

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

MAY 13 2013

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No. **NMNM-01614**

6. If Indian, Allottee or Tribe Name

*SUBMIT IN TRIPLICATE - Other instructions on page 2.*

1. Type of Well  
 Oil Well     Gas Well     Other

7. If Unit of CA/Agreement, Name and/or No.

2. Name of Operator  
**Burlington Resources Oil & Gas Company LP**

8. Well Name and No.  
**Thompson 103**

3a. Address  
**PO Box 4289, Farmington, NM 87499**

3b. Phone No. (include area code)  
**(505) 326-9700**

9. API Well No.  
**30-045-31574**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface Unit M (SWSW), 800' FSL & 1085' FWL, Sec. 33, T31N, R12W**

10. Field and Pool or Exploratory Area  
**Basin Fruitland Coal**

11. Country or Parish, State  
**San Juan New Mexico**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was completed on 5/2/13 w/Robert Switzer. The Re-Vegetation Plan is attached.**

RCVD MAY 23 '13  
OIL CONS. DIV.  
DIST. 3



**H<sub>2</sub>S POTENTIAL EXIST**

**Notify NMOCD 24 hrs prior to beginning operations**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Dollie L. Busse**

Title **Staff Regulatory Technician**

Signature

*Dollie L. Busse*

Date

**5/9/13**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Original Signed: **Stephen Mason**

Title

Date

**MAY 21 2013**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instruction on page 2)

**NMOCD W**

**ConocoPhillips  
THOMPSON 103  
Expense - P&A**

Lat 36° 51' 2.232" N

Long 108° 6' 31.32" W

**PROCEDURE**

**This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

NU BOPE and NU annular preventer.

6. TOOH with 1-1/4" IJ tubing (per pertinent data sheet) and LD.

7. TOOH with 2-7/8" tubing (per pertinent data sheet) and LD.

<b>Tubing:</b>	Yes	<b>Size:</b>	2-7/8"	<b>Set Depth:</b>	2308'
<b>Tubing:</b>	Yes	<b>Size:</b>	1-1/4"	<b>Set Depth:</b>	2292'

8. PU watermelon mill and 2-3/8" work string and make a round trip to top of perforation at 2110' or as deep as possible. LD watermelon mill.

**All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.**

**9. Plug 1 (Pictured Cliffs, 2174-2274', 12 Sacks Class B Cement)**

Mix 12 sxs Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliffs formation top. POOH.

**10. Plug 2 (Fruitland Coal perforations, 1960-2060', 12 Sacks Class B Cement)**

PU 4-1/2" CR and set at 2060'. Load casing and circulate well clean. Pressure test tubing to 1000 psi. Pressure test casing to 800 psi. If casing does not test, spot and tag subsequent plugs as necessary. Run a CBL from top of CR (2060') to Surface to confirm cement tops. Contact engineer with new TOC. Mix 12 sxs Class B cement and spot a plug inside casing above CR to isolate the Fruitland Coal perforations. PUH.

~~1696~~ 1796

**11. Plug 3 (Fruitland Coal formation top, ~~1697-1897'~~, 12 Sacks Class B Cement)**

Mix 12 sxs Class B cement and spot a balanced cement plug inside casing to isolate the Fruitland Coal formation top. PUH.

**12. Plug 4 (Ojo Alamo and Kirtland, 488-682', 19 Sacks Class B Cement)**

Mix 19 sxs Class B cement and spot a balanced cement plug inside casing to isolate the Ojo Alamo and Kirtland formation tops. PUH.

**13. Plug 5 (Surface Plug, 0-184', 18 Sacks Class B Cement)**

Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 18 sxs Class B cement and spot a balanced plug inside the casing from 184' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 4-1/2 casing and the BH annulus to surface. Shut well in and WOC.

14. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

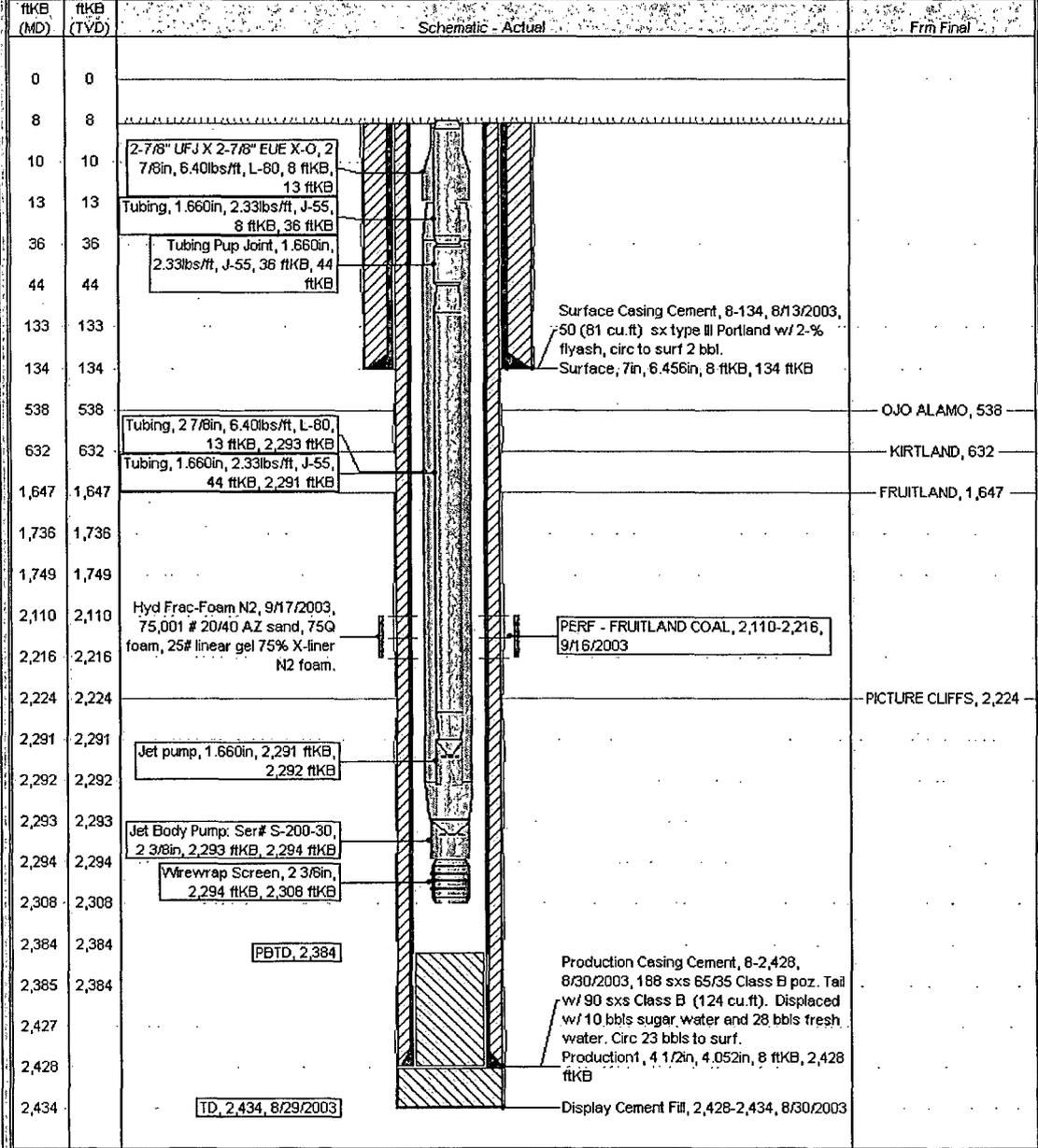
Current Schematic

ConocoPhillips

Well Name: THOMPSON #103

API/UVI 3004531574	Surface Legal Location NMPM,033-031N-012W	Field Name BASIN (FRUITLAND COAL)	License No.	State/Province NEW MEXICO	Well Configuration Type	Edit
Ground Elevation (ft) 5,944.00	Original K&RT Elevation (ft) 5,952.00	K&RT Ground Distance (ft) 8.00	K&RT Casing Floor Elevation (ft) 5,852.00	K&RT Tubing Hanger Distance (ft) 5,952.00		

Well Config: - Original Hole, 4/5/2013 10:17:52 AM



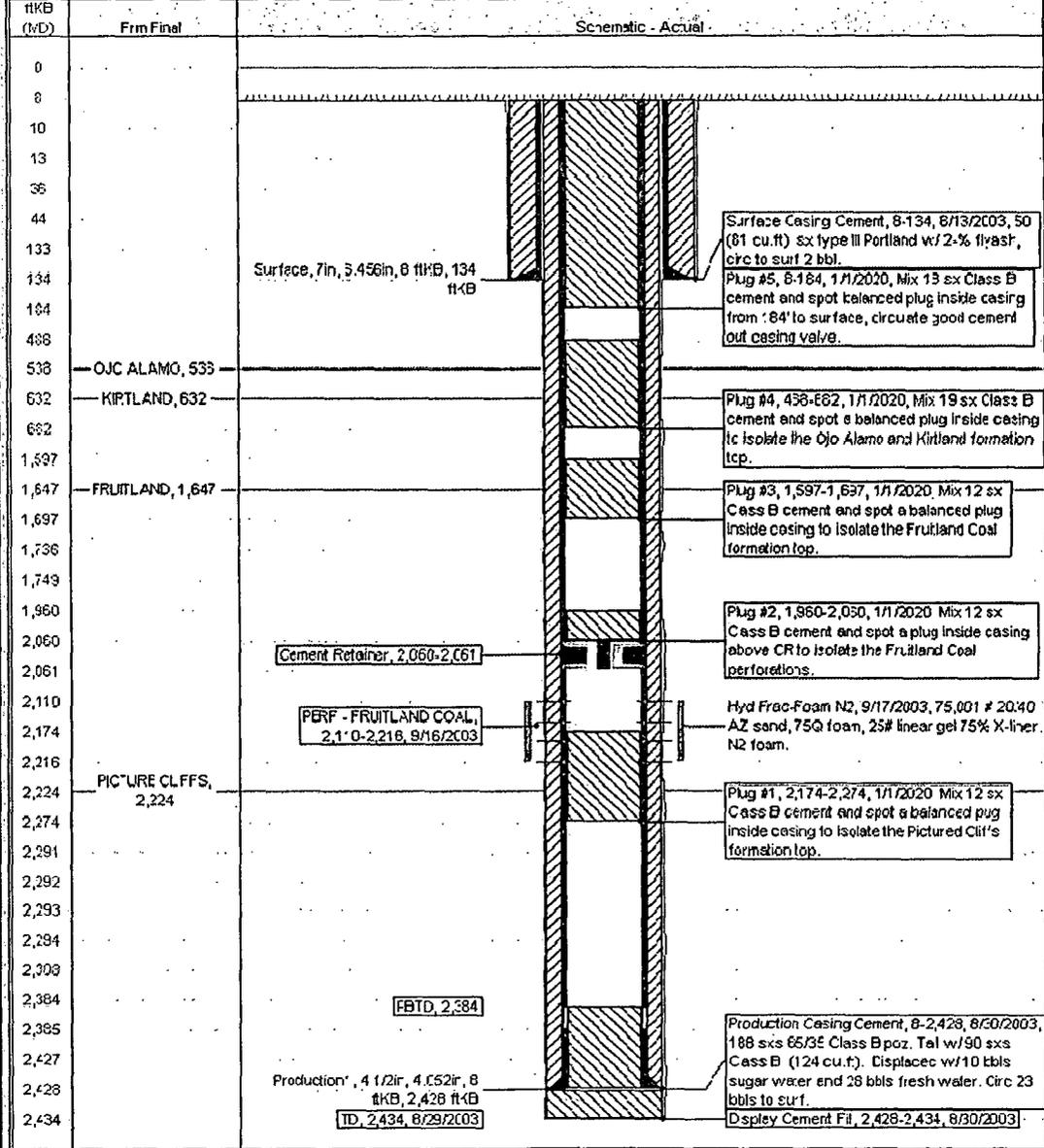
Proposed Schematic

ConocoPhillips

Well Name: THOMPSON #103

SPL/UCI 800-531574	Surface Legal Location NMPM 033-031N-012W	Field Name BACHO FRUITLAND COAL	License No.	State Province NEW MEXICO	Well Configuration Type	Edin
Gravel Screen No. 5,944.00	Original B.P.T. Elevation (ft) 5,552.00	REGISTRATION NUMBER E.00	U.S. Case No. Filing Date (mm/yy) 5,952.00	U.S. Filing Number (Date) (mm/yy) 5,952.00		

Well Config: - Original Hole, 1/1/2020



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 103 Thompson

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Place the Fruitland plug from 1896' – 1796'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.