

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 Aztec, NM 87410	Telephone No. 505-333-1880
Facility Name Rosa Unit # 041B	Facility Type Well Site

Surface Owner Federal	Mineral Owner Federal (NMSF-078763)	API No. 30-039-27014
-----------------------	-------------------------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	06	31N	05W	725	South	1210	East	Rio Arriba

Latitude N36.923431 Longitude W107.399125

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 24 bbl	Volume Recovered 10 bbl
Source of Release Rock basket/transfer pump	Date and Hour of Occurrence unknown	Date and Hour of Discovery 11/22/17 12:10 PM
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?	
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.	

OIL CONS. DIV DIST. 3

JAN 04 2018

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Heater went out and rock basket froze and cracked releasing produced water into secondary containment, some fluid seeped under C-ring containment. Transfer pump was shut-in. Water truck called to location to recover standing fluids. Rock basket repaired week of 11/26/2017.

Describe Area Affected and Cleanup Action Taken.*

- A water truck recovered 10 bbl of produced water.
- All fluids remained on location.
- Two five-point composite sample were collected on December 11, 2017, from within the impacted area (secondary containment and pad). The samples were analyzed for BTEX, TPH (GRO/DRO/MRO), and chlorides. NMOCD and BLM-FFO were notified of the sampling event but not in attendance.
- Laboratory analytical results for BTEX and TPH were reported below the applicable NMOCD RRAL. (Laboratory results are attached)
- 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: 1/10/2018	Expiration Date:
E-mail Address: deborah.watson@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 01/03/2018	Phone: 505-386-9693	

* Attach Additional Sheets If Necessary

NVF1735236036



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

December 29, 2017

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

RE: Rosa Unit 041 B

OrderNo.: 1712731

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/13/2017 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

Analytical Report

Lab Order 1712731

Date Reported: 12/29/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-1 (containment)

Project: Rosa Unit 041 B

Collection Date: 12/11/2017 10:00:00 AM

Lab ID: 1712731-001

Matrix: SOIL

Received Date: 12/13/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							
Analyst: MRA							
Chloride	720	30		mg/Kg	20	12/27/2017 12:54:54 PM	35727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							
Analyst: TOM							
Diesel Range Organics (DRO)	26	9.4		mg/Kg	1	12/15/2017 12:27:00 AM	35492
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/15/2017 12:27:00 AM	35492
Surr: DNOP	118	70-130		%Rec	1	12/15/2017 12:27:00 AM	35492
EPA METHOD 8015D: GASOLINE RANGE							
Analyst: NSB							
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/15/2017 3:42:37 AM	35484
Surr: BFB	77.4	15-316		%Rec	1	12/15/2017 3:42:37 AM	35484
EPA METHOD 8021B: VOLATILES							
Analyst: NSB							
Benzene	ND	0.025		mg/Kg	1	12/15/2017 3:42:37 AM	35484
Toluene	ND	0.049		mg/Kg	1	12/15/2017 3:42:37 AM	35484
Ethylbenzene	ND	0.049		mg/Kg	1	12/15/2017 3:42:37 AM	35484
Xylenes, Total	ND	0.098		mg/Kg	1	12/15/2017 3:42:37 AM	35484
Surr: 4-Bromofluorobenzene	94.3	80-120		%Rec	1	12/15/2017 3:42:37 AM	35484

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
	PQL Practical Quantitative Limit	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 1712731

Date Reported: 12/29/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-2 (pad)

Project: Rosa Unit 041 B

Collection Date: 12/11/2017 10:05:00 AM

Lab ID: 1712731-002

Matrix: SOIL

Received Date: 12/13/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	880	30		mg/Kg	20	12/27/2017 1:56:58 PM	35727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	10	10		mg/Kg	1	12/15/2017 12:50:43 AM	35492
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/15/2017 12:50:43 AM	35492
Surr: DNOP	91.3	70-130		%Rec	1	12/15/2017 12:50:43 AM	35492
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/15/2017 4:05:27 AM	35484
Surr: BFB	74.1	15-316		%Rec	1	12/15/2017 4:05:27 AM	35484
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/15/2017 4:05:27 AM	35484
Toluene	ND	0.048		mg/Kg	1	12/15/2017 4:05:27 AM	35484
Ethylbenzene	ND	0.048		mg/Kg	1	12/15/2017 4:05:27 AM	35484
Xylenes, Total	ND	0.097		mg/Kg	1	12/15/2017 4:05:27 AM	35484
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	12/15/2017 4:05:27 AM	35484

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
PQL	Practical Quantitative Limit	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#: 1712731

29-Dec-17

Client: WPX Energy
Project: Rosa Unit 041 B

Sample ID MB-35727	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 35727	RunNo: 48035								
Prep Date: 12/27/2017	Analysis Date: 12/27/2017	SeqNo: 1540826			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-35727	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 35727	RunNo: 48035								
Prep Date: 12/27/2017	Analysis Date: 12/27/2017	SeqNo: 1540827			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

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
- PQL Practical Quantitative Limit
- 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#: 1712731
29-Dec-17

Client: WPX Energy
Project: Rosa Unit 041 B

Sample ID	LCS-35492	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	35492	RunNo:	47770					
Prep Date:	12/13/2017	Analysis Date:	12/14/2017	SeqNo:	1528786	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	73.2	114			
Surr: DNOP	4.5		5.000		90.0	70	130			

Sample ID	MB-35492	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	35492	RunNo:	47770					
Prep Date:	12/13/2017	Analysis Date:	12/14/2017	SeqNo:	1528787	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		99.7	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
- PQL Practical Quantitative Limit
- 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#: 1712731

29-Dec-17

Client: WPX Energy
Project: Rosa Unit 041 B

Sample ID MB-35484	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 35484		RunNo: 47787							
Prep Date: 12/13/2017	Analysis Date: 12/14/2017		SeqNo: 1528362				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	860		1000		86.2	15	316			

Sample ID LCS-35484	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 35484		RunNo: 47787							
Prep Date: 12/13/2017	Analysis Date: 12/14/2017		SeqNo: 1528363				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	75.9	131			
Surr: BFB	1000		1000		101	15	316			

Sample ID MB-35517	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 35517		RunNo: 47817							
Prep Date: 12/14/2017	Analysis Date: 12/15/2017		SeqNo: 1530380				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.2	15	316			

Sample ID LCS-35517	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 35517		RunNo: 47817							
Prep Date: 12/14/2017	Analysis Date: 12/15/2017		SeqNo: 1530381				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.9	15	316			

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
- PQL Practical Quantitative Limit
- 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#: 1712731
 29-Dec-17

Client: WPX Energy
Project: Rosa Unit 041 B

Sample ID	MB-35484	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	35484	RunNo:	47787					
Prep Date:	12/13/2017	Analysis Date:	12/14/2017	SeqNo:	1528617	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	1.0		1.000		103	80	120			

Sample ID	LCS-35484	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	35484	RunNo:	47787					
Prep Date:	12/13/2017	Analysis Date:	12/14/2017	SeqNo:	1528618	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	77.3	128			
Toluene	0.97	0.050	1.000	0	96.6	79.2	125			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	98.2	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	MB-35517	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	35517	RunNo:	47817					
Prep Date:	12/14/2017	Analysis Date:	12/15/2017	SeqNo:	1530395	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

Sample ID	LCS-35517	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	35517	RunNo:	47817					
Prep Date:	12/14/2017	Analysis Date:	12/15/2017	SeqNo:	1530396	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

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
- PQL Practical Quantitative Limit
- 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

Sample Log-In Check List

Client Name: WPX ENERGY

Work Order Number: 1712731

RcptNo: 1

Received By: Anne Thorne 12/13/2017 7:00:00 AM

Completed By: Michelle Garcia 12/13/2017 9:20:23 AM

Reviewed By: DDS 12/13/17

Anne Thorne
Michelle Garcia

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 # of preserved bottles checked for pH: _____
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? _____
{<2 or >12 unless noted}
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No Checked by: _____
(If no, notify customer for authorization.)

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

