

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SEP 16 2015

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.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Burlington Resources Oil & Gas Company LP

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL I (NESE), 2570' FSL & 710' FEL, SEC. 27, T27N, R9W

5. Lease Serial No.

SF-080117

6. If Indian, Allottee or Tribe Name

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

HUERFANITO UNIT

8. Well Name and No.

HUERFANITO UNIT 47S

9. API Well No.

30-045-34559

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 recompleat 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 onsite was held on 9/10/15 with Bob Switzer/BLM. The Vegetation Plan is attached. A closed loop system will be utilized during this P&A.

OIL CONS. DIV DIST. 3

SEP 25 2015

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

Notify NMOCD 24 hrs  
prior to beginning  
operations

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

Patsy Clugston

Title

Staff Regulatory Technician

Signature

*Patsy Clugston*

Date

9/16/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*Troy Salvors*

Title PE

Date

9/22/2015

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 FFO

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

5  
aw



**ConocoPhillips**  
**HUERFANITO UNIT 47S**  
**Expense - P&A**

Lat 36° 32' 45.73" N

Long 107° 46' 7.496" W

**PROCEDURE**

**This project requires 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. **Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact the Wells Engineer.**

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger

5. TOOH with tubing (per pertinent data sheet).

**Tubing size:** 2-3/8" 4.7# J-55 EUE

**Set Depth:** 2188'

**KB:** 11'

6. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above top perforation at 2114'.

7. PU 4.5" CR on tubing, and set a 2064'. Pressure test tubing to 1,000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. *If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.*

8. RU wireline and run CBL with 500 psi on casing from CR to surface to identify TOC. *Adjust plugs as necessary for new TOC. Email log copy to Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov) and Brandon Powell (NMOCD) at [brandon.powell@state.nm.us](mailto:brandon.powell@state.nm.us) upon completion of logging operations.*

**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 Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.**

**9. Plug 1 - Fruitland Formation Top, 1880' - 2064', 18 Sacks Class B Cement**

Mix 18 sx Class B cement and spot a balanced plug inside the casing to cover the Fruitland formation top. PUH.

**10. Plug 2 - Kirtland and Ojo Alamo Formation Top, 1304' - 1560', 24 Sacks Class B Cement**

Mix 24 sx Class B cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo formation tops. PUH.

**11. Plug 3 - Surface Plug, 0' - 189', 19 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 19 sx Class B cement and spot balanced plug inside casing from 189' to surface, circulating good cement out casing valve. TOOH and LD tubing. SI well and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface, filling the casing and the BH annulus to surface. Shut well in and WOC.

12. 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.





Well Name: HUERFANITO UNIT #47S

### Current Schematic

API / UWI 3004534559	Surface Legal Location 027-027N-009W-1	Field Name BASIN FRUITLAND COAL	License No.	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,387.00	Original XSR/Elevation (ft) 6,398.00	XS-Ground Distance (ft) 11.00	XS-Casing Flange Distance (ft) 11.00	XS-Tubing Hanger Distance (ft) 6,398.00	

#### VERTICAL - Original Hole, 8/10/2015 9:15:26 AM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
	11.2	
	11.5	
	11.8	
	30.8	
	137.5	
	138.5	
	142.1	
	1,354.0	OJO ALAMO
	1,509.8	KIRTLAND
	1,775.6	
	1,790.0	
	1,930.1	FRUITLAND
	2,113.8	
	2,150.6	
	2,154.9	
	2,186.0	
	2,187.0	
	2,188.0	
	2,267.1	PICTURED CLIFFS
	2,391.1	
	2,397.3	
	2,398.0	
	2,438.6	
	2,439.3	
	2,449.1	

1; Surface; 7 in; 6,456 in; 11.0 ftKB; 138.3 ftKB

Top Out Cement; 11.0-31.0; 3/25/2008

Surface Casing Cement; 31.0-138.3; 3/25/2008

Perforated; 2,114.0-2,188.0; 5/8/2008

PBTD; 2,391.0; DROP PLUG TO DISPLACE, PRESSURED TO 500 PSI AFTER PUMPING 0.5 BBL H<sub>2</sub>O.

2; Production; 4 1/2 in; 4,052 in; 11.0 ftKB; 2,439.3 ftKB

Production Casing Cement; 11.0-2,439.3; 4/6/2008

Cement Plug; 2,391.0-2,439.3; 4/6/2008

Cement; 2,439.3-2,449.0; 4/6/2008



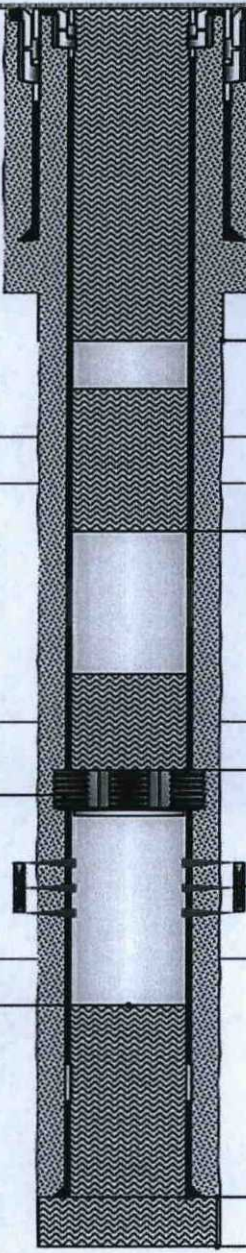


Well Name: HUERFANITO UNIT #47S

### Proposed Schematic

API / UWI 3004534559	Surface Legal Location 027-027N-009W-1	Field Name BASIN FRUITLAND COAL	License No.	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,387.00	Original K/S RT Elevation (ft) 6,398.00	K/S - Ground Distance (ft) 11.00	K/S - Casing Fringe Distance (ft)	K/S - Tubing Hanger Distance (ft) 6,398.00	

#### VERTICAL - Original Hole, 1/1/2020 4:00:00 PM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
	11.2 11.5 11.8 30.8 137.5 138.5 142.1 189.0 1,304.1 1,354.0 1,509.8 1,560.0 1,775.6 1,790.0 1,879.9 1,930.1 2,064.0 2,066.9 2,113.8 2,188.0 2,267.1 2,391.1 2,397.3 2,398.0 2,438.6 2,439.3 2,449.1	        OJO ALAMO KIRTLAND   FRUITLAND    PICTURED CLIFFS
Top Out Cement; 11.0-31.0; 3/25/2008; TAG CEMENT @ 31' (KB) WITH 3/4" PVC MIX AND PUMP 9 SXS TYPE I-II NEAT CEMENT, (2.2 BBL SLURRY) @ 14.5 PPG. CIRCULATED 1/4 BBL CEMENT TO SURFACE.		
Surface Casing Cement; 31.0- 138.3; 3/25/2008; PUMP 5 BBL H2O, DUMP 34 SXS, 54 CU FT, (9.6 BBL SLURRY) TYPE I-II CEMENT WITH 20 % FLYASH @ 14.5 PPG INTO CASING, DROP PLUG AND DISPLACE WITH 3 BBL H2O TO CIRCULATE CEMENT. CEMENT LOCKED UP AFTER PUMPING 0.5 BBL H2O. NO CEMENT TO SURFACE.		
Plug #3; 11.0-189.0; 1/1/2020; Mix 19 sx Class B cement spot balanced plug inside casing from 189' to surface circulating good cement out casing valve.		
Plug #2; 1,304.0-1,560.0; 1/1/2020; Mix 24 sx Class B cement spot balanced plug inside casing to cover Kirtland & Ojo Alamo formation tops.		
Plug #1; 1,880.0-2,064.0; 1/1/2020; Mix 18 sx Class B cement spot balanced plug inside casing to cover Fruitland formation top.		
Cement Retainer; 2,064.0-2,067.0		
Perforated; 2,114.0-2,188.0; 5/6/2008		
PBTD; 2,391.0; DROP PLUG TO DISPLACE, PRESSURED TO 500 PSI AFTER PUMPING 0.5 BBL H2O.		
Production Casing Cement; 11.0- 2,439.3; 4/6/2008		
Cement Plug; 2,391.0-2,439.3; 4/6/2008		
Cement; 2,439.3-2,449.0; 4/6/2008		



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: Huerfano Unit 47S

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.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [tsalyers@blm.gov](mailto:tsalyers@blm.gov) [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

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.