

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

JUN 15 2016

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 Production	Contact Deborah Watson
Address PO Box 640	Telephone No. 505-386-9693
Facility Name Rosa Unit # 212A	Facility Type Well Site
Surface Owner Federal	Mineral Owner Federal
API No. 30-039-27818	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	14	31N	06W	1140	South	1387	East	Rio Arriba

Latitude N36.895471 Longitude W107.427597

## NATURE OF RELEASE

Type of Release produced water	Volume of Release estimated 280 bbls (Some of PW likely traveled into pipeline via transfer pump)	Volume Recovered 200 bbls
Source of Release Equipment failure/Rock basket	Date and Hour of Occurrence 1/22/16 unknown	Date and Hour of Discovery 1/22/16 8:30 hrs
Was Immediate Notice Given? 24 hour notice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Katherina Diemer (BLM-FFO) message/email Cory Smith (NMOCD) email Vanessa Fields (NMOCD) phone call/email	
By Whom? Deborah Watson	Date and Hour 1/22/16 11:40 hrs and 1/22/16 11:57 AM email	
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.\*

Rock basket froze and cracked while transfer pump was in operation, produced water spilled from crack in rock basket. Spill was stopped and a water truck was brought in to recover produced water from secondary containment and the location on January 22, 2016.

## Describe Area Affected and Cleanup Action Taken.\*

- A water truck recovered 200 bbls of produced water.
- All fluids remained on location.
- On April 14, 2016, two 5-point composite samples were collected from the location. One sample was collected from within secondary containment and the other from the impacted area on location, outside secondary containment. The samples were analyzed for BTEX, TPH (GRO/DRO), and chloride. Representatives from NMOCD and BLM were present during sample collection.
- Confirmation sampling results were reported below NMOCD action levels. (Laboratory analytical report is enclosed.)
- WPX raked 250 lbs of gypsum into the soil within secondary containment. No further action 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Deborah Watson	Approved by Environmental Specialist: 	
Title: Environmental Specialist	Approval Date: 6/29/2016	Expiration Date:
E-mail Address: deborah.watson@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/14/2016	Phone: 505-330-1880	

\* Attach Additional Sheets If Necessary

NJF1602250315



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)

April 29, 2016

Debbie Watson  
WPX Energy  
721 S Main Ave  
Aztec, NM 87410  
TEL: (505) 333-1880  
FAX

RE: Rosa Unit 212A

OrderNo.: 1604646

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/15/2016 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", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604646

Date Reported: 4/29/2016

CLIENT: WPX Energy

Project: Rosa Unit 212A

Lab ID: 1604646-001

Matrix: SOIL

Client Sample ID: SC-1 (containment)

Collection Date: 4/14/2016 11:30:00 AM

Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	1600	75		mg/Kg	50	4/25/2016 8:31:45 PM	24941
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/19/2016 7:41:04 PM	24846
Surr: DNOP	71.2	70-130		%Rec	1	4/19/2016 7:41:04 PM	24846
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/18/2016 8:06:35 PM	24836
Surr: BFB	97.2	80-120		%Rec	1	4/18/2016 8:06:35 PM	24836
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/18/2016 8:06:35 PM	24836
Toluene	ND	0.048		mg/Kg	1	4/18/2016 8:06:35 PM	24836
Ethylbenzene	ND	0.048		mg/Kg	1	4/18/2016 8:06:35 PM	24836
Xylenes, Total	ND	0.096		mg/Kg	1	4/18/2016 8:06:35 PM	24836
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	4/18/2016 8:06:35 PM	24836

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

## Analytical Report

Lab Order 1604646

Date Reported: 4/29/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-2 (pad)

Project: Rosa Unit 212A

Collection Date: 4/14/2016 11:40:00 AM

Lab ID: 1604646-002

Matrix: SOIL

Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	550	30		mg/Kg	20	4/22/2016 1:33:59 PM	24941
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/20/2016 9:40:37 AM	24846
Surr: DNOP	75.0	70-130		%Rec	1	4/20/2016 9:40:37 AM	24846
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/18/2016 8:29:57 PM	24836
Surr: BFB	94.7	80-120		%Rec	1	4/18/2016 8:29:57 PM	24836
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/18/2016 8:29:57 PM	24836
Toluene	ND	0.047		mg/Kg	1	4/18/2016 8:29:57 PM	24836
Ethylbenzene	ND	0.047		mg/Kg	1	4/18/2016 8:29:57 PM	24836
Xylenes, Total	ND	0.094		mg/Kg	1	4/18/2016 8:29:57 PM	24836
Surr: 4-Bromofluorobenzene	95.5	80-120		%Rec	1	4/18/2016 8:29:57 PM	24836

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604646

29-Apr-16

Client: WPX Energy  
Project: Rosa Unit 212A

Sample ID	MB-24941	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24941	RunNo:	33749					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1039458	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24941	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24941	RunNo:	33749					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1039459	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

### Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604646

29-Apr-16

Client: WPX Energy  
Project: Rosa Unit 212A

Sample ID	MB-24846	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	24846	RunNo:	33618					
Prep Date:	4/18/2016	Analysis Date:	4/19/2016	SeqNo:	1035550	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.2		10.00		92.5	70	130			

Sample ID	LCS-24846	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	24846	RunNo:	33618					
Prep Date:	4/18/2016	Analysis Date:	4/19/2016	SeqNo:	1035611	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.7	65.8	136			
Surr: DNOP	4.6		5.000		92.5	70	130			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604646

29-Apr-16

Client: WPX Energy  
Project: Rosa Unit 212A

Sample ID	MB-24836	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1033974	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.4	80	120			

Sample ID	LCS-24836	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1033975	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	80	120			
Surr: BFB	1000		1000		100	80	120			

Sample ID	1604646-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1 (containment)	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1033988	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.49	0	91.1	59.3	143			
Surr: BFB	1000		979.4		104	80	120			

Sample ID	1604646-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1 (containment)	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1033989	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.76	0	87.7	59.3	143	6.84	20	
Surr: BFB	990		950.6		104	80	120	0	0	

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604646

29-Apr-16

Client: WPX Energy  
Project: Rosa Unit 212A

Sample ID	MB-24836	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1034018	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	80	120			

Sample ID	LCS-24836	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1034019	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	75.3	123			
Toluene	0.87	0.050	1.000	0	87.1	80	124			
Ethylbenzene	0.87	0.050	1.000	0	87.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	87.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |





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

## Sample Log-In Check List

Client Name: WPX ENERGY

Work Order Number: 1604646

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

4/15/2016 7:20:00 AM

Completed By: Lindsay Mangin

4/15/2016 8:10:04 AM

Reviewed By:

IO

04/15/16

*Jessie M. Mangin*  
*Jessie M. Mangin*

### 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  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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?  
(Note discrepancies on chain of custody) 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?  
(If no, notify customer for authorization.) 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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes			

