

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 2006

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2005 AUG 22 PM 2 18 RECEIVED OTO FARMINGTON	5. Lease Number NMSF-079250 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700		8. Farm or Lease Name San Juan 28-5 Unit 9. Well Number #89F
4. Location of Well Unit L (NWSW), 1600' FSL & 940' FWL,  Latitude 36° 55.7922'N Longitude 108° 05.3137'W  Lot 4		10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T28N, R05W API # 30-039-30044
14. Distance in Miles from Nearest Town	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 940'		
16. Acres in Lease	17. Acres Assigned to Well DK 317.46 R-2948	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease Twinned with the SJ 28-5 #19		
19. Proposed Depth 8072'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6665' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clayton</u> Sr. Regulatory Specialist	Date <u>8/30/06</u>	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE AFM DATE 9/6/06

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.

NMOCB

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

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

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, NM 87505

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- 30044	*Pool Code 71599	*Pool Name Bain DAKOTA
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT	*Well Number 89 F
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES O&G CO LP	*Elevation 6665'

<sup>10</sup> Surface Location

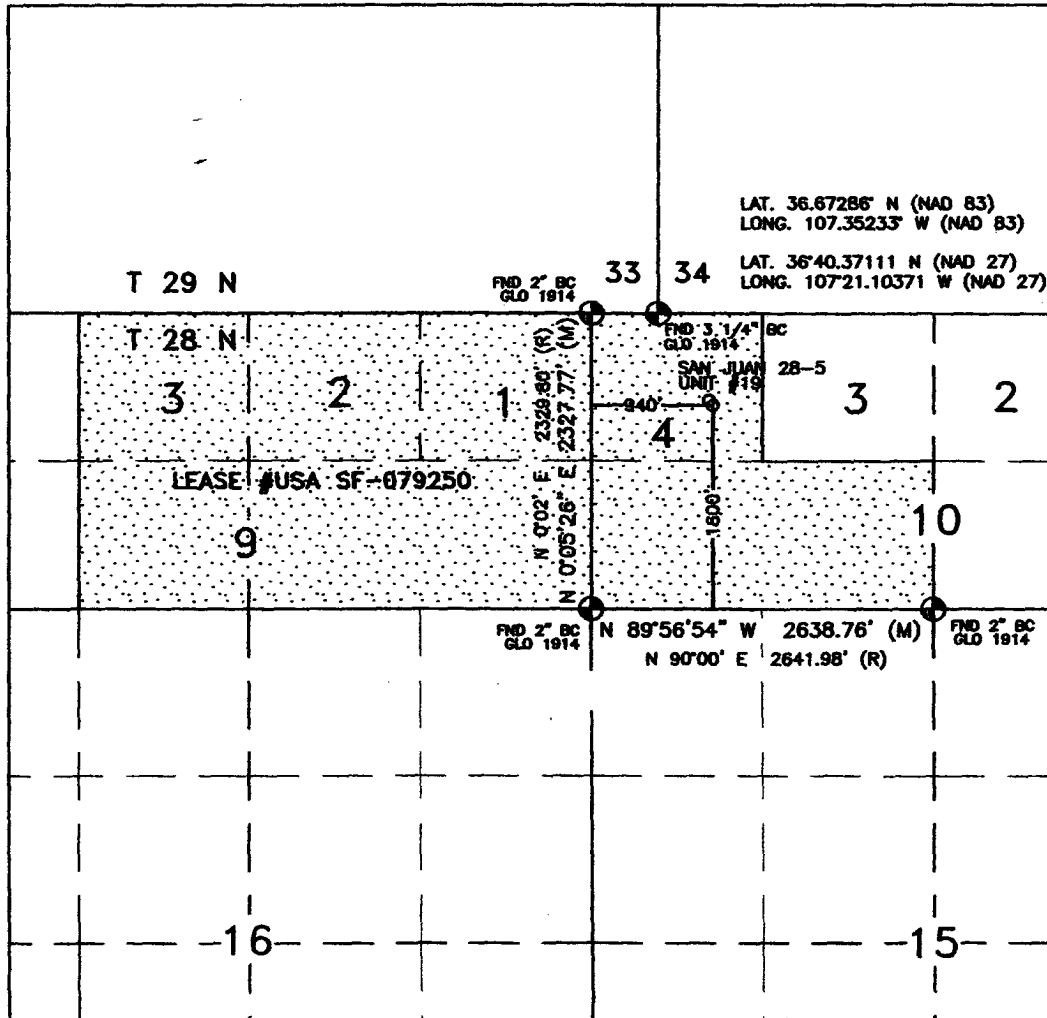
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	28N	5W	4	1600'	SOUTH	940'	WEST	RIO ARRIBA

<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
L									
Dedicated Acres 317.46 Acres			Joint or Infill		Consolidation Code		Order No. R-2948 NSP		

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



<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

*Patsy Clugston*  
Signature  
Patsy Clugston  
Printed Name  
Sr. Regulatory Specialist  
Title  
7-24-06  
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.

JUNE 28, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

*David R. Russell*



DAVID RUSSELL

Certificate Number

10201

District I

Energy, Minerals and Natural Resources

May 27, 2004

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- 30044
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease - NMSF-079250

<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.)	7. Lease Name or Unit Agreement Name
	San Juan 28-5 Unit

1. Type of Well:	Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	8. Well Number	#89F
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2. Name of Operator	BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. OGRID Number	14538
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3. Address of Operator	3401 E. 30TH STREET, FARMINGTON, NM 87402	10. Pool name or Wildcat	Basin Dakota
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4. Well Location	Unit Letter <u>L</u> : <u>1600</u> feet from the <u>South</u> line and <u>940</u> feet from the <u>West</u> line
	Section <u>10</u> Township <u>29N</u> Rng <u>5W</u> NMPM County <u>Rio Arriba</u>

11. Elevation (Show whether DR, RKB, RT, GR, etc.)	6665' GL
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Pit or Below-grade Tank Application	<input type="checkbox"/> or Closure <input type="checkbox"/>
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Pit type	New Drill	Depth to Groundwater	<50'	Distance from nearest fresh water well	>1000'	Distance from nearest surface water	>200'
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	<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"/>

**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:	New Drill	<input checked="" type="checkbox"/>	OTHER:	<input type="checkbox"/>
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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 Analyst DATE 8/15/2006

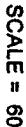
Type or print name Patsy Clugston E-mail address: plcugston@br-inc.com Telephone No. 505-326-9518  
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 61 DATE SEP 08 2006  
Conditions of Approval (if any):

**BURLINGTON RESOURCES O&G CO LP**

**1600' FSL & 940' FWL**

SCALE = 60'



NOTE: RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). RUSSELL SURVEYING, INC. 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, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

**Russell Surveying**  
1409 W. Aztec Blvd. #5  
Aztec, New Mexico 87410  
(505) 334-8637

**FINISHED PAD ELEVATION: 6664.8', NAVD 88**

**Russell Surveying**  
1409 W. Aztec Blvd. #5  
Aztec, New Mexico 87410  
(505) 334-8637

## OPERATIONS PLAN

**Well Name:** San Juan 28-5 Unit #89F  
**Location:** 1600' FSL & 940' FWL, Ssec. 10, T28N, R4W  
Rio Arriba County, NM  
Latitude 36° 40.37111'N, Longitude 107° 21.10371'W  
**Formation:** Basin Dakota  
**Total Depth:** 8072'

**Logging Program:** See San Juan 28-5 Unit Master Operations Plan

**Mud Program:** See San Juan 28-5 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' - 3839	7"	20.0#	J-55	859	cu.ft
6 1/4	0' - 8072	4.5" *	10.5#	J-55	576	cu.ft

\* Note - Will use 4.5# 11.6#, N-80 casing from 7800' to TD

**Tubing Program:** See San Juan 28-5 Unit Master Operations Plan

- \* The Dakota formations will be completed and commingled.
- \* Lots 1, 2, 3 and the SE/SW/4 and S/2 of SW/4 of Section 9 along with Lots 4 and the S2 of SW/4 of Sec. 10 is dedicated to the Mesaverde and the Dakota formation in this well.
- \* Gas is dedicated.

Drilling Engineer

Date

8/17/06

\*Assumption

Lewis 100

C. HARRADEN/ August 23, 2006 CH

BURLINGTON RESOURCES/ San Juan 28-5 Unit #89F APD

STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.