

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 April 3, 2017

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, Aztec, New Mexico 87410 | Telephone No. 505-333-1880 |
| Facility Name Rosa Unit #630 | Facility Type Well Site |

| | | |
|-----------------------|-----------------------|----------------------|
| Surface Owner Federal | Mineral Owner Federal | API No. 30-039-29508 |
|-----------------------|-----------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|------------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| G | 07 | 31N | 04W | 2480 | North | 2230 | East | Rio Arriba |

Latitude N36.914810 **Longitude** W107.2949066 **NAD83**

NATURE OF RELEASE

| | | |
|--|--|--|
| Type of Release: Produced Water | Volume of Release 23 bbl | Volume Recovered 22 bbl |
| Source of Release: Fire Tube at Production Tank | Date and Hour of Occurrence | Date and Hour of Discovery 10/25/17 @ 9:00 AM |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? Email sent to NMOCD and USFS | |
| By Whom? Deborah Watson | Date and Hour 10/26/17 @10:48 PM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

OIL CONS. DIV DIST. 3

NOV 15 2017

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


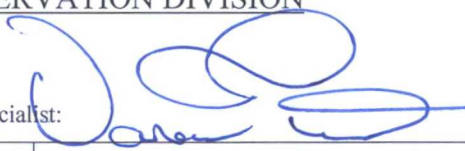
Describe Cause of Problem and Remedial Action Taken.*

Fire tube failed at base of production tank. Water truck called to the location upon discovery to recover produced water.

Describe Area Affected and Cleanup Action Taken.*

- A water truck recovered 22 bbl of produced water.
- All fluids remained within secondary containment, all released produced water remained on location.
- One 5-point composite confirmation sample was collected from within the area of impact on November 2, 2017. The sample was laboratory analyzed for TPH (GRO/DRO/MRO), BTEX, and chlorides. Benzene, BTEX, and TPH concentrations were reported below NMOCD RRALs. (See enclosed laboratory report).
- WPX provided notification to USFS and NMOCD prior to collection of the confirmation sample. USFS and NMOCD were not in attendance at time of sample collection.
- Based on laboratory analytical results, no further action is 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: 11/16/2017 | Expiration Date: |
| E-mail Address: deborah.watson@wpxenergy.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 11/15/2017 Phone: 505-333-1880 | | |

* Attach Additional Sheets If Necessary

NVF 1730025606

9



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

November 15, 2017

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

RE: Rosa Unit 630

OrderNo.: 1711230

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/4/2017 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1711230

Date Reported: 11/15/2017

CLIENT: WPX Energy**Client Sample ID:** SC-1**Project:** Rosa Unit 630**Collection Date:** 11/2/2017 1:45:00 PM**Lab ID:** 1711230-001**Matrix:** SOIL**Received Date:** 11/4/2017 12:20:00 PM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 65 | 30 | | mg/Kg | 20 | 11/13/2017 4:11:45 PM | 34962 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 8.7 | | mg/Kg | 1 | 11/7/2017 4:34:29 PM | 34843 |
| Motor Oil Range Organics (MRO) | ND | 43 | | mg/Kg | 1 | 11/7/2017 4:34:29 PM | 34843 |
| Surr: DNOP | 83.8 | 70-130 | | %Rec | 1 | 11/7/2017 4:34:29 PM | 34843 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 11/7/2017 2:22:04 PM | 34834 |
| Surr: BFB | 80.8 | 15-316 | | %Rec | 1 | 11/7/2017 2:22:04 PM | 34834 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 11/7/2017 2:22:04 PM | 34834 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 11/7/2017 2:22:04 PM | 34834 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 11/7/2017 2:22:04 PM | 34834 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 11/7/2017 2:22:04 PM | 34834 |
| Surr: 4-Bromofluorobenzene | 85.9 | 80-120 | | %Rec | 1 | 11/7/2017 2:22:04 PM | 34834 |

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#: 1711230

15-Nov-17

Client: WPX Energy

Project: Rosa Unit 630

| | | | | | | | | | | |
|------------|------------|----------------|------------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-34962 | SampType: | mbk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 34962 | RunNo: | 47079 | | | | | |
| Prep Date: | 11/13/2017 | Analysis Date: | 11/13/2017 | SeqNo: | 1503057 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------|----------------|------------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-34962 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 34962 | RunNo: | 47079 | | | | | |
| Prep Date: | 11/13/2017 | Analysis Date: | 11/13/2017 | SeqNo: | 1503058 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.8 | 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 |
| 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#: 1711230

15-Nov-17

Client: WPX Energy

Project: Rosa Unit 630

| | | | | | | | | | | |
|-----------------------------|-----------|-----|--------------------------|-------------|---|----------|--------------|------|----------|------|
| Sample ID | LCS-34843 | | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | LCSS | | Batch ID: 34843 | | RunNo: 46928 | | | | | |
| Prep Date: | 11/6/2017 | | Analysis Date: 11/7/2017 | | SeqNo: 1497169 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 42 | 10 | 50.00 | 0 | 84.4 | 73.2 | 114 | | | |
| Surr: DNOP | 4.1 | | 5.000 | | 82.5 | 70 | 130 | | | |

| | | | | | | | | | | |
|--------------------------------|-----------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | MB-34843 | SampType: | MBLK | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batch ID: | 34843 | RunNo: | 46928 | | | | | |
| Prep Date: | 11/6/2017 | Analysis Date: | 11/7/2017 | SeqNo: | 1497170 | 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 | 8.1 | | 10.00 | | 80.8 | 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 |
| 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#: 1711230

15-Nov-17

Client: WPX Energy
Project: Rosa Unit 630

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-34834 | SampType: | MBLK | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | 34834 | RunNo: | 46934 | | | | | |
| Prep Date: | 11/6/2017 | Analysis Date: | 11/7/2017 | SeqNo: | 1497692 | 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 | 840 | | 1000 | | 83.9 | 15 | 316 | | | |

| | | | | | | | | | | |
|-------------------------------|-----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-34834 | SampType: | LCS | TestCode: | EPA Method 8015D: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | 34834 | RunNo: | 46934 | | | | | |
| Prep Date: | 11/6/2017 | Analysis Date: | 11/7/2017 | SeqNo: | 1497693 | 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 | 101 | 75.9 | 131 | | | |
| Surr: BFB | 930 | | 1000 | | 93.4 | 15 | 316 | | | |

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#: 1711230

15-Nov-17

Client: WPX Energy

Project: Rosa Unit 630

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-34834 | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | Batch ID: | 34834 | RunNo: | 46934 | | | | | |
| Prep Date: | 11/6/2017 | Analysis Date: | 11/7/2017 | SeqNo: | 1497712 | 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 | 0.89 | | 1.000 | | 88.7 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-34834 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | 34834 | RunNo: | 46934 | | | | | |
| Prep Date: | 11/6/2017 | Analysis Date: | 11/7/2017 | SeqNo: | 1497713 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 1.000 | 0 | 90.7 | 77.3 | 128 | | | |
| Toluene | 0.91 | 0.050 | 1.000 | 0 | 91.2 | 79.2 | 125 | | | |
| Ethylbenzene | 0.90 | 0.050 | 1.000 | 0 | 90.3 | 80.7 | 127 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 92.1 | 81.6 | 129 | | | |
| Surr: 4-Bromofluorobenzene | 0.89 | | 1.000 | | 89.2 | 80 | 120 | | | |

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 |



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: 1711230

RcptNo: 1

Received By: Andy Freeman

11/4/2017 12:20:00 PM

Completed By: Isalah Ortiz

11/6/2017 8:34:18 AM

Reviewed By: *grr* 11/06/17

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? FedEx

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 | 5.3 | Good | Not Present | | | |

Client: WPX Energy

Mailing Address: 721 S Main
Aztec NM

Phone #: 505 333 1880

email or Fax#: michael.walker@wpxenergy.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ Standard ☐ Rush

Rosa Unit #630

Project #:

Project Manager:

D Watson

Sampler: D. Watkins

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.1°C $40.3^{\circ}\text{C} = 5.3$

[illegible]

| | | | | | |
|---------|-------|------------------|----------------|---------|-------|
| Date: | Time: | Relinquished by: | Received by: | Date: | Time: |
| 11/3/17 | 1344 | Debra Water | M. [Signature] | 11/3/17 | 1344 |
| Date: | Time: | Relinquished by: | Received by: | Date: | Time: |
| 11/3/17 | 1816 | [Signature] | [Signature] | 11/4/17 | 1820 |

Remarks:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

If necessary, samples submitted to H&E 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.