

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL

2005 FEB 2 PM 1 54

5. Lease Number  
NMNM012710  
Unit Reporting Number

RECEIVED  
070 FARMINGTON NM

1b. Type of Well  
GAS

6. If Indian, All. or Tribe

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

7. Unit Agreement Name  
San Juan 30-6 Unit

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

8. Farm or Lease Name

9. Well Number  
419S

4. Location of Well  
Unit J (NWSE), 1655' FSL & 1690' FEL

10. Field, Pool, Wildcat  
Basin Fruitland Coal

Latitude 36° 49.4640' N  
Longitude 107° 32.1893' W

11. Sec., Twn, Rge, Mer. (NMPM)  
Sec. 11, T30N, R7W

API # 30-039-

29438

14. Distance in Miles from Nearest Town  
14 miles from Navajo City

12. County  
Rio Arriba ✓  
13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
1655'

16. Acres in Lease

17. Acres Assigned to Well  
FC - E/2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease  
600' MV/DK - SJ 30-6 #64A

19. Proposed Depth  
3362'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6367' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Patsy Chugh  
Sr. Regulatory Specialist

Date

2/2/05

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 3-18-05

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 1004, 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.

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

NMOC

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
GENERAL REQUIREMENTS

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

2005 FEB 2 PM 1 54 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT  
070 FARMINGTON NM

*API Number 30-039- 29438	*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT	*Well Number 419S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6367

10 Surface Location

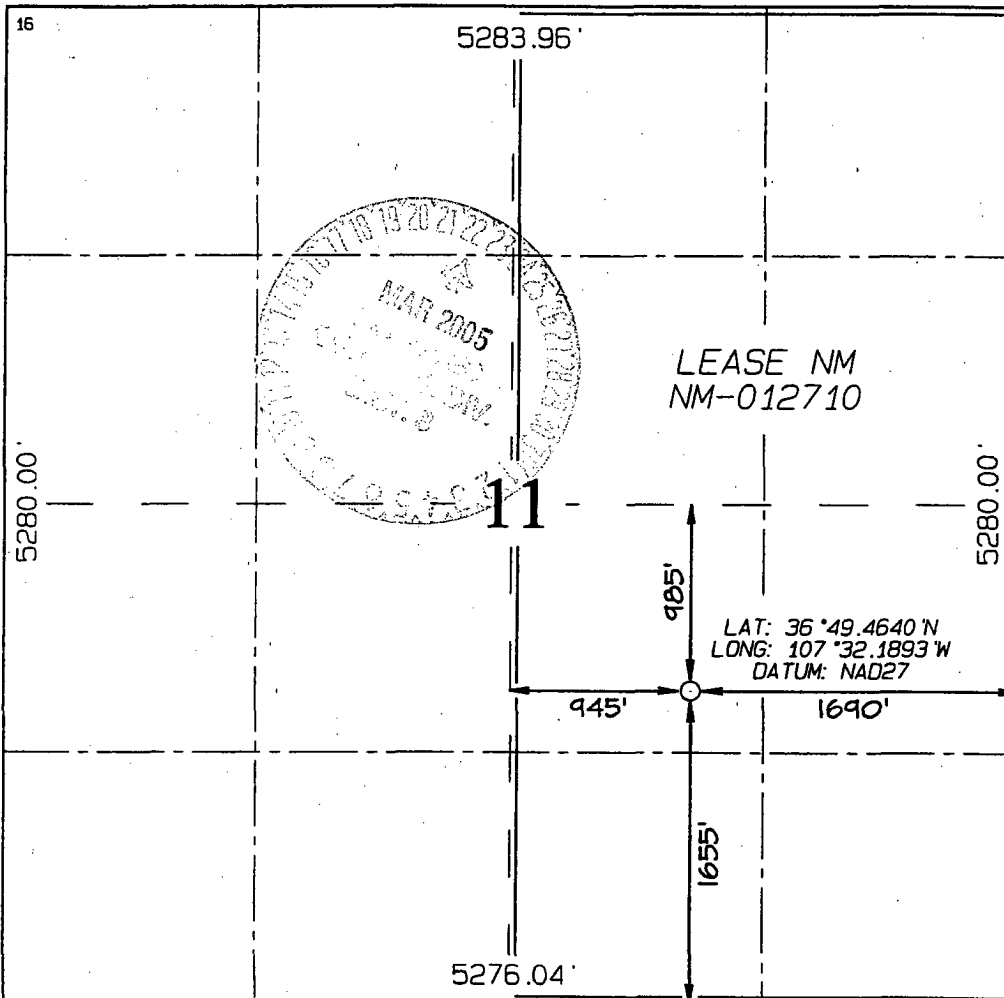
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	11	30N	7W		1655	SOUTH	1690	EAST	RIO ARriba

11 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
J									

12 Dedicated Acres 320 E/2	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



17 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

12-10-04  
Date

18 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.

Survey Date: NOVEMBER 6, 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-
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease - NMNM-012710
7. Lease Name or Unit Agreement Name	San Juan 30-6 Unit
8. Well Number	#419S
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Fruitland Coal 71629

**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 J : 1655 feet from the South line and 1690' feet from the East line  
Section 11 Township 30N Range 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6367' GL

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        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 Pit ☒

**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.

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.

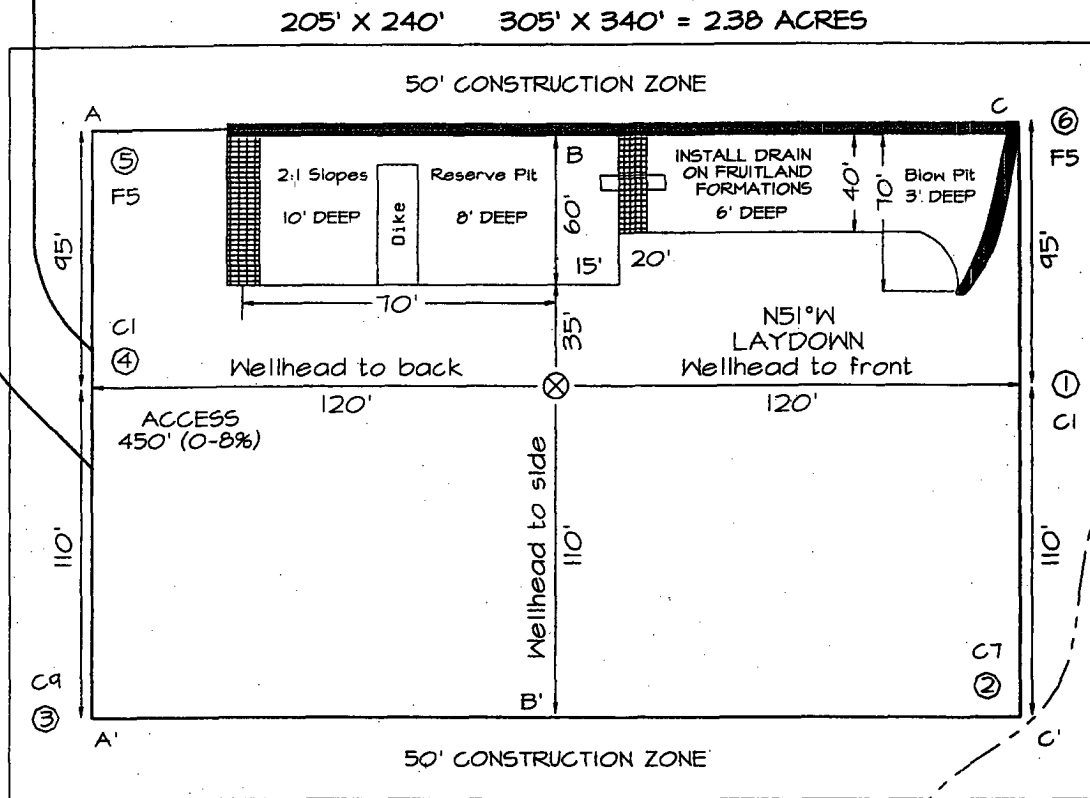
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Specialist DATE 1/31/2005

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

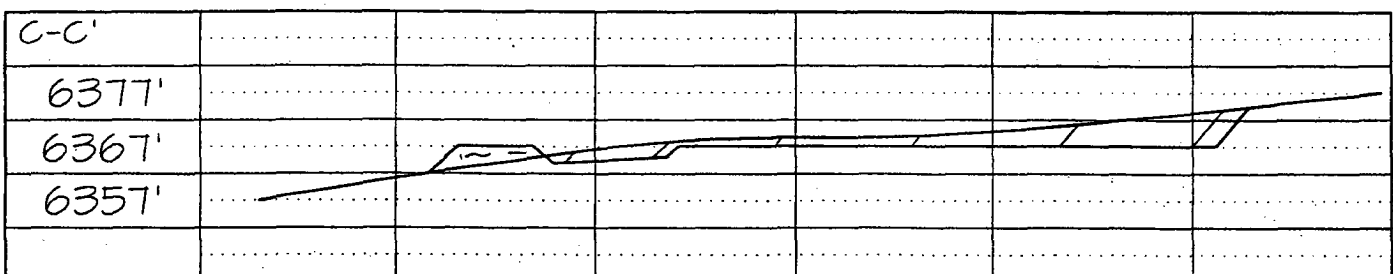
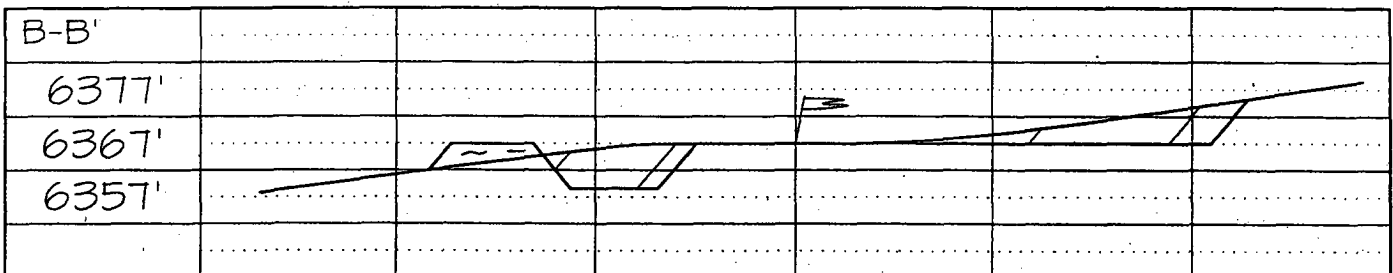
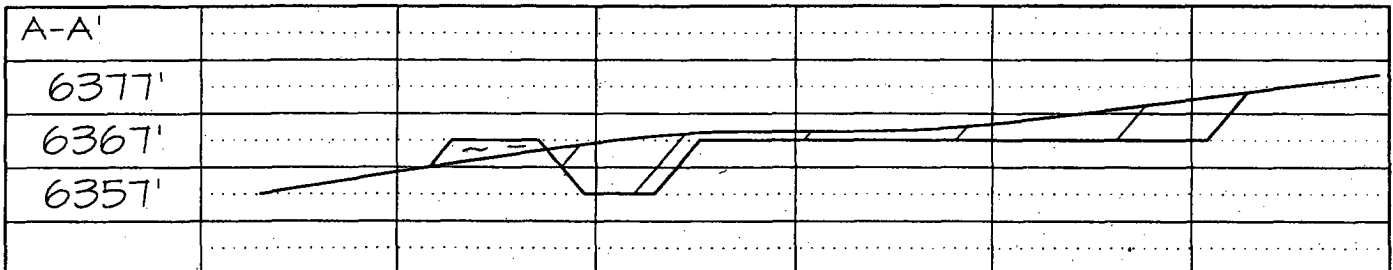
APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV DATE MAR 22 2005  
Conditions of Approval (if any)

**BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 30-6 UNIT #419S**  
**1655' FSL & 1690' FEL, SECTION 11, T30N, R7W, NMPM, RIO ARriba COUNTY, NM**  
**GROUND ELEVATION: 6367' DATE: NOVEMBER 6, 2004**



**LATITUDE: 36°49'28"**  
**LONGITUDE: 107°32'11"**  
 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 30-6 Unit #419S

**Location:** 1655' FSL & 1690' FEL; Sec. 11, T30N, R7W  
Rio Arriba County, NM

Latitude 36° 49.4640'N, Longitude 107° 32.1893'W

**Formation:** Basin Fruitland Coal

**Total Depth:** 3362'

**Burlington Resources is requesting a sump on this well.**

**Logging Program:** See San Juan 30-6 Unit Wells Master Operations Plan

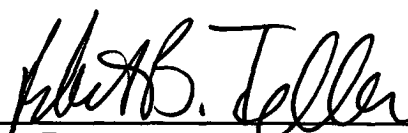
**Mud Program:** See San Juan 30-6 Unit Wells Master Operations Plan

**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' - 2969	7"	20.0#	J-55	663 cu.ft
6 1/4	2949 - 3362	5 1/2"	15.5#	J-55	uncemented

**Tubing Program:** See San Juan 30-6 Unit Wells Master Operations Plan

- \* The Fruitland Coal formation will be completed.
- \* The east half of Section 11 is dedicated to the Fruitland Coal formation in this well.
- \* Gas is dedicated.

  
\_\_\_\_\_  
Drilling Engineer

2-1-05  
\_\_\_\_\_  
Date