

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 24 2014

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

Farmington Field Office

NM-011393

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

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

Huerfanito Unit

8. Well Name and No.

Huerfanito Unit #9

9. API Well No.

30-045-12167

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

Surface Unit A (NENE), 900' FNL & 1190' FEL, Sec. 20, T27N, R9W

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 plug and abandon the subject well per the attached procedure and current and proposed well schematic. The pre-disturbance site visit was held on 6/12/14 with Bob Switzer, BLM representative. The revegetation plan is attached. A closed loop system will be utilized for this P&A.

OIL CONS. DIV DIST. 3

JUL 03 2014

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

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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 TECH.

Signature

Patsy Clugston

Date

6/23/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salyers

Title

Petroleum Eng.

Date

7/1/2014

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.

NMOCD

5 07/16

**ConocoPhillips
HUERFANITO UNIT 9
Expense - P&A**

Lat 36° 33' 53.892" N

Long 107° 48' 21.996" 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 NMOC, 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 being blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

5. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger

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

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

Set Depth: 4,317 ftKB

KB: 14 ft

7. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above cement retainer set at 4,322'.

8. TIH with tubing string and sting in to CR. Pressure test tubing to 1000 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.

9. RU wireline and run CBL with 500 psi on casing from CIBP to surface to identify TOC. *Adjust plugs as necessary for new TOC.*

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.

10. Plug 1 (Perforations, Dakota, Graneros, Gallup, and Mancos formation tops, 4,272-4,746', 74 Sacks Class B Cement)

Sting in to CR and establish injection rate. Mix 74 sx Class B cement. Squeeze 66 sx below the CR, leaving 8 sx above the CR to cover the perforations and Dakota, Graneros, Gallup and Mancos formation tops. POOH.

11. Plug 2 (Mesaverde and Chacra formation tops, 3,150-3,901', 233 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 3,901'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set at 3,851'. Mix 233 sx Class B cement. Squeeze 172 sx outside the casing, leaving 61 sx inside the casing to cover the Mesaverde and Chacra formation tops. PUH.

12. Plug 3 (Pictured Cliffs and Fruitland formation tops, 1,792-2,324', 45 Sacks Class B Cement)

Mix 45 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs and Fruitland formation tops. POOH.

13. Plug 4 (Kirtland and Ojo Alamo formation tops, 1,308-1,557', 121 Sacks Class B Cement)

RIH and perforate 3 squeeze holes at 1,557'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set at 1,507'. Mix 121 sx Class B cement. Squeeze 98 sx outside the casing, leaving 23 sx inside the casing to cover the Kirtland and Ojo Alamo formation tops. POOH.

14. Plug 5 (Surface casing shoe and surface, 0-390', 137 Sacks Class B Cement)

RU WL and perforate 4 big hole charge (if available) squeeze holes at 390'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 4-1/2" CR and set at 340'. Mix 107 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 340'. Mix 30 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

15. 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.

HUERFANITO #9

VERTICAL - Original Hole, 5/19/2014 2:15:12 PM

Report Printed: 5/19/2014

Schematic - Proposed HUERFANITO #9

District SOUTH	Field Name BSN DK(PRO GAS) #0068	API / UWI 3004512167	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 1/29/1966	Surf Loc 020-027N-009W-A	EastWest Distance (ft) 1,190.00	EastWest Reference FEL	N/S Dist (ft) 900.00
North/South Reference FNL				

VERTICAL - Original Hole, 1/1/2020 4:45:00 AM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
<p>Plug #5: 14.0-340.0; 1/1/2020</p> <p>1: Surface: 8.5/8 in; 8.037 in; 14.1 ftKB; 339.6 ftKB</p> <p>Surface Casing Cement: 14.0-339.6; 1/29/1966; CEMENT WITH 250 SX CIRCULATED TO SURFACE</p> <p>Plug #5: 340.0-390.0; 1/1/2020</p> <p>Plug #5: 14.0-390.0; 1/1/2020; Mix 107 sx Class B cement and squeeze until good cement returns to surface out BH valve. Mix 30 sx Class B cement and pump inside plug</p> <p>Plug #4: 1.308.0-1.557.0; 1/1/2020</p> <p>Plug #4: 1.308.0-1.557.0; 1/1/2020; Mix 121 sx Class B cement. Squeeze 98 sx outside the casing, leaving 23 sx inside the casing to cover the Kirtland and Ojo Alamo formation tops.</p> <p>Plug #3: 1.752.0-2.324.0; 1/1/2020; Mix 45 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs and Fruitland formation tops.</p> <p>Cement: 1.681.0-2.438.0; 2/14/1966; CEMENT WITH 150 SX TOC CALC AT 75% EFF</p> <p>Cement: 2.957.0-3.457.0; 7/18/1996; SQUEEZE WITH 38 SX CLASS B</p> <p>Cement: 2.955.0-3.455.0; 7/22/1996; SQUEEZE WITH 40 SX CLASS B NEAT</p> <p>Plug #3: 3.455.0-3.901.0; 1/1/2020</p> <p>Plug #2: 3.150.0-3.901.0; 1/1/2020; Mix 233 sx Class B cement. Squeeze 172 sx outside the casing, leaving 61 sx inside the casing to cover the Mesaverde and Chacra formation tops.</p> <p>Cement: 4.154.0-4.735.0; 2/14/1966; CEMENT WITH 60 SX TYPE C AND 60 SX DIAMIX A. TOC CALC AT 75% EFF</p> <p>Plug #1: 4.272.0-4.745.0; 1/1/2020; Mix 74 sx Class B cement. Squeeze 65 sx below the CR, leaving 8 sx above the CR to cover the perforations and Dakota, Graneros, Gallup and Mancos formation tops.</p> <p>Production Casing Cement: 5.865.0-7.044.9; 2/14/1966; CEMENT WITH 305 SX TOC CALC AT 75% EFF</p> <p>2: Production 1: 4 1/2 in; 4.052 in; 14.0 ftKB; 7.044.9 ftKB</p> <p>Auto cement plug: 5.935.0-7.044.9; 2/14/1966; Automatically created cement plug from the casing cement because it had a stepped depth.</p>	<p>338.6</p> <p>339.9</p> <p>390.1</p> <p>1,357.9</p> <p>1,507.9</p> <p>1,681.1</p> <p>1,841.9</p> <p>2,274.0</p> <p>2,397.0</p> <p>2,438.0</p> <p>2,779.9</p> <p>2,955.9</p> <p>3,200.1</p> <p>3,457.0</p> <p>3,851.0</p> <p>3,900.9</p> <p>4,153.9</p> <p>4,317.3</p> <p>4,369.1</p> <p>4,595.1</p> <p>4,735.9</p> <p>4,745.1</p> <p>5,794.0</p> <p>6,607.0</p> <p>6,695.9</p> <p>6,777.9</p> <p>6,864.8</p> <p>6,935.0</p> <p>7,044.0</p>	<p>NACIMIENTO</p> <p>OJO ALAMO KIRTLAND</p> <p>FRUITLAND FRUITLAND... PICTURED...</p> <p>LEWIS</p> <p>HUERFANI...</p> <p>CHACRA</p> <p>CLIFFHOUSE</p> <p>MENEFEE</p> <p>POINT LOO...</p> <p>MANCOS GALLUP</p> <p>GREENHO... GRANEROS TWO WELLS</p> <p>PAGUATE CUBERO</p> <p>ENCINAL C...</p> <p>BURRO CA...</p>
<p>Cement Retainer: 340.0-341.0</p> <p>SQUEEZE PERFS: 390.0; 1/1/2020</p> <p>Cement Retainer: 1,507.0-1,508.0</p> <p>SQUEEZE PERFS: 1,557.0; 1/1/2020</p> <p>Isolate csg leak 3442'-3457'</p> <p>Cement Retainer: 3,851.0-3,852.0</p> <p>SQUEEZE PERFS: 3,901.0; 1/1/2020</p> <p>Cement Retainer: 4,317.3-4,322.0</p> <p>Collapsed or Parted Casing: 4,369.0-4,375.0</p> <p>Fill: 4,746.0-6,936.0</p> <p>Hydraulic Fracture; 3/6/1966; SPOT 500 GAL ACID. FRAC DAKOTA WITH 60000# 20/40 SAND AND 70000 GAL WATER WITH 40 TONS CO2 AND 1500 GAL HCA ACID</p> <p>PERF DAKOTA: 6,714.0-6,885.0; 3/4/1966</p> <p>PBTD: 6,936.0</p>		

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: Huerfanito Unit #9

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:

Operator will run to run a CBL from 4322 ft. to surface. Outside plugs will be modified per CBL result. Submit electronic copy of the log for verification to the following BLM address: tsalyers@blm.gov

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.