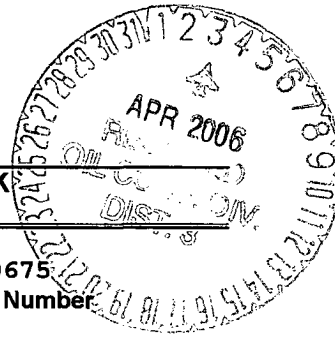


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2004 DEC 13 AM 11:37

1a. Type of Work  
DRILL

5. Lease Number  
NMSF080675  
Unit Reporting Number

1b. Type of Well  
GAS

6. If Indian, All. or Tribe

2. Operator  
**BURLINGTON**  
RESOURCES Oil & Gas Company

7. Unit Agreement Name  
San Juan 27-4 Unit

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

8. Farm or Lease Name

9. Well Number  
102N

4. Location of Well  
Unit H (SENE), 2390 FNL & 460' FEL,  
Latitude 36° 31.8302' N  
Longitude 107° 14.9085' W

10. Field, Pool, Wildcat  
Basin Dakota & Blanco Mesaverde

11. Sec., Twn, Rge, Mer. (NMPM)  
H Sec. 33, T27N, R4W

API # 30-039- 29376

14. Distance in Miles from Nearest Town  
Gobernador - 21 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 E/2 & DK - 320 N/2

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

19. Proposed Depth  
8401'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
7185' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Patsy Olego  
Regulatory/Compliance Specialist

12/10/04  
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".

NMOCD

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

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 37

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039 29376	*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT	*Well Number 102N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 7185'

<sup>10</sup> Surface Location

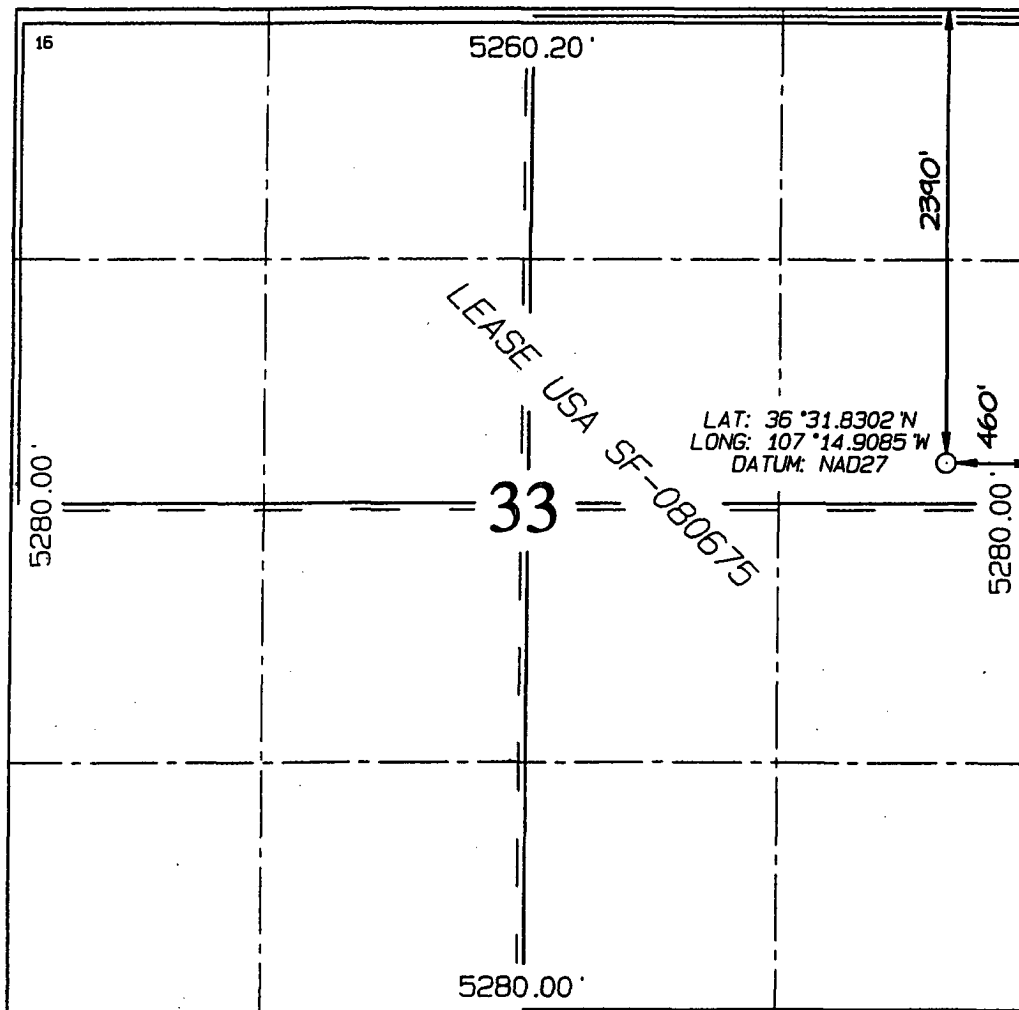
U. or lot no. H	Section 33	Township 27N	Range 4W	Lot Idn	Feet from the 2390	North/South line NORTH	Feet from the 460	East/West line EAST	County RIO ARriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

U. 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 N/2-320 MV E/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



<sup>17</sup> OPERATOR CERTIFICATION

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

Signature

Patsy Clugston

Printed Name

Sr. Regulatory Specialist

Title

8-26-04

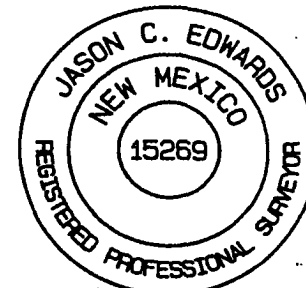
Date

<sup>18</sup> 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.

Date of Survey: JULY 15, 2004

Signature and Seal of Professional Surveyor



JASON C. EDWARDS  
Certificate Number 15269

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

Energy, Minerals and Natural Resources

**OIL CONSERVATION DIVISION**

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

May 27, 2004

WELL API NO.	30-039- <b>29376</b>
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	<b>Federal Lease - SF-080675</b>
7. Lease Name or Unit Agreement Name	<b>San Juan 27-4 Unit</b>
8. Well Number	<b>#102N</b>
9. OGRID Number	<b>14538</b>
10. Pool name or Wildcat	<b>Basin Dakota / Blanco Mesaverde</b>

**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 **H** : **2390'** feet from the **North** line and **460'** feet from the **East** line  
Section **33** Township **27N** Range **4W** NMPM County **Rio Arriba**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**7185' GR**

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: **12** mil Below-Grade Tank: Volume **bbbs;** Construction Material

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

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>
OTHER: <b>New Drill Pit</b> <input checked="" type="checkbox"/>	

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

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**

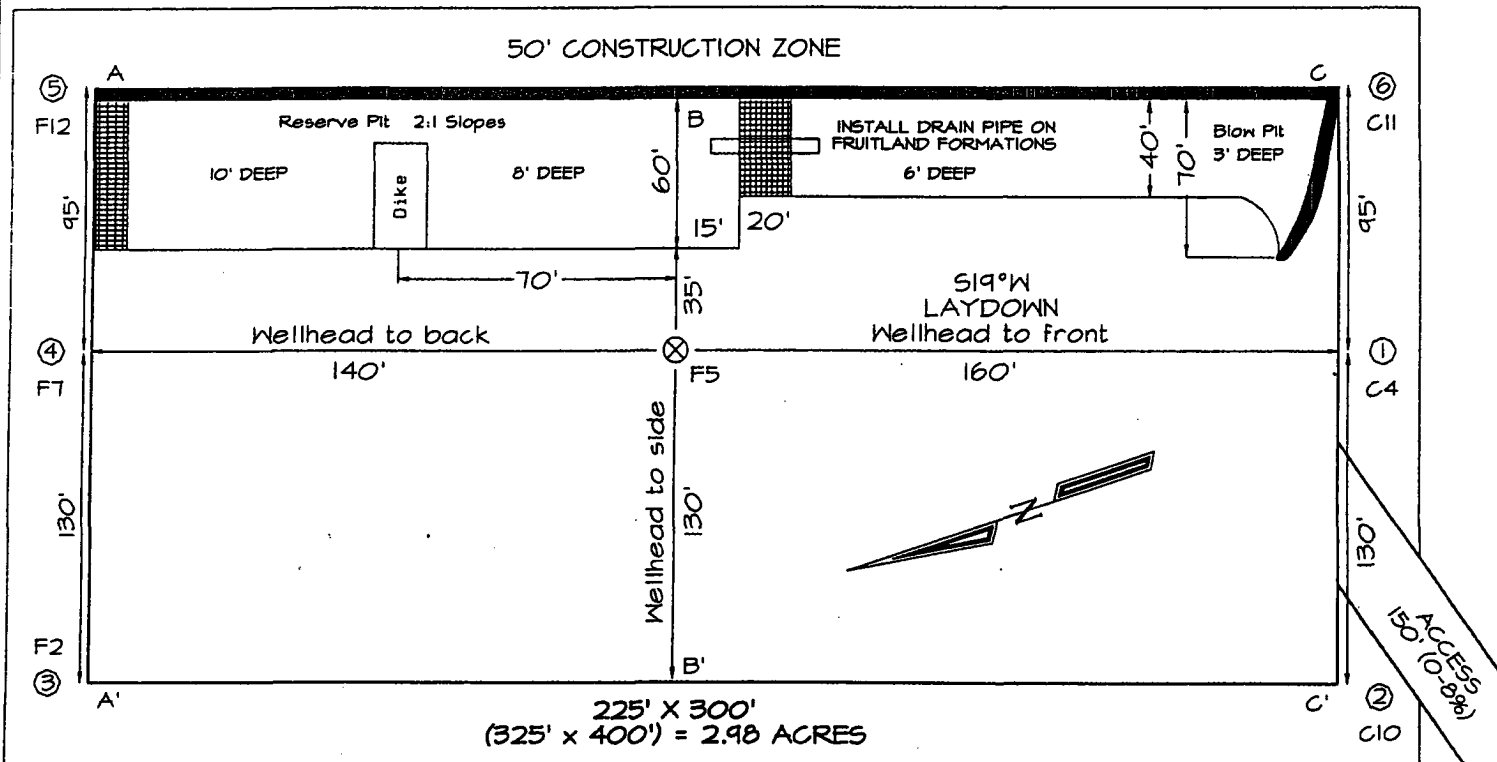
APPROVED BY *[Signature]* TITLE **DEPUTY OIL & GAS INSPECTOR, DIST. 4** DATE **APR 03 2006**

Conditions of Approval (if any):

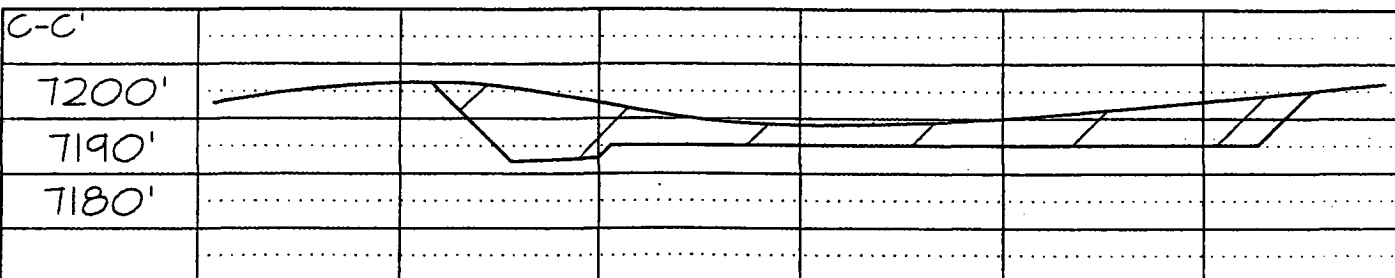
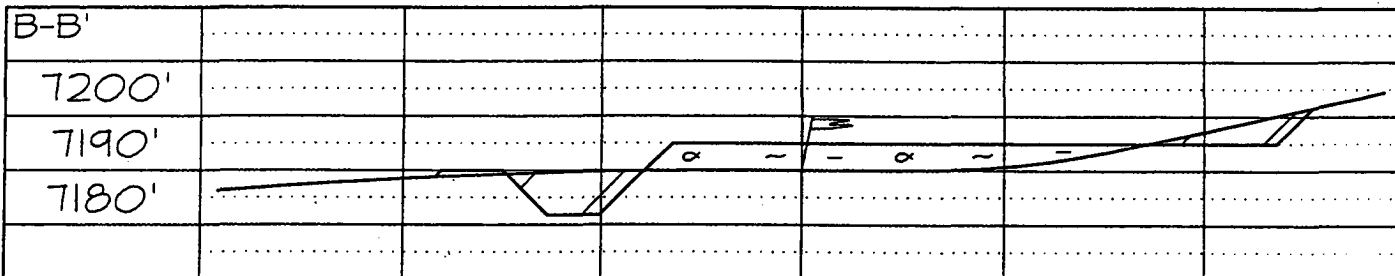
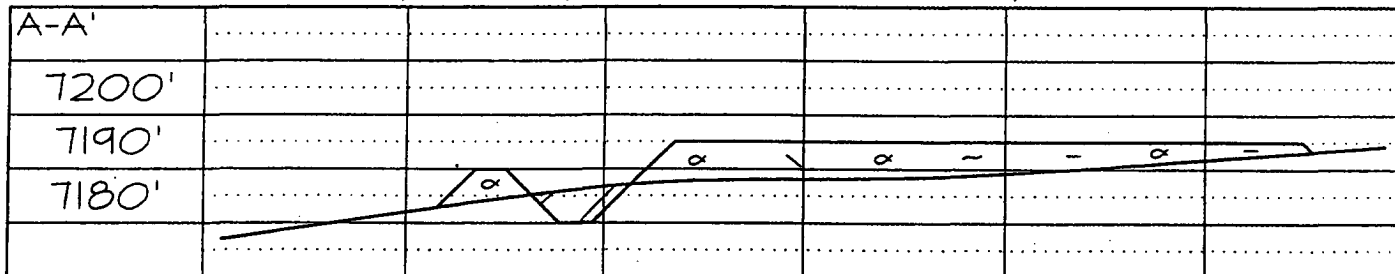
PLAT #

BURLINGTON RESOURCES OIL & GAS COMPANY, LP  
 SAN JUAN 27-4 UNIT #102N, 2390' FNL & 460' FEL  
 SECTION 33, T27N, R4W, NMPM, RIO ARriba COUNTY, NM  
 GROUND ELEVATION: 7185' DATE: JULY 15, 2004

LATITUDE: 36°31'50"  
 LONGITUDE: 107°14'55"  
 DATUM: NAD1927



Reserve Pit DiKE: 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 #102N

**Location:** Unit H (SENE/4), 2390' FNL & 460' FEL, Section 33, T27N, R4W  
Rio Arriba County, NM

Latitude 36° 31.8302' N, Longitude 107° 14.9085' W

**Formation:** Blanco Mesaverde/Basin Dakota

**Total Depth:** 8401'

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

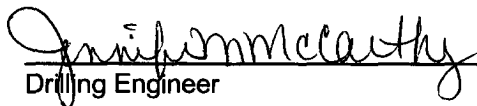
**Mud Program:** See San Juan 27-4 Unit Master Operations Plan

**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' - 4189	7"	20.0#	J-55	938	cu.ft
6 1/4	0' - 8401	4.5"	10.5#/11.6#	J-55	573	cu.ft

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

- \* The Mesaverde and Dakota formations will be completed and commingled.
- \* The east half of Section 33 is dedicated to the Mesaverde and the north 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