

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

JAN 07 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 # 226	Facility Type Well Site

Surface Owner Federal	Mineral Owner Federal	API No. 30-039-24494
-----------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	12	31N	06W	1850	North	1700	East	Rio Arriba

Latitude N36.9162521 Longitude W107.4135895

NATURE OF RELEASE

Type of Release produced water	Volume of Release 82 bbl	Volume Recovered 78 bbl
Source of Release Transfer pump/Equipment failure	Date and Hour of Occurrence 12/5/15 14:20 pump broke	Date and Hour of Discovery 12/08/15 17:00
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Katherina Diemer (BLM-FFO) Cory Smith (NMOCD) Vanessa Fields (NMOCD)	
By Whom? N/A	Date and Hour 12/9/15 7:45 AM	
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

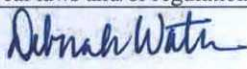

Describe Cause of Problem and Remedial Action Taken.*

Transfer pump froze and broke, resulting in the release of 82 bbl of produced water before discovery. A water truck was brought in to recover produced water on December 8, 2015.

Describe Area Affected and Cleanup Action Taken.*

- A water truck recovered 78 bbl of produced water.
- Most of the fluids remained within secondary containment, all released produced water remained on the well pad.
- On 12/10/15, 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 chlorides. Representatives from NMOCD and BLM were present during sample collection.
- Confirmation sampling results were reported below NMOCD action levels, no further action is required. (Laboratory analytical report is enclosed.)

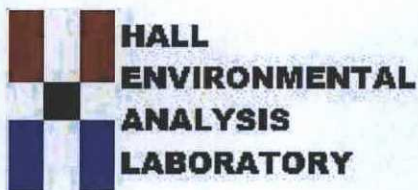
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 1/8/2016	Expiration Date:
E-mail Address: deborah.watson@wpenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 01/05/2016	Phone: 505-386-9693	

* Attach Additional Sheets If Necessary

NU# 1535651850

10



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

December 21, 2015

Debbie Watson

WPX Energy

721 S Main Ave

Aztec, NM 87410

TEL: (505) 333-1880

FAX

OIL CONS. DIV DIST. 3

JAN 07 2016

RE: Rosa Unit #226

OrderNo.: 1512563

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/11/2015 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 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.

Analytical Report

Lab Order 1512563

Date Reported: 12/21/2015

CLIENT: WPX Energy

Client Sample ID: SC-1

Project: Rosa Unit #226

Collection Date: 12/10/2015 10:50:00 AM

Lab ID: 1512563-001

Matrix: SOIL

Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	290	30		mg/Kg	20	12/16/2015 9:41:57 PM	22840
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/16/2015 5:26:51 PM	22767
Surr: DNOP	75.3	70-130		%REC	1	12/16/2015 5:26:51 PM	22767
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/15/2015 4:00:11 PM	22779
Surr: BFB	95.0	66.2-112		%REC	1	12/15/2015 4:00:11 PM	22779
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	12/15/2015 4:00:11 PM	22779
Toluene	ND	0.047		mg/Kg	1	12/15/2015 4:00:11 PM	22779
Ethylbenzene	ND	0.047		mg/Kg	1	12/15/2015 4:00:11 PM	22779
Xylenes, Total	ND	0.094		mg/Kg	1	12/15/2015 4:00:11 PM	22779
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	1	12/15/2015 4:00:11 PM	22779

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy
 Project: Rosa Unit #226
 Lab ID: 1512563-002

Matrix: SOIL

Client Sample ID: SC-2
 Collection Date: 12/10/2015 11:00:00 AM
 Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	120	30		mg/Kg	20	12/16/2015 9:54:22 PM	22840
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/17/2015 11:55:49 AM	22844
Surr: DNOP	73.4	70-130		%REC	1	12/17/2015 11:55:49 AM	22844
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/15/2015 4:24:41 PM	22779
Surr: BFB	90.7	66.2-112		%REC	1	12/15/2015 4:24:41 PM	22779
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/15/2015 4:24:41 PM	22779
Toluene	ND	0.049		mg/Kg	1	12/15/2015 4:24:41 PM	22779
Ethylbenzene	ND	0.049		mg/Kg	1	12/15/2015 4:24:41 PM	22779
Xylenes, Total	ND	0.098		mg/Kg	1	12/15/2015 4:24:41 PM	22779
Surr: 4-Bromofluorobenzene	119	80-120		%REC	1	12/15/2015 4:24:41 PM	22779

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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512563

21-Dec-15

Client: WPX Energy
Project: Rosa Unit #226

Sample ID	MB-22840	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	22840	RunNo:	30906					
Prep Date:	12/16/2015	Analysis Date:	12/16/2015	SeqNo:	944949	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-22840	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	22840	RunNo:	30906					
Prep Date:	12/16/2015	Analysis Date:	12/16/2015	SeqNo:	944950	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512563

21-Dec-15

Client: WPX Energy
Project: Rosa Unit #226

Sample ID	MB-22767	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	22767	RunNo:	30855					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943421	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	11		10.00		110	70	130			

Sample ID	LCS-22767	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	22767	RunNo:	30855					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943436	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.5	65.8	136			
Surr: DNOP	4.3		5.000		85.8	70	130			

Sample ID	MB-22794	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	22794	RunNo:	30909					
Prep Date:	12/14/2015	Analysis Date:	12/17/2015	SeqNo:	945045	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.2		10.00		71.5	70	130			

Sample ID	MB-22844	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	22844	RunNo:	30908					
Prep Date:	12/17/2015	Analysis Date:	12/17/2015	SeqNo:	945048	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	9.5		10.00		95.4	70	130			

Sample ID	LCS-22844	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	22844	RunNo:	30908					
Prep Date:	12/17/2015	Analysis Date:	12/17/2015	SeqNo:	945049	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	97.3	65.8	136			
Surr: DNOP	4.5		5.000		89.2	70	130			

Sample ID	LCS-22794	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	22794	RunNo:	30908					
Prep Date:	12/14/2015	Analysis Date:	12/17/2015	SeqNo:	945328	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.1	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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512563

21-Dec-15

Client: WPX Energy
Project: Rosa Unit #226

Sample ID	MB-22779	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	22779	RunNo:	30861					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943113	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	890		1000		89.0	66.2	112			

Sample ID	LCS-22779	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	22779	RunNo:	30861					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943114	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	94.0	79.6	122			
Surr: BFB	1100		1000		107	66.2	112			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512563

21-Dec-15

Client: WPX Energy
Project: Rosa Unit #226

Sample ID	MB-22779	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	22779	RunNo:	30861					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943155	Units:	mg/Kg			
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	1.1		1.000		114	80	120			

Sample ID	LCS-22779	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	22779	RunNo:	30861					
Prep Date:	12/14/2015	Analysis Date:	12/15/2015	SeqNo:	943156	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	97.7	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120			
Surr: 4-Bromofluorobenzene	1.4		1.000		141	80	120			S

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



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: 1512563

RcptNo: 1

Received by/date: JA 12/11/15

Logged By: Celina Sessa 12/11/2015 7:00:00 AM

Celina Sessa

Completed By: Celina Sessa 12/11/2015 9:52:07 AM

Celina Sessa

Reviewed By: JA 12/12/15

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 $>0^{\circ}\text{C}$ 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			

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.