# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

a.	Type of Work	5. Lease Number
	DRILL	NMSF-078215
•	178 19 20	Unit Reporting Number Farming Ic
b.	Type of Well	6. If Indian, All. or Tribe
	GAS JAN 2	1. S.
2.	Operator	7. Unit Agreement Name
	BURLINGTON RESCURCES Oil & Gas Company	
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	Page
	(505) 206 0500	9. Well Number
	(505) 326-9700	101S
4.	Location of Well	10. Field, Pool, Wildcat
	980'FSL, 1095'FEL	Basin Fruitland Coal
	**************************************	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 58.8401'N, Longitude 107° 59	5.0307'W <b>P</b> Sec.18, T-32-N, R-10-W API# <b>30-045-</b>
4.	Distance in Miles from Nearest Town	12. County 13. State
· • •	16.8 miles to Aztec, NM P.O.	San Juan NM
	20,0 111200 00 112000, 1111 1.01	141
15.	Distance from Proposed Location to Nearest Property or 980'	Lease Line
16.	Acres in Lease	17. Acres Assigned to Well 328.13 S/2
18.	Distance from Proposed Location to Nearest Well, Drlg, G	Compl, or Applied for on this Lease
19.	21' Proposed Depth	20. Betom or Cable Table
<b>3</b> .	3210'	20. Rotary or Cable Tools  Rotary
	342,5	Rocaly
21.	Elevations (DF, FT, GR, Etc.) 6380' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	
	10-11	10 11 00
24.	Authorized by:   Ammy   WM SONT	$\frac{1}{\text{List}} \qquad \frac{12-16-03}{\text{Date}}$
	regulatory/ compliance special	Date Date
ERM	IT NO APPRO	OVAL DATE
	OVED BYS David J. Mankiewicz TITLE	DATE JAN 1 4 200

**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.

This action is a cubic attributiniosi and process trainers swip pursuant to 43 OFR 3165.3 and appeal pursuant to 43 OFR 3165.4

NWOCD

DRILLING FOR RETURNS AUTHORIZED ARE SUBJECT TO GOVERNMENT WITH ATTACHED "GENERAL REQUIREMENTS".

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 Brasos Rd., Astee, N.M. 87410

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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

DISTRICT IV

AMENDED REPORT

STREET IV 140 South Pache	eco, Santa	-		<b>ሰ</b> ሮ ለሚገር	N AND	ለ ሮውሞ ለ	GE DEDI	[ሮ ለጥ	ION DI		MENDED RE	-Or
	Number		7162	Pool Code			Fruitland		Pool Name		<u> </u>	
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<sup>4</sup> Property Code 18595				-	rty Name			• Well Number				
		·				AGE					1015	
OGRID No	<b>.</b>				•	tor Name				· •	* Elevation	
14538				BURLINGT	ON RESOU	RCES OI	L & GAS, I	NC.			6380'	
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S 86-41-41 W 2818.23' (M)

1969

1969

## OPERATIONS PLAN

Well Name: Page #101S

Location: 980'FSL, 1095'FEL Section 18, T-32-N, R-10-W

Latitude 36° 58.8401'N, Longitude 107° 55.0301'W

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6380'GR

Formation:	Тор	Bottom	Contents
Surface	San Jose	1617'	
Ojo Alamo	1617'	1683'	aquifer
Kirtland	1683'	2577'	
Fruitland	2577 '	2837 '	
Intermediate TD	2817 '		÷
Fruitland Coal	2837 '	3125'	gas
B/Basal Coal	3125'	3132'	gas
Pictured Cliffs	3132'		•
Total Depth	3210'		

Logging Program: none Mudlog: from 7" to TD Coring Program: none

### Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-9.0	40-50	no control
120-2817'	Non-dispersed	8.4-9.0	30-60	no control
2817-3210′	Air/Mist			

# 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' - 2817'	7"	20.0#	J-55
6 1/4"	2817' - 3210'	open ho	le	

# 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' - 2817'	7"	20.0#	J-55
6 1/4"	2777' - 3210'	5 1/2"	15.5#	J-55

#### Tubing Program:

**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 @ 1683'. 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 -

Pre-Set Drilled Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (37 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled

Cement with 80 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure tessting or drilling out from under surface.

Waive the 6 hours WOC in lieu of 4 hours prior to NU of BOPE.

7" intermediate casing - lead w/252 sacks Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack flocele, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks Type III cmt with 1% calcium chloride, 1/4#/sack flocele and 0.2% FL-52 (660 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 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 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 less than 500 psi.
- \* This gas is dedicated.
- \* The south half of Section 18 is dedicated to the Fruitland Coal.

Date: 12-15-03

Drilling Engineer:

Januframmelanthy