

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>JAN 30 3117 SE-079658</b>
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company LP</b>		6. If Indian, Allottee or Tribe Name <b>Farmington Field Office Bureau of Land Management</b>
3a. Address <b>PO Box 4289, Farmington, NM 87499</b>	3b. Phone No. (include area code) <b>(505) 326-9700</b>	7. If Unit of CA/Agreement, Name and/or No. <b>Huerfano Unit</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface Unit M, (SWSW), 660' FSL, 660' FWL, Sec. 10, T26N, R10W</b> <b>Bottomhole</b>		8. Well Name and No. <b>Huerfano Unit 211E</b>
		9. API Well No. <b>30-045-33572</b>
		10. Field and Pool or Exploratory Area <b>Basin Dakota</b>
		11. Country or Parish, State <b>San Juan New Mexico</b>

**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 checked="" type="checkbox"/> Other <b>SI for Seismic observation</b>	
	<input type="checkbox"/> Change Plans	<input 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 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 Oil & Gas, LP wishes to use this well as a microseismic observation well during the stimulation of an upcoming Offset Angel Peak Gallup completion, the Huerfano Unit HXMC #1H. Attached is the procedure we will be following. Once we have conducted our testing, we will return this well to production.

RCVD JAN 30 '13  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Patsy Clugston</b>	Title <b>Sr. Regulatory Specialist</b>	
Signature <i>Patsy Clugston</i>	Date <b>1/15/2014</b>	

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

Approved by <i>[Signature]</i>	Title <i>Petr. Eng</i>	Date <i>1/30/13</i>
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)

NMOCDA

District SOUTH	Field Name BASIN DAKOTA (PRORATED GAS)	API / UWI 3004533572	County SAN JUAN	State/Province NEW MEXICO	Edit
Original Spud Date 4/20/2006	Surface Legal Location 010-026N-010W-M	East/West Distance (ft) 660.00	East/West Reference FWL	North/South Distance (ft) 660.00	North/South Reference FSL

Well Config: VERTICAL - Original Hole, 1/14/2013 3:43:22 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
15	15		
16	16		
101	101		
128	128		
319	319		
320	320		
325	325		
1,295	1,295		OJO ALAMO, 1,295
1,401	1,401		KIRTLAND, 1,401
1,993	1,993		FRUITLAND, 1,993
2,275	2,275		PICTURED CLIFFS, 2,275
2,400	2,400		LEWIS, 2,400
2,660	2,660		HUERFANITO
3,145	3,145		BENTONITE, 2,660
3,823	3,823		CHACRA, 3,145
4,511	4,511		CLIFF HOUSE, 3,823
4,514	4,514		
4,645	4,645		MENEFFEE, 4,645
4,940	4,939		POINT LOOKOUT, 4,940
5,741	5,741		MANCOS, 5,741
5,749	5,748		GALLUP, 5,749
6,605	6,604		
6,615	6,614		
6,642	6,641		GREENHORN, 6,642
6,699	6,698		GRANEROS, 6,699
6,748	6,747		DAKOTA, 6,748
6,794	6,793		
6,797	6,796		
6,806	6,805		
6,824	6,823		
6,828	6,827		
6,828	6,828		
6,829	6,828		
6,910	6,909		
6,911	6,910		
6,912	6,911		
6,929			
6,932			
6,933			
6,950			

TUBING, 2 3/8in, 4.70lbs/ft, J-55,  
15 ftKB, 6,794 ftKB

SINGLE STAGE, 15-319, 4/20/2006, CEMENT  
WITH 332 SX CIRCULATING 23 BBLS TO  
SURFACE  
CASING - SURFACE, 8 5/8in, 8.097in, 15  
ftKB, 319 ftKB

TWO STAGE, 15-4,511, 4/29/2006, CEMENT  
WITH 702 SX CIRCULATING 90 BBLS TO  
SURFACE

PUP JT/ MARKER, 2 3/8in, 6,794  
ftKB, 6,796 ftKB

TUBING, 2 3/8in, 4.70lbs/ft, J-55,  
6,796 ftKB, 6,828 ftKB

Hydraulic Fracture, 7/20/2006,  
FRAC DAKOTA WITH 762 BBLS  
FLUID AND 25000# 20/40  
BRADY SAND WITH 4216300  
SCF N2

SEATING NIPPLE, 2 3/8in, 6,828  
ftKB, 6,828 ftKB

EXPENDABLE CHECK, 2 3/8in,  
6,828 ftKB, 6,829 ftKB

PBTD, 6,910

PERF DAKOTA, 6,806-6,824, 6/14/2006

CASING - PRODUCTION (LONG STR.), 4  
1/2in, 4.000in, 15 ftKB, 6,933 ftKB  
TWO STAGE, 4,511-6,933, 4/29/2006,  
CEMENT WITH 410 SX CIRCULATING 22  
BBLS TO SURFACE  
Cement Plug, 6,933-6,950, 4/30/2006

TD, 6,950, 4/29/2006

**Huerfano Unit #211E**

**Unit M, Section 10, Township 26N, Range 10W  
San Juan Co., NM  
API#: 3004533572**

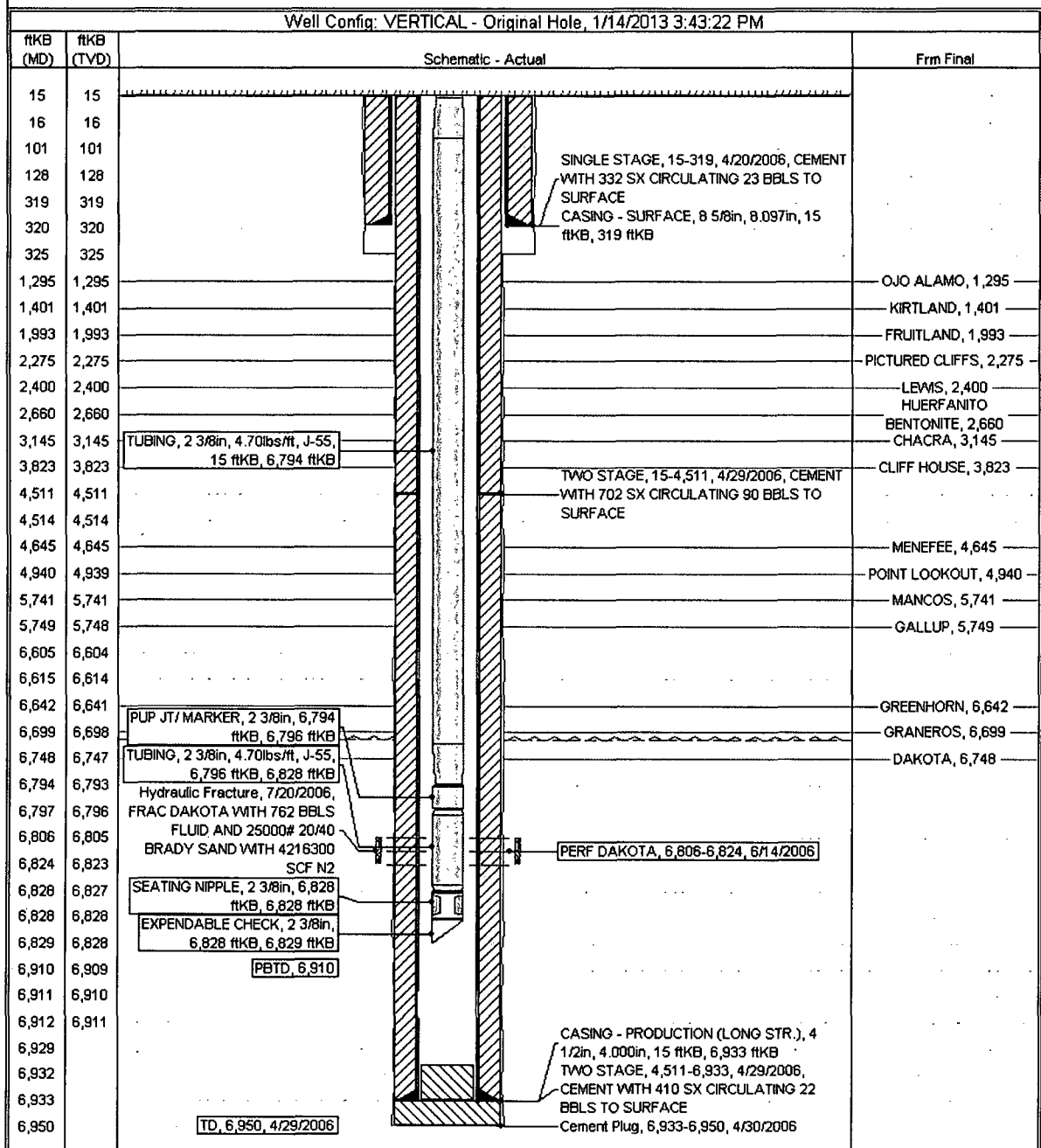
**Microseismic Observation Well  
1/30/2013**

**Procedure:**

1. MIRU service rig. TOOH with current tubing string.
2. MIRU wireline unit. RIH with a 4-1/2" CBP and set at +/- 6750' (56' above DK perms). POOH.
3. Pressure test the casing to 600psi.
4. MIRU wireline, run a GR/CCL/CBL log from 6750' to surface. The CBL will be used to ensure cement coverage across Gallup (5700'-6200'). Remedial cement work will be completed as needed.
5. MIRU microseismic wireline truck and RIH with geophone array. Straddle the tools across the El Vado interval.
6. Monitor the stimulation of the Huerfano Unit HZMC #1H.
7. After stimulation, TOOH with the geophones. Shut well in.
8. MIRU service rig.
9. RIH with mill, drill out plug @ 6750'.
10. Cleanout to PBTD @ 6910'. Land tubing @ 6828'.
11. Release service rig and turn over to production.

**RCVD FEB 1 '13  
OIL CONS. DIV.  
DIST. 3**

District SOUTH	Field Name BASIN DAKOTA (PRORATED GAS)	API / UWI 3004533572	County SAN JUAN	State/Province NEW MEXICO	Edit
Original Spud Date 4/20/2006	Surface Legal Location 010-026N-010W-M	East/West Distance (ft) 660.00	East/West Reference FWL	North/South Distance (ft) 660.00	North/South Reference FSL



# Pertinent Data Sheet

ConocoPhillips

Well Name: HUERFANO UNIT #211E

API/UVI 3004533572	Service Legal Location 010-026N-010W-M	Field Name BASIN HORN / A (PRESERVED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type VERTICAL	Edit
Ground Elevation (ft) 6,697.00	Original KB/R/T Elevation (ft) 6,712.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft) 6,712.00	KB-Tubing Hanger Distance (ft) 6,712.00		

Well Attributes			Edit
Drill Start Date 4/20/2006	Latitude (DMS) 36° 29' 50.075" N	Longitude (DMS) 107° 53' 22.877" W	

PBDs		Edit
Depth (ft) 6,910.0	Comment	

Formations		Edit
Formation Name	Final Top MD (ft)	
DAKOTA	6,748.0	
GRANEROS	6,699.0	
GREENHORN	6,642.0	
GALLUP	5,749.0	
MANCOS	5,741.0	
POINT LOOKOUT	4,940.0	
MENEFEE	4,645.0	
CLIFF HOUSE	3,823.0	
CHACRA	3,145.0	
HUERFANO BENTONITE	2,660.0	
LEWIS	2,400.0	
FRUITLAND	1,993.0	
KIRTLAND	1,401.0	
OJO ALAMO	1,295.0	
PICTURED CLIFFS	2,275.0	

Casing Strings				Edit
Casing Description CASING - SURFACE	Ris Date 4/20/2006	Set Depth (ft) 319.4	Comment	

Item Description	OD Nominal (in)	Nominal ID (in)	WT (lb/ft)	Grade	JIS	Section Length (ft)	Edit
WELLHEAD	8 5/8	8.097			1	1.00	
Casing Joints	8 5/8	8.097	24.00	J-55	7	302.45	
SAW TOOTH COLLAR	8 5/8	8.097			1	1.00	

Casing Strings				Edit
Casing Description CASING - PRODUCTION (LONG STR.)	Ris Date 4/29/2006	Set Depth (ft) 6,932.8	Comment	

Item Description	OD Nominal (in)	Nominal ID (in)	WT (lb/ft)	Grade	JIS	Section Length (ft)	Edit
MANDREL	4 1/2	4.000			1	1.00	
CASING	4 1/2	4.000	11.60	N-80	2	84.71	
PUP JOINTS	4 1/2	4.000	11.60	L-80	2	27.15	
Casing Joints	4 1/2	4.000	11.60	N-80	104	4,383.61	
STAGE COLLAR	4 1/2	4.000			1	3.00	
CASING	4 1/2	4.000	11.60	N-80	50	2,090.07	
MARKER JOINT	4 1/2	4.000	11.60	L-80	1	9.91	
CASING	4 1/2	4.000	11.60	N-80	7	296.16	
FLOAT COLLAR	4 1/2	4.000			1	1.02	
SHOE JOINT	4 1/2	4.000	11.60	N-80	1	20.30	
FLOAT SHOE	4 1/2	4.000			1	0.65	

Cement				Edit
Description	Start Date	End Date	Comment	

CASING - SURFACE	4/20/2006		RIG UP BJ, PRESSURE TEST LINES TO 1500 PSI, PREFLUSH W/ 20 BBLS WATER, LEAD IN W/ 11 SXS OF SCAVENGER CEMENT @ 12 PPG, SLURRY VOLUME = 5 BBLS, TAIL IN W/ 321 SXS TYPE III CEMENT W/ 3% CACL2 - .25 PPS CELLOFLAKE @ 15.2 PPG, SLURRY VOLUME = 73 BBLS, DROP PLUG, DISPLACE W/ 18.4 BBLS WATER, PLUG DOWN @ 12:55 HRS, CIRCULATED 23 BBLS OF CEMENT TO SURFACE.  BHT logged (Y/N): N Cement Found on Between Chow and Collar (Y/N): Y Cement found on liner tool (Y/N): N Coil tubing unit indicator: N Tool company: WEATHERFORD Tool typ: PLUG & CENTRALIZERS Wait on cement (hrs): 8	
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# Pertinent Data Sheet

ConocoPhillips

Well Name: HUERFANO UNIT #211E

API/UNL 3004533572	Surface Legal Location 010-026N-010W-M	Field Name HURFANO (A) (PROPOSED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type VERTICAL	Edit
Ground Elevation (ft) 6,697.00	Original KB/RT Elevation (ft) 6,712.00	KB-Grout Distance (ft) 15.00	KB-Casing Flange Distance (ft) 6,712.00	KB-Tubing Hanger Distance (ft) 6,712.00		

## Cement

Description	Start Date	End Date	Comment
CASING - PRODUCTION (LONG STR.)	4/29/2006		Coil tubing unit indicator: N Tool company: WEATHERFORD Tool type: STAGE TOOL Wait on cement (hrs): 4
Cement Plug	4/30/2006		

## TUBING - PRODUCTION set at 6,829.2ftKB on 9/9/2006 00:00

Tubing Description	Run Date	Set Depth (ft)	Comment
TUBING - PRODUCTION	9/9/2006	6,829.2	

Item Description	OD Nominal (in)	Nominal ID (in)	WT (lb/ft)	Grade	JIS	Len (ft)	Top (ft)
TUBING	2 3/8	1.995	4.70	J-55	219	6,779.35	15.0
PUP JT/MARKER	2 3/8				1	2.10	6,794.4
TUBING	2 3/8	1.995	4.70	J-55	1	31.16	6,796.5
SEATING NIPPLE	2 3/8				1	0.85	6,827.6
EXPENDABLE CHECK	2 3/8				1	0.75	6,828.5

## Perforations

Date	Top (ft)	Bot (ft)	Zone	Comment
6/14/2006	6,806.0	6,824.0		Supervisor: STAEVE

## Stimulations & Treatments

### Hydraulic Fracture on 7/20/2006 11:17

Type	Zone	Comment
Hydraulic Fracture	BASIN: DAKOTA, Original Hole	FRAC DAKOTA WITH 762 BBLS FLUID AND 25000# 20/40 BRADY SAND WITH 4216300 SCF N2