

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number 2003 JUL -1 PM 1:33 NMSF-078423 Unit Reporting Number 891001650C070 Farmington, NM
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	7. Unit Agreement Name San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit 9. Well Number 550S
4. Location of Well 2332' FSL, 1109' FEL Latitude 36° 44.36, Longitude 107° 32.07	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 11, T-29-N, R-7-W API # 30-039- 29202
14. Distance in Miles from Nearest Town 22 miles from Blanco	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1109'	
16. Acres in Lease	17. Acres Assigned to Well 320 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1167'	
19. Proposed Depth 3789'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6329' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u><i>Reggie Cole</i></u> Regulatory/Compliance Supervisor	<u>5-2-03</u> Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY /s/ David J. Mankiewicz

TITLE _____

DATE DEC - 9 2003

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

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".

NMOCED

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
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

¹ API Number 30-039- 29202	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 550S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS, INC.	⁹ Elevation 6329'

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
1	11	29-N	7-W		2332'	SOUTH	1109'	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
¹² Dedicated Acres ETC-E/320			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

<p>16</p> <p>USA SF-078423</p> <p>PREHN, KARL M. ET UX</p> <p>SOENS, ADOLPH ET UX</p> <p>DEC 2003 RECEIVED OIL CONSERV. DIV. DIST. 3</p> <p>LAT. 36°44.3624' N (NAD 27) LONG. 107°32.0679' W</p> <p>070 Farmington, NM</p> <p>FD 2 1/2" G.L.O. BC 1913</p> <p>RECEIVED</p>		<p>17 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>Peggy Cole</i> Signature Peggy Cole Printed Name Regulatory Supervisor Title 5-2-03 Date</p> <p>18 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>4-01-03 Date of Survey Signature and Seal of Professional Surveyor 14827 Certificate Number</p>
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

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

4. Location of Well, Footage, Sec., T, R, M
2332' FSL, 1109' FEL, Sec. 11, T-29-N, R-7-W, NMPM

5. Lease Number
NMSF-078423
If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. San Juan 29-7 Unit
Well Name & Number
San Juan 29-7 U #550S
9. API Well No.
30-039-29202
10. Field and Pool
Basin Fruitland Coal
11. County and State
Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other -

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Attached is a revised operations plan for the subject well.

14. I hereby certify that the foregoing is true and correct.

Signed David J. Mankiewicz Title Regulatory Supervisor Date 7/8/03

(This space for Federal or State Office use)

APPROVED BY David J. Mankiewicz Title _____ Date DEC - 9 2003

CONDITION OF APPROVAL, if any:

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #550S
Location: 2332' FSL, 1109' FEL, Section 11, T-29-N, R-7-W
Latitude 36° 44.3624, Longitude 107° 32.0679
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6329' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2254'	
Ojo Alamo	2254'	2372'	aquifer
Kirtland	2372'	2799'	gas
Fruitland	2799'	2948'	gas
Intermediate casing	2898'		
Top of Coal	2948'	3183'	
Base of Coal	3183'		
Pictured Cliffs	3192'		
Total Depth	3268'		

Logging Program:

Open hole - none
Mud log - TD to 2898'

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2898'	Non-dispersed	8.4-9.0	30-60	no control
2898-3268'	Air/mist			no control

Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2898'	7"	20.0#	J-55
6 1/4"	2898' - 3268'	open hole		

Alternate Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2898'	7"	20.0#	J-55
6 1/4"	2798' - 3268'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3268' 2 3/8" 4.7# J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2372'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 56 sx Class A, B Portland Type I, II cement (80 cu.ft. of slurry, bring cement to surface) or equivalent. Wait on cement for 24 hours for pre-set holes or 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test BOP and casing to 600 psi for 30 minutes.

7" intermediate casing - lead w/248 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sacks Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (653 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 600 psi/30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test BOP and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland is 500 psi.
- This gas is dedicated.
- The east half of Section 11 is dedicated to this well.

Drilling Engineer:

John J. McCarthy

Date:

July 14, 2003