

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

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

**Jami Bailey, 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: 7/11/13

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-24847-00-00	HUERFANO UNIT	213E	BURLINGTON RESOURCES OIL & GAS COMPANY LP	G	A	San Juan	F	A	36	27	N	10	W

Conditions of Approval:

- \*Notify NMOCD 24hrs prior to beginning operations.
- \*Add inside/outside plug from 3155-3055

\_\_\_\_\_  
NMOCD Approved by Signature

AUG 19 2013

\_\_\_\_\_  
Date

RECEIVED

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 12 2013

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

Farmington, NM 87401  
Bureau of Land Management

5. Lease Serial No. **NM-03017**

**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.*

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.  
**Huerfano Unit**

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

8. Well Name and No.  
**Huerfano Unit 213E**

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

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

9. API Well No.  
**30-045-24847**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface UNIT A (NENE), 940' FNL & 790' FEL, Sec. 36, T27N, R9W**

10. Field and Pool or Exploratory Area  
**Basin Dakota**

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 recomplete 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 held on 7/9/13 w/ Bob Switzer. The Re-Vegetation plan is attached. A closed loop system will be used - CL C144 Permit was already submitted 5/28/13 and approved 6/6/13 - Permit # 11258.**

RCVD JUL 18 '13  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**Denise Journey** Title **Regulatory Technician**  
Signature *[Signature]* Date **7/11/2013**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason** Title **JUL 16 2013** Date

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.

**ConocoPhillips**  
**HUERFANO UNIT 213E**  
Expense - P&A

Lat 36° 32' 10.464" N

Long 107° 50' 26.232" 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.

Set a Three Slip Stop, possible plunger equipment downhole.

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.
5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.
6. TOOH with tubing/rods (per pertinent data sheet).

<b>Tubing:</b>	Yes	<b>Size:</b>	2-3/8"	<b>Length:</b>	6754'
<b>PBTD:</b>	6904'				

7. Round trip Watermelon Mill to 6596', or as deep as possible.

8. RIH and set a cement retainer for 4-1/2" 10.5# casing at 6,596'. Pressure test tubing to 1000 psi. Load casing with water and attempt to establish circulation. Pressure test casing to 560 psi. Run CBL and adjust plugs accordingly. If casing does not test, then spot and tag subsequent plugs as necessary.

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 (Perforations, Dakota and Graneros Formation Tops, 6496-6596', 12 Sacks Class B Cement)**

Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Dakota perforations and Dakota and Graneros formation tops. POOH.

**10. Plug 2 (Gallup Formation Top, 5676-5776', 50 Sacks Class B Cement)**

Perforate 3 HSC holes at 5,776'. Set a cement retainer for 4-1/2" 10.5# casing at 5,726'. Establish injection rate into squeeze holes. Mix 50 sx Class B cement. Squeeze 38 sx Class B cement into HSC holes and leave 12 sx cement inside casing to isolate the Gallup formation top. PUH.

**11. Plug 3 (Mancos Formation Top, <sup>4910 4810</sup> ~~4660-4960~~, 12 Sacks Class B Cement)**

Mix 12 sx Class B cement and spot a balanced cement plug inside casing to isolate the Mancos formation top. POOH.

**12. Plug 4 (Mesa Verde Formation Top, 3730-3830', 51 Sacks Class B Cement)**

Perforate 3 HSC holes at 3,830'. Set a cement retainer for 4-1/2" 10.5# casing at 3,780'. Establish injection rate into squeeze holes. Mix 51 sx Class B cement. Squeeze 39 sx Class B cement into HSC holes and leave 12 sx cement inside casing to isolate the Mesa Verde formation top. PUH.

**13. Plug 5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo Formation Tops, <sup>1135</sup> ~~1229-2267~~, 88 Sacks Class B Cement)**

Mix ~~88~~ sx Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. POOH.

**14. Plug 6 (Surface Casing Shoe and Surface Plug, 0-272', 160 Sacks Class B Cement)**

Perforate 3 HSC holes at 272'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 160 sx Class B cement and pump down production casing to circulate good cement out the bradenhead to isolate the surface casing shoe. Shut in 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.

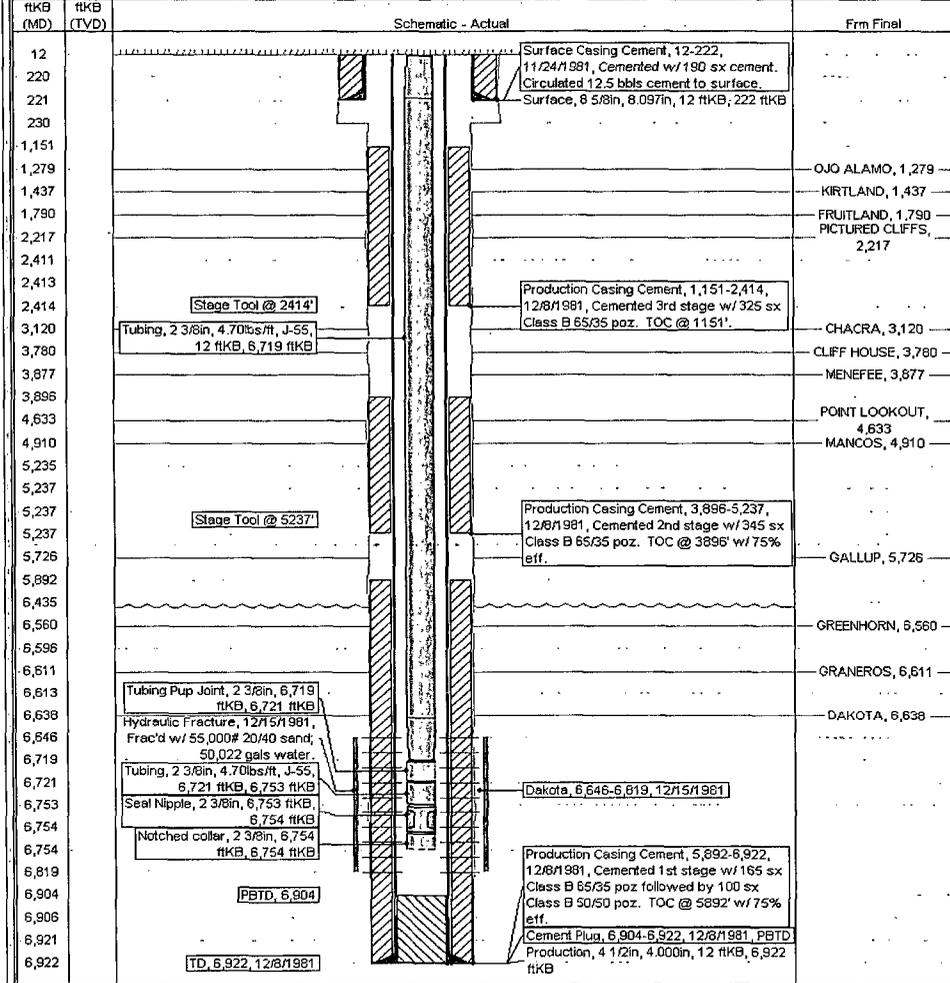
ConocoPhillips

Current Schematic

Well Name: HUERFANO UNIT #213E

API/URN 3004524847	Surface Legal Location NMPM.036-027N-010VV	Field Name Huerfano (Huerfano) (Huerfano)	License No.	State/Province NEW MEXICO	Well Configuration Type Edit
Ground Elevation (ft) 6,446.00	Original K/R/T Elevation (ft) 6,458.00	KB-Grouted Distance (ft) 12.00	KB-Casing Target Distance (ft)	KB-Testing Hanger Distance (ft)	

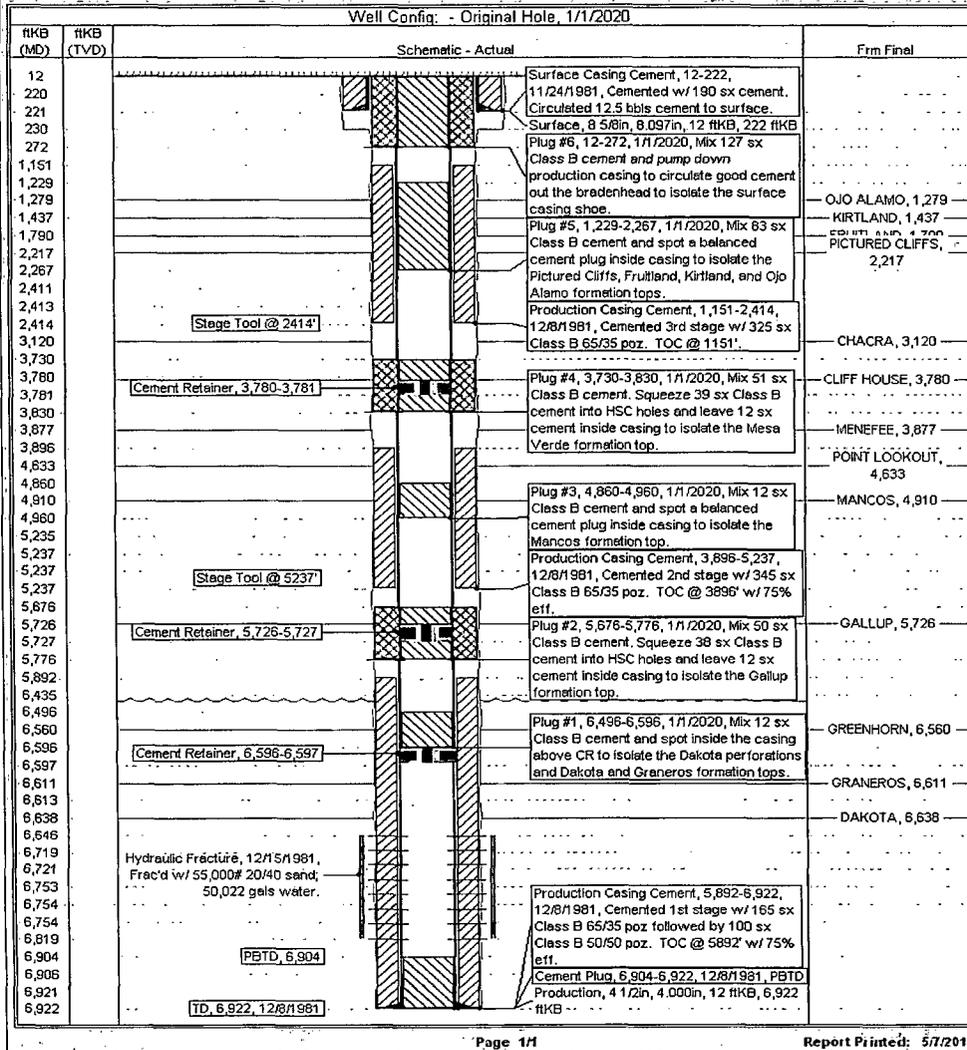
Well Config: - Original Hole, 4/3/2013 7:59:32 AM



**ConocoPhillips**  
Well Name: **HUERFANO UNIT #213E**

**Proposed Schematic**

API No. 3004524847	State Legal Locality NMPM 036-027N-010W	F.U. Name HURFANO UNIT #213E	License No. 12.00	State NEW MEXICO	Well Config/Status Type Edit
Original Estimate \$ 6,446.00	Original PRT Estimate \$ 6,458.00	Original DE Back \$ 12.00	Original Stage Back \$	Original Stage Back \$	Original Stage Back \$



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: 213E Huerfano Unit

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 Mancos plug from 4910' – 4810'.
  - b) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 2267' - 1135'.

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.