

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-079250
Unit Reporting Number
891000949A-DK
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
83M

4. Location of Well
790' FNL, 1815' FWL
Latitude 36° 40.0, Longitude 107° 22.0

10. Field, Pool, Wildcat
Blanco MV/Basin Dk
11. Sec., Twn, Rge, Mer. (NMPM)
Sec 16, T-28-N, R-5-W
API # 30-039-25927

14. Distance in Miles from Nearest Town
3 miles to Gobernador

12. County
RA

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
790'

16. Acres in Lease

17. Acres Assigned to Well
N/320 MV N/320 DX

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

19. Proposed Depth
7920'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6545' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

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

5-30-98
Date

PERMIT NO. _____ APPROVAL DATE JUL 31 1998

APPROVED BY /S/ Duane W. Spencer TITLE _____ DATE JUL 31 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.

ACCEPTED FOR RECORD

JUL 31 1998

FARMINGTON DISTRICT OFFICE
BY _____

District I
PO Box 1380, Hobbs, NM 88241-1380

State of New Mexico
Energy, Minerals & Natural Resources Department

Form
Revised February 21
Instructions of

District II
PO Drawer 20, Artesia, NM 88211-0719

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

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

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

District IV
PO Box 2388, Santa Fe, NM 87504-2088

50 JUN -5 PM 3:15

☐ AMENDED REF

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-35927	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7460	Property Name SAN JUAN 28-5 UNIT	Well Number 83M
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6545'

10 Surface Location

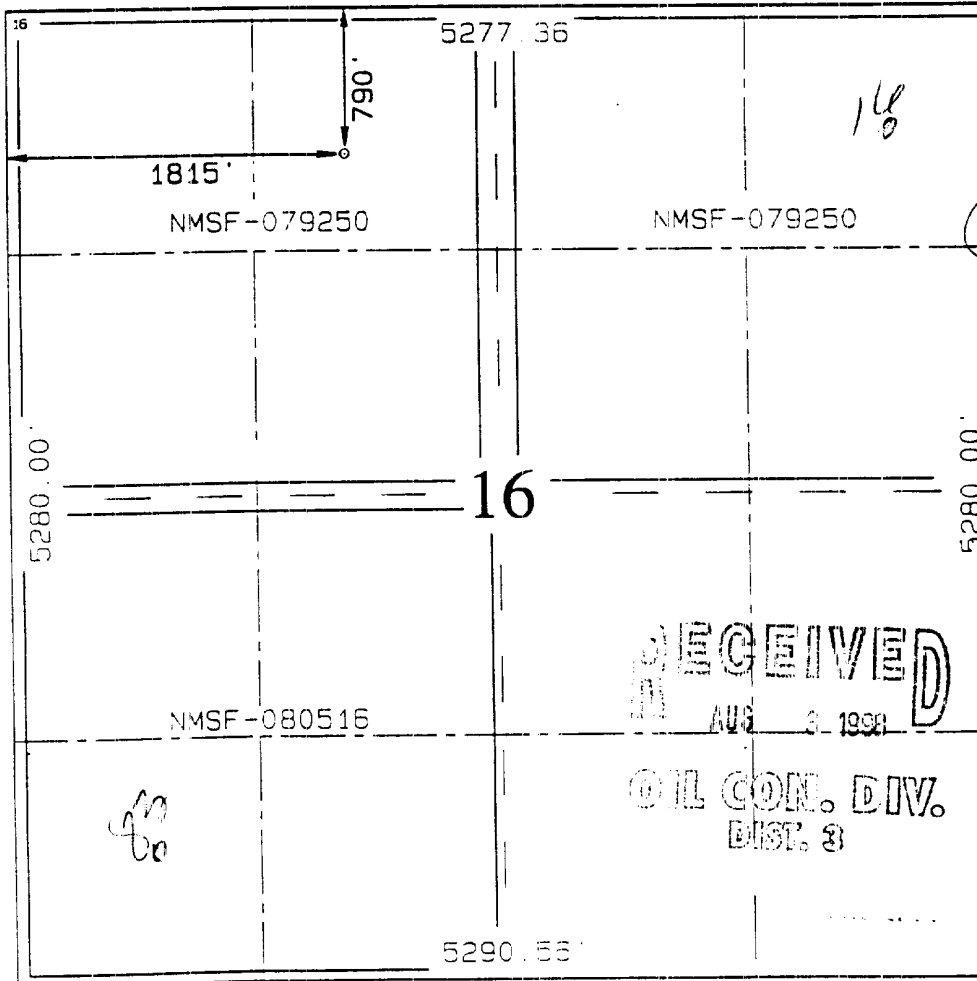
UL or lot no.	Section	Township	Range	Lot (in)	Feet from the	North/South line	Feet from the	East/West line	Course
C	16	28N	5W		790	NORTH	1815	WEST	RI ARR

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot (in)	Feet from the	North/South line	Feet from the	East/West line	Course

12 Dedicated Acres MV-N/320 DK-W/320	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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained is true and complete to the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

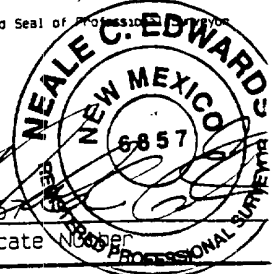
5-30-98
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is to the best of my belief.

FEBRUARY 15, 1998
Date of Survey

Signature and Seal of Professional Surveyor



6857
Certificate Number

OPERATIONS PLAN

Well Name: San Juan 28-5 Unit #83M
Location: 790' FNL, 1815' FWL Sec 16, T-28-N, R-5-W
Rio Arriba County, NM
Latitude 36° 40.0, Longitude 107° 22.0
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6545' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2695'	
Ojo Alamo	2695'	2887'	aquifer
Kirtland	2887'	2989'	
Fruitland	2989'	3448'	gas
Pictured Cliffs	3448'	3560'	gas
Lewis	3560'	4167'	gas
Intermediate TD	3660'		
Huerfanito Bentonite	4167'	4439'	gas
Chacra	4439'	5240'	
Massive Cliff House	5240'	5335'	gas
Menefee	5335'	5624'	gas
Massive Point Lookout	5624'	6056'	gas
Mancos Shale	6056'	6842'	
Gallup	6842'	7585'	gas
Greenhorn	7585'	7735'	gas
Dakota	7735'		gas
TD (4 1/2" liner)	7920'		

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
200-3660'	LSND	8.4-9.0	30-60	no control
3660-7920'	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' - 3660'	7"	20.0#	J-55
6 1/4"	3560' - 7920'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7920' 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 #33M

790' FNL & 1815' FWL, SECTION 16, T28N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
NE/NW SECTION 16, T28N, R5W

