

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-080673
1b. Type of Well GAS	Unit Reporting Number 070 FARMINGTON NM
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name San Juan 27-4 Unit
4. Location of Well 740' FNL, 2350' FWL  Latitude 36° 36.4162'N, Longitude 107° 16.4790'W <i>Lat 4</i>	8. Farm or Lease Name San Juan 27-4 Unit
	9. Well Number 39N
10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) Sec 05, T-27-N, R-4-W API # 30-045-039 29559
14. Distance in Miles from Nearest Town Governador-20 miles	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'	
16. Acres in Lease	17. Acres Assigned to Well 319.59 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1600' DK	
19. Proposed Depth 8358'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7006 GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>Frances Bond</i> Regulatory Specialist	Date <i>5/26/05</i>

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Montoya*

TITLE *AFM*

DATE *4/12/06*

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.

NMOC

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 29559		*Pool Code 71599 / 72319	*Pool Name Basin Dakota and Basin Dakota
*Property Code 7452 ✓	*Property Name SAN JUAN 27-4 UNIT ✓		*Well Number 39N ✓
*OGRID No. 14538 ✓	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP ✓		*Elevation 7006' ✓

10 Surface Location

UL or lot no. C	Section 5	Township 27N	Range 4W	Lot Idn (4)	Feet from the 740	North/South line NORTH	Feet from the 2350	East/West line WEST	County RIO ARriba ✓
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11 Bottom Hole Location If Different From Surface

UL or lot no. C	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres MV & DK - 319.59 acres	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

16		17 OPERATOR CERTIFICATION	
<p>LOT 4</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>5</p> <p>LEASE USA SF-080673</p>		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
		Signature <i>Patsy Clugston</i>	
		Printed Name Patsy Clugston	
		Sr. Regulatory Specialist Title	
Date 10-13-04		Date	
18 SURVEYOR CERTIFICATION		19	
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 28, 2004	
Signature and Seal of Professional Surveyor		Signature and Seal of Professional Surveyor	
<p>JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269</p>		<p>JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269</p>	
Certificate Number 15269		Certificate Number 15269	

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

## OIL CONSERVATION DIVISION

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

Form C-103

May 27, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. <b>30-039-29559</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b>		6. State Oil & Gas Lease No. SF-080673
3. Address of Operator <b>3401 E. 30TH STREET, FARMINGTON, NM 87402</b>		7. Lease Name or Unit Agreement Name <b>San Juan 27-4 Unit</b>
4. Well Location Unit Letter <b>C</b> : <b>740</b> feet from the <b>North</b> line and <b>2350</b> feet from the <b>West</b> line Section <b>5</b> Township <b>27N</b> Range <b>4W</b> NMPM County <b>Rio Arriba</b>		8. Well Number <b>39N</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number <b>14538</b>
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat <b>Blanco Mesaverde/Basin Dakota</b>
Pit type <b>New Drill</b> Depth to Groundwater <b>&gt;100'</b> Distance from nearest fresh water well <b>&gt;1000'</b> Distance from nearest surface water <b>&gt;200'</b> Pit Liner Thickness: <b>na</b> mil Below-Grade Tank: <b>Volume</b> <b>1000'</b> 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 ☐

OTHER: **New Drill** ☒

#### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

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 blow/flare pit. Based on Burlington's interpretation of the OCD's risk ranking criteria, the new drilling pit and blow/flare pit will be an unlined pit as detailed in Burlington's Drilling / Workover Pit Construction / Operation Procedures dated April 26, 2004 on file at the NMOCD office. A portion of the blow/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 Frances Bond TITLE Regulatory Specialist DATE 02/23/2005

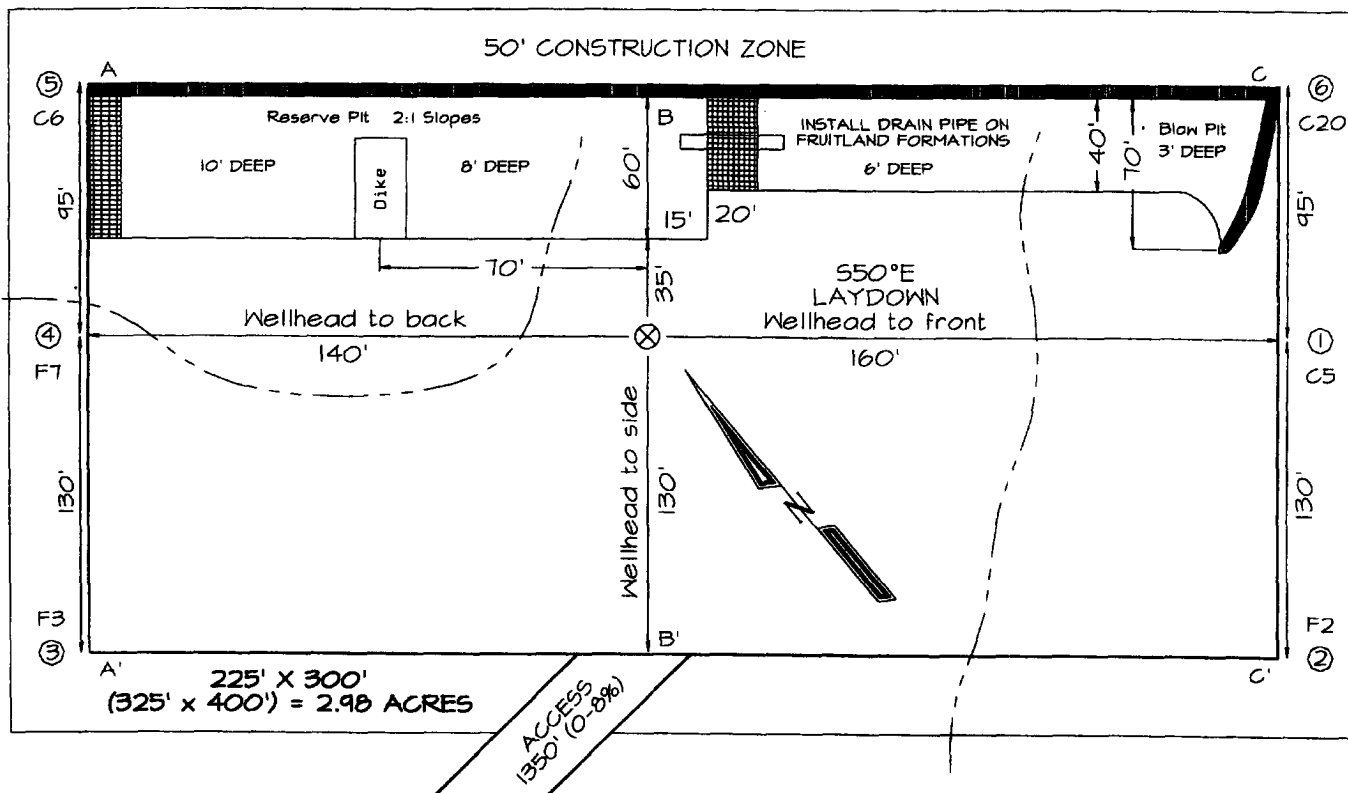
Type or print name Frances Bond E-mail address: fbond@br-inc.com Telephone No. 505-326-9847  
**For State Use Only**

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 23 DATE APR 14 2006  
 Conditions of Approval (if any):

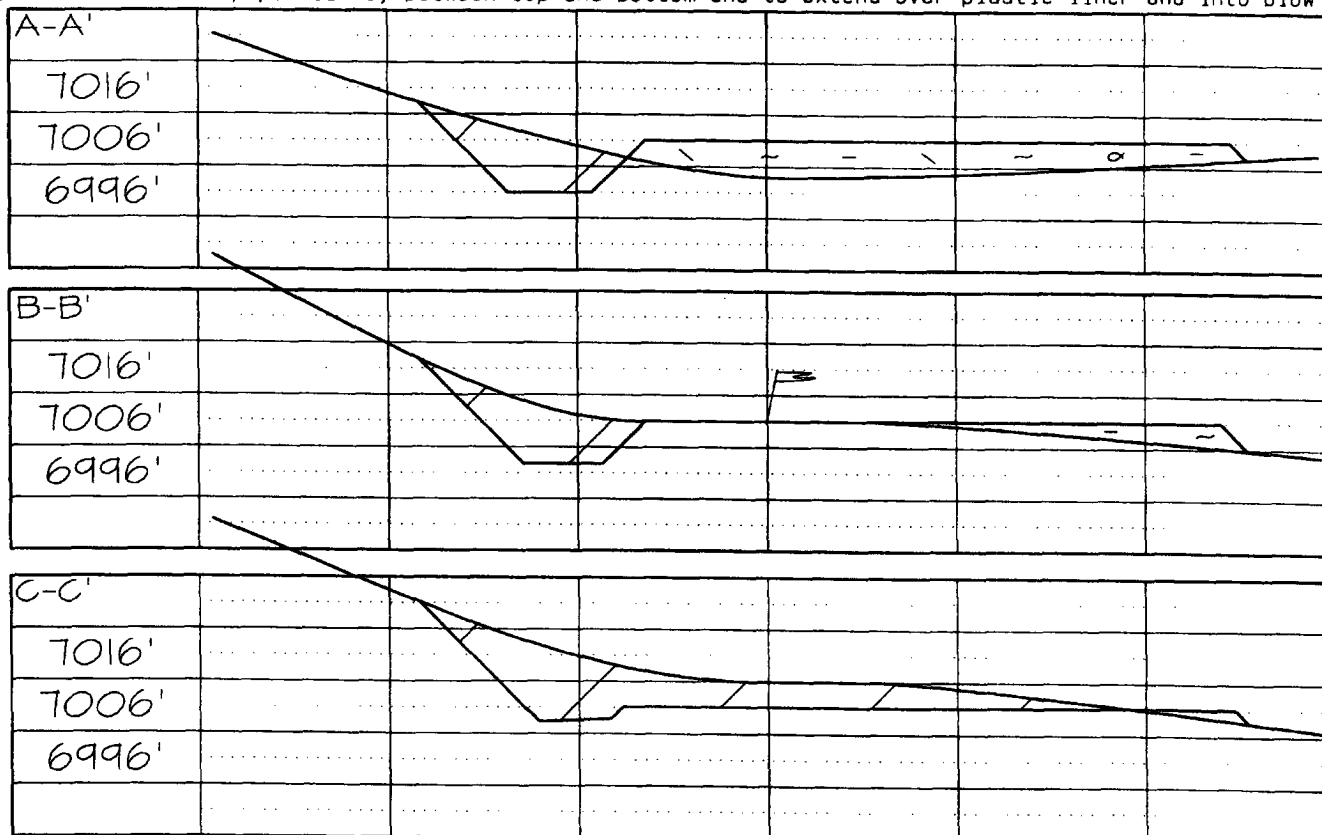
PLAT #1

**BURLINGTON RESOURCES OIL & GAS COMPANY, LP**  
**SAN JUAN 27-4 UNIT #39N, 740' FNL & 2350' FWL**  
**SECTION 5, T27N, R4W, NMPM, RIO ARriba COUNTY, NM**  
**GROUND ELEVATION: 7006' DATE: JANUARY 21, 2005**

**LATITUDE: 36°36'25"**  
**LONGITUDE: 107°16'29"**  
 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 #39N

**Location:** 740' FNL, 2350' FWL, Sec 5, T-27-N, R-4-W  
Rio Arriba County, NM

Latitude 36° 36.36.4162'N, Longitude 107° 16.4790'W

**Formation:** Blanco Mesaverde/Basin Dakota

**Total Depth:** 8358

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

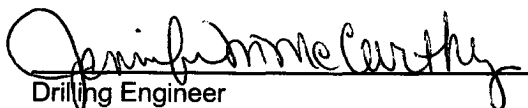
**Mud Program:** See San Juan 27-4 Unit Master Operations Plan

**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' -	4113	7"	20.0#	J-55	921 cu.ft
6 1/4	0	8358	4.5"	10.50/11.6#	J-55/L-80	578 cu.ft

**Tubing Program:** See San Juan 27-5 Unit Master Operations Plan

- \* The Mesaverde and Dakota formations will be completed and commingled.
- \* The west half of Section 5 is dedicated to the Mesaverde and the Dakota formation in this well.
- \* Gas is dedicated.

  
Drilling Engineer

3-8-05  
Date

\*Assumption  
Lewis 100