

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

JUL 02 2015

Form C-141  
Revised August 8, 2011

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

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 Production	Contact Heather Foor
Address PO Box 640	Telephone No. 970 433 8792
Facility Name Rosa 271 A	Facility Type Well Site
Surface Owner USFS	Mineral Owner USFS
API No. 30-039-29673	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	35	31N	5W	2410	South	990	East	Rio Arriba

Latitude 36.855457 Longitude -107.325919

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 40 BBLS	Volume Recovered 10 bbls
Source of Release Packing failure on a pumping unit	Date and Hour of Occurrence 6-16-15 10:30	Date and Hour of Discovery 6-18-15 11:30
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith, NMOCD & J.J. Miller, USFS	
By Whom? Heather Foor	Date and Hour 6-18-15 at 13:24	
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.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*  
On June 18, 2015 at approximately 11:00 a.m. ~40 bbls of produced water was observed on the pad surface of the Rosa 271A leading about 20ft off site as a result of a packing failure on a pumping unit. The source was immediately repaired. A water truck was called to recover any free liquids from the cellar and some areas of pooling, however much of the fluid had saturated the ground. A treatment of gypsum was applied to the portion of the release that remained on location.

Describe Area Affected and Cleanup Action Taken.\*  
A water truck was called to recover any free liquids from the cellar and some areas of pooling, however much of the fluid had saturated the ground. A confirmation sample was collected from the off-site impacted area to verify if any remediation is necessary. Based on the attached Site Ranking Determination, the site Total Ranking Score is 10. The analytical results of the impacted area tested below the NMOCD recommended remediation action requirements.  
Based on these results, WPX respectfully requests closure of this incident.

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>Heather Foor</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Heather Foor	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Environmental Specialist	Approval Date: 8/12/15	Expiration Date:
E-mail Address: heather.foor@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6-30-2015	Phone: 970-433-8792	

\* Attach Additional Sheets If Necessary

#NCS 15 22428668

Table 1. NMOCD Site Ranking Determination  
 Chaco 2206 2H 225H  
 Sandoval County, New Mexico  
 WPX

Ranking Criteria	Ranking Score	Site-Based Ranking Score	Basis for Determination	Data Sources
<b>Depth to Groundwater</b>				
<50 feet	20	0	Test well drilled at the Chaco 2206 2H 225H location on May 9, 2013. Driller reported depth to water at 111 feet.	NMOCD Online database, Counselor Quadrangle, Google Earth, and Visual Inspection
50-99 feet	10			
>100 feet	0			
<b>Wellhead Protection Area</b>				
<1,000 feet from a water source, or <200 feet from private domestic water source	20 (Yes)	0	No water source or recorded water wells within 1,000 feet radius of location. Pond is located 1,316 feet southeast of the location.	NMOSE NMWRRS, Counselor Quadrangle, Google Earth, and Visual Inspection
	0 (No)			
<b>Distance to Surface Water Body</b>				
<200 horizontal feet	20	10	An unnamed wash which drains to the wash in Venado Canyon is located approximately 900 feet northeast of the location. Additional surface waters include the wash in Venado Canyon which is located approximately 1,160 feet east of the location, and a pond located approximately 1,330 feet southeast of the location.	Counselor Quadrangle, Google Earth, and Visual Inspection
200 to 1,000 horizontal feet	10			
>1,000 horizontal feet	0			
<b>Site Based Total Ranking Score</b>		<b>10</b>		



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 29, 2015

Deborah Watson

Rule Engineering LLC  
501 Airport Dr., Ste 205  
Farmington, NM 87401  
TEL: (505) 860-2712  
FAX

RE: Rosa 271A

OrderNo.: 1506970

Dear Deborah Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/20/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-1

Project: Rosa 271A

Collection Date: 6/19/2015 1:30:00 PM

Lab ID: 1506970-001

Matrix: SOIL

Received Date: 6/20/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	820	30		mg/Kg	20	6/26/2015 3:27:04 AM	19959
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	34	9.6		mg/Kg	1	6/24/2015 5:43:18 PM	19839
Surr: DNOP	88.9	57.9-140		%REC	1	6/24/2015 5:43:18 PM	19839
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/24/2015 12:10:44 AM	19852
Surr: BFB	83.0	75.4-113		%REC	1	6/24/2015 12:10:44 AM	19852
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.048		mg/Kg	1	6/24/2015 12:10:44 AM	19852
Toluene	ND	0.048		mg/Kg	1	6/24/2015 12:10:44 AM	19852
Ethylbenzene	ND	0.048		mg/Kg	1	6/24/2015 12:10:44 AM	19852
Xylenes, Total	ND	0.097		mg/Kg	1	6/24/2015 12:10:44 AM	19852
Surr: 4-Bromofluorobenzene	84.8	80-120		%REC	1	6/24/2015 12:10:44 AM	19852

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1506970

29-Jun-15

Client: Rule Engineering LLC

Project: Rosa 271A

Sample ID	<b>MB-19839</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>19839</b>	RunNo:	<b>27013</b>					
Prep Date:	<b>6/19/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807593</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		105	57.9	140			

Sample ID	<b>LCS-19839</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>19839</b>	RunNo:	<b>27013</b>					
Prep Date:	<b>6/19/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807594</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.1	57.4	139			
Surr: DNOP	5.2		5.000		104	57.9	140			

### Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH Not In Range                             |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1506970

29-Jun-15

**Client:** Rule Engineering LLC

**Project:** Rosa 271A

Sample ID	<b>MB-19852</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807506</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		83.6	75.4	113			

Sample ID	<b>LCS-19852</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807507</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	64	130			
Surr: BFB	930		1000		93.3	75.4	113			

Sample ID	<b>1506970-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>SC-1</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/24/2015</b>	SeqNo:	<b>807510</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	28	4.9	24.51	0	113	47.9	144			
Surr: BFB	910		980.4		93.0	75.4	113			

Sample ID	<b>1506970-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>SC-1</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/24/2015</b>	SeqNo:	<b>807511</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	29	4.9	24.27	0	121	47.9	144	5.78	29.9	
Surr: BFB	900		970.9		92.5	75.4	113	0	0	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1506970

29-Jun-15

Client: Rule Engineering LLC

Project: Rosa 271A

Sample ID	<b>MB-19852</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807520</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.8	80	120			

Sample ID	<b>LCS-19852</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>19852</b>	RunNo:	<b>27021</b>					
Prep Date:	<b>6/22/2015</b>	Analysis Date:	<b>6/23/2015</b>	SeqNo:	<b>807521</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	106	76.6	128			
Toluene	1.0	0.050	1.000	0	103	75	124			
Ethylbenzene	1.1	0.050	1.000	0	106	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	105	78.8	124			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Client Name: **RULE ENGINEERING LL**

Work Order Number: **1506970**

RcptNo: **1**

Received by/date: *[Signature]* **06/20/15**  
 Logged By: **Lindsay Mangin** **8/20/2015 7:00:00 AM** *[Signature]*  
 Completed By: **Lindsay Mangin** **8/20/2015 7:22:10 AM** *[Signature]*  
 Reviewed By: *[Signature]* **08/20/15**

**Chain of Custody**

- 1. Custody seals intact on sample bottles? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
  - 5. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
  - 6. Sample(s) in proper container(s)? Yes  No
  - 7. Sufficient sample volume for indicated test(s)? Yes  No
  - 8. Are samples (except VOA and ONG) properly preserved? Yes  No
  - 9. Was preservative added to bottles? Yes  No  NA
  - 10. VOA vials have zero headspace? Yes  No  No VOA Vials
  - 11. Were any sample containers received broken? Yes  No
  - 12. Does paperwork match bottle labels? Yes  No
  - 13. Are matrices correctly identified on Chain of Custody? Yes  No
  - 14. Is it clear what analyses were requested? Yes  No
  - 15. Were all holding times able to be met? Yes  No
- # of preserved bottles checked for pH:   
 (<2 or >12 unless noted)   
 Adjusted?   
 Checked by:

**Special Handling (if applicable)**

- 16. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Yes			

