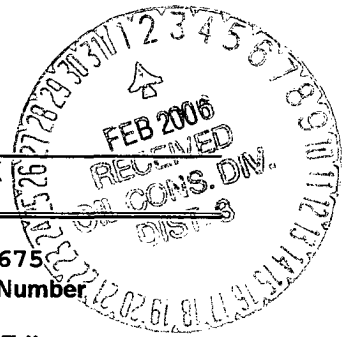


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK



1a. Type of Work DRILL	2004 DEC 13 11 32 RECEIVED 070 FARMINGTON NM	5. Lease Number NMSF080675 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company 14538		7. Unit Agreement Name San Juan 27-4 Unit 7452
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 37N
4. Location of Well Unit M (SWSW) 1070' FSL & 310' FWL  Latitude 36° 31.5472' N Longitude 107° 15.8225' W		10. Field, Pool, Wildcat Basin Dakota & Blanco Mesaverde  11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 33, T27N, R4W  API # 30-039- 29375
14. Distance in Miles from Nearest Town Gobernador - 19 miles		12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line		
16. Acres in Lease		17. Acres Assigned to Well MV - 320 W/2 & DK - 320 S/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease		
19. Proposed Depth 8195'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6963' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Chisot</u> Regulatory/Compliance Specialist		Date <u>12/10/04</u>

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Jim Colabo TITLE Acting AFM DATE 1/30/06

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.

ONLY TO BE  
SUBJECT TO GENERAL POL. WITH ATTACHED  
"GENERAL REQUIREMENTS"

NMOC

This action is subject to technical and  
procedural review pursuant to 43 CFR 3160.2  
and appeal pursuant to 43 CFR 3160.4

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

2004 DEC 13 AM 11 33

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039 - 29375		*Pool Code 71599/72319	*Pool Name 070 FARMINGTON
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT		*Well Number 37N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6963'

<sup>10</sup> Surface Location

UL or lot no. M	Section 33	Township 27N	Range 4W	Lot Idn	Feet from the 1070	North/South line SOUTH	Feet from the 310	East/West line WEST	County RIO ARriba
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<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres DK S/2-320 MV W/2-320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<div><p>16</p><p>5260.20'</p><p>5280.00'</p><p>310'</p><p>1070'</p><p>5280.00'</p><p>LAT: 36°31.5472'N LONG: 107°15.8225'W DATUM: NAD27</p></div>	<div><p>LEASE USA SF-080675</p><p>33</p></div>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Patsy Clugston</i></p> <p>Signature</p> <p>Patsy Clugston</p> <p>Printed Name</p> <p>Sr. Regulatory Specialist</p> <p>Title</p> <p>8-26-04</p> <p>Date</p>
		<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: JULY 14, 2004</p> <p>Signature and Seal of Professional Surveyor</p> <div><p>JASON C. EDWARDS</p><p>NEW MEXICO</p><p>REGISTERED PROFESSIONAL SURVEYOR</p><p>15269</p></div> <p><i>JASON C. EDWARDS</i></p> <p>Certificate Number 15269</p>

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

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. **30-039-29375**

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

Federal Lease - NMSF080675

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#37N

9. OGRID Number

14538

10. Pool name or Wildcat

Basin DK & Blanco MV

**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 M : 1070 feet from the South line and 310 feet from the West line  
Section 33 Township 27N Range 4W NMPM County Rio Arriba

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

6963' GL

Pit or Below-grade Tank Application

☐ or Closure

Pit type

New Drill

Depth to Groundwater

>1000'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

<1000'

Pit Liner Thickness:

12

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 ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPL ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

OTHER:

New Drill Pit

☒

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.

New Drill, Lined:

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 will be a lined 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 lined 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

*Patsy Clugston*

TITLE

Sr. Regulatory Specialist

DATE

12/8/2004

Type or print name

Patsy Clugston

E-mail address:

pclugston@br-inc.com

Telephone No.

505-326-9518

**For State Use Only**

APPROVED BY

*[Signature]*

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. III

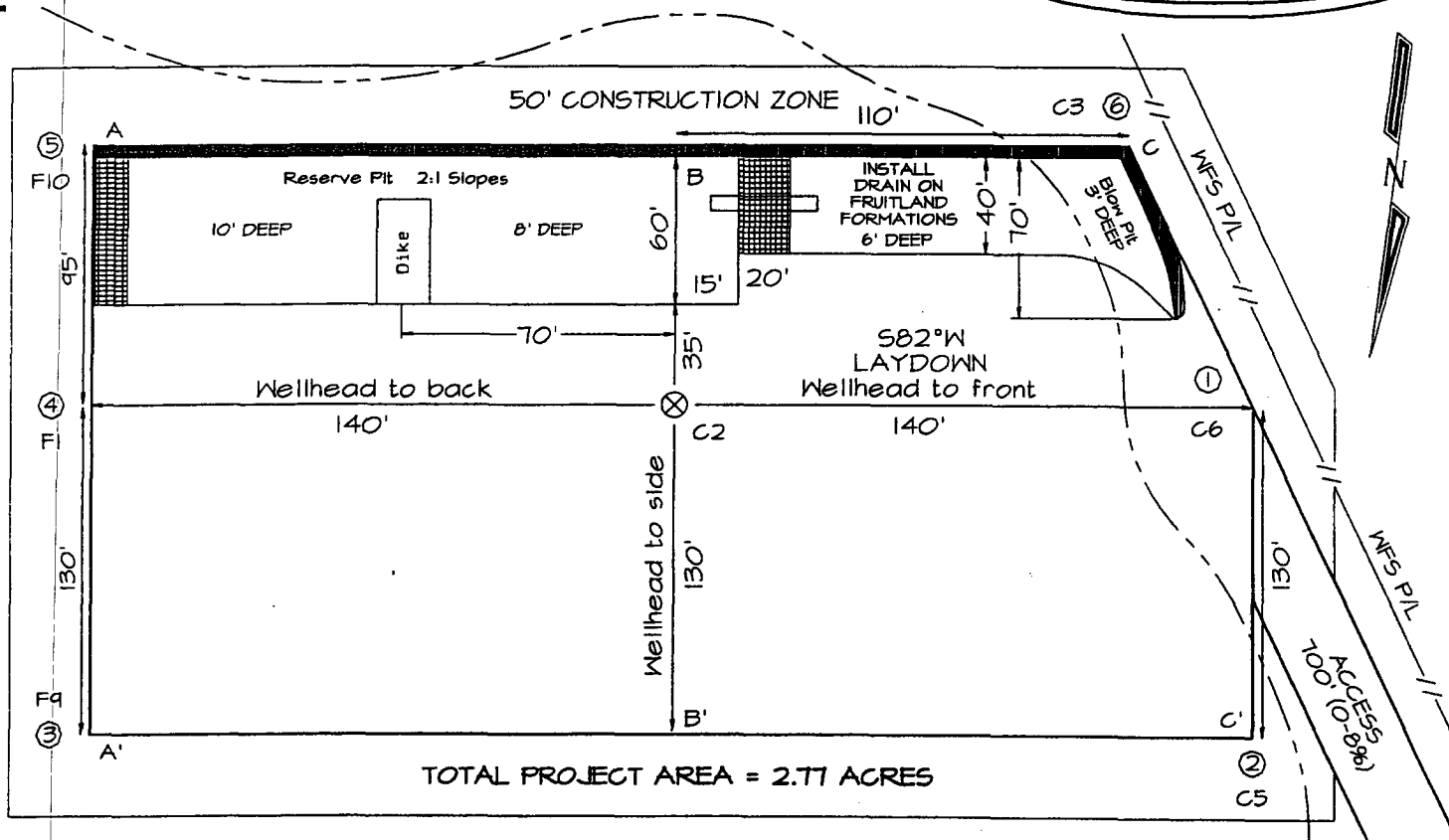
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FEB 01 2005

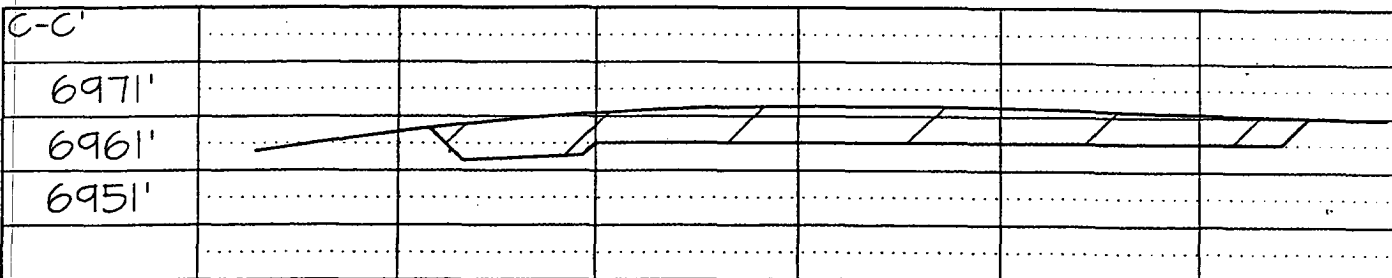
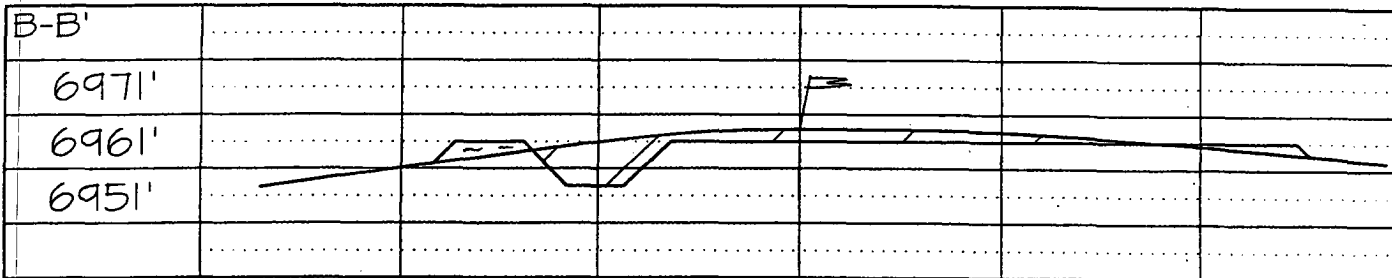
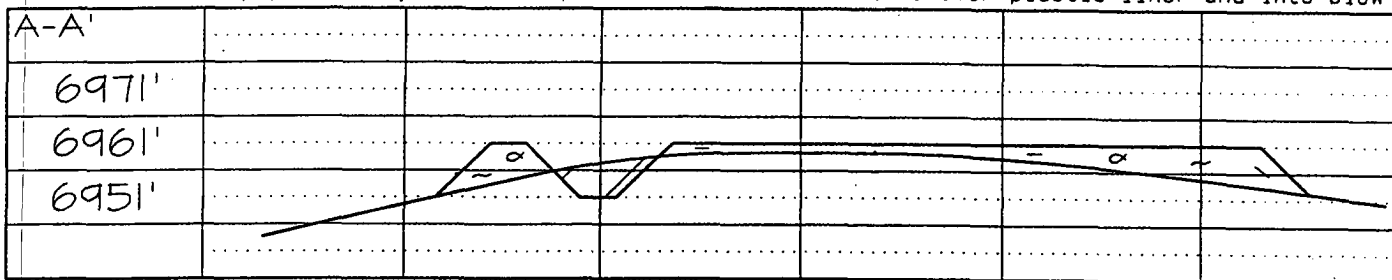
Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY, LP  
 SAN JUAN 27-4 UNIT #37N, 1070' FSL & 310' FWL  
 SECTION 33, T27N, R4W, NMPM, RIO ARriba COUNTY, NM  
 GROUND ELEVATION: 6963' DATE: JULY 14, 2004

LATITUDE: 36°31'33"  
 LONGITUDE: 107°15'49"  
 DATUM: NAD1927



Reserve Pit Diike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).  
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit



Note: 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

## OPERATIONS PLAN

**Well Name:** San Juan 27-4 Unit #37N

**Location:** Unit M (SWSW/4), 1070' FSL & 310' FWL, Section 33, T27N, R4W  
Rio Arriba County, NM

Latitude 36° 31.5472' N, Longitude 107° 15.8225' W

**Formation:** Blanco Mesaverde/Basin Dakota

**Total Depth:** 8195'

**Logging Program:** See San Juan 27-4 Unit Master Operations Plan

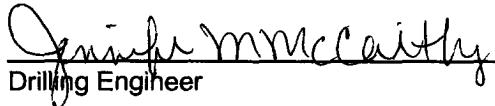
**Mud Program:** See San Juan 27-4 Unit Master Operations Plan

**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' -	3935	7"	20.0#	J-55	881	cu.ft
6 1/4	0' -	8195	4.5"	10.5# / 11.6#	J-55	580	cu.ft

**Tubing Program:** See San Juan 27-4 Unit Master Operations Plan

- \* The Mesaverde and Dakota formations will be completed and commingled.
- \* The west half of Section 33 is dedicated to the Mesaverde and the south half of Section 33 is dedicated to the Dakota formation in this well.
- \* Gas is dedicated.

  
Drilling Engineer

12-10-04  
Date

\*Assumption  
Lewis 100