

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

NOV 05 2014

5. Lease Serial No. **NM-02874A**  
6. If Indian, Allottee or Tribe Name **OIL CONS. DIV DIST. 3**

**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**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec. 22 T-26-N, R-10-W 900' S, 1640' E**

7. If Unit of CA/Agreement, Name and/or No.  
**NOV 07 2014**

8. Well Name and No.  
**Huerfano 177R**

9. API Well No.  
**30-045-24299**

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 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 checked="" 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Landfarm Closure</b>
	<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 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.)

**The landfarm was sampled on 7/31/14 with the results attached. Closure notification was sent to the BLM on 8/12/2014. The landfarm was closed 10/29/2014 with the berms and gravel being spread on the road and the clean material was used to contour the location. Pictures of the completed work are attached.**

**Accepted for Record**  
06 Nov 2014

*[Signature]*

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

Title  
**Field Environmental Specialist**

Signature *Lindsay Dumas*

Date  
**11/3/2014**

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

Approved by

Title

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.

**BURLINGTON RESOURCES OIL & GAS CO. C.**

**HUERFANO UNIT NO 177 R**

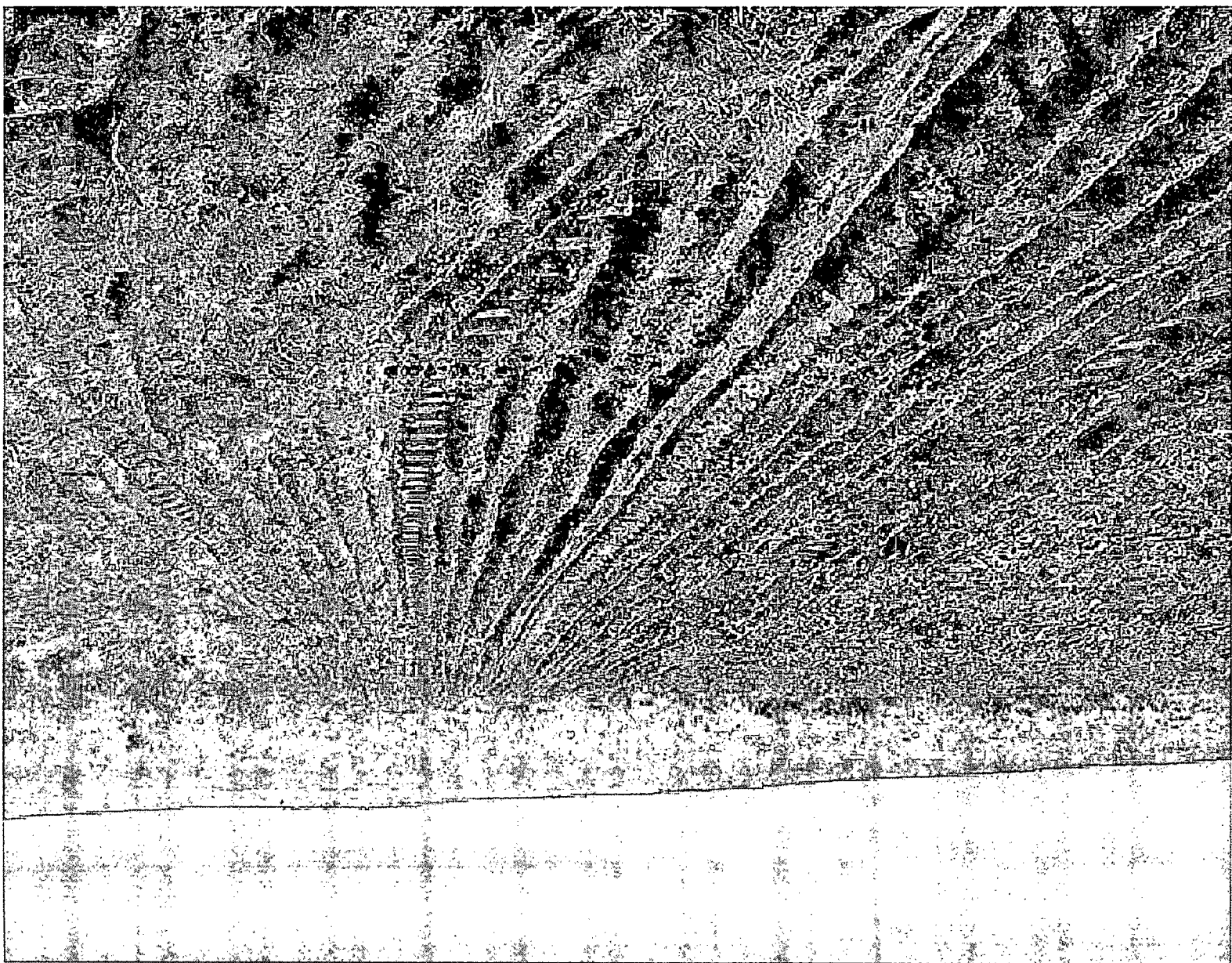
**LEASE NM 02874-A**

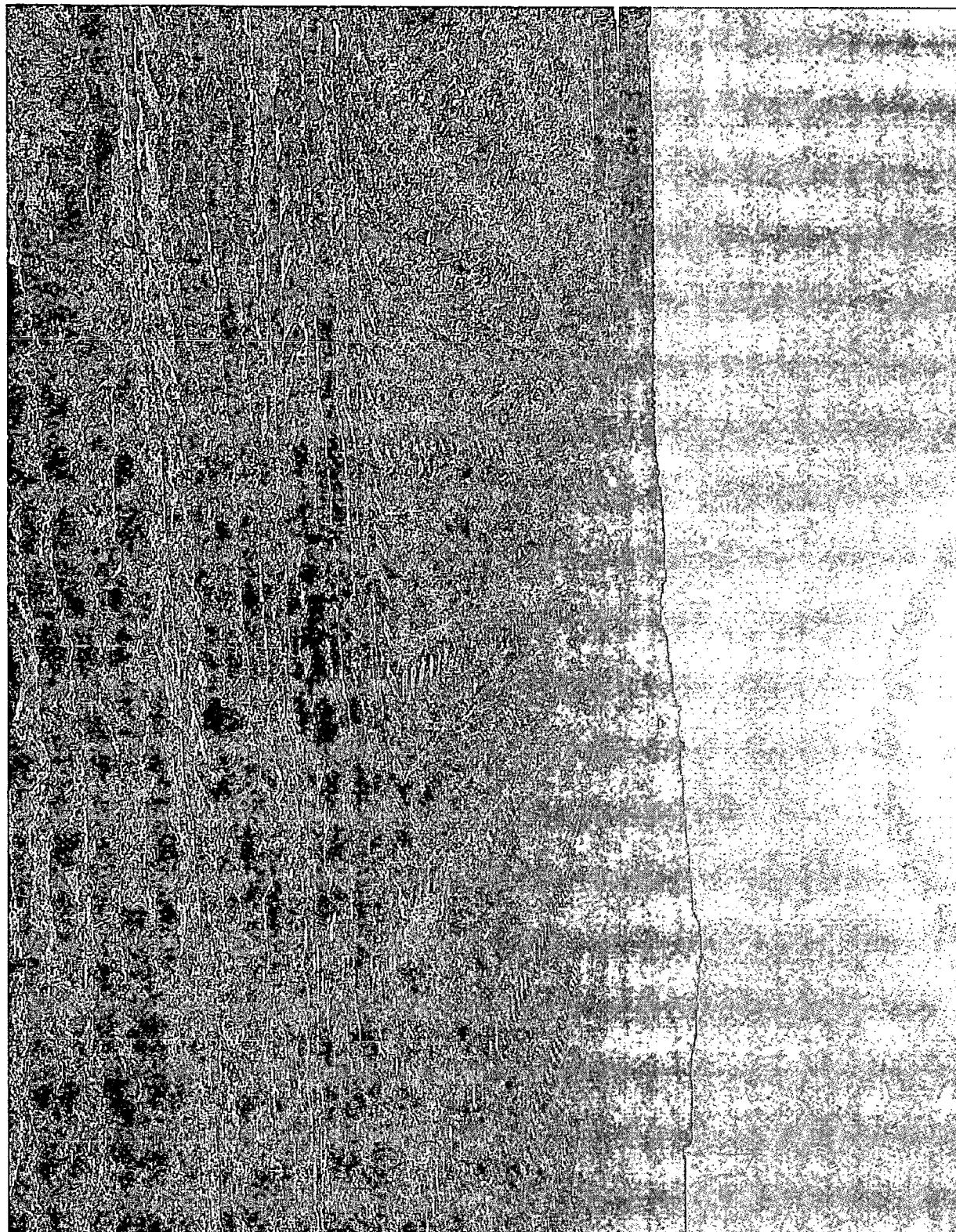
**ELEV. 6627' GL**

**900'S. 1640'E. SEC. 22.T 26 N.R 10 W. N.M.P.M.**

**SAN JUAN COUNTY. NEW MEXICO**

**EMERGENCY NUMBER (505) 324-5170**







## Analytical Report

### Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 17171

Samples Received: 8/1/2014 3:00:00PM

Job Number: 96052-1706

Work Order: P408006

Project Name/Location: Huerfano 177R

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 8/11/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

[envirotech-inc.com](http://envirotech-inc.com)

[laboratory@envirotech-inc.com](mailto:laboratory@envirotech-inc.com)



ConocoPhillips  
PO Box 2200  
Bartlesville OK, 74005

Project Name: Huerfano 177R  
Project Number: 96052-1706  
Project Manager: Lindsay Dumas

Reported:  
11-Aug-14 17:55

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Landfarm	P408006-01A	Soil	07/31/14	08/01/14	Glass Jar, 4 oz.

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[laboratory@envirotech-inc.com](mailto:laboratory@envirotech-inc.com)





ConocoPhillips	Project Name:	Huerfano 177R	Reported: 11-Aug-14 17:55
PO Box 2200	Project Number:	96052-1706	
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	

**Landfarm**  
**P408006-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8021B	
Surrogate: Bromochlorobenzene		80.5 %		50-150		1432001	08/04/14	08/11/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		81.8 %		50-150		1432001	08/04/14	08/11/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1		1432001	08/04/14	08/11/14	EPA 8015D	
Diesel Range Organics (C10-C28)	143	30.0	mg/kg	1		1432002	08/04/14	08/05/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		94.2 %		50-200		1432002	08/04/14	08/05/14	EPA 8015D	

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ConocoPhillips  
PO Box 2200  
Bartlesville OK, 74005

Project Name: Huerfano 177R  
Project Number: 96052-1706  
Project Manager: Lindsay Dumas

Reported:  
11-Aug-14 17:55

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1432001 - Purge and Trap EPA 5030A

##### Blank (1432001-BLK1)

Prepared & Analyzed: 04-Aug-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	52.5		ug/L	50.0		105	80-120			
Surrogate: Bromochlorobenzene	54.0		"	50.0		108	80-120			

##### Duplicate (1432001-DUP1)

Source: P408003-01

Prepared & Analyzed: 04-Aug-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	1.71	0.05	"		1.74			1.72	30	
Ethylbenzene	0.35	0.05	"		ND				30	
p,m-Xylene	4.95	0.05	"		3.72			28.6	30	
o-Xylene	1.02	0.05	"		0.53			62.8	30	D1
Surrogate: 1,3-Dichlorobenzene	63.2		ug/L	50.0		126	80-120			S-02
Surrogate: Bromochlorobenzene	72.1		"	50.0		144	80-120			S-02

##### Matrix Spike (1432001-MS1)

Source: P408003-01

Prepared & Analyzed: 04-Aug-14

Benzene	49.4		ug/L	50.0	ND	98.8	39-150			
Toluene	75.5		"	50.0	34.8	81.4	46-148			
Ethylbenzene	53.5		"	50.0	0.66	106	32-160			
p,m-Xylene	174		"	100	74.3	99.4	46-148			
o-Xylene	66.3		"	50.0	10.7	111	46-148			
Surrogate: 1,3-Dichlorobenzene	60.3		"	50.0		121	80-120			S-02
Surrogate: Bromochlorobenzene	70.0		"	50.0		140	80-120			S-02

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ConocoPhillips  
PO Box 2200  
Bartlesville OK, 74005

Project Name: Huerfano 177R  
Project Number: 96052-1706  
Project Manager: Lindsay Dumas

Reported:  
11-Aug-14 17:55

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1432001 - Purge and Trap EPA 5030A

##### Blank (1432001-BLK1)

Prepared & Analyzed: 04-Aug-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg

##### Duplicate (1432001-DUP1)

Source: P408003-01

Prepared & Analyzed: 04-Aug-14

Gasoline Range Organics (C6-C10) 68.6 4.99 mg/kg 68.3 0.417 30

##### Matrix Spike (1432001-MS1)

Source: P408003-01

Prepared & Analyzed: 04-Aug-14

Gasoline Range Organics (C6-C10) 1.60 mg/L 0.450 1.37 51.6 75-125 SPK 1

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ConocoPhillips  
PO Box 2200  
Bartlesville OK, 74005

Project Name: Huerfano 177R  
Project Number: 96052-1706  
Project Manager: Lindsay Dumas

Reported:  
11-Aug-14 17:55

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1432002 - DRO Extraction EPA 3550M

##### Blank (1432002-BLK1)

Prepared & Analyzed: 04-Aug-14

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: Benzo[a]pyrene	13.6		mg/L	20.0		68.0	50-200			

##### Matrix Spike (1432002-MS1)

Source: P408001-01

Prepared & Analyzed: 04-Aug-14

Diesel Range Organics (C10-C28)	625	24.9	mg/kg	499	ND	125	38-132			
Surrogate: Benzo[a]pyrene	21.3		mg/L	20.0		106	50-200			

##### Matrix Spike Dup (1432002-MSD1)

Source: P408001-01

Prepared & Analyzed: 04-Aug-14

Diesel Range Organics (C10-C28)	597	25.0	mg/kg	499	ND	120	38-132	4.56	20	
Surrogate: Benzo[a]pyrene	18.6		mg/L	20.0		93.1	50-200			

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ConocoPhillips  
PO Box 2200  
Bartlesville OK, 74005

Project Name: Huerfano 177R  
Project Number: 96052-1706  
Project Manager: Lindsay Dumas

**Reported:**  
11-Aug-14 17:55

### Notes and Definitions

SPK1	The spike recovery for this QC sample is outside of control limits.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
D1	Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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\* No Rush \*

# CHAIN OF CUSTODY RECORD

17171

Client: <b>ConocoPhillips</b>			Project Name / Location: <b>Huerfano 177R</b>			ANALYSIS / PARAMETERS													
Email results to: <b>Lindsay.Dumas@cop.com</b>			Sampler Name: <b>Lindsay Dumas</b>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	PCl	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: <b>505-258-11043</b>			Client No.: <b>96052-1700</b> <b>BENALE</b>																
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative														
					HNO <sub>3</sub>	HCl													
Landfarm	7/31/14	8:50A	PH08006-01	1 - 4oz														1	✓
Relinquished by: (Signature) <i>Lindsay Dumas</i>					Date 8/1/14	Time 3:00	Received by: (Signature) <i>Lindsay Dumas</i>					Date 8/1/14	Time 15:00						
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix Soil <input type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <b>* No Rush *</b>					 <b>envirotech</b> 25.3 Analytical Laboratory														

## Dumas, Lindsay

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Tuesday, August 26, 2014 4:04 PM  
**To:** Dumas, Lindsay  
**Cc:** Ketcham, Shari (sketcham@blm.gov); Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** [EXTERNAL]RE: Re: Landfarm Closure Request: Huerfano 177R

Lindsay,

After an Onsite at the Huerfano 177R Conoco is approved to finish closure activities at the land farm.

Thank you.

---

**From:** Smith, Cory, EMNRD  
**Sent:** Wednesday, August 20, 2014 7:49 AM  
**To:** 'Dumas, Lindsay'  
**Cc:** Ketcham, Shari (sketcham@blm.gov); Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** RE: Re: Landfarm Closure Request: Huerfano 177R

Lindsay,

OCD wants to investigate the landfarm before we make a decision. I will get back with you by the end of the week.

In the future all Land farm samples for closure please give the OCD a 24 hour notice before sampling.

If you have any questions please give me a call.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

---

**From:** Dumas, Lindsay [<mailto:Lindsay.Dumas@conocophillips.com>]  
**Sent:** Tuesday, August 19, 2014 10:23 AM  
**To:** Powell, Brandon, EMNRD; Smith, Cory, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** FW: Re: Landfarm Closure Request: Huerfano 177R

Do we need documented approval to close this landfarm? We do not normally hear back from OCD when we send these emails, and COP takes that as an approval. Let us know.

Kind regards,

*Lindsay Dumas*

Environmental Specialist-SJBU

Office: 505-599-4089

Mobile: 505-258-1643

[Lindsay.Dumas@conocophillips.com](mailto:Lindsay.Dumas@conocophillips.com)

**From:** Ketcham, Shari [<mailto:sketcham@blm.gov>]

**Sent:** Thursday, August 14, 2014 6:58 AM

**To:** Dumas, Lindsay

**Cc:** Kelly, Jonathan ([Jonathan.Kelly@state.nm.us](mailto:Jonathan.Kelly@state.nm.us)); Jaramillo, Wilfred J; Hadden, David D

**Subject:** [EXTERNAL]Re: Landfarm Closure Request: Huerfano 177R

BLM approves closure of this landfarm on location since the spreading of the landfarmed soil on location will likely not pose a threat to groundwater due to DRO being 143 ppm per method 8015.

If landfarmed soil contains any gravel, please use on the road, teardrop and berms only.

ConocoPhillips will still need approval from NMOCD.

Thank you!

Shari Ketcham

Natural Resource Specialist, Spills Biologist

BLM Farmington Field Office

6251 College Blvd Suite A

Farmington, NM 87402

Office: (505) 564-7713

Fax: (505) 564-7607

On Tue, Aug 12, 2014 at 2:40 PM, Dumas, Lindsay <[Lindsay.Dumas@conocophillips.com](mailto:Lindsay.Dumas@conocophillips.com)> wrote:

ConocoPhillips discovered a landfarm on the Huerfano 177R, API# 30-045-24299, UL – O, Sec. 22, T26N, R10W, Lease #NM-02874A. The landfarm was sampled on 8/1/2014 and the results are attached. ConocoPhillips would like to close the subject landfarm starting 8/15/14. The soil will be used on location and will not be removed.

A sundry will be submitted when the work has been completed.

Please contact me if you have any questions.

Kind regards,

*Lindsay Dumas*

Environmental Specialist-SJBU

Office: 505-599-4089

Mobile: 505-258-1643

[Lindsay.Dumas@conocophillips.com](mailto:Lindsay.Dumas@conocophillips.com)