

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

2004 JAN 13 PM 2:45

Sundry Notices and Reports on Wells

070 Farmington, NM

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON**

RESOURCES OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

885' FNL, 1355' FEL, Sec.13, T-31-N, R-13-W, NMPM

5. Lease Number  
NMSF-078707

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Duke #100

9. API Well No.  
30-045-30476

10. Field and Pool  
Basin Fruitland Coal

11. County and State  
San Juan Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other -

13. Describe Proposed or Completed Operations

It is intended to deepen this existing Fruitland Coal well according to the attached procedure and wellbore diagram.



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

Signed Tammy Kimsett Title Regulatory Specialist Date 1/12/04

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_

Date JAN 14 2004

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOCD

**Duke 100**  
885' FNL, 1355' FEL  
Unit B, Section 13, T31N, R13W  
San Juan County, NM

**Sundry Procedure**

It is intended to deepen this existing Basin Fruitland Coal well to just above the bottom float collar at 2155'. As currently configured, the Duke 100 has only 15' of rathole between the bottom perforation and PBTD. As a result, the pump fills with debris and does not function properly, not allowing the well to be pumped down continuously. By deepening this well, enough rathole should exist to allow efficient placement of the pump without frequent sand fill.

1. MIRU. TOOH with rods and pump. TOOH with tubing.
2. MU 3-7/8" bit on tubing and clean out to PBTD at 2113'.
3. Drill 42' of cement to new PBTD of +/- 2155'. TOOH with tubing and bit.
4. TIH with tubing and land +/- 2140. TIH with pump and rods. RDMO.

# BURLINGTON RESOURCES

## Pertinent Data Sheet

Duke #100

GENERAL INFORMATION:							
<b>LOCATION:</b>		885' FNL, 1355' FEL Unit B, Section 13, T31N, R13W San Juan County, NM			<b>DATE:</b>		12/31/2003
					<b>ELEVATION:</b>		GL: 5,808' KB: 5,820'
<b>FIELD:</b>		Basin Fruitland Coal			<b>API:</b>		3004530476
		Current Proposed					
<b>PBTD:</b>		2,113' 2,155'			<b>LATITUDE:</b> 36 deg 54.30' min		
<b>TD:</b>		2,167' 2,167'			<b>LONGITUDE:</b> 108 deg 9.00' min		
<b>SPUD DATE:</b>		3/26/01			<b>COMPLETION DATE:</b>		5/21/01
CASING RECORD:							
HOLE SIZE	CSG SIZE	WEIGHT (#s)	GRADE	DEPTH SET	STAGE	DVT	CMT TOP
9-7/8"	7"	20#	J-55	141'			circ to surf
6-1/4"	4-1/2"	10.5	J-56	2,157'			circ to surf
TUBING RECORD:							
TBG SIZE	WEIGHT (#s)	GRADE	# JTS	DEPTH SET	SN	BOTTOM HOLE ASSEMBLY	
<u>Proposed</u>							
2-3/8"	4.7	J-55	67	2,140'	2,087'	1 - 2.375 Bull plug, 1 - 2.375 Jt 1 - 2.375 collar size gas separator, 1 - SN 67 - Jts 2.375 4.7# J-55 TBG	
<u>Current</u>							
2-3/8"	4.7	J-55	63	2,098'	2,077'	Purge valve, 2 2-3/8" pup joints (8', 8'), 1 perf pup joint (4'), SN, 63 - Jts 2.375 4.7# J-55 TBG	
<u>ROD SIZE</u>	<u>WEIGHT (#s)</u>	<u>GRADE</u>	<u># JTS</u>	<u>DEPTH SET</u>	<u>SN</u>	<u>BOTTOM HOLE ASSEMBLY</u>	
<u>Proposed</u>							
3/4"			81			2 x 1-1/2 x 14' RWAC-Z sand pump, 3 1-1/4" sinker bars, 81 3/4" rods, 1 polished rod with	
<u>Current</u>							
3/4"			79			4' sand screen, 2 x 1-1/2 x 14' RWAC-Z sand pump, 3 1-1/4" sinker bars, 79 3/4" rods, 1 pony rod (2')	
FORMATION TOPS:							
Ojo Alamo			Chacra			Gallup	
Kirtland			Cliffhouse			Greenhorn	
Fruitland	1758'		Menefee			Graneros	
Pictured Cliffs	2120'		Point Lookout			Dakota	
Heur Bent.			Mancos			Morrison	
*300 ft above Huerfano Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra Line)							
LOGGING RECORD:							
Cased Hole Previously Run:		CCL/GR/CBL			Open Hole Previously run:		Platform Express
STIMULATION (proposed):							
Stage:	Perfs	Formation:	Sand Vol:	Fluid Vol	Rate:	Type:	
(Current)							
1	1853' - 2098'	Fruitland Coal	67,000#	9,912 gal	40-bpm	70Q foamed 20# linear gel	
WORKOVER HISTORY:							
CONTACT INFORMATION:							
		OFFICE	CELL	PAGER	HOME	FAX	
Production Engineer	Angela Ibara	326-9813	320-1070		326-9184	326-9563	
Senior Rig Supervisor	John Angvick	326-9840	320-2420		632-9501	326-9563	

**Duke #100**  
**885' FNL, 1355' FEL**  
**Unit B, Section 13, T31N, R13W**  
**San Juan County, NM**

**36 deg 54.30' min**

**108 deg 9.00' min**

**GL: 5,808'**

**KB: 5,820'**

**Current Wellbore**

**Proposed Wellbore**

**Surface Casing:**

Hole Size - 9-7/8"  
CSG - 7" 20# J-55  
Set @ 141'  
CMT Top @ circ to surf

**Surface Casing:**

Hole Size - 9-7/8"  
CSG - 7" 20# J-55  
Set @ 141'  
CMT Top @ circ to surf

**Production Casing:**

Hole Size - 6-1/4"  
Csg - 4-1/2" 10.5 J-56  
Set @ 2,157'

CMT Top @ circ to surf

**Production Casing:**

Hole Size - 6-1/4"  
Csg - 4-1/2" 10.5 J-56  
Set @ 2,157'

CMT Top @ circ to surf

**Tubing**

2-3/8" 4.7 J-55  
BHA: See Pert Data Sheet  
Set @ 2,098'  
SN @ 2,077'

**Rods**

Size 3/4"  
Jts 79

**Tubing**

2-3/8" 4.7 J-55  
BHA: See Pert Data Sheet  
Set @ 2,140'  
SN @ 2,087'

**Rods**

Size 3/4"  
Jts 81

**Current Completion:**

**Proposed Completion:**

**Fruitland Coal**

1853' - 2098'  
67000 20/40 sand  
9912 70Q foamed 20#  
linear gel

**Fruitland Coal**

1853' - 2098'  
67000 20/40 sand  
9912 70Q foamed 20#  
linear gel

PBTD= 2,113'  
TD= 2,167'

PBTD= 2,155'  
TD= 2,167'