

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	WPX Energy	Contact	Buddy Shaw
Address	P.O. Box 640 Aztec, NM 87410	Telephone No.	333-1878
Facility Name	Chaco 2308-09A #145H	Facility Type	Producing Oil Well
Surface Owner	Federal	Mineral Owner	Federal
		API No.	30-045-35496

LOCATION OF RELEASE

Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	San Juan
A	9	23N	8W				

Latitude 36.24581 Longitude 107.68389

NATURE OF RELEASE

Type of Release	Produced Water for Frac	Volume of Release-300 bbls	Volume Recovered- 0 bbls
Source of Release- Storage Tank-Frac Water		Date and Hour of Occurrence- 3/30/2014 AM	Date and Hour of Discovery Same
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Buddy Shaw email to Brandon/Shari	
By Whom?		Date and Hour	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

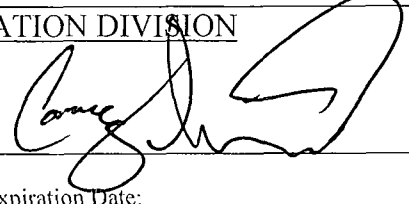
If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Tank valve broke off releasing water to pad-300 bbls . 0 bbls recovered. Soil samples taken to Lab

OIL CONS. DIV DIST. 3
MAY 30 2014

Describe Area Affected and Cleanup Action Taken.*
Soil Removed to Envirotech
Lab Results-#1 Soil TPH-87.9ppm Chlorides-2260ppm
#2 Soil 51.8 2820

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: <u>Buddy Shaw</u>		OIL CONSERVATION DIVISION	
Printed Name: Buddy Shaw		Approved by Environmental Specialist: 	
Title: Environmental Supervisor		Approval Date: <u>9/26/14</u>	Expiration Date:
E-mail Address: buddy.shaw@wpxenergy		Conditions of Approval: <u>Apply Application of Gypsum</u>	Attached <input type="checkbox"/>
Date: 4/9/2014	Phone: 333-1878	<u>to Surface Impacts</u>	

* Attach Additional Sheets If Necessary

#NCS 142 6954827

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Analytical Report

Report Summary

Client: WPX Energy, Inc.
Chain Of Custody Number: 16708
Samples Received: 4/1/2014 10:45:00AM
Job Number: 04108-0006
Work Order: P404003
Project Name/Location: Chaco 145H

Entire Report Reviewed By:

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

Date: 4/4/14

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.



WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 145H
Project Number: 04108-0006
Project Manager: Buddy Shaw

Reported:
04-Apr-14 16:47

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1	P404003-01A	Soil	04/01/14	04/01/14	Glass Jar, 4 oz.
#2	P404003-02A	Soil	04/01/14	04/01/14	Glass Jar, 4 oz.
#3	P404003-03A	Aqueous	04/01/14	04/01/14	Poly 500mL

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 145H
Project Number: 04108-0006
Project Manager: Buddy Shaw

Reported:
04-Apr-14 16:47

#1

P404003-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Petroleum Hydrocarbons by 418.1										
Total Petroleum Hydrocarbons	87.9	20.0	mg/kg	1	1414026	04/02/14	04/02/14	EPA 418.1		
Cation/Anion Analysis										
Chloride	2260	9.98	mg/kg	1	1414028	04/03/14	04/03/14	EPA 300.0		

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WPX Energy, Inc.	Project Name:	Chaco 145H	Reported:
PO Box 21218	Project Number:	04108-0006	04-Apr-14 16:47
Tulsa OK, 74121-1358	Project Manager:	Buddy Shaw	

#2

P404003-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Petroleum Hydrocarbons by 418.1										
Total Petroleum Hydrocarbons	51.8	19.9	mg/kg	1	1414026	04/02/14	04/02/14	EPA 418.1		
Cation/Anion Analysis										
Chloride	2820	9.94	mg/kg	1	1414028	04/03/14	04/03/14	EPA 300.0		

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WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358	Project Name: Chaco 145H Project Number: 04108-0006 Project Manager: Buddy Shaw	Reported: 04-Apr-14 16:47
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#3

P404003-03 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Cation/Anion Analysis										
pH @16.5°C	7.41		pH Units	1		1414013	04/01/14 11:10	04/01/14 11:11	EPA 150.1	
Electrical Conductivity	45200		umhos/cm	1		1414013	04/01/14 11:10	04/01/14 11:11	EPA 120.1	
Total Dissolved Solids	31100		mg/L	1		1414017	04/01/14	04/01/14	EPA 160.1	
Sodium Absorption Ratio	101		N/A	1		1414032	04/04/14	04/04/14	[CALC]	
Total Alkalinity as CaCO3	1110	10.0	mg/L	1		1414019	04/02/14	04/02/14	Hach Method 8203	
Total Hardness as CaCO3	760	0.07	mg/L			[CALC]	04/02/14	04/04/14	[CALC]	
Bicarbonate as CaCO3	1110	10.0	mg/L	1		1414019	04/02/14	04/02/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1		1414019	04/02/14	04/02/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1		1414019	04/02/14	04/02/14	Hach Method 8203	
Nitrate-N	ND	10.0	mg/L	100		1414018	04/01/14 15:39	04/01/14 19:08	EPA 300.0	
Nitrite-N	ND	10.0	mg/L	100		1414018	04/01/14 15:39	04/01/14 19:08	EPA 300.0	
Chloride	17000	100	mg/L	100		1414018	04/01/14	04/01/14	EPA 300.0	
Fluoride	ND	10.0	mg/L	100		1414018	04/01/14	04/01/14	EPA 300.0	
o-Phosphate	ND	50.0	mg/L	100		1414018	04/01/14 15:39	04/01/14 19:08	EPA 300.0	
Sulfate	ND	100	mg/L	100		1414018	04/01/14	04/01/14	EPA 300.0	
Iron	0.08	0.01	mg/L	1		1414014	04/02/14	04/04/14	EPA 6010C	
Calcium	243	0.01	mg/L	1		1414014	04/02/14	04/04/14	EPA 6010C	
Magnesium	36.9	0.01	mg/L	1		1414014	04/02/14	04/04/14	EPA 6010C	
Potassium	166	0.01	mg/L	1		1414014	04/02/14	04/04/14	EPA 6010C	
Sodium	6370	0.01	mg/L	1		1414014	04/02/14	04/04/14	EPA 6010C	

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WPX Energy, Inc.	Project Name:	Chaco 145H	Reported: 04-Apr-14 16:47
PO Box 21218	Project Number:	04108-0006	
Tulsa OK, 74121-1358	Project Manager:	Buddy Shaw	

Total Petroleum Hydrocarbons by 418.1 - 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 1414026 ~ 418 Freon Extraction

Blank (1414026-BLK1)

Prepared & Analyzed: 02-Apr-14

Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
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Duplicate (1414026-DUP1)

Source: P403110-01

Prepared & Analyzed: 02-Apr-14

Total Petroleum Hydrocarbons	400	20.0	mg/kg		431			7.45	30	
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Matrix Spike (1414026-MS1)

Source: P403110-01

Prepared & Analyzed: 02-Apr-14

Total Petroleum Hydrocarbons	2500	20.0	mg/kg	2000	431	104	80-120			
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WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358	Project Name: Chaco 145H Project Number: 04108-0006 Project Manager: Buddy Shaw	Reported: 04-Apr-14 16:47
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1414018 - Anion Extraction EPA 300.0										
Blank (1414018-BLK1)				Prepared & Analyzed: 01-Apr-14						
Nitrate-N	ND	0.10	mg/L							
Nitrite-N	ND	0.10	"							
Chloride	ND	1.00	"							
Fluoride	ND	0.10	"							
o-Phosphate	ND	0.50	"							
Sulfate	ND	1.00	"							
LCS (1414018-BS1)				Prepared & Analyzed: 01-Apr-14						
Nitrate-N	5.01	0.10	mg/L	5.00		100	90-110			
Nitrite-N	5.00	0.10	"	5.00		100	90-110			
Chloride	49.9	1.00	"	50.0		99.8	90-110			
Fluoride	5.04	0.10	"	5.00		101	90-110			
o-Phosphate	24.5	0.50	"	25.0		98.1	90-110			
Sulfate	49.4	1.00	"	50.0		98.9	90-110			
Matrix Spike (1414018-MS1)				Source: P404003-03	Prepared & Analyzed: 01-Apr-14					
Nitrate-N	497	10.0	mg/L	500	ND	99.4	80-120			
Nitrite-N	491	10.0	"	500	ND	98.2	80-120			
Chloride	22200	100	"	5000	17000	103	80-120			
Fluoride	493	10.0	"	500	ND	98.7	80-120			
o-Phosphate	2450	50.0	"	2500	ND	98.0	80-120			
Sulfate	5010	100	"	5000	ND	100	80-120			
Matrix Spike Dup (1414018-MSD1)				Source: P404003-03	Prepared & Analyzed: 01-Apr-14					
Nitrate-N	494	10.0	mg/L	500	ND	98.8	80-120	0.686	20	
Nitrite-N	494	10.0	"	500	ND	98.9	80-120	0.670	20	
Chloride	22000	100	"	5000	17000	100	80-120	0.709	20	
Fluoride	498	10.0	"	500	ND	99.5	80-120	0.828	20	
o-Phosphate	2430	50.0	"	2500	ND	97.1	80-120	0.935	20	
Sulfate	4980	100	"	5000	ND	99.6	80-120	0.599	20	

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 145H
Project Number: 04108-0006
Project Manager: Buddy Shaw

Reported:
04-Apr-14 16:47

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1414028 - Anion Extraction EPA 300.0										
Blank (1414028-BLK1)				Prepared & Analyzed: 03-Apr-14						
Chloride	ND	9.86	mg/kg							
LCS (1414028-BS1)				Prepared & Analyzed: 03-Apr-14						
Chloride	488	9.91	mg/kg	495		98.4	90-110			
Matrix Spike (1414028-MS1)				Source: P403110-01 Prepared & Analyzed: 03-Apr-14						
Chloride	877	9.93	mg/kg	497	395	97.2	80-120			
Matrix Spike Dup (1414028-MSD1)				Source: P403110-01 Prepared & Analyzed: 03-Apr-14						
Chloride	900	9.84	mg/kg	492	395	103	80-120	2.54	20	

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WPX Energy, Inc.
PO Box 21218
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Project Name: Chaco 145H
Project Number: 04108-0006
Project Manager: Buddy Shaw

Reported:
04-Apr-14 16:47


Notes and Definitions

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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CHAIN OF CUSTODY RECORD

16708

Client: Buddy Shaw		Project Name / Location: Chaco 1451+		ANALYSIS / PARAMETERS																																													
Email results to: WPX Energy		Sampler Name: Cody Boyd		<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th>TPH (Method 8015)</th> <th>BTEX (Method 8021)</th> <th>VOC (Method 8260)</th> <th>RCRA 8 Metals</th> <th>Cation / Anion</th> <th>RCI</th> <th>TCLP with H/P</th> <th>CO Table 910-1</th> <th>TPH (418.1)</th> <th>CHLORIDE</th> <th></th> <th></th> <th></th> <th></th> <th>Sample Cool</th> <th>Sample Intact</th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>														TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	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	CO Table 910-1	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact																				
Client Phone No.: 333-1878		Client No.: 04108-0004																																															
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH	BTEX	VOC	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact																										
					HNO ₃	HCl																																											
#1	4-1-14	10 AM	P404003-01 <i>Soil</i>														X	X					Y	Y																									
#2	4-1-14	1015	P404003-02 <i>Soil</i>														X	X					L	L																									
#3	4-1-14	11 AM	P404003-03 <i>WATER</i>									X						Z					L	L																									
Relinquished by: (Signature) B. Shaw				Date	Time	Received by: (Signature) <i>[Signature]</i>										Date	Time																																
				4-1-14	1045 AM											4/1/14	1045																																
Relinquished by: (Signature)						Received by: (Signature)																																											
Sample Matrix																																																	
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input checked="" type="checkbox"/> Other <input type="checkbox"/>																																																	
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.				<div style="text-align: center;">  </div> <div style="text-align: right; font-size: 1.2em;"> 18.1, 17.1 16.9 °C </div>																																													