

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact Shelly Cook-Cowden
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-324-5140
Facility Name Huerfanito Unit #101	Facility Type Gas well API# 3004511766

Surface Owner State	Mineral Owner State	Lease No. B-9320
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LOCATION OF RELEASE

Unit Letter A	Section 02	Township 026N	Range 009W	Feet from the 800'	North/South Line North	Feet from the 800'	East/West Line East	County San Juan County
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Latitude **36.52208° N** Longitude **107.75186° W**

NATURE OF RELEASE

Type of Release - Produced Water	Volume of Release - Unknown	Volume Recovered -
Source of Release - Below Grade Tank	Date and Hour of Occurrence - Unknown	Date and Hour of Discovery - 12/2/10
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

RCVD MAR 3 '11

OIL CONS. DIV.
DIST. 3

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Closure Activities.

Describe Area Affected and Cleanup Action Taken *

The below grade tank sample results were above the regulatory standard for TPH, confirming a release. A site assessment was then conducted and the closure standard was determined to be 100 ppm TPH. Since the sample results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases no further action is required.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature <i>Shelly Cook-Cowden</i>	Approved by District Supervisor: <i>Bob Roll</i>	
Printed Name Shelly Cook-Cowden	Approval Date 3/3/11	Expiration Date:
Title: Environmental Technician	Conditions of Approval nJK1122152984	
E-mail Address Shelly.g.Cook-Cowden@ConocoPhillips.com	Attached ☐	
Date March 1, 2011	Phone 505-324-5140	

* Attach Additional Sheets If Necessary

1A



January 24, 2011

Project Number 92115-1521

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403

RE: BELOW GRADE TANK SPILL ASSESSMENT DOCUMENTATION FOR THE HUERFANITO #101, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington:

Enclosed please find the field notes and analytical results for below grade tank (BGT) sampling activities performed at the Huerfanito #101 well site located in Section 2, Township 26 North, Range 9 West, San Juan County, New Mexico. A brief site assessment was conducted and the regulatory standards were determined to be 100 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to depth to groundwater being 90 feet and horizontal distance to surface water being between 200 and 1000 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases.

Upon Envirotech personnel's arrival on December 2, 2010, one (1) five (5)-point composite sample was collected from visual staining in the 21 feet by 21 feet by 5 feet deep BGT pit. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The sample returned results above the regulatory standards for TPH and organic vapors, confirming a release did occur. The visual staining was then excavated to the approximate extents of 13 feet by 13 feet by 7 feet deep next to the southeast corner of the BGT pit; see enclosed *field notes*. One (1) composite sample was collected from the remaining portion of the original BGT pit; see enclosed *field notes*. Two (2) samples were collected from the inner excavation; see enclosed *field notes*. One (1) composite sample was collected from the walls of the inner excavation. One (1) composite sample was collected from the bottom of the inner excavation. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector. The sample collected from the remaining portion of the BGT pit and the sample collected from the wall of the inner excavation returned results below the regulatory standards for organic vapors but above the 100 ppm regulatory standards for TPH; see enclosed *field notes*. The sample collected from the bottom of the inner excavation returned results above the regulatory standards for TPH and organic vapors; see enclosed *field notes*. The samples were then collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015; additionally the sample taken from the bottom of the inner excavation was also submitted into Envirotech's Analytical Laboratory to be analyzed for benzene and BTEX using USEPA Method 8021. The samples returned results below the regulatory standards for all constituents analyzed with the exception of the bottom

Client: Cope



Location No:

C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: OF

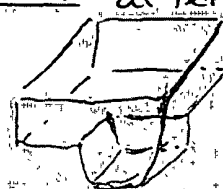
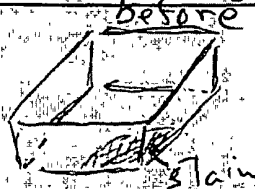
 LOCATION: NAME: Huerfano WELL #: 101
 QUAD/UNIT: SEC: 2 TWP: 26N RNG: 3W PM: U M: U C: N ST: NA
 QTR/FOOTAGE: 800' N 800' E CONTRACTOR: Kellogg Oil
DATE STARTED: 12/2/10DATE FINISHED: 12/3/10

ENVIRONMENTAL

SPECIALIST: RenéEXCAVATION APPROX: 21 FT. X 13 FT. X 7 FT. DEEP CUBIC YARDAGE:DISPOSAL FACILITY: Land Farm REMEDIATION METHOD: Land FarmLAND USE: Grazing LEASE: B-9320 LAND OWNER: FederalCAUSE OF RELEASE: B6T over flow or leak MATERIAL RELEASED: CondensateSPILL LOCATED APPROXIMATELY: 87' FT. W S W FROM Well headDEPTH TO GROUNDWATER: 90' NEAREST WATER SOURCE: NEAREST SURFACE WATER: 760'NMOC D RANKING SCORE: 20 NMOC D TPH CLOSURE STD: 100 PPM after

SOIL AND EXCAVATION DESCRIPTION:

- (3/4) 3/4 Bottom sampled points
 (W) walls sampled points
 (12) Bottom 12' sampled points

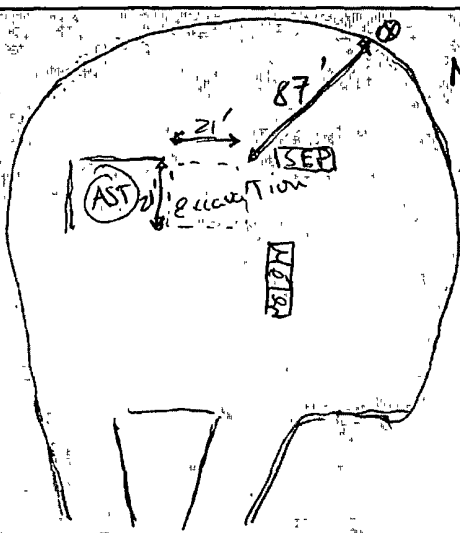


SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	ml FREON	DILUTION	READING	CALC. ppm
246 PPM	14:45	2005 TD					739	
SPT composite	15:00	Stain		5	20	X 4	834	13336
3PT composite	15:15	3/4 Bottom		1	1		75	300
4PT composite	16:00	Walls		1	1		545	2180
5PT composite	16:15	Bottom 12'		1	1		462	1848

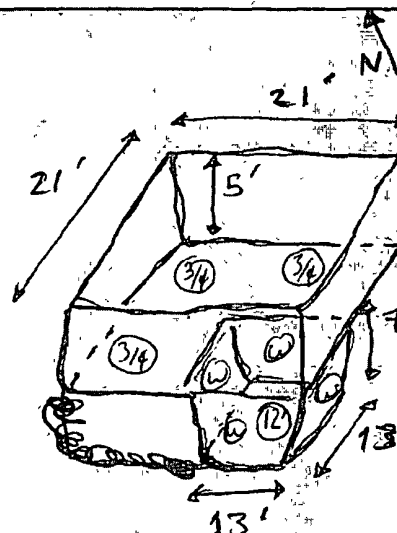
SPILL PERIMETER

OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)	
34 Stain	715	
34 Bottom	0.7	
Walls	11.4	
Bottom 12'	223	
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLED OUT: ONSITE:



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: ConocoPhillips Project #: 92115-1521
Sample No.: 1 Date Reported: 12/30/2010
Sample ID: Stain Composite Date Sampled: 12/2/2010
Sample Matrix: Soil Date Analyzed: 12/2/2010
Preservative: Cool Analysis Needed: TPH-418.1
Condition: Cool and Intact

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	3,340	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Huerfanito #101

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia Reyes

Printed

Review

Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 3
Sample ID: Wall Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1521
Date Reported: 12/30/2010
Date Sampled: 12/2/2010
Date Analyzed: 12/2/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons

2,180

5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Store No. 4551, 1978.

Comments: **Huerfanito #101**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia Reyes

Printed

Review

Toni McKnight, EIT

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 2-Dec-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	239
	246	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

Rene Garcia Reyes

Print Name

Review

Toni McKnight, EIT

Print Name

12/30/2010

Date

12/30/2010

Date



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 7-Dec-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	241
	246	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

Rene Garcia Reyes

Print Name

Date

12/30/2010

Review

Toni McKnight, EIT

Print Name

Date

12/30/2010



envirotech
Analytical Laboratory

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	ConocoPhillips	Project #:	92115-1521
Sample ID:	Walls	Date Reported:	12-03-10
Laboratory Number:	56602	Date Sampled:	12-02-10
Chain of Custody No:	10835	Date Received:	12-02-10
Sample Matrix:	Soil	Date Extracted:	12-03-10
Preservative:	Cool	Date Analyzed:	12-03-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	7.7	0.1
Total Petroleum Hydrocarbons	7.7	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Huerfanito #101 (hBr)/Confirmation Sampling**

Analyst

Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-03-10 QA/QC	Date Reported:	12-03-10
Laboratory Number:	56597	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-03-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	12-03-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	12-03-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1

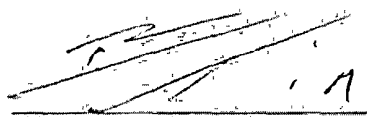
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	39.7	37.7	5.0%	0 - 30%
Diesel Range C10 - C28	2.8	2.6	7.1%	0 - 30%

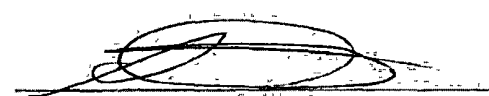
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	39.7	250	332	115%	75 - 125%
Diesel Range C10 - C28	2.8	250	261	103%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 56597, 56599-56604


Analyst


Review

Client:	N/A	Project #:	N/A
Sample ID:	1203BBLK QA/QC	Date Reported:	12-03-10
Laboratory Number:	56597	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-03-10
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	4.4434E+005	4.4523E+005	0.2%	ND	0.1
Toluene	5.3055E+005	5.3162E+005	0.2%	ND	0.1
Ethylbenzene	4.8759E+005	4.8857E+005	0.2%	ND	0.1
p,m-Xylene	1.1496E+006	1.1519E+006	0.2%	ND	0.1
o-Xylene	4.4863E+005	4.4953E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	31.2	40.2	28.8%	0 - 30%	1.2
o-Xylene	10.4	11.8	13.5%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	544	109%	39 - 150
Toluene	ND	500	557	111%	46 - 148
Ethylbenzene	ND	500	554	111%	32 - 160
p,m-Xylene	31.2	1000	1,190	115%	46 - 148
o-Xylene	10.4	500	576	113%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments: QA/QC for Samples 56597, 56599-56600, 56603

Analyst

Review



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**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

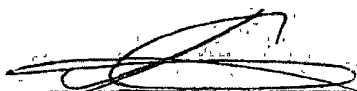
Client:	ConocoPhillips	Project #:	92115-1521
Sample ID:	Bottom 14.5	Date Reported:	12-08-10
Laboratory Number:	56685	Date Sampled:	12-07-10
Chain of Custody No:	10857	Date Received:	12-07-10
Sample Matrix:	Soil	Date Extracted:	12-08-10
Preservative:	Cool	Date Analyzed:	12-08-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

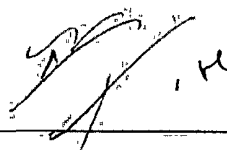
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Huerfanito 101 (hBr)/Confirmation Sampling**



Analyst



Review

CHAIN OF CUSTODY RECORD

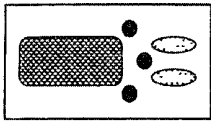
10857

Client: CORC			Project Name / Location: Hurricane 101 (LBr) / Sp. Confirmation Sampling			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: Rene Garcia Reyes			TPH (Method 8015) BTEX (Method 8021) VOC (Method 8260) RCRA 8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE Sample Cool Sample Intact														
Client Phone No.:			Client No.: 92115-1521																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
Bottom H.S	12/7/10	13:35	50685	Soil Solid	102			X	X										X	X
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				Soil Solid																
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<i>[Signature]</i>			12/7/10		15:00		<i>[Signature]</i>			12/7/10		15:00								
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													

RUSH


envirotech
 Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



BASIN DISPOSAL, INC.

"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"

P.O. BOX 100 - AZTEC, NEW MEXICO 87410 - PHONE (505) 334-3013

March 1, 2011

**Oil Conservation Division
Attn: Brad Jones
1220 South St. Francis Dr.
Santa Fe, NM 87505
FAX (505) 476-3462**

**RE: API: 30-045-26862, Basin Disposal Facility
Monthly Water Disposal Report**

Dear Mr. Jones,

Enclosed please find the Form C-120A submittals for the previous month.

If you need anything else from me, please feel free to contact me on my cell phone at 505-320-2840 or email at bdinc@digii.net.

Sincerely,

**John Volkerding
General Manager**

Encl: (1 copy)

**Cc: File
Brandon Powell, OCD/Aztec, 1000 Rio Brazos, Aztec, NM 87410**

Form C-120A
Revised June 10, 2003
Submit 1 Copy to Santa Fe
And 1 Copy to Appropriate
District Office by 15th of
Second Succeeding Month.

Telephone No. 505-334-3013