

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 Kelsi Harrington
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-599-3403
Facility Name Lewis Park 101	Facility Type Gas Well API # 3004527622
Surface Owner Federal	Mineral Owner Federal Lease No. NM-82815

LOCATION OF RELEASE

Unit Letter M	Section 13	Township 31N	Range 08W	Feet from the 975'	North/South Line South	Feet from the 870'	East/West Line West	County San Juan
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Latitude **36.89273° N** Longitude **-107.63276° W**

RCVD APR 7 '11
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release – Produced Water	Volume of Release – 5 BBL	Volume Recovered – 4 BBL
Source of Release: Filter Screen Housing Gasket	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 2/7/11 12:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell (NMOCD): Verbal and email	
By Whom? Kelsi Harrington	Date and Hour – 2/8/2011 11:15 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully * **An estimated 1 BBL of fluid released from the berm, traveled through location where it entered into a bar ditch and traveled approximately 240' off location. The last 10' of the spill path that left location entered the Lewis Park Canyon.**

Describe Cause of Problem and Remedial Action Taken * **Freezing temperature caused a leak to develop at the filter screen housing gasket for the transfer pump suction line. Upon discovery, the valve was closed & a water truck was called to location.**

Describe Area Affected and Cleanup Action Taken. * **Approximately 4 BBL of fluid remained within the berm and was recovered by a vacuum truck. As discussed in the previous section, an estimated 1 BBL of fluid released from the berm, went onto location where it entered into a bar ditch and traveled approximately 240' off location. The last 10' of the spill path that left location entered the Lewis Park Canyon. Confirmation sampling occurred and analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.**

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.

Signature <i>Kelsi Harrington</i>	OIL CONSERVATION DIVISION	
Printed Name: Kelsi Harrington	Approved by District Supervisor <i>Bob Powell</i>	
Title: Environmental Consultant	Approval Date: 4-7-11	Expiration Date:
E-mail Address kelsi.g.harrington@conocophillips.com	Conditions of Approval	Attached <input type="checkbox"/>
Date 3/30/2011 Phone: 505-599-3403	NJK1122150916	

* Attach Additional Sheets If Necessary



March 24, 2011

Project No. 92115-1612

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

Phone: (505) 599-3403
Cell: (505) 320-2461

RE: SPILL ASSESSMENT AND CONFIRMATION SAMPLING DOCUMENTATION FOR THE LEWIS PARK 101 (hBr), SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for spill assessment and confirmation sampling activities performed at The Lewis Park 101 (hBr) well site located in Section 13, Township 31 North, Range 8 West, San Juan County, New Mexico. Upon arrival, a brief site assessment was conducted, and the regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to a horizontal distance to surface water being less than 200 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

On February 25, 2011, Six (6) samples were collected from the area; see attached *Field Notes* for sample locations. The samples were analyzed in the field for TPH using USEPA Method 418.1, for organic vapors using a photoionization detector (PID) and for chlorides; see attached *Field Notes*. One (1) sample was collected into a four (4)-ounce glass jar from the Location Path and returned to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015. Additionally three (3) samples were collected into four (4)-ounce glass jars to be analyzed for chlorides using USEPA Method 4500: one (1) sample from the Final Ditch, one (1) sample from the Road Cross, and one (1) sample from the Wash; see attached *Analytical Results*. All samples were below the regulatory limits for all constituents analyzed; see attached *Analytical Results*. Therefore, Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Rene Garcia-Reyes
Senior Environmental Field Technician
rgarcia@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results

Cc: Client File 92115

Location No: 3004527622
C.O.C. No: 36-892696 #98
- 107.63324201

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: / OF /

LOCATION: NAME: Lewis Park WELL #: 101 (LBr)
QUAD/UNIT: SEC: 13 TWP: 31 N RNG: 8 W PM: CNTY: ST TAMM
QTR/FOOTAGE: 876' W & 975' S CONTRACTOR: —

DATE STARTED: 2/25/2011

DATE FINISHED: 2/25/20

ENVIRONMENTAL

SPECIALIST: *Benio*


EXCAVATION APPROX: ~~1~~ FT. X ~~1~~ FT. X ~~1~~ FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____

LAND USE: LEASE: 114-82815 LAND OWNER:

CAUSE OF RELEASE: leak on gasket for pump MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: 45 FT. 122° (East) FROM (2611) 26.5

DEPTH TO GROUNDWATER: N426 NEAREST WATER SOURCE: 1.3 mi NEAREST SURFACE WATER:  20

NMOC D RANKING SCORE: 20 NMOC D TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

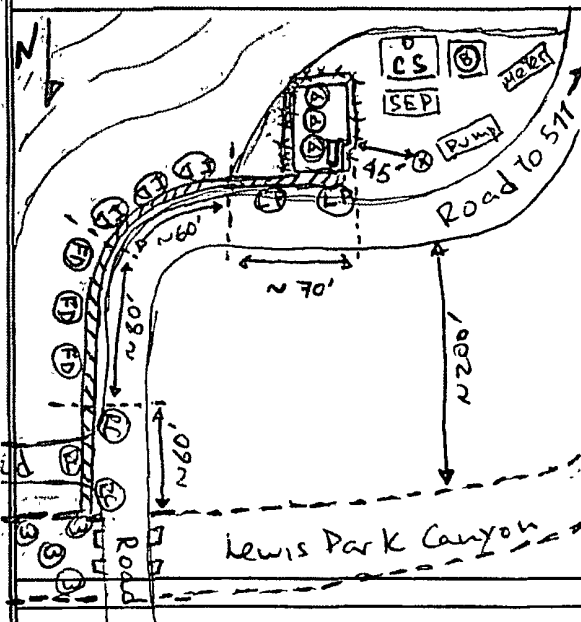
Depth to ground water was calculating by subtracting the river (Navajo Dam) altitude from the well site altitude. Final Ditch, Road Cross & Wash turned for chlorides; location path for poi

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 ppm ppm	13:05	200 Sd					210	
5pt composite	15:00	Inside Barn		5	20	< 4	17	68
	15:05	Location Path					23	92
	15:10	Initial Ditch					16	64
	15:15 Final	Initial Ditch					14	56
	15:20	road cross					21	84
	15:25	Wash					22	88

SPILL PERIMETER

OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
Inside berm	ND
Location Path	ND
Initial Ditch	ND
Final Ditch	ND
Road Cross	ND
Wash	ND
chlorides	
1.000000000	

SAMPLE ID	ANALYSIS	TIME
Final Ditch		ND
Road Cross		ND
Wash		ND

- (LP) Location Path sampled
 (ID) Initial Ditch
 (FD) Final Ditch
 (RC) Road Cross
 (W) Wash
 III Spill Trace
 CS Compressor House
 (B) BGT
 (A) AST
 (X) Water
 # Berm hole
-

TRAVEL NOTES:	CALLED OUT:	ONSITE:
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① Inside Beam sampled point

LOC # 11248



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-1612
Sample No.:	1	Date Reported:	2/25/2011
Sample ID:	5 Point Composite Inside Berm	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	68	5.0
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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: **Lewis Park Unit# 101 (hBr)**

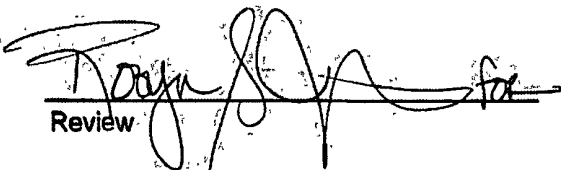
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Rene Garcia-Reyes

Printed



Review
Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-1612
Sample No.:	2	Date Reported:	2/25/2011
Sample ID:	5 pt Composite Location Path	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	92	5.0
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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: **Lewis Park Unit# 101 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia-Reyes

Printed

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Toni McKnight, EIT

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-1612
Sample No.:	3	Date Reported:	2/25/2011
Sample ID:	5 Point Composite Initial Ditch	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	64	5.0
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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: **Lewis Park Unit# 101 (hBr)**

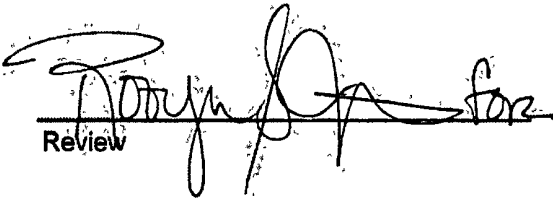
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Rene Garcia-Reyes

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Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-1612
Sample No.:	4	Date Reported:	2/25/2011
Sample ID:	5 Point Composite Final Ditch	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	56	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.

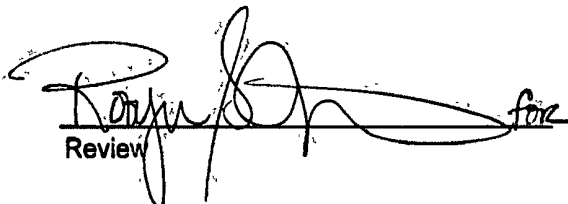
Comments: **Lewis Park Unit# 101 (hBr)**

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	Project #:	92115-1612
Sample No.:	5	Date Reported:	2/25/2011
Sample ID:	5 Point Composite Road Cross	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	84	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: **Lewis Park Unit# 101 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia-Reyes

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Toni McKnight, EIT

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-1612
Sample No.:	6	Date Reported:	2/25/2011
Sample ID:	5 Point Composite Wash	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	88	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: **Lewis Park Unit# 101 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia-Reyes

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Toni McKnight, EIT

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Analytical Laboratory

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

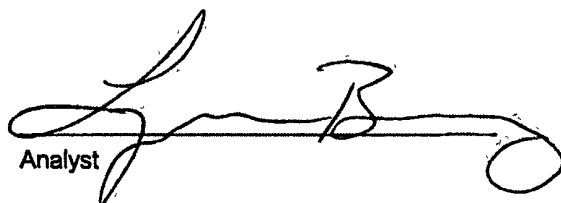
Client:	ConocoPhillips	Project #:	92115-1612
Sample ID:	Location Path	Date Reported:	02-28-11
Laboratory Number:	57394	Date Sampled:	02-25-11
Chain of Custody No:	11248	Date Received:	02-25-11
Sample Matrix:	Soil	Date Extracted:	02-28-11
Preservative:	Cool	Date Analyzed:	02-28-11
Condition:	Intact	Analysis Requested:	8015 TPH

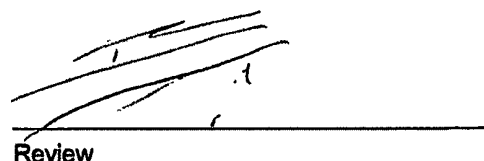
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Lewis Park #101**


Analyst


Review



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Analytical Laboratory

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-28-11 QA/QC	Date Reported:	02-28-11
Laboratory Number:	57365	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-28-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	02-28-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	02-28-11	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	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

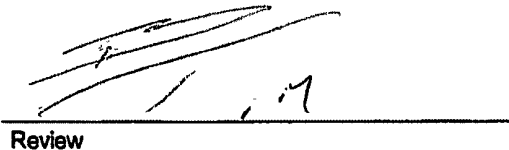
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	258	103%	75 - 125%
Diesel Range C10 - C28	ND	250	253	101%	75 - 125%

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 57364-57365, 57367-57373, 57394

Analyst 

Review 



Client:	ConocoPhillips	Project #:	92115-1612
Sample ID:	Final Ditch	Date Reported:	02/28/11
Lab ID#:	57395	Date Sampled:	02/25/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11248

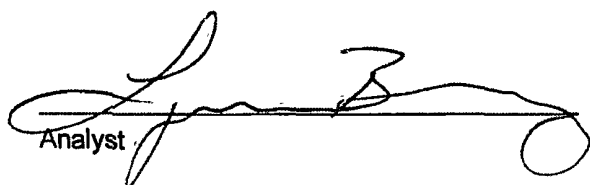
Parameter	Concentration (mg/Kg)
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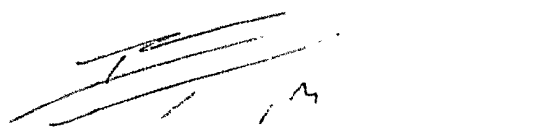
Total Chloride

160

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Lewis Park #101**


Analyst


Review



Client:	ConocoPhillips	Project #:	92115-1612
Sample ID:	Road Cross	Date Reported:	02/28/11
Lab ID#:	57396	Date Sampled:	02/25/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11248

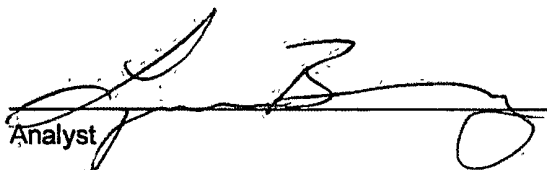
Parameter	Concentration (mg/Kg)
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Total Chloride

80

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Lewis Park #101**


Analyst


Review



Client:	ConocoPhillips	Project #:	92115-1612
Sample ID:	Wash	Date Reported:	02/28/11
Lab ID#:	57397	Date Sampled:	02/25/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11248

Parameter	Concentration (mg/Kg)
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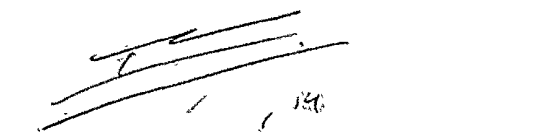
Total Chloride

60

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Lewis Park #101**


Analyst


Review

CHAIN OF CUSTODY RECORD

11248

Client: POPC			Project Name / Location: Lewis Park # 101			ANALYSIS / PARAMETERS																															
Client Address:			Sampler Name: Rene Garcia Reyes			<table border="1"> <tr> <td>TPH (Method 8015)</td> <td>BTEX (Method 8021)</td> <td>VOC (Method 8260)</td> <td>RCRA 8 Metals</td> <td>Cation / Anion</td> <td>RCI</td> <td>TCLP with H/P</td> <td>PAH</td> <td>TPH (418.1)</td> <td>CHLORIDE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Sample Cool</td> <td>Sample Intact</td> </tr> </table>														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
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 - 1612																																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative																															
						H ₂ O ₂	HCl	Other																													
Location Path	15:05	2/25/11	57394	Soil Solid	4oz			X	X									X	X																		
Final Ditch	15:15		57395	Soil Solid				X									X	X	X																		
Road Cross	15:20		57396	Soil Solid				X									X	X	X																		
Wash	15:25		57397	Soil Solid				X									X	X	X																		
				Soil Solid	Sludge Aqueous																																
				Soil Solid	Sludge Aqueous																																
				Soil Solid	Sludge Aqueous																																
				Soil Solid	Sludge Aqueous																																
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				Soil Solid	Sludge Aqueous																																
Relinquished by: (Signature)			Date	Time	Received by: (Signature)										Date	Time																					
			2/25/11	18:00	Rene Garcia										2/25/11	18:00																					
Relinquished by: (Signature)					Received by: (Signature)																																
Relinquished by: (Signature)					Received by: (Signature)																																

RUSH



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Analytical Laboratory

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