

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-079519A
Unit Reporting Number
891000949A-DK, NM
8910009490-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 28-5 Unit
7460

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

8. Farm or Lease Name
San Juan 28-5 Unit

9. Well Number
86M

4. Location of Well
935' FNL, 1075' FWL
Latitude 36° 39.1, Longitude 107° 20.0

10. Field, Pool, Wildcat
Blanco MV/Basin Dk 71599

11. Sec., Twn, Rge, Mer. (NMPM)
Sec 23, T-28-N, R-5-W
API # 30-039- 25946

12. Distance in Miles from Nearest Town
5 miles to Gobernador

12. County
RA

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
935'

16. Acres in Lease

17. Acres Assigned to Well
N 320 MV
W 320 DK

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
1600'

19. Proposed Depth
8282'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6869' GR

22. Approx. Date Work will Start
5-30-98

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: [Signature]
Regulatory/Compliance Administrator

DATE
AUG 19 1998

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/ Duane W. Spencer

TITLE

DATE

AUG 19 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.

NMOCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

98 JUN -8 PM 4:18 ☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25946		*Pool Code 72319/71599		*Pool Name Blanco Mesaverde/Basin Dakota	
*Property Code 7460		*Property Name SAN JUAN 28-5 UNIT			*Well Number 86M
*GRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			*Elevation 6869'

10 Surface Location

UL or lot no. D	Section 23	Township 28N	Range 5W	Lot Idn	Feet from the 935	North/South line NORTH	Feet from the 1075	East/West line WEST	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-N/320 DK-W/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

16		5283.96'		17 OPERATOR CERTIFICATION	
1075'		5280.00'		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
5280.00'		23		Signature <i>Peggy Bradfield</i>	
NMSF-079519A		NMSF-079519A		Printed Name Peggy Bradfield	
NMSF-079519A		NMSF-079519A		Title Regulatory Administrator	
NMSF-079519A		NMSF-079519A		Date 5-30-98	
NMSF-079519A		NMSF-079519A		18 SURVEYOR CERTIFICATION	
NMSF-079519A		NMSF-079519A		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.	
NMSF-079519A		NMSF-079519A		Date of Survey APRIL 8, 1998	
NMSF-079519A		NMSF-079519A		Signature and Seal of Professional Surveyor <i>NEALE C. EDWARDS</i>	
NMSF-079519A		NMSF-079519A		Certificate Number 6855	
NMSF-079519A		NMSF-079519A		5287.92'	

OPERATIONS PLAN

Well Name: San Juan 28-5 Unit #86M
Location: 935' FNL, 1075' FWL Sec 23, T-28-N, R-5-W
Rio Arriba County, NM
Latitude 36° 39.1, Longitude 107° 20.0
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6869' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3105'	
Ojo Alamo	3105'	3290'	aquifer
Kirtland	3290'	3420'	
Fruitland	3420'	3803'	gas
Pictured Cliffs	3803'	3907'	gas
Lewis	3907'	4486'	gas
Intermediate TD	4007'		
Huerfano Bentonite	4486'	4792'	gas
Chacra	4792'	5617'	
Massive Cliff House	5617'	5675'	gas
Menefee	5675'	5974'	gas
Massive Point Lookout	5974'	6458'	gas
Mancos Shale	6458'	7191'	
Gallup	7191'	7942'	gas
Greenhorn	7942'	8002'	gas
Dakota	8002'		gas
TD (4 1/2" liner)	8282'		

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
200-4007'	LSND	8.4-9.0	30-60	no control
4007-8282'	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-50
8 3/4"	0' - 4007'	7"	20.0#	J-55
6 1/4"	3907' - 8282'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8282' 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.

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 28-5 UNIT #86M

935' FNL & 1075' FWL, SECTION 23, T28N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

2000' NEW BLM CONSTRUCTION
300' NWNW SECTION 23, T28N, R5W
800' NE/NW SECTION 23, T28N, R5W
900' SWSW SECTION 14, T28N, R5W

