

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**RECEIVED**

APR 30 2009

**Bureau of Land Management  
Farmington Field Office**

## Sundry Notices and Reports on Wells

- |  |  |
|--|--|
| <p>1. <b>Type of Well</b><br/>GAS</p> <p>2. <b>Name of Operator</b><br/><b>BURLINGTON</b><br/>RESOURCES OIL &amp; GAS COMPANY LP</p> <p>3. <b>Address &amp; Phone No. of Operator</b><br/><br/>PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. <b>Location of Well, Footage, Sec., T, R, M</b><br/><br/>Surf: Unit A (NENE), 830' FNL &amp; 1160' FEL, Section 19, T26N, R10W, NMPM</p> | <p>5. <b>Lease Number</b><br/>SF-077933</p> <p>6. <b>If Indian, All. or Tribe Name</b></p> <p>7. <b>Unit Agreement Name</b><br/>Huerfano Unit</p> <p>8. <b>Well Name &amp; Number</b><br/>Huerfano Unit 244E</p> <p>9. <b>API Well No.</b><br/><br/>30-045-26265</p> <p>10. <b>Field and Pool</b></p> <p>11. <b>Basin Dakota County and State</b><br/>San Juan, NM</p> |
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**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action	Other -
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	
	<input type="checkbox"/> Casing Repair	
	<input type="checkbox"/> Altering Casing	
	<input type="checkbox"/> Change of Plans	
	<input type="checkbox"/> New Construction	
	<input type="checkbox"/> Non-Routine Fracturing	
	<input type="checkbox"/> Water Shut off	
	<input type="checkbox"/> Conversion to Injection	

**RCVD MAY 5 '09  
OIL CONS. DIV.  
DIST. 3**

**13. Describe Proposed or Completed Operations**

Burlington Resources wishes to P&A this well per the attached procedures. The current well bore schematic is also attached.

**14. I hereby certify that the foregoing is true and correct.**

Signed [Signature] Kelly Jeffery Title Regulatory Technician Date 4/27/09

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date MAY 04 2009

**CONDITION OF APPROVAL, if any:**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**NMOCD**[Signature][Signature]

**ConocoPhillips  
Huerfano 244E (DK)  
Plug and Abandon**

Lat 36° 28' 42.917" N      Long 107° 55' 54.588" W

Prepared By: Paul Nguyen      Engineer      Date: 3/27/2009  
PE Peer review/approved By: A+      Date:

**Scope of work:** The intent of this procedure is to plug and abandon this wellbore.

**WELL DATA:**

**API:** 3004526265  
**Location:** 830 FNL & 1160 FEL, Unit A, Section 19– T26N – R10W  
**PBTD:** 2659' **TD:** 6616'  
**Perforations:** 6417' – 6474' (DK)

<b><u>Casing:</u></b>	<b><u>OD</u></b>	<b><u>Wt., Grade</u></b>	<b><u>Connection</u></b>	<b><u>ID/Drift (in)</u></b>	<b><u>Depth</u></b>
	8 5/8"	24#, K-55	-	8.097/7.972	238.4'
	4 1/2"	10.5#, K-55	-	4.052/3.927	6616.1'

**Well History:** The Huerfano Unit 244E was drilled in April of 1985 as a stand alone Dakota. This well had multiple casing failures and a workover rig performed cement squeeze in 1985 and in 1991. After another casing failure in 2004, the production engineer decided to temporary plugged and abandoned the Dakota and recomplete the Fruitland Coal. However, the Fruitland Coal in the nearby well is not producing very well, and this poor performance was confirmed by the Reservoir Engineer and the Geologist that there is a lack of coal pay. For the above reasons, Production Engineering recommends plug and abandon this wellbore.

**B2 Adapters** are required on all wells other than pumping wells. N/A

**Artificial lift on well (type):** N/A

**Est. Reservoir Pressure (psig):** N/A

**Well Failure Date:** N/A

**Current Rate (Mcf/d):** 0      **Est. Rate Post Remedial (Mcf/d):** N/A

**Earthen Pit Required:** NO

**Special Requirements:** A-Plus steel pit required for waste fluids and sacks of cement

**Production Engineer:** Paul Nguyen

Office 599 - 3432, Cell: 320 - 1254

**Backup Engineer:** David McDaniel Office: 599-3443, Cell: 320-2907

**MSO:** Dennis Jacquez Cell: 320-2554

**Lead:** Bobby Heinen Cell: 320-2615

**Area Foreman:** Steve Stamets Cell: 320-2516

**H2S :** 0 ppm

**ConocoPhillips  
Huerfano 244E (DK)  
Plug and Abandon**

Lat 36° 28' 42.917" N    Long 107° 55' 54.588" W

**PROCEDURE:**

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.8 ppg with a 1.18 cf/sx yield. Call area engineer before moving on location.

1. This project requires the Operator to obtain an approved 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.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_  
Tubing: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Size \_\_\_\_\_, Length \_\_\_\_\_  
Packer: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Type \_\_\_\_\_  
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.
4. **Plug #1 (Pictured Cliffs: 1940' – 810')**: Load casing and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 90 sxs Class B cement and spot a balanced plug inside casing to isolate the PC perforations and to cover through the Ojo Alamo top. TOH and LD tubing.
5. **Plug #2 (289' – 0')**: Perforate 3 squeeze holes at 289'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 100 sxs cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
6. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulation. RD, move off location, cut off anchors and restore location.

Recommended	<u>Paul Nguyen</u>
P E	Paul Nguyen
Office	(505) 599-3432
Cell	(505) 320-1254

Approved	_____
Expense Supervisor	Kelly Kolb
Office	(505) 326-9582
Cell	(505) 320-4785

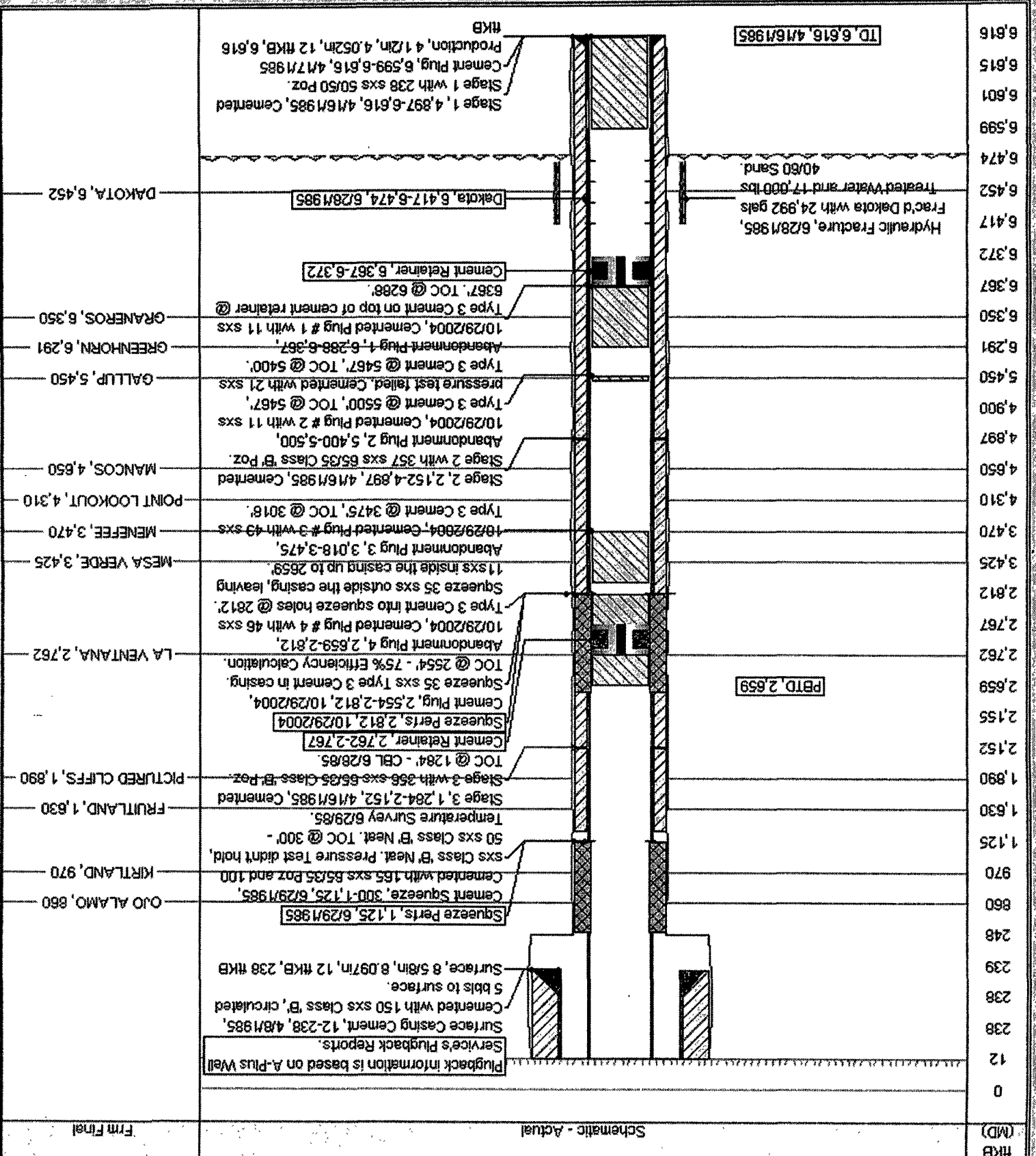
# Current Schematic

ConocoPhillips

Well Name: HUERFANO UNIT #244E

APR/UNIT	3004526265	Surface legal location	NMPM,019-026N-010W	Field Name	NEW MEXICO	State/Province	USEILCountry/State Type	EDR	
Ground Elevation (m)	6,482.00	Original Well Elevation (m)	6,497.00	KB-Ground Depth (m)	15.00	KB-Casing Elevation (m)	6,497.00	KB-Tubing Hanger Elevation (m)	6,497.00

Well Config: - 30045262650000, 3/16/2009 2:05:29 PM



# Pertinent Data Sheet

ConocoPhillips

Well Name: HUERFANO UNIT #244E

API/ UWI 3004526265	Surface Legal Location NMPM_019-026N-010VV	Field Name SALIN DAKOTA (PRODUCED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type	Edit
Ground Elevation (ft) 6,482.00	Original KB/RT Elevation (ft) 6,497.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft) 6,497.00	KB-Tubing Hanger Distance (ft) 6,497.00		

Original Spud Date 4/8/1985	Latitude (DMS) 36° 28' 42.917" N	Longitude (DMS) 107° 55' 54.588" W	Edit
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## Schematic Annotations: Comments

Start Date 10/29/2004	Annotation Plugback information is based on A-Plus Well Service's Plugback Reports.	Depth (ft) 238.0	Edit
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## PBTDs

Depth (ft) 2,659.0	Comment	Edit
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## Formations

Formation Name	Final Top MD (ft)	Edit
OJO ALAMO	860.0	
KIRTLAND	970.0	
FRUITLAND	1,630.0	
PICTURED CLIFFS	1,890.0	
LA VENTANA	2,762.0	
MESA VERDE	3,425.0	
MENEFEE	3,470.0	
POINT LOOKOUT	4,310.0	
MANCOS	4,650.0	
GALLUP	5,450.0	
GREENHORN	6,291.0	
GRANEROS	6,350.0	
DAKOTA	6,452.0	

## Casing Strings

Casing Description Surface	Run Date 4/8/1985	Set Depth (ft) 238.4	Comment	Edit
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Item Description	OD Nominal (in)	ID (in)	WT (lb/ft)	Grade	J's	Len (ft)	Edit
Casing Joints	8 5/8	8.097	24.00	K-55	5	225.44	
Guide Shoe	8 5/8	8.097	24.00	K-55	1	1.00	

Casing Description Production	Run Date 4/16/1985	Set Depth (ft) 6,616.1	Comment	Edit
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Item Description	OD Nominal (in)	ID (in)	WT (lb/ft)	Grade	J's	Len (ft)	Edit
Casing Joints	4 1/2	4.052	10.50	K-55	53	2,139.87	
Stage Tool	4 1/2	4.052	10.50	K-55	1	3.25	
Casing Joints	4 1/2	4.052	10.50	K-55	67	2,741.47	
Stage Tool	4 1/2	4.052	10.50	K-55	1	3.25	
Casing Joints	4 1/2	4.052	10.50	K-55	42	1,699.42	
Self Fill Float Collar	4 1/2	4.052	10.50	K-55	1	2.05	
Shoe Joint	4 1/2	4.052	10.50	K-55	1	13.98	
Guide Shoe	4 1/2	4.052	10.50	K-55	1	0.83	

## Cement

Description	Start Date	End Date	Comment	Edit
Surface Casing Cement	4/8/1985		Cemented with 150 sxs Class 'B', circulated 5 bbls to surface.	
Production Casing Cement	4/16/1985		Cemented Stage 1 with 238 sxs 50/50 Poz. Cemented Stage 2 with 357 sxs 65/35 Class 'B' Poz. Cemented Stage 3 with 356 sxs 65/35 Class 'B' Poz. TOC @ 1284' - CBL 6/28/85.	
Cement Plug	4/17/1985			
Cement Squeeze	6/29/1985		Cemented with 165 sxs 65/35 Poz and 100 sxs Class 'B' Neat. Pressure Test didn't hold, 50 sxs Class 'B' Neat. TOC @ 300' - Temperature Survey 6/29/85.	
Cement Squeeze	1/31/1991		Spot 70 sxs Class 'B' Neat across 4100'-3000' squeeze cement 130 sxs Class 'B'.	
Cement Squeeze	10/29/2004		Squeeze 35 sxs Type 3 Cement in casing. TOC @ 2554' - 75% Efficiency Calculation.	
Cement Plug	10/29/2004		Cemented Plug # 1 with 11 sxs Type 3 Cement on top of cement retainer @ 6367'. TOC @ 6288'. Cemented Plug # 2 with 11 sxs Type 3 Cement @ 5500', TOC @ 5467', pressure test failed. Cemented with 21 sxs Type 3 Cement @ 5467', TOC @ 5400'. Cemented Plug # 3 with 43 sxs Type 3 Cement @ 3475', TOC @ 3018'.	

Tubing Description	Run Date	Set Depth (ft)	Comment	Edit
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## Other In Hole

Description	Run Date	Set Date	Top (ft)	Comment	Edit
Cement Retainer			2,762.0		