

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2005 NOV 22 PM 2 07  
RECEIVED  
070 FARMINGTON NM

1a. Type of Work DRILL	5. Lease Number SF-079514 Unit Reporting Number OK-NMNM-78417B
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company	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 #81N
4. Location of Well 2180' FSL, 265' FEL Latitude 36° 43.4842'N, Longitude 107° 36.2182'W	10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T29N, R07W API # 30-039-29703
14. Distance in Miles from Nearest Town 14.5 miles from Blanco, NM Post Office	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 265'	17. Acres Assigned to Well E/2 320 acres MV/DK
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drilling Compl. or Applied for on this Lease 1807'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 8003'	22. Approx. Date Work will Start
21. Elevations (DF, FT, GR, Etc.) 6794' GR	
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Geri Clark</u> Regulatory Specialist	<u>11-22-05</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

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

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

NMOC

<p><b>16</b></p>	<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>Joni Clark</i></p> <hr/> <p>Signature _____</p> <p style="text-align: center;">Joni Clark</p> <hr/> <p>Printed Name _____</p> <p style="text-align: center;">Senior Regulatory Specialist</p> <hr/> <p>Title _____</p> <hr/> <p>Date <u>9-22-05</u></p>	<p><b>18</b></p>
<p>LAT: 36°43.4842' N. LONG: 107°36.2182' W. NAD 1927</p>	<p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plan 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.</p> <p>Date of Survey <u>9-19-05</u></p> <hr/> <p>Signature and Seal of Professional Surveyor:</p> <div style="text-align: center;"> </div> <p style="text-align: center;"><i>Glen Russell</i></p> <hr/> <p>Certificate Number <u>15703</u></p>	<p>N 89°-56'-15" W 2838.47'</p>

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 29703

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

SF-079514

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

81N

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde/Basin Dakota

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐

Gas Well ☒

Other ☐

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 2180 feet from the South line and 265 feet from the East line  
Section 18 Township 29N Range 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6794'

Pit or Below-grade Tank Application

☒ or Closure ☐

Pit type New Drill Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water >1000'

Pit Liner Thickness:

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

**12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data**

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

MULTIPLE COMPL ☐

OTHER:

New Drill Pit ☒

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING/CEMENT JOB ☐

ALTERING CASING ☐

P AND A ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

*Joni Clark*

TITLE

Regulatory Specialist

DATE

9/27/2005

Type or print name

Joni Clark

E-mail address:

jclark@br-inc.com

Telephone No.

505-326-9700

**For State Use Only**

APPROVED BY

*[Signature]*

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 1

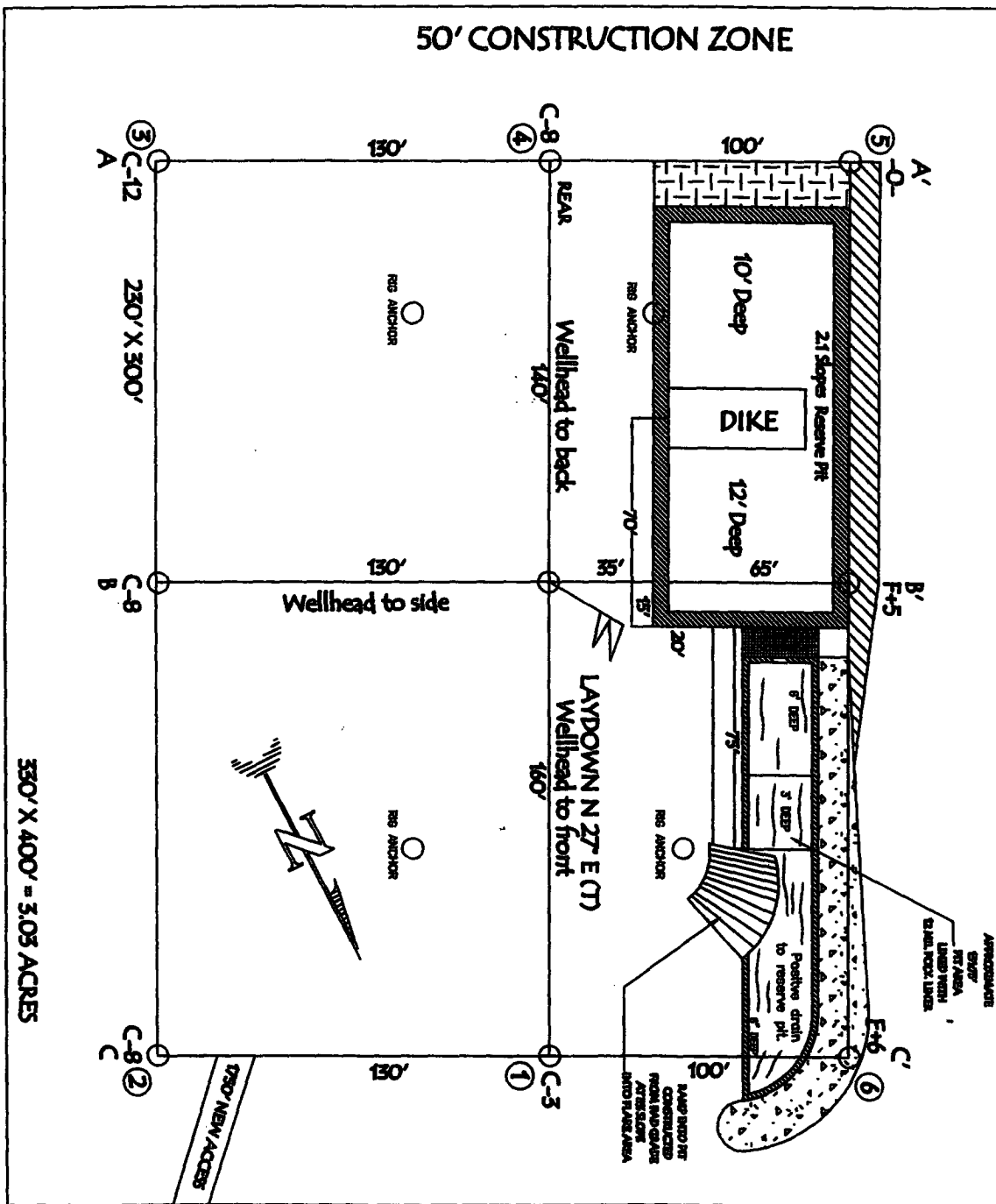
DATE

JAN 09 2006

Conditions of Approval (if any):

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**  
**SAN JUAN 29-7 UNIT #81N, 2180' FSL & 265' FEL**  
**SECTION 18, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM**  
**GROUND ELEVATION: 6794', DATE: AUGUST 29, 2005**

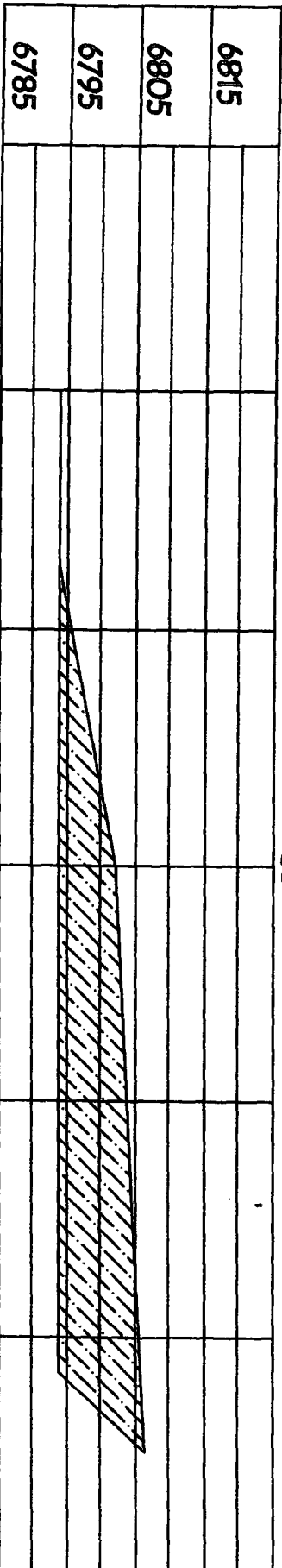


LATITUDE: 36° 43.4842' LONGITUDE: 107° 36.2182' NAD27

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED  
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP  
 SAN JUAN 29-7 UNIT #81N, 2180' FSL & 265' FEL  
 SECTION 18, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM  
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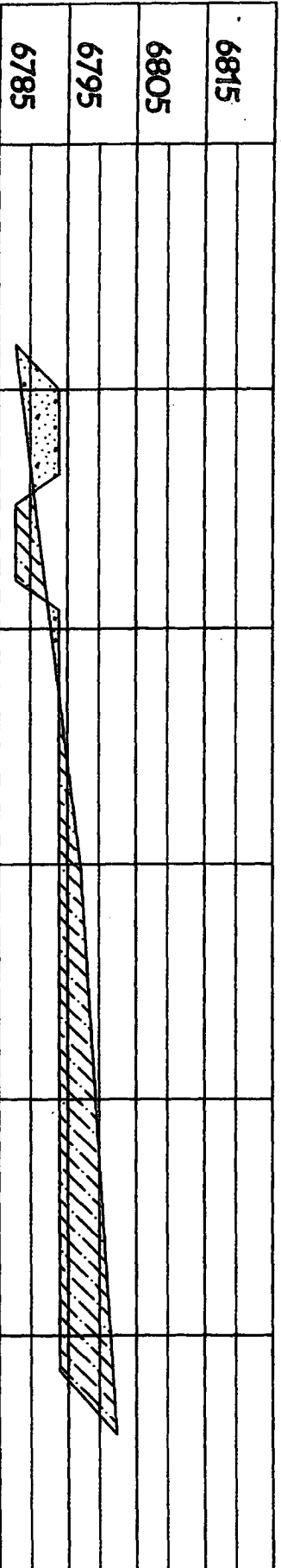
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



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## OPERATIONS PLAN

**Well Name:** San Juan 29-7 Unit 81N

**Location:** 2180 FSL, 265' FEL, Sec 18, T29N, R7W  
Rio Arriba County, NM

Latitude 36° 43.4842'N, Longitude 107° 36.2182'W

**Formation:** Blanco Mesaverde/Basin Dakota

**Total Depth:** 8003'

**Logging Program:** See San Juan 29-7 Unit Master Operations Plan

**Mud Program:** See San Juan 29-7 Unit Master Operations Plan

**Casing Program (as listed, the equivalent, or better):**

Hole Size	Depth Interval	Csg	Wt.	Grade	Cement		
12 1/4	0' -	120	9.625"	32.3#	H-40	113	cu.ft
8 3/4	0' -	3753	7"	20.0#	J-55	840	cu.ft
6 1/4	0' -	8003	4.5"	10.5/11.6#	J-55	579	cu.ft

**Tubing Program:** See San Juan 29-7 Unit Master Operations Plan

- \* The Mesaverde and Dakota formations will be completed and commingled.
- \* The East half of Section 18 is dedicated to the Mesaverde and the Dakota formation in this well.
- \* Gas is dedicated.

  
Drilling Engineer

11/15/05  
Date

\*Assumption

Lewis 100