

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 Production	Contact Deborah Watson	
Address PO Box 640	Telephone No. 505-333-1880	
Facility Name Rosa Unit # 350A	Facility Type Well Site	
Surface Owner Federal	Mineral Owner Federal	API No. 30-039-29789

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	10	31N	05W	615	North	15	West	Rio Arriba

Latitude N36.919441 Longitude W107.358589

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release <6 bbl	Volume Recovered 5 bbl
Source of Release Wellhead	Date and Hour of Occurrence unknown	Date and Hour of Discovery 6/21/16 09:20 am
Was Immediate Notice Given? (24-hour notice) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Courtesy email NMOCD (Vanessa Fields and Cory Smith)	
By Whom? N/A	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.*
N/A


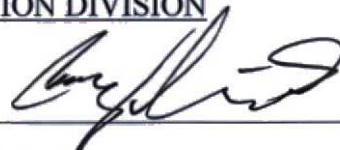
Describe Cause of Problem and Remedial Action Taken.*

Leak occurred at the wellhead. The leak was stopped and stuffing box tightened. A water truck was called to the location. The water truck recovered 5 bbl produced water from cellar and on location.

Describe Area Affected and Cleanup Action Taken.*

- A water truck recovered 5 bbl of produced water.
- Majority of the released produced water remained within wellhead cellar, all released produced water remained on location.
- On October 6, 2016, one 5-point composite sample (SC-1) was collected from within the impacted area. The sample was analyzed for TPH (GRO/DRO), BTEX, and chlorides. Cory Smith, NMOCD, was present during sample collection.
- Confirmation sampling results were reported below NMOCD action levels, no further action is required. (Laboratory analytical report is enclosed.)

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: 10/19/16	Expiration Date:
E-mail Address: deborah.watson@wpenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/17/2016	Phone: 505-386-9693	

* Attach Additional Sheets If Necessary

#NMF 161 824 8744

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

October 14, 2016

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

RE: Rosa Unit 350A

OrderNo.: 1610356

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/7/2016 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 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 dark ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1610356

Date Reported: 10/14/2016

CLIENT: WPX Energy**Client Sample ID:** SC-1**Project:** Rosa Unit 350A**Collection Date:** 10/6/2016 10:47:00 AM**Lab ID:** 1610356-001**Matrix:** SOIL**Received Date:** 10/7/2016 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1200	75		mg/Kg	50	10/12/2016 12:37:17 AM	27990
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	76	9.6		mg/Kg	1	10/12/2016 1:29:43 PM	27964
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	10/12/2016 1:29:43 PM	27964
Surr: DNOP	82.2	70-130		%Rec	1	10/12/2016 1:29:43 PM	27964
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2016 6:59:50 PM	27962
Surr: BFB	90.9	68.3-144		%Rec	1	10/11/2016 6:59:50 PM	27962
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/11/2016 6:59:50 PM	27962
Toluene	ND	0.046		mg/Kg	1	10/11/2016 6:59:50 PM	27962
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2016 6:59:50 PM	27962
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2016 6:59:50 PM	27962
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	10/11/2016 6:59:50 PM	27962

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#: 1610356

14-Oct-16

Client: WPX Energy
Project: Rosa Unit 350A

Sample ID	MB-27990	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27990	RunNo:	37838					
Prep Date:	10/10/2016	Analysis Date:	10/10/2016	SeqNo:	1178774	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27990	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27990	RunNo:	37838					
Prep Date:	10/10/2016	Analysis Date:	10/10/2016	SeqNo:	1178775	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	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#: 1610356

14-Oct-16

Client: WPX Energy
Project: Rosa Unit 350A

Sample ID	LCS-27964	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27964	RunNo:	37844					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179127	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	96.4	62.6	124			
Surr: DNOP	4.6		5.000		92.8	70	130			

Sample ID	MB-27964	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27964	RunNo:	37844					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179128	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610356

14-Oct-16

Client: WPX Energy
Project: Rosa Unit 350A

Sample ID	MB-27962	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	27962	RunNo	37863					
Prep Date	10/10/2016	Analysis Date	10/11/2016	SeqNo	1179358	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	920		1000		91.9	68.3	144			

Sample ID	LCS-27962	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	27962	RunNo	37863					
Prep Date	10/10/2016	Analysis Date	10/11/2016	SeqNo	1179359	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	120	74.6	123			
Surr: BFB	1000		1000		101	68.3	144			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610356

14-Oct-16

Client: WPX Energy
Project: Rosa Unit 350A

Sample ID	MB-27962	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	27962	RunNo:	37863					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179392	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	1.1		1.000		108	80	120			

Sample ID	LCS-27962	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	27962	RunNo:	37863					
Prep Date:	10/10/2016	Analysis Date:	10/11/2016	SeqNo:	1179393	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	75.2	115			
Toluene	1.0	0.050	1.000	0	103	80.7	112			
Ethylbenzene	1.0	0.050	1.000	0	104	78.9	117			
Xylenes, Total	3.1	0.10	3.000	0	103	79.2	115			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
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| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
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| 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: 1610356

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

10/7/2016 7:30:00 AM

Completed By:

Reviewed By:

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°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	1.5	Good	Yes			

Name: _____
 Title: _____
 Company: _____
 Address: _____
 City: _____
 State: _____
 Zip: _____
 Phone #: _____
 Email or Fax #: _____
 VQC Package: _____
 Standard ☐ Level 4 (Full Validation)
 Accreditation: _____
 NELAP ☐ Other _____
 EDD (Type) _____

ש. 1000. מ. 1000. 1000.

☒ Standard ☐ Rush

Project Name:

Rosa limit #350A

Project #:

Project Manager:

D. Watson

Sampler: D Watson

On Ice: ☒ Yes ☐ No

Sample Temperature:

[illegible]

ite:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
0/10/110	1825	Abraham Water	Chr Warts	10/10/110	1825	
ite:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
10/10/110	1910	Chr Warts	Chr Warts	10/07/16	0730	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.