

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 # 160A/160D	Facility Type Well Site	
Surface Owner Federal	Mineral Owner Federal	API No. 30-039-25818/30-039-30689

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	25	31N	06W	1175/1140	South	1450/1400	West	Rio Arriba

Latitude N36.866731 Longitude W107.418480

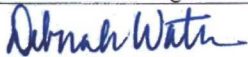
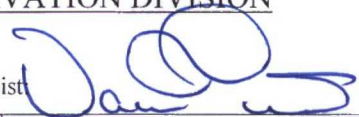
NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 20 bbl	Volume Recovered: 0 bbl
Source of Release: Equipment failure/hole at base of production tank	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 2/17/17 08:30 hrs
Was Immediate Notice Given? Within 24 hour notice <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Whitney Thomas (BLM-FFO) email Vanessa Fields (NMOCD) email Cory Smith (NMOCD) email	
By Whom? Deborah Watson	Date and Hour 2/20/17 9:27 hrs via 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.* Corrosion hole located at base of production tank. Well shut in and contents of tank removed. All fluids remained on location.		

Describe Area Affected and Cleanup Action Taken.*

- All fluids remained on location and within secondary containment.
- On 3/09/17, one 5-point composite was collected from the location. The sample was collected from within secondary containment within the impacted area. The sample was analyzed for BTEX, TPH (GRO/DRO/MRO), and chlorides. Cory Smith, NMOCD, was present during sample collection. BLM was notified of the sampling event but was not in attendance.
- 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: 4/28/2017	Expiration Date:
E-mail Address: deborah.watson@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/24/2017	Phone: 505-386-9693	NCS1705136693

* Attach Additional Sheets If Necessary



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

March 16, 2017

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

RE: Rosa Unit 160A/160D

OrderNo.: 1703580

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/10/2017 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 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 1703580

Date Reported: 3/16/2017

CLIENT: WPX Energy

Client Sample ID: SC-1

Project: Rosa Unit 160A/160D

Collection Date: 3/9/2017 11:20:00 AM

Lab ID: 1703580-001

Matrix: SOIL

Received Date: 3/10/2017 7:08:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	3/15/2017 1:12:11 PM	30706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	20	9.1		mg/Kg	1	3/14/2017 6:56:58 PM	30662
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/14/2017 6:56:58 PM	30662
Surr: DNOP	89.2	70-130		%Rec	1	3/14/2017 6:56:58 PM	30662
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/14/2017 8:23:38 PM	30654
Surr: BFB	78.4	54-150		%Rec	1	3/14/2017 8:23:38 PM	30654
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/14/2017 8:23:38 PM	30654
Toluene	ND	0.047		mg/Kg	1	3/14/2017 8:23:38 PM	30654
Ethylbenzene	ND	0.047		mg/Kg	1	3/14/2017 8:23:38 PM	30654
Xylenes, Total	ND	0.093		mg/Kg	1	3/14/2017 8:23:38 PM	30654
Surr: 4-Bromofluorobenzene	85.4	66.6-132		%Rec	1	3/14/2017 8:23:38 PM	30654

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#: 1703580

16-Mar-17

Client: WPX Energy
Project: Rosa Unit 160A/160D

Sample ID	MB-30706	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	30706	RunNo:	41382					
Prep Date:	3/15/2017	Analysis Date:	3/15/2017	SeqNo:	1298272	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30706	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	30706	RunNo:	41382					
Prep Date:	3/15/2017	Analysis Date:	3/15/2017	SeqNo:	1298273	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	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#: 1703580

16-Mar-17

Client: WPX Energy

Project: Rosa Unit 160A/160D

Sample ID	MB-30662	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 30662			RunNo: 41351					
Prep Date:	3/13/2017	Analysis Date: 3/14/2017			SeqNo: 1295843		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	8.8		10.00		87.7	70	130			

Sample ID	LCS-30662		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 30662		RunNo: 41351					
Prep Date:	3/13/2017		Analysis Date: 3/14/2017		SeqNo: 1295844		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.4	63.8	116			
Surr: DNOP	4.4		5.000		87.3	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#: 1703580

16-Mar-17

Client: WPX Energy

Project: Rosa Unit 160A/160D

Sample ID	MB-30654		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 30654		RunNo: 41364					
Prep Date:	3/13/2017		Analysis Date: 3/14/2017		SeqNo: 1296623		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	750		1000		74.8	54	150			

Sample ID	LCS-30654		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 30654		RunNo: 41364					
Prep Date:	3/13/2017		Analysis Date: 3/14/2017		SeqNo: 1296624		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	76.4	125			
Surr: BFB	980		1000		98.1	54	150			

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#: 1703580

16-Mar-17

Client: WPX Energy

Project: Rosa Unit 160A/160D

Sample ID	MB-30654		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	30654		RunNo:	41364			
Prep Date:	3/13/2017		Analysis Date:	3/14/2017		SeqNo:	1296641		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	0.83		1.000		83.0	66.6	132			

Sample ID	LCS-30654		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	30654		RunNo:	41364			
Prep Date:	3/13/2017		Analysis Date:	3/14/2017		SeqNo:	1296642		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	66.6	132			

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: 1703580

RcptNo: 1

Received by/date:

03/10/17

Logged By: Lindsay Mangin

3/10/2017 7:08:00 AM

Completed By: Lindsay Mangin

3/10/2017 2:18:03 PM

Reviewed By:

TO

3/10/17

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	1.3	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:
Client: WPX Energy	<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush
Mailing Address: 721 S Main Aztec NM 87401	Project Name: Rosa Unit #160A/160D	
Phone #: 505 333 1880	Project #:	
email or Fax#:	Project Manager: D Watson	
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: D Watson	
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)	Sample Temperature: 1.3	

☒ Standard ☐ Rush

Project Name:

Rose Unit #160A/160D

Project #:

Project Manager:

D Watson

Sampler: D Watson

On Ice: ☒ Yes ☐ No

Sample Temperature: 113

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1703560
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3-9-17	1120	Soil	SC-1	2-4oz glass contd	-001
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Analysis Request					
X	BTEX + MTBE + PMP's (8021)				
	BTEX + MTBE + TPH (Gas only)				
X	TPH 8015B (GRO / DRO / MRO)				
	TPH (Method 418.1)				
	EDB (Method 504.1)				
	PAH's (8310 or 8270 SIMS)				
	RCRA 8 Metals				
X	Anions ($\text{PClNO}_3, \text{NO}_2, \text{PO}_4, \text{SO}_4$)				
	8081 Pesticides / 8082 PCB's				
	8260B (VOA)				
	8270 (Semi-VOA)				
	Air Rubbles (Y or N)				

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/9/17	1754	Deborah Watson	Christine Wallace	3/9/17	1754

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/9/17	1851	Christi Walle	[Signature]	03/10/17	0700

Remarks:

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 noted on the analytical report.