

November 8, 2024

Andrew Verbonitz
EHS Remediation Specialist
QB Energy Operating, LLC (Operator: 10456)
averbonitz@qb-energy.com

Report of Work Completed – Flowline Release Investigation

| | |
|------------------------------------|----------------------------------|
| ECMC Location Name (ID) | N. Parachute/EF P27 595 (335806) |
| Client Location Name | P27-595 (1C-34) |
| ECMC Remediation Project ID | 25158 |
| Legal Description | SESE Sec. 27 T5S-R95W |
| Coordinates (Lat/Long) | 39.579295 / -108.033164 |
| County | Garfield County, Colorado |

Mr. Verbonitz,

Confluence Compliance Companies, LLC (Confluence) prepared this Report of Work Completed (ROWC) for QB Energy Operating, LLC (QB) to document remedial investigation activities associated with a flowline release at the P27-595 well pad (Location). The Location is 8.8 miles north of Parachute, Colorado, in Garfield County as illustrated in the attached Topographic Map. Additional information on the Location and the associated remediation project is provided in the title block above, the attached Site Diagrams, and laboratory analytical reports. This ROWC provides background on the Location, methods used to complete the investigation, results of the investigation, and recommendations for how to proceed with this information.

Background

On April 21, 2022, QB observed an anomaly in the N. Parachute EF01F-34 P27595 (1C-34) well production data. Following pressure tests and inspections, a failure point was identified in the flowline at the first subsurface ninety-degree elbow downstream of the wellhead. The release was reported via Energy & Carbon Management Commission (ECMC) Form 19 Document 403023550 to open Spill/Release Point ID 482066. Form 27 Document 403149259 was later submitted to open Remediation Project 25158.

From April 26, 2022 through October 7, 2022, QB and a third party consultant completed multiple excavation and soil sampling events. Analytical results of the point of release (POR) characterization sample exceeded ECMC Table 915-1 Residential Soil Screening Levels (RSSLs) for total petroleum hydrocarbons (TPH), sodium adsorption ratio (SAR), pH, and arsenic. Analytical results of the final excavation extents exceeded RSSLs for SAR, pH, and arsenic. One surface water sample (SW-01) was also collected from East Fork Parachute Creek downgradient from the Location. Analytical results of the water sample were within Table 915-1 groundwater allowable limits for all constituents of concern.

On June 21, 2023, QB submitted Form 27 Document 403224347 requesting to compare laboratory results to Table 915-1 RSSLs and to remove pH and arsenic as constituents of concern based on background analytical results. The ECMC approved this form and associated requests on July 12, 2023.

On October 6, 2023, QB submitted Form 27 Document 403536509 requesting a reduced analyte list of SAR and requesting to remediate SAR impacts in place using a biological yucca extract known as saponin. The ECMC approved the form and associated requests on October 31, 2023.

On October 17, 2023, one remedial treatment well was installed adjacent to the 1C-34 wellhead. The well was completed with a total depth of 5 feet bgs with 3 feet of slotted screen. No soil samples were collected during the well installation effort.

On November 21, 2023, Confluence proceeded with in situ treatment of SAR impacts by gravity feeding saponin solution into the treatment well. Approximately 520 gallons of treatment solution were applied. On March 25, 2024, Confluence oversaw an additional in situ treatment in which approximately 525 gallons of treatment solution were applied.

Methodology

On September 30, 2024, Confluence returned to the Location to conduct confirmation soil sampling via hydro-vacuum truck at the location of previous SAR exceedance. Confluence oversaw the advancement of one pothole adjacent to the remedial treatment well and one soil sample was collected at the terminus of the pothole with a hand auger at eight feet bgs. The soil sample was characterized using visual and olfactory observations and field-screened using a photoionization detector (PID).

The sample was collected in laboratory provided jars, immediately placed on ice, and shipped to Pace Analytical Services (Pace) under a completed chain-of-custody form for analysis of SAR.

Results

These results summarize observations from onsite remedial investigation efforts and associated laboratory analytical results. For organizational and presentation purposes, the results summary is divided between general observations of lithology and hydrogeology for the entire Location and site investigation activities. Collected spatial data are depicted in the attached Site Diagrams. Laboratory analytical reports are attached and summarized in the Soil Analytical Results Table.

Lithology and Hydrogeology

Lithology at the Location is characterized by poorly-graded gravels with gravel-sand mixtures. Groundwater is expected to flow northwest toward East Fork Parachute Creek and ultimately to the Colorado River, located 9.0 miles south of the Location. An historic soil boring (identified as Oil Shale BG5) was installed approximately 640 feet south of the well pad to collect background soil data as part of another project. The boring was dry to a total depth of 40 feet bgs indicating the depth to groundwater is greater than 40 feet bgs. The soil boring was located at an elevation 30 feet below the Location; therefore, depth to groundwater at the Location is estimated to be greater than 70 feet bgs. Data pertaining to historic background soil borings was previously submitted via Form 27 403224347.

Pothole Results

Field screening of the confirmation soil sample indicated a PID measurement of 2.3 parts per million (ppm). Analytical results of the sample indicate compliance with the RSSL for SAR with a result of 1.77.



Analysis and Recommendations

Following in situ treatments, SAR levels at the P27-595 1C-34 wellhead release area are compliant with the ECMC allowable limit. Based on the results of the site investigation, all constituents of concern are within RSSLs or approved alternative allowable limits. Therefore, Confluence recommends QB request closure of Remediation Project 25158 with a no further action (NFA) determination.

Confluence is grateful for the opportunity to support you with this project. If you have any questions about the methods, results or recommendations presented here, please do not hesitate to contact us.

Regards,



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Program Manager
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Attachments

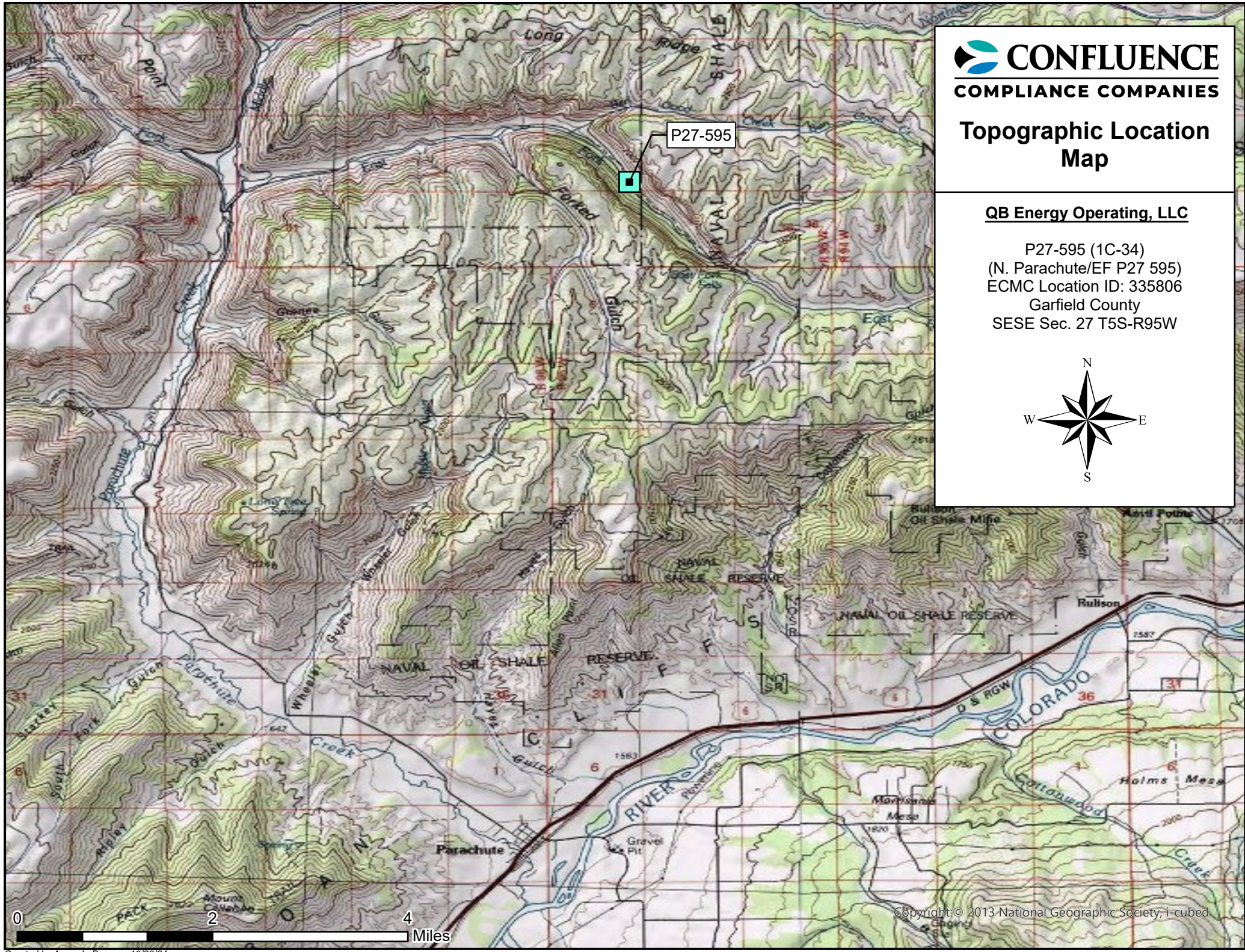
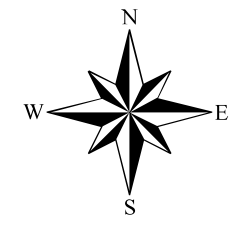
- Topographic Location Diagram
- Site Diagram – Site Investigation
- Site Diagram – Surface Water Sample
- Soil Analytical Results Table
- Water Analytical Results Table
- Photographic Log
- Laboratory Analytical Report

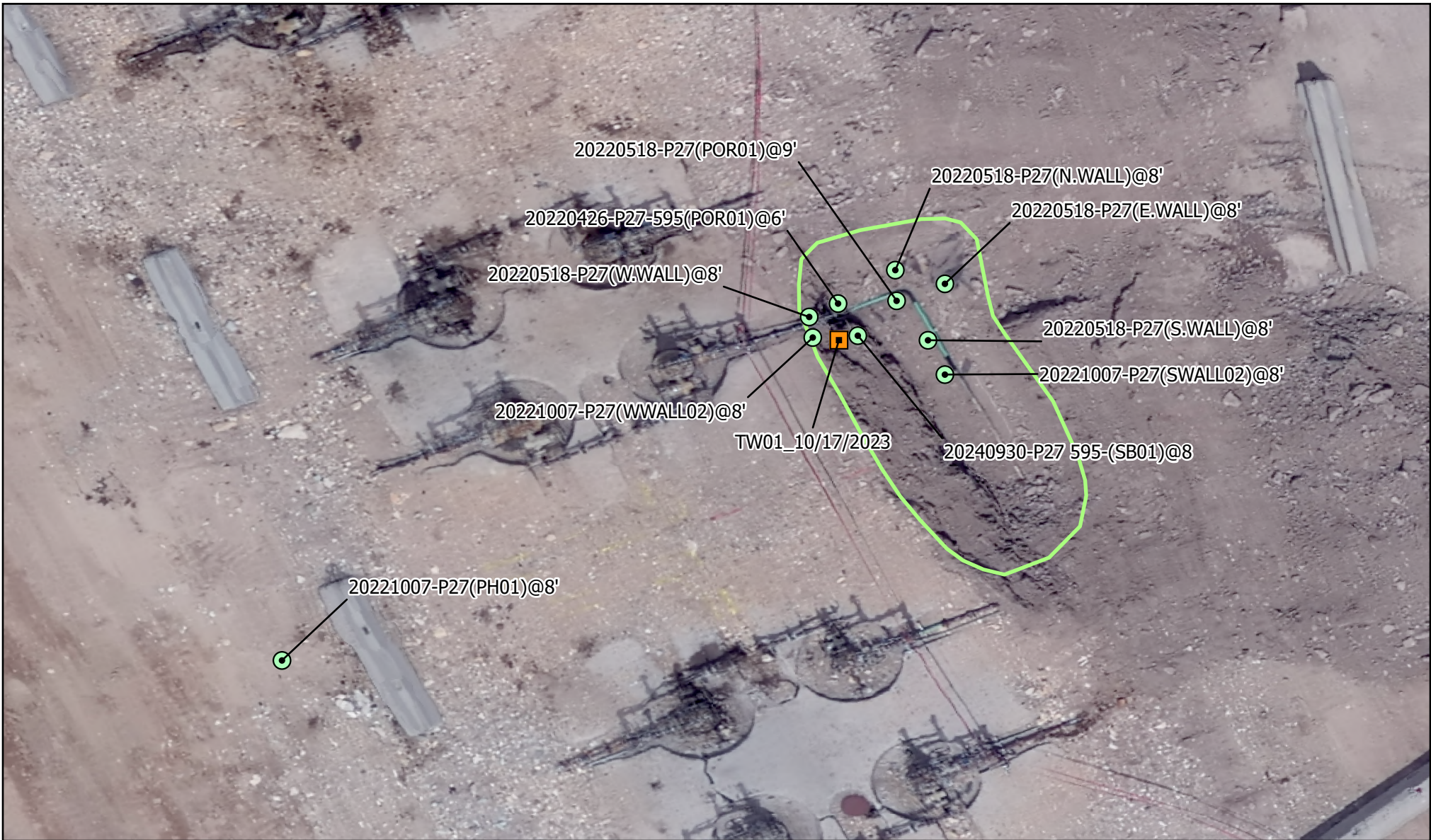


Topographic Location Map

QB Energy Operating, LLC




P27-595 (1C-34)
(N. Parachute/EF P27 595)
ECMC Location ID: 335806
Garfield County
SESE Sec. 27 T5S-R95W



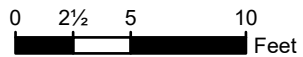


Site Diagram: Site Investigation

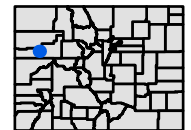
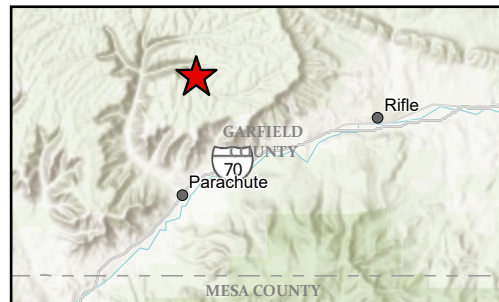
QB Energy Operating, LLC
 P27-595 (1C-34)
 (N. Parachute/EF P27 595)
 ECMC Location ID: 335806
 Garfield County
 SESE Sec. 27 T5S-R95W

-  Treatment Well
-  Soil Sample
-  Excavation Extent

*Imagery date - 04/27/22



Map Drafted by: Amanda Baca on 10/22/2024





Spatial data was collected using a handheld GPS unit with submeter accuracy. Illustration discrepancies may be present in this diagram due to the inherent limitations of data accuracy for both project data and the underlying aerial imagery. The position of illustrated data may have been manually adjusted to align with the aerial imagery in a manner more representative of field conditions for presentation purposes only.



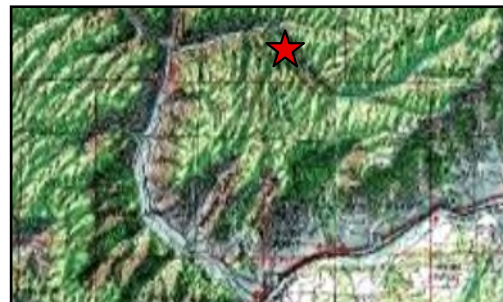
Site Diagram: Surface Water Sample

QB Energy Operating, LLC
 P27-595 (1C-34)
 (N. Parachute/EF P27 595)
 ECMC Location ID: 335806
 Garfield County
 SESE Sec. 27 T5S-R95W

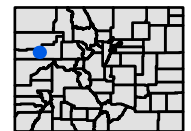
-  Surface Water Sample
-  Excavation Extent

0 112½ 225 450
 Feet

Map Created by: Miranda Beard 10/30/2024



1:2,851



 **CONFLUENCE**
COMPLIANCE COMPANIES

Spatial data was collected using a handheld GPS unit with submeter accuracy. Illustration discrepancies may be present in this diagram due to the inherent limitations of data accuracy for both project data and the underlying aerial imagery. The position of illustrated data may have been manually adjusted to align with the aerial imagery in a manner more representative of field conditions for presentation purposes only.

SOIL ANALYTICAL RESULTS TABLE
P27 595

| | | | | Analyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------|-------------|------------|------------------------------------|------------|-------------|------------|---------|---------|--------------|---------------|-----------|-----------|--------------|------------|-------------------|----------------------|----------------------|----------------|----------|----------------------|--------------|----------|----------------------|---------------------|---------------------|-------------|---------|---------|--|--|--|--|--|--|
| | | | | Total Petroleum Hydrocarbons (TPH) | | | | Benzene | Toluene | Ethylbenzene | Total Xylenes | 1,2,4-TMB | 1,3,5-TMB | Acenaphthene | Anthracene | Benz(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Benzo(a)pyrene | Chrysene | Dibenz(a,h)anthracen | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyre | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene | Pyrene | | | | | | | |
| | | | | 500 | | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 360 | 1800 | 1.1 | 1.1 | 11 | 0.11 | 110 | 0.11 | 240 | 240 | 1.1 | 18 | 24 | 2 | 180 | | | | | | | |
| | | | | mg/kg | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | | | |
| Sample Name | Sample Type | Sample Date | Lab Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20220426-P27 595 (POR01)@6' | POR | 04/26/2022 | L1487528 | 3074 | 291 | 2460 | 323 | 0.617 | 2.7 | 0.213 | 8.61 | 3.2 | 5.61 | 0.185 | < 0.005 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | 0.0084 | 0.61 | < 0.006 | 2.19 | 6.3 | 1.9 | 0.011 | | | | | | | |
| 20220518-P27 (E.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 56.0 | 0.196 | 11.1 | 44.8 | < 0.001 | < 0.005 | < 0.0025 | < 0.0065 | < 0.005 | < 0.005 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | | | | | | |
| 20220518-P27 (N.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 72.0 | 0.204 | 33.7 | 38.1 | < 0.001 | < 0.005 | < 0.0025 | < 0.0065 | < 0.005 | < 0.005 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | | | | | | |
| 20220518-P27 (POR01)@9' | POR | 05/18/2022 | L1496507 | 73.8 | 1.08 | 20.7 | 52 | < 0.001 | < 0.005 | < 0.0025 | < 0.0065 | < 0.005 | < 0.005 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | | | | | | |
| 20220518-P27 (S.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 59.3 | 0.248 | 15.2 | 43.9 | < 0.001 | < 0.005 | < 0.0025 | < 0.0065 | < 0.005 | 0.00635 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | | | | | | |
| 20220518-P27 (W.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 64.4 | 0.69 | 26.5 | 37.2 | < 0.001 | < 0.005 | < 0.0025 | < 0.0065 | < 0.005 | 0.0267 | 0.00507 | 0.0728 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | | | | | | |
| 20221007-P27 (PH01)@8' | Soil Boring | 10/07/2022 | L1544580 | 48.5 | 0.208 | 16 | 32.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20221007-P27 (SWALL02)@8' | Excavation | 10/07/2022 | L1544580 | 237 | 0.211 | 73.6 | 163 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20221007-P27 (WWALL02)@8' | Excavation | 10/07/2022 | L1544580 | 133.6 | 1.39 | 40.2 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes:
 Bold with silver highlight: Exceeds RSSLs
 "<" (as in, less than laboratory reporting detection limit)

**SOIL ANALYTICAL RESULTS TABLE
P27 595**

| | | | | EC | SAR | pH | HWS Boron | Arsenic | Barium | Cadmium | Chromium VI | Copper | Lead | Nickel | Selenium | Silver | Zinc | |
|-----------------------------|-------------|-------------|------------|------------------------|-------------|-------------|-----------|-------------|--------|---------|---------------|--------|-------|--------|----------|--------|-------|-------|
| | | | | Analyte | | | | | | | | | | | | | | |
| | | | | 915-1 RESIDENTIAL SOIL | 4 | 6 | 8.3 | 2 | 0.68 | 15000 | 71 | 0.3 | 3100 | 400 | 1500 | 390 | 390 | 23000 |
| | | | | Units | mmhos/cm | No Unit | SU | mg/L | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Sample Name | Sample Type | Sample Date | Lab Report | | | | | | | | | | | | | | | |
| 20220426-P27 595 (POR01)@6' | POR | 04/26/2022 | L1487528 | 1.19 | 9.88 | 8.42 | 0.664 | 14.2 | 1390 | < 0.5 | < 1 | 28.4 | 14.5 | 15.1 | < 2 | < 1 | 50 | |
| 20220518-P27 (E.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 0.374 | 3.38 | 8.25 | 0.818 | 24.7 | 270 | < 0.5 | < 1 | 19.8 | 9.18 | 13.5 | < 2 | < 1 | 38.1 | |
| 20220518-P27 (N.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 1.67 | 5.20 | 7.92 | 0.906 | 14.7 | 233 | < 0.5 | < 1 | 22.3 | 13.7 | 16.9 | < 2 | < 1 | 48.6 | |
| 20220518-P27 (POR01)@9' | POR | 05/18/2022 | L1496507 | 1.57 | 4.96 | 8.49 | 1.07 | 23.2 | 343 | < 0.5 | < 1 | 27 | 15.7 | 18.2 | < 2 | < 1 | 51.5 | |
| 20220518-P27 (S.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 0.591 | 6.07 | 8.23 | 1.57 | 20.3 | 266 | < 0.5 | < 1 | 25.9 | 16.5 | 19.2 | < 2 | < 1 | 51.5 | |
| 20220518-P27 (W.WALL)@8' | Excavation | 05/18/2022 | L1496507 | 4.33 | 28.6 | 8.01 | 1.08 | 14.1 | 477 | < 0.5 | < 1 | 25.8 | 13.1 | 17 | < 2 | < 1 | 51.6 | |
| 20221007-P27 (PH01)@8' | Soil Boring | 10/07/2022 | L1544580 | 0.298 | 3.11 | 8.56 | | 30.2 | | | | | | | | | | |
| 20221007-P27 (SWALL02)@8' | Excavation | 10/07/2022 | L1544580 | 0.414 | 2.94 | 8.68 | | 21.2 | | | | | | | | | | |
| 20221007-P27 (WWALL02)@8' | Excavation | 10/07/2022 | L1544580 | 2.38 | 15.6 | 8.26 | | 18.0 | | | | | | | | | | |
| 20240930-P27 595-(SB01)@8 | Soil Boring | 09/30/2024 | L1784368 | | 1.77 | | | | | | | | | | | | | |

Notes:
Bold with silver highlight: Exceeds RSSLs
 "<" (as in, less than laboratory reporting detection limit)

**WATER ANALYTICAL RESULTS TABLE
NPRWP**

| | | | | Benzene | Toluene | Ethylbenzene | Total Xylenes | Naphthalene | 1,2,4-TMB | 1,3,5-TMB | TDS | Chloride | Sulfate | |
|--------------------------|--------------------|--------------------|---------------------|--------------------|----------------|---------------------|----------------------|--------------------|------------------|------------------|------------|-----------------|----------------|------|
| | | | | Analyte | | | | | | | | | | |
| | | | | 915-1 WATER | 0.005 | 1 | 0.7 | 10 | 0.14 | 0.067 | 0.067 | | 250 | 250 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Sample Name | Sample Type | Sample Date | Lab Report 2 | | | | | | | | | | | |
| 20220426-P27-595 (SW-01) | Stream | 04/26/2022 | L1487530 | < 0.00100 | < 0.00100 | < 0.00100 | < 0.00300 | < 0.00500 | < 0.00100 | < 0.00100 | 225 | 1.80 | 16.3 | |

Notes:

Bold with blue highlight: Exceeds Water Standards
 "<" (as in, less than laboratory reporting detection limit)



Photographic Log

Remediation Investigation
P27-595 (1C-34) (ECMC Location ID: 335806)



(SB01) Sample Location: View Southwest



Photographic Log

Remediation Investigation

P27-595 (1C-34) (ECMC Location ID: 335806)



1C-34 Wellhead ID Tag



Photographic Log

Remediation Investigation

P27-595 (1C-34) (ECMC Location ID: 335806)



(SB01) Sample Location: View Northwest



Photographic Log

Remediation Investigation

P27-595 (1C-34) (ECMC Location ID: 335806)



(SB01) Sample Location



Photographic Log

Remediation Investigation

P27-595 (1C-34) (ECMC Location ID: 335806)



(SB01) Sample Location

QB Energy

Sample Delivery Group: L1784368
Samples Received: 10/02/2024
Project Number:
Description: P27 595 1C-34 Flowline Release
Site: P27 595
Report To: Jake J. / Brett M. / Blair R. / Andy V.
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

| | | |
|--|----------|-----------------------|
| Cp: Cover Page | 1 | ¹Cp |
| Tc: Table of Contents | 2 | |
| Ss: Sample Summary | 3 | ²Tc |
| Cn: Case Narrative | 4 | |
| Sr: Sample Results | 5 | ³Ss |
| 20240930-P27 595-(SB01)@8 L1784368-01 | 5 | ⁴Cn |
| Gl: Glossary of Terms | 6 | |
| Al: Accreditations & Locations | 7 | ⁵Sr |
| Sc: Sample Chain of Custody | 8 | ⁶Gl |
| | | ⁷Al |
| | | ⁸Sc |

SAMPLE SUMMARY

20240930-P27 595-(SB01)@8 L1784368-01 Solid

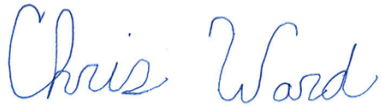
Collected by: Alex Slorby
Collected date/time: 09/30/24 10:00
Received date/time: 10/02/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2378220 | 1 | 10/10/24 13:42 | 10/10/24 13:42 | ZSA | Mt. Juliet, TN |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Gl
- ⁷Al
- ⁸Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Gl

⁷ Al

⁸ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 1.77 | | 1 | 10/10/2024 13:42 | WG2378220 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Gl

⁷Al

⁸Sc

GLOSSARY OF TERMS

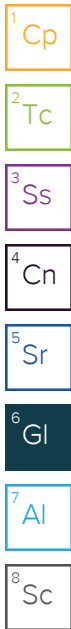
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

| | |
|------------------------------|--|
| SDG | Sample Delivery Group. |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |



Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



