

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

Form C-141  
Revised August 8, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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 # 144	Facility Type Well Site

Surface Owner Federal	Mineral Owner Federal	API No. 30-039-25421
-----------------------	-----------------------	----------------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	26	31N	06W	983	North	1029	East	Rio Arriba

Latitude N36.875051 Longitude W107.426890

**NATURE OF RELEASE**

Type of Release: produced water	Volume of Release: 45 bbl	Volume Recovered: 43 bbl
Source of Release: Equipment failure/Rupture along 2-inch line between separator and tank	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 12/09/16 07:30 hrs
Was Immediate Notice Given? Within 24 hour notice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Whitney Thomas (BLM-FFO) message/email Vanessa Fields (NMOCD) phone call/email Cory Smith (NMOCD) email	
By Whom? Deborah Watson	Date and Hour 12/09/16 15:00 hrs and 1/22/16 15:15 AM email	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

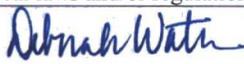
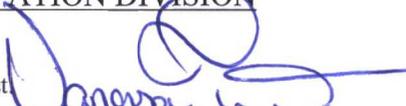
If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*  
Rupture along the 2-inch line between separator and tank, rupture point was located within secondary containment. Spills were cleaned up by a water truck was brought in to recover produced water within secondary containment on December 9, 2016.

Describe Area Affected and Cleanup Action Taken.\*

- A water truck recovered 43 bbl of produced water.
- All fluids remained on location and within secondary containment.
- On 3/09/17, one 5-point composite sample 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: 	<b>OIL CONSERVATION DIVISION</b>	
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	NVF 1634454652

\* Attach Additional Sheets If Necessary

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** WPX Energy **Client Sample ID:** SC-1  
**Project:** Rosa Unit 144 **Collection Date:** 3/9/2017 10:45:00 AM  
**Lab ID:** 1703578-001 **Matrix:** SOIL **Received Date:** 3/10/2017 7:08:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	3/15/2017 12:59:46 PM	30706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/14/2017 7:22:04 PM	30662
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/14/2017 7:22:04 PM	30662
Surr: DNOP	89.5	70-130		%Rec	1	3/14/2017 7:22:04 PM	30662
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/14/2017 7:57:22 PM	30654
Surr: BFB	75.4	54-150		%Rec	1	3/14/2017 7:57:22 PM	30654
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/14/2017 7:57:22 PM	30654
Toluene	ND	0.047		mg/Kg	1	3/14/2017 7:57:22 PM	30654
Ethylbenzene	ND	0.047		mg/Kg	1	3/14/2017 7:57:22 PM	30654
Xylenes, Total	ND	0.094		mg/Kg	1	3/14/2017 7:57:22 PM	30654
Surr: 4-Bromofluorobenzene	83.3	66.6-132		%Rec	1	3/14/2017 7:57:22 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#: 1703578

16-Mar-17

**Client:** WPX Energy  
**Project:** Rosa Unit 144

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

Sample ID <b>LCS-30706</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>30706</b>	RunNo: <b>41382</b>								
Prep Date: <b>3/15/2017</b>	Analysis Date: <b>3/15/2017</b>	SeqNo: <b>1298273</b>			Units: <b>mg/Kg</b>					
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.
- 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#: 1703578

16-Mar-17

**Client:** WPX Energy  
**Project:** Rosa Unit 144

Sample ID: <b>MB-30662</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>30662</b>	RunNo: <b>41351</b>								
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295843</b>			Units: <b>mg/Kg</b>					
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: <b>LCS-30662</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>30662</b>	RunNo: <b>41351</b>								
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>	SeqNo: <b>1295844</b>			Units: <b>mg/Kg</b>					
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.
- 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#: 1703578  
 16-Mar-17

**Client:** WPX Energy  
**Project:** Rosa Unit 144

Sample ID <b>MB-30654</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>30654</b>		RunNo: <b>41364</b>							
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>		SeqNo: <b>1296623</b>				Units: <b>mg/Kg</b>			
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 <b>LCS-30654</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>30654</b>		RunNo: <b>41364</b>							
Prep Date: <b>3/13/2017</b>	Analysis Date: <b>3/14/2017</b>		SeqNo: <b>1296624</b>				Units: <b>mg/Kg</b>			
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.              | 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#: 1703578

16-Mar-17

**Client:** WPX Energy

**Project:** Rosa Unit 144

Sample ID	<b>MB-30654</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>30654</b>	RunNo:	<b>41364</b>					
Prep Date:	<b>3/13/2017</b>	Analysis Date:	<b>3/14/2017</b>	SeqNo:	<b>1296641</b>	Units:	<b>mg/Kg</b>			
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	<b>LCS-30654</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>30654</b>	RunNo:	<b>41364</b>					
Prep Date:	<b>3/13/2017</b>	Analysis Date:	<b>3/14/2017</b>	SeqNo:	<b>1296642</b>	Units:	<b>mg/Kg</b>			
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: 1703578      RptNo: 1

Received by/date: [Signature] 03/10/17

Logged By: Lindsay Mangin      3/10/2017 7:08:00 AM      [Signature]

Completed By: Lindsay Mangin      3/10/2017 1:51:28 PM      [Signature]

Reviewed By: IO      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° 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

# Chain-of-Custody Record

Client: INPX Energy

Mailing Address: 701 S MAIN  
AZEC NM 87401

Phone #: 505 333 1880

email or Fax#: albanah.watson@engenuity.com

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time:

Standard  Rush

Project Name: Rosa Unit # 144

Project #: \_\_\_\_\_

Project Manager: D. Watson

Sampler: D. Watson

On Ice:  Yes  No

Sample Temperature: 13

Container Type and #

Preservative Type

HEAL No: 17035748

Date: 3-9-17 Time: 1045 Matrix: soil Sample Request ID: SC-1 Container Type and #: 2-4oz/dim cdd Preservative Type: -CO1

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_

Date: 3/9/17 Time: 1754 Relinquished by: Albanah Watson

Received by: \_\_\_\_\_

Received by: Albanah Watson Date: 3/9/17 Time: 1754

Date: 3/9/17 Time: 1851 Relinquished by: Albanah Watson

Remarks:

Remarks:



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel: 505-345-3975 Fax: 505-345-4107

Analysis Request

<input checked="" type="checkbox"/>	BTEX + <del>MEDE</del> + <del>VOA</del> (8021)
<input type="checkbox"/>	BTEX + MTBE + TPH (Gas only)
<input checked="" type="checkbox"/>	TPH 8015B (GRO / DRO / MRO)
<input type="checkbox"/>	TPH (Method 418.1)
<input type="checkbox"/>	EDB (Method 504.1)
<input type="checkbox"/>	PAH's (8310 or 8270 SIMS)
<input type="checkbox"/>	RCRA 8 Metals
<input checked="" type="checkbox"/>	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
<input type="checkbox"/>	8081 Pesticides / 8082 PCB's
<input type="checkbox"/>	8260B (VOA)
<input type="checkbox"/>	8270 (Semi-VOA)
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	Air Bubbles (Y or N)

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.