

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions
listed below are made in accordance with OCD Rule 19.15.7.11
and are in addition to the actions approved by BLM on the
following 3160-4 or 3160-5 form.

Operator Signature Date: 10/5/16

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E	Feet	NS	Ft	EW	Last Insp
30-045-23836-00-00	HUERFANO UNIT NP	270	BURLINGTON RESOURCES OIL & GAS COMPANY LP	O	E	San Juan	F	N	7	26	N	10	W	800	S	1800	W	1/21/2016

Application Type:

- ☒ P&A ☐ Drilling/Casing Change ☐ Location Change
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA
Underground injection control Guidance #84)
☐ Other:

Conditions of Approval:

Add an inside plug for the Chacra from 2380-2280 feet.

Notify OCD 24hrs prior to the subsequent pressure test so it can be witnessed if possible.

NMOCD Approved by Signature

10/19/16

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 05 2016

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

5. Lease Serial No.

SF-077942-A

6. If Indian, Allottee or Tribe Name

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.

Huerfano Unit

8. Well Name and No.

Huerfano Unit NP 270

9. API Well No.

30-045-23836

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

Surface Unit N (SESW), 800' FSL & 1800' FWL, Sec. 7, T26N, R10W

10. Field and Pool or Exploratory Area

Basin Dakota / Angel Peak Gallup

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 recompleate 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 recompleation 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 9/27/2016 with Bob Switzer. The re-vegetation plan is attached. A Closed Loop system will be utilized.

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

OIL CONS. DIV DIST. 3
OCT 19 2016

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

Dollie L. Busse

Title Regulatory Technician

Signature

Date

10/5/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PE

Date

10/12/16

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.

ConocoPhillips
HUERFANO UNIT NP 270
Expense - P&A

Lat 36° 29' 51.468" N

Long 107° 56' 22.56" 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 COP safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing and bradenhead pressures and record them in WellView. **If there is pressure on the BH, contact the Wells Engineer. Top off fluid level if necessary.**
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. Function test BOP.
5. RU wireline and run CBL from 4700' to surface to identify TOC. **Note: On 11/12/1991, a CBL was run from 6088' to 3600'. Also the well has a 1980 temp survey showing the top of stage 3 production cement at 800'.** Adjust plugs as necessary for new TOC. *Email log copy to Wells Engineer, Troy Salyers (BLM) at tsalyers@blm.gov, and Brandon Powell (NMOCD) at 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.

6. Plug 1 - Mancos Formation Top, 4582' - 4682', 12 Sacks Class B Cement

Pick up 2-3/8" workstring and TIH to 4682'. Circulate fluid and ensure wellbore is clean. Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Mancos top. PUH. WOC if necessary. Pressure test casing to 800 psi. If casing does not test, spot or tag subsequent plugs as appropriate.

7. Plug 2 - Mesaverde Formation Top, 3459' - 3559', 12 Sacks Class B Cement

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Mesaverde top. PUH.

8. Plug 3 - Pictured Cliffs and Fruitland Formation Tops, 1664' - 1988', 28 Sacks Class B Cement

Mix 28 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs and Fruitland tops. PUH.

9. Plug 4 - Kirtland and Ojo Alamo Formation Tops, 881' - 1096', 20 Sacks Class B Cement

Mix 20 sx Class B cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH.

10. Plug 5 - Surface Plug, 0' - 265', 100 Sacks Class B Cement

RU WL and perforate 4 big hole charge (if available) squeeze holes at 265'. 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 215'. Mix 80 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 215'. Mix 20 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

11. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. RDMO.



Well Name: HUERFANO UNIT NP #270

Current Schematic

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004523836	007-026N-010W-N	ANGUS PEAK GALLUP (ASSO 4010)		NEW MEXICO	
Ground Elevation (ft)	Original KBRT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	
6,475.00	6,487.00	12.00	6,487.00	6,487.00	

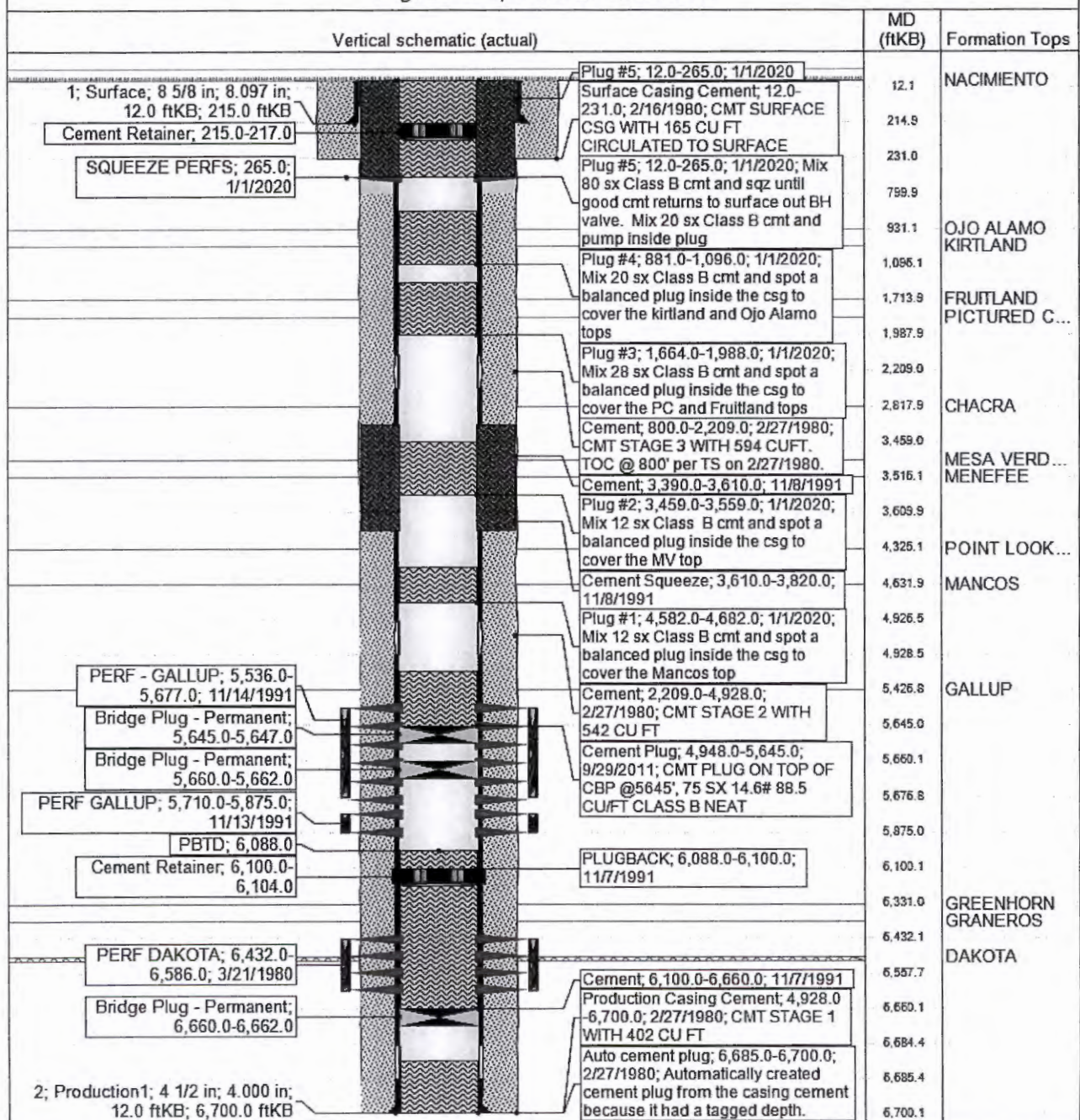
Original Hole, 9/2/2016 11:02:43 AM

Vertical schematic (actual)		MD (ftKB)	Formation Tops
1; Surface; 8 5/8 in; 8,097 in; 12.0 ftKB; 215.0 ftKB	Surface Casing Cement; 12.0-231.0; 2/16/1980; CMT SURFACE CSG WITH 165 CU FT CIRCULATED TO SURFACE	11.8	NACIMIENTO
		12.1	
		213.9	
		214.9	
		231.0	
		799.9	
		931.1	OJO-ALAMO
		1,045.9	KIRTLAND
		1,713.9	FRUITLAND
		1,938.0	PICTURED CLIFFS
	Cement; 800.0-2,209.0; 2/27/1980; CMT STAGE 3 WITH 594 CU FT. TOC @ 800' per TS on 2/27/1980.	2,207.3	
		2,209.0	
		2,209.3	
		2,817.9	GHACRA
		3,390.1	
		3,508.9	MESA VERDE/CLIFF
		3,516.1	MENEFEE
		3,609.9	
		3,819.9	
		4,325.1	POINT-LOOKOUT
	Cement; 3,390.0-3,610.0; 11/8/1991	4,631.9	MANGOS
		4,926.5	
		4,928.1	
		4,928.5	
		4,948.2	
		5,426.8	GALLUP
		5,536.1	
		5,645.0	
		5,647.0	
		5,660.1	
Bridge Plug - Permanent; 5,645.0-5,647.0	PERF - GALLUP; 5,536.0-5,677.0; 11/14/1991	5,662.1	
		5,676.8	
		5,710.0	
		5,875.0	
		6,087.9	
		6,100.1	
		6,104.0	
		6,331.0	GREENHORN
		6,394.0	GRANEROS
		6,432.1	
Bridge Plug - Permanent; 5,660.0-5,662.0	Cement Plug; 4,948.0-5,645.0; 9/29/2011; CMT PLUG ON TOP OF CBP @ 5645', 75 SX 14.6# 88.5 CU/FT CLASS B NEAT	6,453.1	DAKOTA
		6,557.7	
		6,586.0	
		6,660.1	
		6,662.1	
		6,684.4	
		6,685.0	
		6,685.4	
		6,699.1	
		6,700.1	
PBTD; 6,088.0	PERF DAKOTA; 6,432.0-6,586.0; 3/21/1980		
Cement Retainer; 6,100.0-6,104.0	Cement; 6,100.0-6,660.0; 11/7/1991		
2; Production; 4 1/2 in; 4,000 in; 12.0 ftKB; 6,700.0 ftKB	Production Casing Cement; 4,928.0-6,700.0; 2/27/1980; CMT STAGE 1 WITH 402 CU FT		
	Auto cement plug; 6,685.0-6,700.0; 2/27/1980; Automatically created cement plug from the casing cement because it had a tagged depth.		

Schematic - Proposed HUERFANO UNIT NP #270

District SOUTH	Field Name ANGELS PEAK GALLUP (ASSO #2210)	API / UWI 3004523836	County SAN JUAN	State/Province NEW MEXICO	
Original Spud Date 2/16/1980	Surf Loc 007-026N-010W-N	East/West Distance (ft) 1,800.00	East/West Reference FWL	N/S Dist (ft) 800.00	North/South Reference FSL

Original Hole, 1/1/2020 4:30:00 AM



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 NP 270

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) Set Plug #1 (4706-4606) ft. to cover the Mancos top. BLM picks top of Mancos at 4656 ft.
 - b) Set Plug #2 (2876-2776) ft. to cover the Cliff House top. BLM picks top of Cliff House at 2826 ft.
 - c) Set Plug #3 (1970-1606) ft. to cover the Pictured Cliffs top. BLM picks top of Pictured Cliffs at 1920 ft. BLM picks top of Fruitland at 1656 ft.

Operator will run CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov tsalyers@blm.gov 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.