Number
SF-080669

6. Unit Reporting Number
070 FARMINGTON, NM

7. Unit Agreement Name
San Juan 27-4 Unit

8. Farm or Lease Name
San Juan 27-4 Unit

9. Well Number
45M

10. Field, Pool, Wildcat
Blanco MV/Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 19, T-27-N, R-4-W
API # 30-039-

12. County
Rio Arriba

13. State
NM

14. Distance in Miles from Nearest Town
8 miles from Gobernador

15. Distance from Proposed Location to Nearest Property or Lease Line
1150'

16. Acres in Lease

17. Acres Assigned to Well
E/2 320 E/2 320

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
2000'

19. Proposed Depth
8089'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6804' GR

22. Approx. Date Work will Start
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: *Duane W. Spencer*
Regulatory/Compliance Administrator

Date 12-23-98

PERMIT NO. _____ APPROVAL DATE JUN 02 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.

NMOC

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

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

99 JAN 23 PM 1:28 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 26090		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT		*Well Number 45M
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6804'

10 Surface Location

UL or lot no. 0	Section 19	Township 27N	Range 4W	Lot Idn	Feet from the 1150	North/South line SOUTH	Feet from the 1670	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
12 Dedicated Acres MV-E/320 DK-E/320		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

15	5291.22'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
1	<p>RECEIVED JUN - 4 1999 OIL DIV.</p> <p>NMSF-080669</p>	 Signature
2		Peggy Bradfield Printed Name
3		Regulatory Administrator Title
4		12-23-98 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.		
AUGUST 5, 1998 Date of Survey		
Signature and Seal of Professional Surveyor		
Certification Number		

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #45M
Location: 1150' FSL, 1670' FEL, Sec 19, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 33.3, Longitude 107° 17.3
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6804' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3115'	
Ojo Alamo	3115'	3193'	aquifer
Kirtland	3193'	3289'	gas
Fruitland	3289'	3663'	gas
Pictured Cliffs	3663'	3757'	gas
Lewis	3757'	4115'	gas
Intermediate TD	3857'		
Mesa Verde	4115'	4634'	gas
Chacra	4634'	5354'	gas
Massive Cliff House	5354'	5478'	gas
Menefee	5478'	5844'	gas
Massive Point Lookout	5844'	6333'	gas
Mancos	6333'	6980'	gas
Gallup	6980'	7764'	gas
Greenhorn	7764'	7821'	gas
Graneros	7821'	7964'	gas
Dakota	7964'		gas
TD (4 1/2" liner)	8089'		

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- 3857'	LSND	8.4-9.0	30-60	no control
3857-8089'	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' - 3857'	7"	20.0#	J-55
6 1/4"	3757' - 8089'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8089' 2 3/8" 4.70# EUE

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-4 UNIT #45M
1150' FSL & 1670' FEL, SECTION 19, T27N, R4W, N.M.P.M.
RIO ARRIBA, NEW MEXICO

