

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

2003 JAN 30 PM 1:29
070 Farmington, NM

1a. Type of Work DRILL	5. Lease Number NMSF-079383 Unit Reporting Number 891000538A	
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 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 30-6 Unit 9. Well Number 426S	
4. Location of Well 1775' FNL, 1530' FWL Latitude 36° 46.2915, Longitude 107° 33.6890	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec, Twn, Rge, Mer. (NMPM) F Sec. 34, T-30-N, R-7-W API # 30-039- 27304	
14. Distance in Miles from Nearest Town 9 miles from Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1530'	17. Acres Assigned to Well 320 W/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 75'	
19. Proposed Depth 3141'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6294'	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u><i>[Signature]</i></u> Regulatory/Compliance Supervisor	<u>1-28-03</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ David J. Mankiewicz

TITLE

DATE

APR 15 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.

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.8
and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 27304		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 426S
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6294'

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
F	34	30N	7W		1775	NORTH	1530	WEST	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 FTC-W/320	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 <p>5276.04'</p> <p>1775'</p> <p>1530'</p> <p>1090'</p> <p>855'</p> <p>5280.00'</p> <p>34</p> <p>USA SF-079383</p> <p>070 Farmington, NM</p> <p>62:1 PM 30 JAN 2003</p> <p>5280.00'</p>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Peggy Cole Printed Name Regulatory Supervisor Title 1-28-03 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: DECEMBER 3, 2002 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #426S
Location: 1775' FNL, 1530' FWL, Section 34, T-30-N, R-7-W
Latitude 36° 46.2915, Longitude 107° 33.6890
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6294' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2239'	
Ojo Alamo	2239'	2347'	aquifer
Kirtland	2347'	2720'	gas
Fruitland	2720'	2972'	gas
Intermediate casing	2922'		
Top of Coal	2972'	3141'	
Base of Coal	3141'		
Pictured Cliffs	3142'		
Total Depth	3141'		

Logging Program:

Open hole - None
Mud log - TD to intermediate casing

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2922'	Non-dispersed	8.4-9.0	30-60	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' - 2922'	7"	20.0#	J-55
6 1/4"	2922' - 3141'	open hole		

Tubing Program:

0' - 3141'	2 3/8"	4.7#	J-55
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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 @ 2269'. 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" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 27 sx Class A, B Portland Type I, II cement (38 cu.ft. of slurry, to bring cement to surface). WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing. Test casing to 600 psi/30 minutes.

7" intermediate casing - lead w/323 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 (812 cu.ft., 100% excess to circulate to surface).

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 rams to 600#/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 blind rams and casing to 2500 psi for 30 minutes; all pipe rams and casing to 2500 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 west half of section 34 is dedicated to this well.

Drilling Engineer:

Eric J. Giles

Date:

1/29/03