UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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03 JUN 16 AM 11:50
070 Farmington, NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. **Type of Work**
DRILL

5. **Lease Number**
NMSF-078945
Unit Reporting Number
MV-8910016500
DK-891001650A

1b. **Type of Well**
GAS

6. **If Indian, All. or Tribe**

AUG 2003
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OIL CONS. DIV.
DIST. 3

2. **Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY LP

7. **Unit Agreement Name**
San Juan 29-7 Unit

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499

(505) 326-9700

8. **Farm or Lease Name**
San Juan 29-7 Unit
9. **Well Number**
81M

4. **Location of Well**
720' FNL, 720' FEL

Latitude 36° 43.83, Longitude 107° 36.31

10. **Field, Pool, Wildcat**
Blanco MV/Basin DK
11. **Sec., Twn, Rge, Mer. (NMPM)**
A Sec. 18, T-29-N, R-7-W
API # 30-039- 27458

14. **Distance in Miles from Nearest Town**
14 miles from Blanco

12. **County** Rio Arriba
13. **State** NM

15. **Distance from Proposed Location to Nearest Property or Lease Line**
720'

16. **Acres in Lease**

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

18. **Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease**
1161'

19. **Proposed Depth**
7956'

20. **Rotary or Cable Tools**
Rotary

21. **Elevations (DF, FT, GR, Etc.)**
6729' GR

22. **Approx. Date Work will Start**

23. **Proposed Casing and Cementing Program**
See Operations Plan attached

24. **Authorized by:** Peggy Cole
Regulatory/Compliance Supervisor

5-5-03
Date

PERMIT NO. _____ **APPROVAL DATE** _____

APPROVED BY /s/ David J. Mankiewicz **TITLE** _____ **DATE** AUG 15 2003

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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039- 27458	72319/71599	Blanco Mesaverde/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
7465	SAN JUAN 29-7 UNIT	81M

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS INC.	6729'

[10] Surface Location

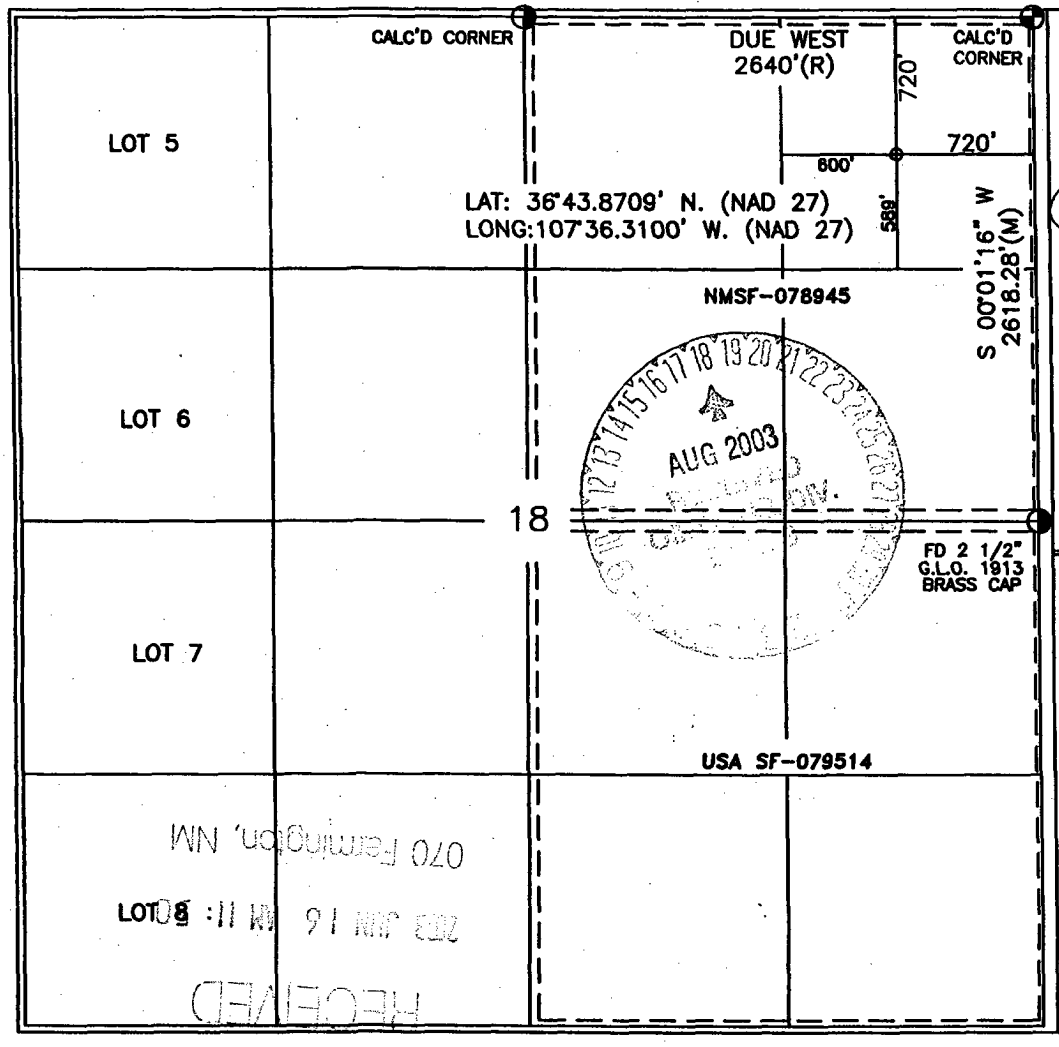
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	29-N	7-W		720	NORTH	720	EAST	RIO ARRIBA

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
MV - E/320 DK - E/320			

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 herein is true and complete to the best of my knowledge and belief.

Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

5-5-03
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.

4-DATED
Date of Survey

Signature and Seal of Professional Surveyor

DAVID A. JOHNSON
NEW MEXICO
14827
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number

070 Farmington, NM
RECEIVED
2003 JUN 16 PM 11:

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #81M
720'FNL, 720'FEL, Section 18, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 43.87, Longitude 107° 36.31
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6729'GL

Formation Tops:	***Top***	***Bottom***	***Contents***
Surface	San Jose	2491'	
Ojo Alamo	2491'	2661'	aquifer
Kirtland	2661'	3161'	gas
Fruitland	3161'	3491'	
Pictured Cliffs	3491'	3621'	gas
Lewis	3621'	4176'	gas
Intermediate TD	**3721'**		
Huerfanito Bentonite	4176'	4451'	gas
Chacra	4451'	5216'	gas
Cliff House	5216'	5281'	
Menefee	5281'	5661'	gas
Point Lookout	5661'	6061'	gas
Mancos	6061'	6911'	gas
Gallup	6911'	7651'	gas
Greenhorn	7651'	7706'	gas
Graneros	7706'	7756'	gas
Dakota	7756'		gas
TD	**7956'**		

Logging Program:
Mud logs - none
Cased hole - CBL-CCL-GR - TD to surface
Open hole - none
Cores - none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3721'	LSND	8.4-9.0	30-60	no control
3721- 7956'	Air/N2	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):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3721'	7"	20.0#	J-55
6 1/4"	3621' - 7956'	4 1/2"	10.5#	K-55

Tubing Program:
0' - 7956'

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -
11" 3000 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" 3000 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.

Surface to Total Depth -
2" nominal, 3000 psi minimum choke manifold (Reference Figure #2).

Completion Operations -
7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -
9 5/8" x 7" x 2 3/8" x 3000 psi tree assembly.

General -
- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 50 sx Type I, II cement with 20% flyash (81 cu.ft. of slurry, to bring cement to surface). WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -
Lead w/464 sx Premium Lite cement with 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.25 pps Flocele, 0.2% fluid loss (1113 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 2661'. Two turbolating centralizers at the base of the Ojo Alamo at 2661'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production casing -
Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 291 sx 35/65 poz Type III cement w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 7 pps CSE, 6% gel (577 cu.ft.), (30% excess to cement 4 1/2" x 7" overlap. WOC a minimum of 18 hrs prior to completing.)