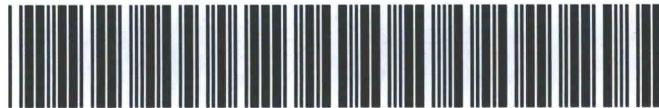




# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pCS1716332215

**3RP - 1049**

**WPX ENERGY PRODUCTION, LLC**

8/31/2017

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

OIL CONS. DIV DIST. 3

AUG 09 2017

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, LLC	Contact Deborah Watson
Address PO Box 640	Telephone No. 505-333-1880
Facility Name WLU Remote #2	Facility Type

Surface Owner Federal	Mineral Owner Federal (NMNM-025830)	API No.
-----------------------	-------------------------------------	---------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	18	23N	08W	231	North	820	West	San Juan

Latitude N36.23358 Longitude W107.72862

**NATURE OF RELEASE**

Type of Release produced water	Volume of Release 10 bbl	Volume Recovered 10 bbl
Source of Release hammer union on water line	Date and Hour of Occurrence 5/14/17 14:00	Date and Hour of Discovery 5/14/17 14:00
Was Immediate Notice Given? <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 5/15/17 13:05 followed by 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.* Hammer union in water can came loose releasing produced water into water can. Water truck called to the facility and recovered 10 bbl of produced water from within the water can.		
Describe Area Affected and Cleanup Action Taken.* <ul style="list-style-type: none"><li>A water truck recovered 10 bbl of released fluids.</li><li>Cleanup consisted of recovery of released fluids, washing of equipment (5/25), and removal and disposal of impacted soil (5/25).</li><li>On May 30, 2017, one five-point composite sample was collected from within the water can (impacted area). Vanessa Fields, NMOCD, was present during the sampling event. The sample was laboratory analyzed for BTEX, TPH (GRO/DRO/MRO), and chlorides.</li><li>Laboratory analytical results for BTEX and TPH were reported below the applicable NMOCD RRAL. (Laboratory results are attached)</li><li>WPX applied gypsum to the impacted area within the water can on July 26. (see attached approval/communication with NMOCD)</li><li>No further action required.</li></ul>		
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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Deborah Watson	Approved by Environmental Specialist: 	
Title: Environmental Specialist	Approval Date: 8/31/2017	Expiration Date:
E-mail Address: deborah.watson@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 08/8/2017	Phone: 505-333-1880	

\* Attach Additional Sheets If Necessary

NCS1716331462



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

June 08, 2017

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

RE: WLU Remote #2 Water Can

OrderNo.: 1706020

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/1/2017 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](http://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.**

**CLIENT:** WPX Energy **Client Sample ID:** SC-1  
**Project:** WLU Remote #2 Water Can **Collection Date:** 5/30/2017 1:33:00 PM  
**Lab ID:** 1706020-001 **Matrix:** SOIL **Received Date:** 6/1/2017 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	5000	300		mg/Kg	200	6/5/2017 5:18:10 PM	32082
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/2/2017 12:51:51 PM	32064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/2/2017 12:51:51 PM	32064
Surr: DNOP	101	70-130		%Rec	1	6/2/2017 12:51:51 PM	32064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/2/2017 5:32:46 PM	32063
Surr: BFB	100	54-150		%Rec	1	6/2/2017 5:32:46 PM	32063
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	6/2/2017 5:32:46 PM	32063
Toluene	ND	0.050		mg/Kg	1	6/2/2017 5:32:46 PM	32063
Ethylbenzene	ND	0.050		mg/Kg	1	6/2/2017 5:32:46 PM	32063
Xylenes, Total	ND	0.099		mg/Kg	1	6/2/2017 5:32:46 PM	32063
Surr: 4-Bromofluorobenzene	121	66.6-132		%Rec	1	6/2/2017 5:32:46 PM	32063

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#: 1706020  
08-Jun-17

**Client:** WPX Energy  
**Project:** WLU Remote #2 Water Can

Sample ID	<b>MB-32082</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32082</b>	RunNo:	<b>43225</b>					
Prep Date:	<b>6/2/2017</b>	Analysis Date:	<b>6/2/2017</b>	SeqNo:	<b>1361223</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-32082</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32082</b>	RunNo:	<b>43225</b>					
Prep Date:	<b>6/2/2017</b>	Analysis Date:	<b>6/2/2017</b>	SeqNo:	<b>1361224</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	93.8	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#: 1706020  
08-Jun-17

**Client:** WPX Energy  
**Project:** WLU Remote #2 Water Can

Sample ID: <b>LCS-32064</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>32064</b>	RunNo: <b>43209</b>								
Prep Date: <b>6/1/2017</b>	Analysis Date: <b>6/2/2017</b>	SeqNo: <b>1360326</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.3	73.2	114			
Surr: DNOP	4.7		5.000		94.5	70	130			

Sample ID: <b>MB-32064</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>32064</b>	RunNo: <b>43209</b>								
Prep Date: <b>6/1/2017</b>	Analysis Date: <b>6/2/2017</b>	SeqNo: <b>1360330</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	9.5		10.00		95.1	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#: 1706020  
08-Jun-17

**Client:** WPX Energy  
**Project:** WLU Remote #2 Water Can

Sample ID: <b>MB-32063</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>32063</b>	RunNo: <b>43219</b>								
Prep Date: <b>6/1/2017</b>	Analysis Date: <b>6/2/2017</b>	SeqNo: <b>1360983</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	1000		1000		100	54	150			

Sample ID: <b>LCS-32063</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>32063</b>	RunNo: <b>43219</b>								
Prep Date: <b>6/1/2017</b>	Analysis Date: <b>6/2/2017</b>	SeqNo: <b>1360984</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1000		1000		103	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#: 1706020

08-Jun-17

Client: WPX Energy  
Project: WLU Remote #2 Water Can

Sample ID	<b>MB-32063</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32063</b>	RunNo:	<b>43219</b>					
Prep Date:	<b>6/1/2017</b>	Analysis Date:	<b>6/2/2017</b>	SeqNo:	<b>1361003</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	1.2		1.000		124	66.6	132			

Sample ID	<b>LCS-32063</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32063</b>	RunNo:	<b>43219</b>					
Prep Date:	<b>6/1/2017</b>	Analysis Date:	<b>6/2/2017</b>	SeqNo:	<b>1361004</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		119	66.6	132			

### 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



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: 1706020

RcptNo: 1

Received By: Anne Thorne 6/1/2017 7:20:00 AM

*Anne Thorne*

Completed By: Anne Thorne 6/1/2017 10:01:36 AM

*Anne Thorne*

Reviewed By: *SRL 06/01/17*

### 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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	1.7	Good	Yes			



## Watson, Debbie

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Monday, June 19, 2017 7:06 AM  
**To:** Watson, Debbie; Fields, Vanessa, EMNRD; Thomas, Leigh  
**Subject:** [EXTERNAL] RE: WLU Remote #2 Water Can Lab Results

---

CAUTION: This email was sent from an EXTERNAL source. Use caution when clicking links or opening attachments.

---

Debbie,

OCD approved your plan, please include this on your final C-141.

Thanks

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

---

**From:** Watson, Debbie [mailto:Deborah.Watson@wpxenergy.com]  
**Sent:** Monday, June 19, 2017 6:39 AM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Thomas, Leigh <l1thomas@blm.gov>  
**Subject:** WLU Remote #2 Water Can Lab Results

Attached is the laboratory report for the confirmation sample collected from the WLU Remote #2 water can. The laboratory results were below applicable NMOCD RRAL for BTEX and TPH. The chloride concentration was reported at 5,000 mg/kg. WPX requests closure/backfilling of the excavated area following application of gypsum to the impacted area within the water can. Please note the impacted area is contained, is located greater than 8 feet below ground surface, and depth to ground water exceeds 100 feet. Please contact me with any questions.

Thank you,

Debbie

Deborah Watson  
Environmental Specialist  
PO Box 640 | Aztec, NM 87410  
office 505.333.1880 | cell 505.386.9693 | fax 505.333.1805  
[deborah.watson@wpxenergy.com](mailto:deborah.watson@wpxenergy.com)

