

**K35 CDP Pipeline Release (Form 27)
(REM 10527)**

This Form 27 (Site Investigation and Remediation Workplan) was prepared for the purpose of presenting third quarter 2019 groundwater monitoring and air sparge (AS) system data associated with hydrocarbon impacts discovered at the K35 CDP Pipeline Release in Caerus Oil and Gas LLC's North Parachute Mountain area of operation in Garfield County.

On July 2 and 8, 2019, LT Environmental Inc. (LTE) personnel conducted monthly groundwater monitoring activities including, collection of down-well dissolved oxygen (DO) measurements, fluid level gauging in the product recovery sump, fluid level gauging in all existing groundwater monitoring wells, collecting groundwater samples from monitoring wells MW-15, MW-26, MW-29, MW-30, MW-32, MW-33, MW-34, MW-35, MW-38, and MW-46, collecting air samples form monitoring wells MW-17, MW-32, and, MW-39, and monitoring of the AS system.

On August 7 and 14, 2019, LTE personnel conducted monthly groundwater monitoring activities including fluid level gauging in the product recovery sump, fluid level gauging in all existing groundwater monitoring wells, collecting groundwater samples from monitoring wells MW-15, MW-26, MW-29, MW-30, MW-32, MW-33, MW-34, MW-35, MW-38, and MW-46, and monitoring of the AS system.

On September 17 through 20, 2019, LTE personnel conducted quarterly groundwater monitoring activities including fluid level gauging in the product recovery sump, fluid level gauging in all existing groundwater monitoring wells, collecting groundwater samples from 36 of the 44 monitoring well locations, and monitoring of the AS system. Groundwater monitoring well MW-27 produced insufficient water, therefore a sample could not be collected.

All fluid level measurements were collected utilizing an oil-water interface probe. In order to purge the wells prior to sample collection, at least three casing volumes of groundwater were removed from each monitoring well or the well was purged dry. All groundwater samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX).

GROUNDWATER MONITORING

During the July 2019 groundwater monitoring activities, light non-aqueous phase liquid (LNAPL) was observed in monitoring wells MW-01, MW-06, MW-08, MW-25, and MW-28, with product thicknesses ranging from 0.02 feet in MW-08 to 0.53 feet in MW-06. Three of the 10 samples collected (MW-29, MW-30, and MW-38) exceeded the COGCC Table 910-1 Concentration Level for benzene with concentrations ranging from 11 micrograms per liter ($\mu\text{g/L}$) in MW-38 to 22 $\mu\text{g/L}$ in MW-30. Of the 10 samples collected, seven were either below the laboratory detection limit or were within the COGCC Concentration Levels for BTEX. Down-well DO measurements were collected in all well locations except wells with measurable LNAPL. Generally, DO concentrations were higher outside the impacted areas. A summary of the DO measurements is in the attached Table 5.

During the August 2019 groundwater monitoring activities, LNAPL was observed in monitoring wells MW-01, MW-02, MW-06, MW-08, MW-25, and MW-28 with product thicknesses ranging from 0.03 feet in MW-01 to 0.49 feet in MW-06. Three of the 11 samples collected (MW-29, MW-30, and MW-38) exceeded the COGCC Table 910-1 Concentration Level for benzene with concentrations ranging from 12 $\mu\text{g/L}$ in MW-38 to 21 $\mu\text{g/L}$ in MW-30. Of the 10 samples collected, seven were either below the laboratory detection limit or were within the COGCC Table 910-1 Concentration Levels for BTEX.

During the September 2019 groundwater monitoring activities, LNAPL was observed in the product recovery sump, monitoring wells MW-01, MW-02, MW-06, MW-08, MW-09, MW-25, MW-28, and MW-41. Product thickness ranged from 0.01 feet in MW-41 and the Sump to 0.44 feet in MW-06. The free-phase estimated plume areas are depicted on Figure 1.

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Laboratory analytical results indicate 14 of the 36 samples collected (MW-03, MW-04, MW-05, MW-07, MW-12, MW-16, MW-17, MW-19, MW-20, MW-22, MW-23, MW-29, MW-30, and MW-38) exceeded the COGCC Table 910-1 Concentration Level for benzene with concentrations ranging from 6.3 µg/L in MW-04 to 2,600 µg/L in MW-03. Of the 36 samples collected, 35 were either below the laboratory detection limit or were within the COGCC 910-1 Concentration Level for toluene. Monitoring well MW-03 exceeded the COGCC Table 910-1 Concentration Level for toluene with a concentration of 690 µg/L. Total xylenes concentrations exceeded the COGCC Table 910-1 Concentration Level in monitoring wells MW-03, MW-16, and MW-23 with concentrations ranging from 1,300 µg/L in MW-23 to 2,700 µg/L in MW-16. Of the 36 groundwater samples collected, 22 were either below the laboratory detection limit or were within the COGCC Concentration Levels for BTEX. The dissolved phase hydrocarbon estimated plume areas are depicted on Figure 1. Groundwater flow remains consistent with previous months, generally flowing from west to east. A summary of groundwater laboratory analytical results is depicted on Figure 1 and is included as Table 1. A relative groundwater elevation map is included as Figure 2. A summary of groundwater elevation and product thickness is included in Table 2. Groundwater laboratory analytical reports are included as an attachment.

CONTINUED MONITORING

Groundwater monitoring activities will be conducted on a monthly basis and will be reported on a quarterly basis. Monthly monitoring activities will include gauging fluid levels of the sump and all groundwater monitoring wells and collecting groundwater samples from monitoring wells MW-15, MW-26, MW-29, MW-30, MW-32, MW-33, MW-34, MW-35, MW-38, and MW-46. Quarterly sampling will include groundwater samples collected from all monitoring wells where LNAPL is not observed. All groundwater samples will be submitted for laboratory analysis of BTEX.

REMEDIATION

An estimated 320 gallons of LNAPL was recovered from the recovery sump since its installation. The recovery sump no longer collects enough volume of LNAPL to effectively remove free phase product. Since the start-up of the AS system on January 3, 2018, dissolved phase BTEX concentrations and LNAPL thicknesses have generally decreased throughout the site. From September 12, 2018, to September 18, 2019, BTEX concentrations in MW-17 located along the western most sparge curtain remained below the COGCC Table 910-1 Concentration Levels with the exception of benzene which decreased in concentration from 940 µg/L to 43 µg/L. In addition, BTEX concentrations in MW-33, located along the eastern most sparge curtain have remained below laboratory detection limit or within COGCC Table 910-1 Concentration Levels since September 11, 2018. A summary of groundwater analytical results is included as Table 1 and a summary of LNAPL thickness is included as Table 2. An estimated free phase plume (LNAPL) and dissolved phase plume is depicted on Figure 1.

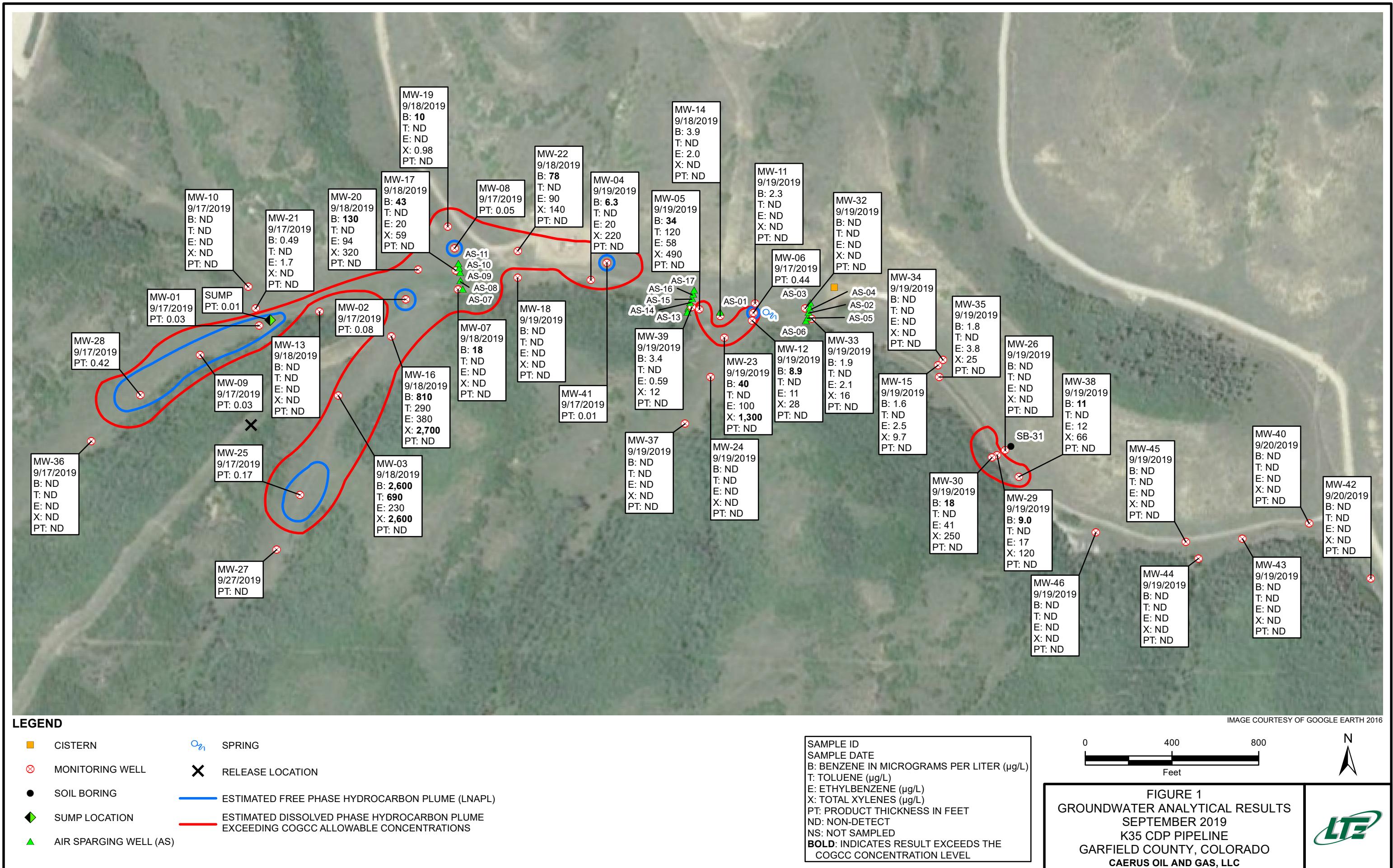
On July 8, August 7, and September 20, 2019, flow and pressure readings were collected from the AS system. The system is divided into two zones: East and West. Flow typically alternates between the zones every hour, for 24 hours a day. During the months of July, August, and September 2019 flow alternated between the zones every hour for 24 hours a day for a total of 372 hours in each zone for July and August, and 360 hours in each zone for September. AS readings are summarized in Table 3.

The air sparging curtains began operation on January 3, 2018. To calculate air emissions, air samples were collected from representative monitoring wells (MW-17, MW-32, and MW-39) along each sparge curtain where influence from the sparge flow was observed. The air samples were collected on July 8, 2019, and shipped to ALS

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Environmental in Simi Valley, California under strict COC procedures for analysis of total volatile petroleum hydrocarbons (TVPH) as gasoline per modified EPA Method TO-3. Flow measurements from January 2019 through September 2019 indicate the total flow of the three sparge curtains is approximately 26,031,312 cubic feet (cf). The estimated TVPH air emissions is 0.10 tons (205 pounds) resulting from volatilization of hydrocarbons during operation of the AS curtains. A summary of quarterly and total air emission estimate calculations is included as Table 4, and the laboratory analytical report is included as an attachment.

NARRATIVE ATTACHMENT
FORM 27 (SITE INVESTIGATION AND REMEDIATION WORKPLAN)



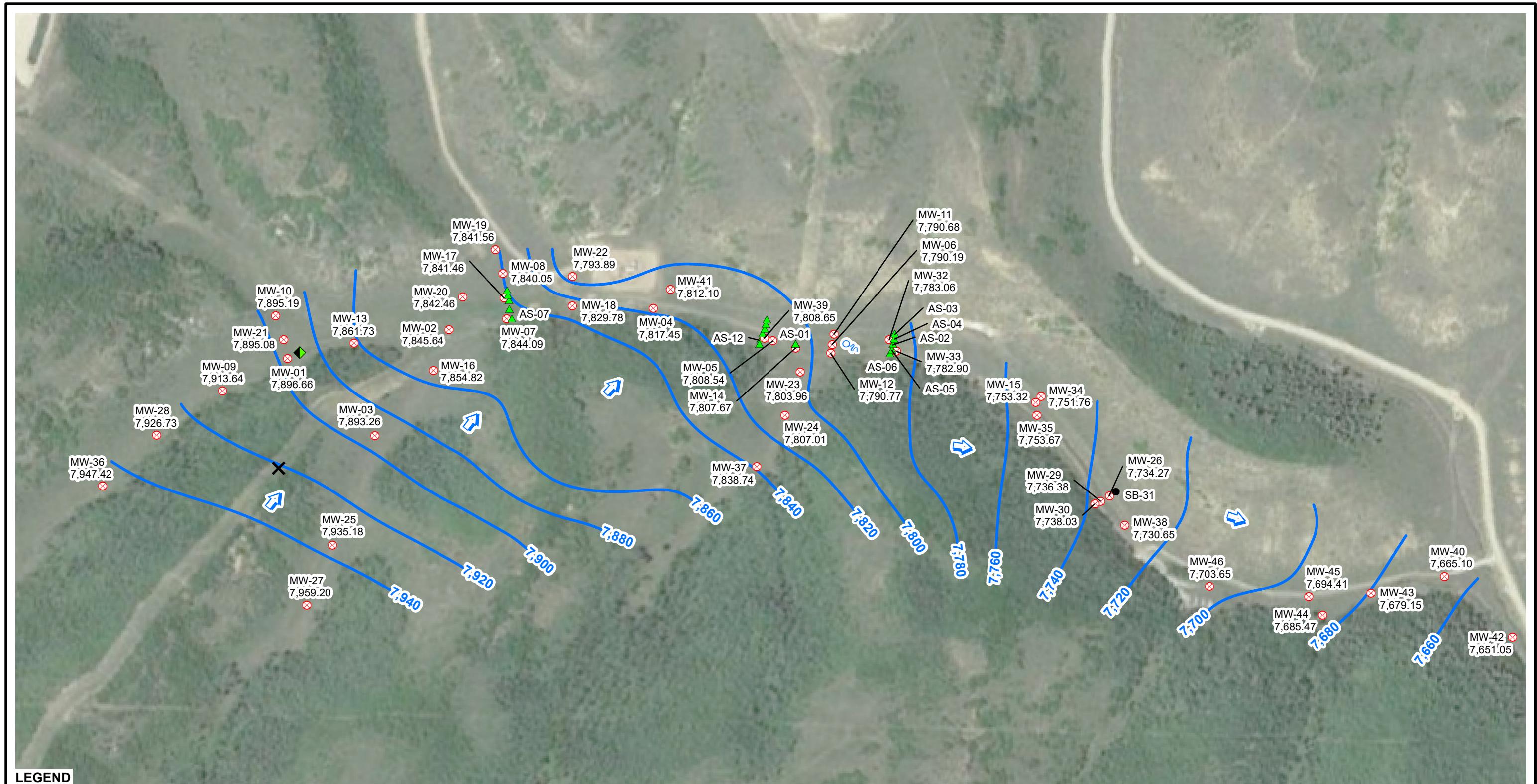


FIGURE 2
RELATIVE GROUNDWATER ELEVATION MAP
SEPTEMBER 17, 2019
K35 CDP PIPELINE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC



TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| ENPR5WW | 10/17/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ENPR30SP | 10/17/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| CISTERN | 10/31/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-01 | 3/22/2018 | 3,400 | 1,400 | 490 | 4,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 2,900 | 5,700 | 550 | 7,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | 1,600 | 4,100 | 450 | 9,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | 400 | 25 | 150 | 470 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | 150 | 15 | 130 | 310 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 280 | 180 | 160 | 890 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-02 | 10/17/2017 | 9,700 | 21,000 | 760 | 12,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/21/2018 | 4,500 | 11,000 | 520 | 9,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 3,600 | 6,500 | 550 | 10,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 2,600 | 5,000 | 410 | 8,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 2,100 | 4,200 | 340 | 7,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 1,800 | 3,900 | 530 | 11,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 980 | 1,400 | 380 | 8,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-03 | 10/17/2017 | 8,100 | 11,000 | 220 | 3,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/19/2017 | 9,300 | 13,000 | 340 | 7,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 9,900 | 15,000 | 320 | 6,600 | 610 | 200 | 21 | 110 | 2.4 | 230 | 0.074 | 100 | ND |
| | 3/22/2018 | 7,200 | 1,200 | 290 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 6,000 | 4,200 | 340 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 6,000 | 3,900 | 350 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 4,600 | 2,300 | 350 | 4,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 3,800 | 1,600 | 290 | 4,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 3,400 | 1,100 | 260 | 3,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-04 | 9/18/2019 | 2,600 | 690 | 230 | 2,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/17/2017 | 7,000 | 19,000 | 680 | 10,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 2,100 | 3,400 | 160 | 9,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 1,600 | 180 | 62 | 1,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 520 | 24 | 35 | 630 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 100 | ND | 8.5 | 220 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 3.5 | 0.40 | 0.75 | 42 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 110 | 320 | 160 | 2,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-05 | 9/19/2019 | 6.3 | ND | 20 | 220 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 600 | 4,100 | 360 | 6,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 390 | 1,000 | 190 | 3,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 460 | 560 | 160 | 2,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 53 | 310 | 100 | 1,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 260 | 400 | 380 | 3,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | 10 | 21 | 1,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-06 | 9/19/2019 | 34 | 120 | 58 | 490 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/18/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 1,900 | 6,800 | 440 | 7,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 780 | 8,800 | 500 | 9,700 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 180 | 1,500 | 280 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 31 | 170 | 150 | 3,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 25 | 140 | 100 | 1,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-06 | 6/4/2019 | ND | 210 | 260 | 4,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
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CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-07 | 10/18/2017 | 370 | 0.59 | 0.86 | 5.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 20 | ND | ND | ND | 94 | 30 | 11 | 120 | 0.093 | 16 | 0.25 | 100 | ND |
| | 3/21/2018 | 500 | 3.9 | 1.3 | 14 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 96 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 26 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 47 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 76 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 9.7 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 18 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-08 | 10/18/2017 | 9,100 | 24,000 | 900 | 13,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/21/2018 | 3,700 | 4,200 | 650 | 9,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 2,700 | 4,600 | 530 | 7,200 | NA | 18 | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 1,800 | 3,300 | 460 | 6,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 570 | 1,100 | 220 | 3,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 580 | 1,800 | 280 | 3,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 280 | 800 | 150 | 3,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/24/2017 | 7,200 | 7,800 | 320 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-09 | 12/14/2017 | 5,900 | 4,100 | 270 | 4,000 | 240 | 110 | 21 | 140 | 0.48 | 49 | 0.11 | 36 | ND |
| | 3/22/2018 | 3,800 | 4,200 | 400 | 7,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 2,600 | 210 | 240 | 1,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | 1,600 | 580 | 180 | 2,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | 800 | 460 | 170 | 2,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | 340 | 1,300 | 160 | 5,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 250 | 210 | 130 | 1,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/24/2017 | 2.7 | 1.3 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-10 | 12/14/2017 | 1.7 | 1.2 | ND | ND | 320 | 120 | 23 | 170 | ND | 2.8 | 0.23 | 79 | ND |
| | 3/22/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/17/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/25/2017 | 16 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-11 | 10/31/2017 | 650 | 5.2 | 15 | 95 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 1,300 | ND | ND | 100 | 310 | 130 | 31 | 83 | 0.088 | 9.8 | 0.073 | 93 | ND |
| | 3/20/2018 | 1,600 | 11 | 1.4 | 110 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 2,400 | ND | ND | 8.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 250 | ND | 0.73 | 1.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 7.0 | ND | 0.32 | 0.91 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 2.0 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 2.8 | ND | ND | 1.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 2.3 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
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GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-12 | 10/25/2017 | 1,800 | 4,900 | 110 | 4,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/31/2017 | 1,500 | 4,200 | 63 | 3,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 2,100 | 4,500 | 130 | 4,400 | 200 | 82 | 27 | 99 | 0.13 | 13 | ND | 75 | ND |
| | 3/20/2018 | 2,000 | 1,900 | 120 | 4,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 1,200 | ND | 21 | 570 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 340 | ND | 6.3 | 76 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 87 | ND | 14 | 85 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 21 | ND | 10 | 32 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 1.4 | ND | 2.4 | 130 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 8.9 | ND | 11 | 28 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-13 | 11/8/2017 | 10 | 7.2 | ND | 2.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/14/2017 | 2.1 | 2.2 | ND | 0.97 | 520 | 200 | 34 | 280 | ND | 9.3 | 0.24 | 230 | ND |
| | 3/22/2018 | 0.61 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 1.9 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | 1.3 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | 0.67 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-14 | 10/27/2017 | 170 | 3.4 | 2.4 | 23 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 2,000 | 2.6 | 1.8 | 170 | 120 | 67 | 27 | 53 | 0.098 | 10 | ND | 79 | 0.041 |
| | 3/20/2018 | 2,200 | 3.6 | 4.8 | 40 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 2,200 | ND | 10 | 72 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 610 | ND | 1.8 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 18 | ND | 0.78 | 0.84 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 1.7 | ND | 1.2 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 3.0 | ND | 1.7 | 3.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 3.9 | ND | 2.0 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-15 | 10/27/2017 | 39 | 100 | 1.5 | 220 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/31/2017 | 110 | 280 | 2.2 | 430 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 860 | 3,200 | 140 | 4,300 | 140 | 60 | 15 | 61 | ND | 9.8 | 0.074 | 83 | ND |
| | 1/17/2018 | 1,200 | 4,200 | 190 | 4,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 720 | 3,900 | 190 | 4,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 570 | 3,600 | 220 | 6,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 600 | 1,100 | 120 | 6,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 290 | 87 | 50 | 2,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | 150 | 2.4 | 37 | 1,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 90 | 0.61 | 21 | 490 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 64 | 0.66 | 15 | 370 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 32 | ND | 11 | 180 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 15 | ND | 7.8 | 120 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 9.3 | ND | 6.4 | 73 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | 6.3 | ND | 5.0 | 65 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 4.5 | ND | 4.5 | 45 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | 3.3 | ND | 3.7 | 42 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 1.5 | ND | 2.1 | 200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 0.78 | ND | 1.2 | 120 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 1.1 | ND | 1.5 | 29 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | 1.1 | ND | 1.6 | 20 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | 0.98 | ND | 1.7 | 11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 1.6 | ND | 2.5 | 9.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-16 | 10/24/2017 | 5,900 | 9,600 | 510 | 8,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 4,900 | 9,700 | 320 | 5,800 | 290 | 110 | 15 | 120 | 0.39 | 38 | 0.075 | 72 | ND |
| | 3/21/2018 | 3,800 | 7,600 | 390 | 7,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 3,000 | 2,700 | 390 | 5,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 3,600 | 7,200 | 490 | 7,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 2,200 | 3,900 | 490 | 4,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 1,600 | 1,600 | 470 | 4,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 1,000 | 550 | 410 | 3,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 810 | 290 | 380 | 2,700 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-17 | 10/25/2017 | 5,700 | 10,000 | 280 | 4,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 5,600 | 9,000 | 280 | 3,900 | 110 | 56 | 10 | 63 | 0.32 | 31 | 0.084 | 80 | ND |
| | 3/21/2018 | 2,600 | 200 | 230 | 3,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 240 | 0.91 | 13 | 180 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 930 | ND | 100 | 490 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 420 | 0.51 | 93 | 280 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 490 | ND | 120 | 340 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 81 | ND | 28 | 120 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 43 | ND | 20 | 59 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-18 | 10/27/2017 | 4.4 | 5.7 | 0.42 | 3.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 1.8 | 2.4 | 0.81 | 2.7 | 760 | 260 | 55 | 380 | ND | 32 | 0.59 | 110 | ND |
| | 3/21/2018 | 3.7 | 2.6 | 0.48 | 1.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 2.2 | 0.79 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 2.8 | 1.5 | ND | 0.87 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 3.2 | 1.9 | 0.43 | 1.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 2.1 | 0.74 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 1.9 | 1.60 | ND | 1.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-19 | 10/27/2017 | 0.86 | 1.2 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | ND | ND | ND | ND | 550 | 200 | 33 | 280 | ND | 5.3 | ND | 140 | ND |
| | 3/21/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 2.1 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 7.2 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 1.6 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 7.8 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 2.1 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 10 | ND | ND | 0.98 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-20 | 10/31/2017 | 5,300 | 16,000 | 580 | 8,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 5,500 | 8,000 | 340 | 5,300 | 280 | 110 | 15 | 130 | 0.20 | 21 | 0.12 | 92 | ND |
| | 3/21/2018 | 3,100 | 1,400 | 340 | 3,700 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 1,600 | 8.2 | 240 | 1,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 850 | 16 | 210 | 850 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 530 | 4.6 | 160 | 870 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 300 | ND | 130 | 360 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 140 | 9.6 | 130 | 540 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 130 | ND | 94 | 320 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-21 | 10/31/2017 | 7,400 | 11,000 | 110 | 2,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/14/2017 | 7,100 | 5,100 | 300 | 1,600 | 180 | 130 | 27 | 63 | 0.46 | 45 | ND | 92 | ND |
| | 3/22/2018 | 5,500 | 81 | 260 | 720 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 3,100 | ND | 200 | 150 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | 620 | 0.37 | 96 | 8.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | 7.2 | ND | 61 | 4.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | ND | ND | 5.8 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | ND | ND | 12 | 1.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/17/2019 | 0.49 | ND | 1.7 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-22 | 11/1/2017 | 6,800 | 7,300 | 290 | 1,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 8,300 | 1,000 | 300 | 2,100 | 220 | 110 | 28 | 68 | 0.29 | 28 | 0.087 | 88 | ND |
| | 3/21/2018 | 3,700 | 85 | 240 | 1,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 3,100 | 100 | 200 | 750 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 1,100 | 73 | 190 | 950 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 450 | 190 | 190 | 2,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 210 | ND | 300 | 1,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 110 | ND | 140 | 570 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/18/2019 | 78 | ND | 90 | 140 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-23 | 3/21/2018 | 2,300 | 12,000 | 780 | 14,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 2,100 | 7,600 | 860 | 16,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 720 | 2,600 | 660 | 16,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 390 | 1,600 | 770 | 7,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 200 | 210 | 210 | 4,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 23 | 15 | 78 | 1,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 40 | ND | 100 | 1,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-24 | 12/13/2017 | ND | ND | ND | 230 | 94 | 24 | 150 | ND | 2.7 | 0.16 | 74 | ND | |
| | 3/21/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 6/20/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 9/12/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 12/10/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 3/8/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 6/4/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 9/19/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| MW-25 | 3/22/2018 | 12,000 | 27,000 | 1,600 | 17,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 11,000 | 36,000 | 2,200 | 31,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 9,000 | 29,000 | 1,300 | 21,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 7,600 | 25,000 | 1,200 | 16,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/12/2019 | 6,000 | 22,000 | 1,100 | 16,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 5,700 | 22,000 | 940 | 15,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-26 | 11/1/2017 | 22 | 39 | 2.7 | 17 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | ND | ND | ND | ND | 300 | 100 | 11 | 58 | ND | 8.1 | 0.080 | 84 | ND |
| | 1/17/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 0.87 | 1.0 | 0.31 | 3.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | ND | ND | ND | 0.76 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | ND | ND | ND | 0.88 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-28 | 11/2/2017 | 190 | 150 | 16 | 210 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/22/2018 | 460 | 1,100 | 150 | 1,700 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | 220 | 1,000 | 210 | 3,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | 540 | 4,000 | 360 | 6,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | 320 | 2,200 | 330 | 5,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | 170 | 1,400 | 360 | 6,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | 78 | 520 | 140 | 2,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-29 | 11/3/2017 | 3.2 | 8.1 | 0.91 | 5.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | ND | ND | ND | ND | 310 | 100 | 9.4 | 60 | ND | 8.4 | ND | 79 | ND |
| | 1/17/2018 | 550 | 5,100 | 160 | 4,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 410 | 3,500 | 160 | 4,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 440 | 4,000 | 190 | 6,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 240 | 1,500 | 110 | 4,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 250 | 840 | 65 | 3,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | 160 | 390 | 32 | 2,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 90 | 65 | 26 | 2,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 55 | 22 | 17 | 1,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 41 | 5.5 | 13 | 1,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 58 | 5.8 | 17 | 970 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 37 | 5.3 | 23 | 830 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | 38 | 2.6 | 44 | 1,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | 20 | 3.9 | 23 | 860 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 16 | 4.8 | 22 | 710 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | 12 | 5.6 | 15 | 380 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 11 | 1.4 | 20 | 920 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 7.4 | ND | 13 | 560 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 7.9 | 5.4 | 15 | 240 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | 14 | ND | 23 | 250 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | 13 | ND | 20 | 160 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 9.0 | ND | 17 | 120 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-30 | 11/3/2017 | 13 | 14 | 1.1 | 6.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 0.98 | 2.0 | ND | ND | 320 | 110 | 13 | 71 | ND | 8.5 | 0.068 | 80 | ND |
| | 1/17/2018 | 210 | 540 | 9.3 | 160 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 460 | 1,600 | 34 | 1,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 700 | 3,000 | 72 | 3,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 460 | 1,800 | 55 | 2,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 510 | 1,500 | 56 | 2,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 330 | 760 | 40 | 2,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 270 | 360 | 40 | 2,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 240 | 180 | 66 | 3,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 190 | 120 | 82 | 3,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 130 | 41 | 54 | 2,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 100 | 27 | 66 | 2,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | 120 | 7.8 | 120 | 2,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | 65 | 2.2 | 67 | 1,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 40 | 1.8 | 53 | 630 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | 33 | 1.2 | 36 | 420 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 30 | 0.78 | 60 | 980 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 18 | ND | 51 | 970 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 21 | ND | 64 | 660 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | 22 | ND | 48 | 510 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | 21 | ND | 52 | 400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 18 | ND | 41 | 250 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-32 | 11/3/2017 | 26 | 39 | 4.2 | 93 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 220 | 1,400 | 110 | 8,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 880 | 2,900 | 380 | 22,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 120 | 83 | 9.6 | 2,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 92 | 4.0 | 3.2 | 750 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 3.9 | 0.75 | ND | 180 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 17 | ND | ND | 27 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 130 | 0.43 | 13 | 210 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 4.5 | ND | 0.71 | 19 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 1.1 | ND | ND | 5.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | ND | ND | ND | 3.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | ND | ND | ND | 1.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | ND | ND | ND | 1.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | ND | ND | ND | 0.82 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 2.0 | ND | 3.7 | 36 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 2.5 | ND | 9.4 | 52 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 1.2 | ND | 15 | 72 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | ND | 2.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | ND | 1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-33 | 2/21/2018 | 490 | 5,400 | 570 | 12,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 360 | 3,900 | 520 | 11,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 1,500 | 2,300 | 160 | 10,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 230 | 99 | 14 | 1,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 98 | 85 | 18 | 1,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 23 | 50 | 21 | 1,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 100 | 14 | 11 | 660 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 4.8 | 2.6 | 1.9 | 410 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 1.8 | 0.71 | 5.9 | 320 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | ND | ND | 3.0 | 380 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | ND | 1.2 | 2.6 | 170 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | ND | 0.71 | 6.0 | 110 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | ND | ND | 2.9 | 37 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | 7.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | ND | ND | 1.2 | 16 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | ND | ND | 1.5 | 30 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | 1.1 | 16 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | 1.3 | 14 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | ND | ND | 1.0 | 7.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 1.9 | ND | 2.1 | 16 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-34 | 11/3/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | ND | ND | ND | ND | 280 | 120 | 29 | 92 | ND | 8.6 | ND | 84 | ND |
| | 1/17/2018 | 470 | 15 | 13 | 440 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 560 | 28 | 33 | 1,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 69 | 37 | 1.8 | 460 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 480 | 110 | 100 | 5,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 310 | ND | 29 | 1,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | 190 | ND | 22 | 770 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 110 | ND | 13 | 440 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 74 | ND | 6.7 | 99 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 43 | ND | 3.7 | 4.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 25 | ND | 3.1 | 2.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 8.2 | ND | 2.2 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 2.4 | ND | 1.3 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | 1.8 | ND | 1.3 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 0.90 | ND | 0.98 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | 0.60 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | ND | ND | ND | 6.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-35 | 11/8/2017 | 470 | 1,500 | 13 | 1,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | 1,300 | 6,100 | 150 | 6,500 | 350 | 120 | 32 | 120 | 0.098 | 11 | ND | 82 | ND |
| | 2/21/2018 | 730 | 9,500 | 750 | 18,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 790 | 5,800 | 360 | 11,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 570 | 1,600 | 120 | 6,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 330 | 450 | 47 | 4,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 130 | 85 | 38 | 3,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 81 | 310 | 78 | 3,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 50 | 96 | 31 | 2,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 32 | 36 | 20 | 2,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 22 | 31 | 20 | 1,900 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 13 | 13 | 18 | 2,500 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | 6.6 | ND | 5.4 | 4,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/4/2019 | 6.1 | ND | 4.4 | 930 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 4.8 | ND | 2.7 | 450 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | 3.0 | ND | 2.0 | 490 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 1.7 | ND | 1.5 | 560 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 1.2 | ND | 1.3 | 210 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | 1.9 | 110 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | 3.2 | 58 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/1/2019 | 1.3 | ND | 2.3 | 30 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 1.8 | ND | 3.8 | 25 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-36 | 11/8/2017 | 0.51 | 2.2 | ND | 3.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/14/2017 | ND | ND | ND | ND | 250 | 86 | 18 | 53 | ND | 5.5 | 0.096 | 91 | ND |
| | 3/22/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/21/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/14/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/18/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/17/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-37 | 11/8/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | ND | ND | ND | ND | 230 | 88 | 15 | 91 | ND | 3.0 | 0.11 | 55 | ND |
| | 3/21/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/10/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-38 | 11/15/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | ND | ND | ND | ND | 210 | 92 | 18 | 57 | ND | 7.7 | ND | 81 | 0.098 |
| | 1/17/2018 | 250 | 1,700 | 26 | 1,400 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | 400 | 2,000 | 82 | 3,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 220 | 1,500 | 72 | 3,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | 120 | 530 | 50 | 3,300 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | 190 | 170 | 31 | 2,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | 150 | 45 | 18 | 1,100 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | 100 | 1.5 | 16 | 1,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | 81 | ND | 11 | 560 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/11/2018 | 70 | ND | 12 | 310 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | 64 | ND | 12 | 190 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | 56 | ND | 13 | 220 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | 65 | ND | 16 | 260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/3/2019 | 42 | ND | 14 | 190 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2019 | 34 | ND | 16 | 170 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | 30 | ND | 18 | 160 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 6.8 | ND | 4.2 | 130 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | 3.9 | ND | 1.9 | 38 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | 6.6 | ND | 3.4 | 56 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | 11 | ND | 6.4 | 75 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | 12 | ND | 9.3 | 70 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 11 | ND | 12 | 66 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-39 | 11/15/2017 | 340 | 280 | 21 | 340 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | 210 | 1,100 | 95 | 1,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 38 | 160 | 44 | 920 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 5.1 | 7.8 | 6.0 | 170 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 13 | ND | 1.6 | 48 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | ND | ND | ND | 10 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | ND | ND | 2.2 | 210 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | 3.4 | ND | 0.59 | 12 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|-----------|------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-40 | 11/15/2017 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/12/2017 | ND | ND | ND | ND | 330 | 110 | 22 | 100 | ND | 4.8 | 0.11 | 83 | 0.63 |
| | 1/17/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/21/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/20/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/17/2018 | ND | 0.41 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/17/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/18/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/19/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/15/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-41 | 6/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/20/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-41 | 11/21/2017 | 3,800 | 6,200 | 400 | 6,200 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/13/2017 | 5,500 | 640 | 410 | 2,100 | 560 | 99 | 18 | 67 | 0.16 | 19 | 0.11 | 93 | ND |
| | 3/20/2018 | 5,500 | 3,700 | 540 | 6,600 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/20/2018 | 3,200 | 27 | 160 | 620 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/12/2018 | 830 | 110 | 240 | 2,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2018 | 240 | ND | 65 | 67 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/8/2019 | 120 | 260 | 370 | 5,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/4/2019 | 140 | ND | 540 | 6,800 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-42 | 9/17/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/20/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-43 | 9/17/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-44 | 9/18/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-45 | 9/18/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 1
GROUNDWATER LABORATORY RESULTS SUMMARY TABLE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample ID | Date | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Calcium mg/L | Magnesium mg/L | Potassium mg/L | Sodium mg/L | Bromide mg/L | Chloride mg/L | Fluoride mg/L | Sulfate mg/L | Nitrogen Nitrate mg/L |
|----------------------------------|---|-----------------|-----------------|----------------------|-----------------------|-----------------|-------------------|-------------------|----------------|-----------------|------------------|------------------|-----------------|--------------------------|
| MW-46 | 9/18/2018 | ND | ND | ND | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/3/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/8/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/6/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 1/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2/5/2018 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 3/5/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4/2/2019 | 0.61 | ND | 0.41 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/2/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 6/3/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/14/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/19/2019 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Spring | 5/2/2019 | 3.5 | 4.4 | 2.9 | 190 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/8/2019 | ND | ND | 1.9 | 70 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COGCC CONCENTRATION LEVELS |  | 5 | 560 | 700 | 1,400 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Notes:

ND - analyte not detected

BOLD - indicates result exceeds the COGCC concentration level

COGCC - Colorado Oil and Gas Conservation Commission

µg/L - micrograms per liter

mg/L - milligrams per liter

SU - standard unit

highlighted - preliminary results

-- no established standard

NA - not analyzed

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-01 | 10/16/2017 | 18.07 | 17.82 | 0.25 | 27.10 | 7914.67 | 7896.60 |
| | 10/25/2017 | 18.10 | 17.84 | 0.26 | 27.10 | 7914.67 | 7896.57 |
| | 12/14/2017 | 18.10 | 17.99 | 0.11 | 27.10 | 7914.67 | 7896.57 |
| | 1/18/2018 | 18.11 | 18.02 | 0.09 | NM | 7914.67 | 7896.56 |
| | 2/20/2018 | 18.24 | 18.15 | 0.09 | NM | 7914.67 | 7896.43 |
| | 3/19/2018 | 18.01 | 17.94 | 0.07 | NM | 7914.67 | 7896.66 |
| | 4/16/2018 | 17.52 | 17.46 | 0.06 | NM | 7914.67 | 7897.15 |
| | 5/9/2018 | 18.06 | 18.00 | 0.06 | NM | 7914.67 | 7896.61 |
| | 6/11/2018 | 18.34 | 18.28 | 0.06 | NM | 7914.67 | 7896.33 |
| | 7/19/2018 | 18.53 | 18.49 | 0.04 | NM | 7914.67 | 7896.14 |
| | 8/15/2018 | 18.64 | 18.58 | 0.06 | NM | 7914.67 | 7896.03 |
| | 9/11/2018 | 18.73 | 18.67 | 0.06 | NM | 7914.67 | 7895.94 |
| | 10/2/2018 | 18.82 | 18.71 | 0.11 | NM | 7914.67 | 7895.85 |
| | 11/7/2018 | 18.85 | 18.75 | 0.10 | NM | 7914.67 | 7895.82 |
| | 12/5/2018 | 18.87 | 18.78 | 0.09 | NM | 7914.67 | 7895.80 |
| | 1/3/2019 | 18.91 | 18.82 | 0.09 | NM | 7914.67 | 7895.76 |
| | 2/4/2019 | 18.95 | 18.86 | 0.09 | NM | 7914.67 | 7895.72 |
| | 3/4/2019 | 19.00 | 18.92 | 0.08 | NM | 7914.67 | 7895.67 |
| | 4/1/2019 | 18.40 | 18.35 | 0.05 | NM | 7914.67 | 7896.27 |
| | 5/1/2019 | 16.70 | 16.54 | 0.16 | NM | 7914.67 | 7897.97 |
| | 6/3/2019 | 17.23 | 17.20 | 0.03 | NM | 7914.67 | 7897.44 |
| | 7/2/2019 | 17.35 | 17.32 | 0.03 | NM | 7914.67 | 7897.32 |
| | 8/7/2019 | 17.63 | 17.60 | 0.03 | NM | 7914.67 | 7897.04 |
| | 9/17/2019 | 18.01 | 17.98 | 0.03 | NM | 7914.67 | 7896.66 |
| MW-02 | 10/16/2017 | 29.91 | 29.90 | 0.01 | 35.61 | 7874.64 | 7844.73 |
| | 10/25/2016 | 30.00 | 29.95 | 0.05 | 35.61 | 7874.64 | 7844.64 |
| | 12/13/2017 | 30.10 | 30.02 | 0.08 | 35.61 | 7874.64 | 7844.54 |
| | 1/18/2018 | 30.07 | 30.02 | 0.05 | NM | 7874.64 | 7844.57 |
| | 2/20/2018 | 30.15 | 30.09 | 0.06 | NM | 7874.64 | 7844.49 |
| | 3/19/2018 | 29.56 | 29.47 | 0.09 | NM | 7874.64 | 7845.08 |
| | 4/16/2018 | 28.60 | 28.59 | 0.01 | NM | 7874.64 | 7846.04 |
| | 5/9/2018 | 29.63 | 29.60 | 0.03 | NM | 7874.64 | 7845.01 |
| | 6/11/2018 | 30.02 | 29.97 | 0.05 | NM | 7874.64 | 7844.62 |
| | 7/19/2018 | 30.24 | 30.23 | 0.01 | NM | 7874.64 | 7844.40 |
| | 8/15/2018 | 30.45 | 30.38 | 0.07 | NM | 7874.64 | 7844.19 |
| | 9/11/2018 | 30.62 | 30.40 | 0.22 | NM | 7874.64 | 7844.02 |
| | 10/2/2018 | 30.69 | 30.50 | 0.19 | NM | 7874.64 | 7843.95 |
| | 11/7/2018 | 30.77 | 30.58 | 0.19 | NM | 7874.64 | 7843.87 |
| | 12/5/2018 | 30.76 | 30.56 | 0.20 | NM | 7874.64 | 7843.88 |
| | 1/3/2019 | 30.69 | 30.58 | 0.11 | NM | 7874.64 | 7843.95 |
| | 2/4/2019 | 30.78 | 30.62 | 0.16 | NM | 7874.64 | 7843.86 |
| | 3/4/2019 | 30.86 | 30.71 | 0.15 | NM | 7874.64 | 7843.78 |
| | 4/1/2019 | 29.74 | 29.67 | 0.07 | NM | 7874.64 | 7844.90 |
| | 5/1/2019 | 26.98 | ND | ND | NM | 7874.64 | 7847.66 |
| | 6/3/2019 | 28.71 | 28.70 | 0.01 | NM | 7874.64 | 7845.93 |
| | 7/2/2019 | 27.98 | ND | ND | NM | 7874.64 | 7846.66 |
| | 8/7/2019 | 28.73 | 28.67 | 0.06 | NM | 7874.64 | 7845.91 |
| | 9/17/2019 | 29.00 | 28.92 | 0.08 | NM | 7874.64 | 7845.64 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-03 | 10/16/2017 | 18.00 | ND | ND | 32.89 | 7913.02 | 7895.02 |
| | 10/25/2017 | 18.38 | ND | ND | 32.89 | 7913.02 | 7894.64 |
| | 12/13/2017 | 18.80 | ND | ND | 35.10 | 7913.02 | 7894.22 |
| | 1/18/2018 | 19.02 | ND | ND | NM | 7913.02 | 7894.00 |
| | 2/20/2018 | 19.24 | ND | ND | NM | 7913.02 | 7893.78 |
| | 3/19/2018 | 19.40 | ND | ND | NM | 7913.02 | 7893.62 |
| | 4/16/2018 | 18.97 | ND | ND | NM | 7913.02 | 7894.05 |
| | 5/9/2018 | 19.35 | ND | ND | NM | 7913.02 | 7893.67 |
| | 6/11/2018 | 19.61 | ND | ND | NM | 7913.02 | 7893.41 |
| | 7/19/2018 | 19.71 | ND | ND | NM | 7913.02 | 7893.31 |
| | 8/15/2018 | 19.76 | ND | ND | NM | 7913.02 | 7893.26 |
| | 9/11/2018 | 19.69 | ND | ND | NM | 7913.02 | 7893.33 |
| | 10/2/2018 | 19.74 | ND | ND | NM | 7913.02 | 7893.28 |
| | 11/7/2018 | 19.84 | ND | ND | NM | 7913.02 | 7893.18 |
| | 12/5/2018 | 19.93 | ND | ND | NM | 7913.02 | 7893.09 |
| | 1/3/2019 | 20.05 | ND | ND | NM | 7913.02 | 7892.97 |
| | 2/4/2019 | 20.14 | ND | ND | NM | 7913.02 | 7892.88 |
| | 3/4/2019 | 20.20 | ND | ND | NM | 7913.02 | 7892.82 |
| | 4/1/2019 | 19.95 | ND | ND | NM | 7913.02 | 7893.07 |
| | 5/1/2019 | 17.82 | ND | ND | NM | 7913.02 | 7895.20 |
| | 6/3/2019 | 18.36 | ND | ND | NM | 7913.02 | 7894.66 |
| | 7/2/2019 | 18.60 | ND | ND | NM | 7913.02 | 7894.42 |
| | 8/7/2019 | 19.32 | ND | ND | NM | 7913.02 | 7893.70 |
| | 9/17/2019 | 19.76 | ND | ND | NM | 7913.02 | 7893.26 |
| MW-04 | 10/17/2017 | 34.50 | 34.49 | 0.01 | 40.59 | 7852.28 | 7817.78 |
| | 10/25/2017 | 34.49 | ND | ND | 40.59 | 7852.28 | 7817.79 |
| | 12/13/2017 | 34.52 | 34.48 | 0.04 | 40.62 | 7852.28 | 7817.76 |
| | 1/17/2018 | 34.49 | 34.45 | 0.04 | NM | 7852.28 | 7817.79 |
| | 2/20/2018 | 34.49 | 34.46 | 0.03 | NM | 7852.28 | 7817.79 |
| | 3/19/2018 | 34.50 | ND | ND | NM | 7852.28 | 7817.78 |
| | 4/16/2018 | 34.52 | ND | ND | NM | 7852.28 | 7817.76 |
| | 5/9/2018 | 34.51 | ND | ND | NM | 7852.28 | 7817.77 |
| | 6/11/2018 | 34.55 | ND | ND | NM | 7852.28 | 7817.73 |
| | 7/19/2018 | 35.75 | ND | ND | NM | 7852.28 | 7816.53 |
| | 8/15/2018 | 34.72 | ND | ND | NM | 7852.28 | 7817.56 |
| | 9/11/2018 | 34.75 | ND | ND | NM | 7852.28 | 7817.53 |
| | 10/2/2018 | 34.89 | ND | ND | NM | 7852.28 | 7817.39 |
| | 11/7/2018 | 34.78 | ND | ND | NM | 7852.28 | 7817.50 |
| | 12/5/2018 | 34.72 | ND | ND | NM | 7852.28 | 7817.56 |
| | 1/3/2019 | 34.82 | ND | ND | NM | 7852.28 | 7817.46 |
| | 2/4/2019 | 36.29 | ND | ND | NM | 7852.28 | 7815.99 |
| | 3/4/2019 | 35.24 | ND | ND | NM | 7852.28 | 7817.04 |
| | 4/1/2019 | 35.77 | ND | ND | NM | 7852.28 | 7816.51 |
| | 5/1/2019 | 34.60 | ND | ND | NM | 7852.28 | 7817.68 |
| | 6/3/2019 | 34.61 | ND | ND | NM | 7852.28 | 7817.67 |
| | 7/2/2019 | 34.70 | ND | ND | NM | 7852.28 | 7817.58 |
| | 8/7/2019 | 34.86 | ND | ND | NM | 7852.28 | 7817.42 |
| | 9/17/2019 | 34.83 | ND | ND | NM | 7852.28 | 7817.45 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-05 | 10/17/2017 | 9.35 | 9.11 | 0.24 | 17.65 | 7818.14 | 7808.79 |
| | 10/25/2017 | 9.35 | 9.10 | 0.25 | 17.65 | 7818.14 | 7808.79 |
| | 12/12/2017 | 9.61 | 9.24 | 0.37 | 17.95 | 7818.14 | 7808.53 |
| | 1/17/2018 | 9.70 | 9.40 | 0.30 | NM | 7818.14 | 7808.44 |
| | 2/20/2018 | 9.75 | 9.48 | 0.27 | NM | 7818.14 | 7808.39 |
| | 3/19/2018 | 8.12 | 8.10 | 0.02 | NM | 7818.14 | 7810.02 |
| | 4/16/2018 | 8.02 | 7.98 | 0.04 | NM | 7818.14 | 7810.12 |
| | 5/9/2018 | 8.82 | 8.77 | 0.05 | NM | 7818.14 | 7809.32 |
| | 6/11/2018 | 9.43 | 9.32 | 0.11 | NM | 7818.14 | 7808.71 |
| | 7/19/2018 | 9.96 | 9.87 | 0.09 | NM | 7818.14 | 7808.18 |
| | 8/15/2018 | 10.23 | 10.13 | 0.10 | NM | 7818.14 | 7807.91 |
| | 9/11/2018 | 10.35 | 10.25 | 0.10 | NM | 7818.14 | 7807.79 |
| | 10/2/2018 | 10.52 | 10.37 | 0.15 | NM | 7818.14 | 7807.62 |
| | 11/7/2018 | 10.63 | 10.47 | 0.16 | NM | 7818.14 | 7807.51 |
| | 12/5/2018 | 10.71 | 10.61 | 0.10 | NM | 7818.14 | 7807.43 |
| | 1/3/2019 | 10.86 | 10.72 | 0.14 | NM | 7818.14 | 7807.28 |
| | 2/4/2019 | 10.94 | 10.80 | 0.14 | 17.90 | 7818.14 | 7807.20 |
| | 3/4/2019 | 11.11 | 10.95 | 0.16 | NM | 7818.14 | 7807.03 |
| | 4/1/2019 | 8.10 | ND | ND | NM | 7818.14 | 7810.04 |
| | 5/1/2019 | 6.89 | ND | ND | NM | 7818.14 | 7811.25 |
| | 6/3/2019 | 8.05 | ND | ND | NM | 7818.14 | 7810.09 |
| | 7/2/2019 | 8.10 | ND | ND | NM | 7818.14 | 7810.04 |
| | 8/7/2019 | 8.02 | ND | ND | NM | 7818.14 | 7810.12 |
| | 9/17/2019 | 9.60 | ND | ND | NM | 7818.14 | 7808.54 |
| MW-06 | 10/18/2017 | 5.00 | ND | ND | 27.65 | 7811.80 | 7806.80 |
| | 10/25/2017 | 21.73 | ND | ND | 27.65 | 7811.80 | 7790.07 |
| | 10/31/2017 | 22.02 | 21.63 | 0.39 | 27.15 | 7811.80 | 7789.78 |
| | 12/12/2017 | 22.60 | 21.33 | 1.27 | 27.10 | 7811.80 | 7789.20 |
| | 1/17/2018 | 22.79 | 21.25 | 1.54 | NM | 7811.80 | 7789.01 |
| | 2/20/2018 | 22.85 | 21.19 | 1.66 | NM | 7811.80 | 7788.95 |
| | 3/19/2018 | 21.87 | 21.12 | 0.75 | NM | 7811.80 | 7789.93 |
| | 4/16/2018 | 21.68 | 20.95 | 0.73 | NM | 7811.80 | 7790.12 |
| | 5/9/2018 | 21.85 | 21.17 | 0.68 | NM | 7811.80 | 7789.95 |
| | 6/11/2018 | 21.82 | 21.28 | 0.54 | NM | 7811.80 | 7789.98 |
| | 7/19/2018 | 21.80 | 21.35 | 0.45 | NM | 7811.80 | 7790.00 |
| | 8/15/2018 | 22.08 | 21.13 | 0.95 | NM | 7811.80 | 7789.72 |
| | 9/11/2018 | 22.12 | 21.35 | 0.77 | NM | 7811.80 | 7789.68 |
| | 10/2/2018 | 21.20 | 20.38 | 0.82 | NM | 7811.80 | 7790.60 |
| | 11/7/2018 | 22.18 | 21.41 | 0.77 | NM | 7811.80 | 7789.62 |
| | 12/5/2018 | 22.20 | 21.50 | 0.70 | NM | 7811.80 | 7789.60 |
| | 1/3/2019 | 22.10 | 21.55 | 0.55 | NM | 7811.80 | 7789.70 |
| | 2/4/2019 | 22.15 | 21.61 | 0.54 | 27.09 | 7811.80 | 7789.65 |
| | 3/4/2019 | 22.20 | 21.60 | 0.60 | NM | 7811.80 | 7789.60 |
| | 4/1/2019 | 21.05 | ND | ND | NM | 7811.80 | 7790.75 |
| | 5/1/2019 | 20.77 | 20.08 | 0.69 | NM | 7811.80 | 7791.03 |
| | 6/3/2019 | 21.10 | 20.40 | 0.70 | NM | 7811.80 | 7790.70 |
| | 7/2/2019 | 21.17 | 20.64 | 0.53 | NM | 7811.80 | 7790.63 |
| | 8/7/2019 | 21.40 | 20.91 | 0.49 | NM | 7811.80 | 7790.40 |
| | 9/17/2019 | 21.61 | 21.17 | 0.44 | NM | 7811.80 | 7790.19 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-07 | 10/18/2017 | 25.31 | ND | ND | 41.70 | 7868.82 | 7843.51 |
| | 10/25/2017 | 25.30 | ND | ND | 41.70 | 7868.82 | 7843.52 |
| | 12/13/2017 | 25.37 | ND | ND | 41.55 | 7868.82 | 7843.45 |
| | 1/18/2018 | 25.42 | ND | ND | NM | 7868.82 | 7843.40 |
| | 2/20/2018 | 25.55 | ND | ND | NM | 7868.82 | 7843.27 |
| | 3/19/2018 | 25.08 | ND | ND | NM | 7868.82 | 7843.74 |
| | 4/16/2018 | 23.98 | ND | ND | NM | 7868.82 | 7844.84 |
| | 5/9/2018 | 25.01 | ND | ND | NM | 7868.82 | 7843.81 |
| | 6/11/2018 | 25.41 | ND | ND | NM | 7868.82 | 7843.41 |
| | 7/19/2018 | 25.66 | ND | ND | NM | 7868.82 | 7843.16 |
| | 8/15/2018 | 25.86 | ND | ND | NM | 7868.82 | 7842.96 |
| | 9/11/2018 | 25.94 | ND | ND | NM | 7868.82 | 7842.88 |
| | 10/2/2018 | 25.92 | ND | ND | NM | 7868.82 | 7842.90 |
| | 11/7/2018 | 26.08 | ND | ND | NM | 7868.82 | 7842.74 |
| | 12/5/2018 | 26.06 | ND | ND | NM | 7868.82 | 7842.76 |
| | 1/3/2019 | 26.10 | ND | ND | NM | 7868.82 | 7842.72 |
| | 2/4/2019 | 26.19 | ND | ND | NM | 7868.82 | 7842.63 |
| | 3/4/2019 | 26.25 | ND | ND | NM | 7868.82 | 7842.57 |
| | 4/1/2019 | 25.39 | ND | ND | NM | 7868.82 | 7843.43 |
| | 5/1/2019 | 22.41 | ND | ND | NM | 7868.82 | 7846.41 |
| | 6/3/2019 | 23.32 | ND | ND | NM | 7868.82 | 7845.50 |
| | 7/2/2019 | 23.64 | ND | ND | NM | 7868.82 | 7845.18 |
| | 8/7/2019 | 24.42 | ND | ND | NM | 7868.82 | 7844.40 |
| | 9/17/2019 | 24.73 | ND | ND | NM | 7868.82 | 7844.09 |
| MW-08 | 10/18/2017 | 41.28 | ND | ND | 52.15 | 7880.72 | 7839.44 |
| | 10/25/2017 | 41.38 | ND | ND | 52.15 | 7880.72 | 7839.34 |
| | 12/13/2017 | 41.74 | 41.44 | 0.30 | 50.90 | 7880.72 | 7838.98 |
| | 1/18/2018 | 41.57 | 41.35 | 0.22 | NM | 7880.72 | 7839.15 |
| | 2/20/2018 | 41.70 | 41.49 | 0.21 | NM | 7880.72 | 7839.02 |
| | 3/19/2018 | 41.08 | 40.92 | 0.16 | NM | 7880.72 | 7839.64 |
| | 4/16/2018 | 40.04 | 39.94 | 0.10 | NM | 7880.72 | 7840.68 |
| | 5/9/2018 | 41.21 | 41.06 | 0.15 | NM | 7880.72 | 7839.51 |
| | 6/11/2018 | 41.71 | 41.50 | 0.21 | NM | 7880.72 | 7839.01 |
| | 7/19/2018 | 41.98 | 41.68 | 0.30 | NM | 7880.72 | 7838.74 |
| | 8/15/2018 | 41.23 | 40.81 | 0.42 | NM | 7880.72 | 7839.49 |
| | 9/11/2018 | 42.16 | 41.82 | 0.34 | NM | 7880.72 | 7838.56 |
| | 10/2/2018 | 42.20 | 41.92 | 0.28 | NM | 7880.72 | 7838.52 |
| | 11/7/2018 | 42.31 | 42.00 | 0.31 | NM | 7880.72 | 7838.41 |
| | 12/5/2018 | 42.38 | 42.06 | 0.32 | NM | 7880.72 | 7838.34 |
| | 1/3/2019 | 42.25 | 42.08 | 0.17 | NM | 7880.72 | 7838.47 |
| | 2/4/2019 | 42.36 | 42.13 | 0.23 | NM | 7880.72 | 7838.36 |
| | 3/4/2019 | 42.16 | 42.11 | 0.05 | NM | 7880.72 | 7838.56 |
| | 4/1/2019 | 41.16 | 41.08 | 0.08 | NM | 7880.72 | 7839.56 |
| | 5/1/2019 | 37.76 | 37.60 | 0.16 | NM | 7880.72 | 7842.96 |
| | 6/3/2019 | 39.39 | ND | ND | NM | 7880.72 | 7841.33 |
| | 7/2/2019 | 39.63 | 39.61 | 0.02 | NM | 7880.72 | 7841.09 |
| | 8/7/2019 | 40.40 | 40.35 | 0.05 | NM | 7880.72 | 7840.32 |
| | 9/17/2019 | 40.67 | 40.62 | 0.05 | NM | 7880.72 | 7840.05 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-09 | 10/24/2017 | 11.82 | ND | ND | 21.72 | 7926.23 | 7914.41 |
| | 10/25/2017 | 11.82 | ND | ND | 21.72 | 7926.23 | 7914.41 |
| | 12/14/2017 | 11.99 | ND | ND | 21.69 | 7926.23 | 7914.24 |
| | 1/18/2018 | 12.14 | ND | ND | NM | 7926.23 | 7914.09 |
| | 2/20/2018 | 12.65 | 12.28 | 0.37 | NM | 7926.23 | 7913.58 |
| | 3/19/2018 | 12.70 | 12.35 | 0.35 | NM | 7926.23 | 7913.53 |
| | 4/16/2018 | 12.04 | 11.73 | 0.31 | NM | 7926.23 | 7914.19 |
| | 5/9/2018 | 12.62 | 12.32 | 0.30 | NM | 7926.23 | 7913.61 |
| | 6/11/2018 | 12.95 | 12.62 | 0.33 | NM | 7926.23 | 7913.28 |
| | 7/19/2018 | 13.12 | 12.92 | 0.20 | NM | 7926.23 | 7913.11 |
| | 8/15/2018 | 13.32 | 13.08 | 0.24 | NM | 7926.23 | 7912.91 |
| | 9/11/2018 | 13.46 | 13.20 | 0.26 | NM | 7926.23 | 7912.77 |
| | 10/2/2018 | 13.48 | 13.33 | 0.15 | NM | 7926.23 | 7912.75 |
| | 11/7/2018 | 13.52 | 13.38 | 0.14 | NM | 7926.23 | 7912.71 |
| | 12/5/2018 | 13.55 | 13.40 | 0.15 | NM | 7926.23 | 7912.68 |
| | 1/3/2019 | 13.58 | 13.47 | 0.11 | NM | 7926.23 | 7912.65 |
| | 2/4/2019 | 13.74 | 13.60 | 0.14 | NM | 7926.23 | 7912.49 |
| | 3/4/2019 | 13.85 | 13.69 | 0.16 | NM | 7926.23 | 7912.38 |
| | 4/1/2019 | 13.22 | 13.18 | 0.04 | NM | 7926.23 | 7913.01 |
| | 5/1/2019 | 11.11 | ND | ND | NM | 7926.23 | 7915.12 |
| | 6/3/2019 | 11.86 | 11.85 | 0.01 | NM | 7926.23 | 7914.37 |
| | 7/2/2019 | 11.89 | ND | ND | NM | 7926.23 | 7914.34 |
| | 8/7/2019 | 12.26 | ND | ND | NM | 7926.23 | 7913.97 |
| | 9/17/2019 | 12.59 | 12.56 | 0.03 | NM | 7926.23 | 7913.64 |
| MW-10 | 10/24/2017 | 34.28 | ND | ND | 41.40 | 7930.01 | 7895.73 |
| | 10/25/2017 | 34.60 | ND | ND | 41.40 | 7930.01 | 7895.41 |
| | 12/14/2017 | 34.68 | ND | ND | 41.25 | 7930.01 | 7895.33 |
| | 1/18/2018 | 34.75 | ND | ND | NM | 7930.01 | 7895.26 |
| | 2/20/2018 | 34.85 | ND | ND | NM | 7930.01 | 7895.16 |
| | 3/19/2018 | 34.75 | ND | ND | NM | 7930.01 | 7895.26 |
| | 4/16/2018 | 34.49 | ND | ND | NM | 7930.01 | 7895.52 |
| | 5/9/2018 | 34.79 | ND | ND | NM | 7930.01 | 7895.22 |
| | 6/11/2018 | 35.09 | ND | ND | NM | 7930.01 | 7894.92 |
| | 7/19/2018 | 35.30 | ND | ND | NM | 7930.01 | 7894.71 |
| | 8/15/2018 | 35.43 | ND | ND | NM | 7930.01 | 7894.58 |
| | 9/11/2018 | 35.48 | ND | ND | NM | 7930.01 | 7894.53 |
| | 10/2/2018 | 35.51 | ND | ND | NM | 7930.01 | 7894.50 |
| | 11/7/2018 | 35.52 | ND | ND | NM | 7930.01 | 7894.49 |
| | 12/5/2018 | 35.51 | ND | ND | NM | 7930.01 | 7894.50 |
| | 1/3/2019 | 35.50 | ND | ND | NM | 7930.01 | 7894.51 |
| | 2/4/2019 | 35.56 | ND | ND | NM | 7930.01 | 7894.45 |
| | 3/4/2019 | 35.66 | ND | ND | NM | 7930.01 | 7894.35 |
| | 4/1/2019 | 35.15 | ND | ND | NM | 7930.01 | 7894.86 |

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SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-11 | 10/25/2017 | 25.90 | ND | ND | 35.60 | 7816.08 | 7790.18 |
| | 10/31/2017 | 25.91 | ND | ND | 35.60 | 7816.08 | 7790.17 |
| | 12/12/2017 | 25.70 | ND | ND | 35.49 | 7816.08 | 7790.38 |
| | 1/17/2018 | 25.65 | ND | ND | NM | 7816.08 | 7790.43 |
| | 2/20/2018 | 25.61 | 25.60 | 0.01 | NM | 7816.08 | 7790.47 |
| | 3/19/2018 | 25.30 | ND | ND | NM | 7816.08 | 7790.78 |
| | 4/16/2018 | 25.15 | ND | ND | NM | 7816.08 | 7790.93 |
| | 5/9/2018 | 21.36 | ND | ND | NM | 7816.08 | 7794.72 |
| | 6/11/2018 | 25.46 | ND | ND | NM | 7816.08 | 7790.62 |
| | 7/19/2018 | 25.55 | ND | ND | NM | 7816.08 | 7790.53 |
| | 8/15/2018 | 25.62 | ND | ND | NM | 7816.08 | 7790.46 |
| | 9/11/2018 | 25.65 | ND | ND | NM | 7816.08 | 7790.43 |
| | 10/2/2018 | 25.69 | ND | ND | NM | 7816.08 | 7790.39 |
| | 11/7/2018 | 25.72 | ND | ND | NM | 7816.08 | 7790.36 |
| | 12/5/2018 | 25.78 | ND | ND | NM | 7816.08 | 7790.30 |
| | 1/3/2019 | 25.85 | ND | ND | NM | 7816.08 | 7790.23 |
| | 2/4/2019 | 25.88 | ND | ND | 35.50 | 7816.08 | 7790.20 |
| | 3/4/2019 | 25.92 | ND | ND | NM | 7816.08 | 7790.16 |
| | 4/1/2019 | 25.23 | ND | ND | NM | 7816.08 | 7790.85 |
| | 5/1/2019 | 24.41 | ND | ND | NM | 7816.08 | 7791.67 |
| | 6/3/2019 | 24.88 | ND | ND | NM | 7816.08 | 7791.20 |
| | 7/2/2019 | 25.00 | ND | ND | NM | 7816.08 | 7791.08 |
| | 8/7/2019 | 25.20 | ND | ND | NM | 7816.08 | 7790.88 |
| | 9/17/2019 | 25.40 | ND | ND | NM | 7816.08 | 7790.68 |
| MW-12 | 10/25/2017 | 21.00 | ND | ND | 31.33 | 7811.30 | 7790.30 |
| | 10/31/2017 | 20.98 | 20.96 | 0.02 | 31.34 | 7811.30 | 7790.32 |
| | 12/12/2017 | 20.90 | ND | ND | 31.13 | 7811.30 | 7790.40 |
| | 1/17/2018 | 20.89 | ND | ND | NM | 7811.30 | 7790.41 |
| | 2/20/2018 | 20.87 | ND | ND | NM | 7811.30 | 7790.43 |
| | 3/19/2018 | 20.68 | ND | ND | NM | 7811.30 | 7790.62 |
| | 4/16/2018 | 20.50 | ND | ND | NM | 7811.30 | 7790.80 |
| | 5/9/2018 | 20.68 | ND | ND | NM | 7811.30 | 7790.62 |
| | 6/11/2018 | 20.75 | ND | ND | NM | 7811.30 | 7790.55 |
| | 7/19/2018 | 20.79 | ND | ND | NM | 7811.30 | 7790.51 |
| | 8/15/2018 | 20.76 | ND | ND | NM | 7811.30 | 7790.54 |
| | 9/11/2018 | 20.76 | ND | ND | NM | 7811.30 | 7790.54 |
| | 10/2/2018 | 20.78 | ND | ND | NM | 7811.30 | 7790.52 |
| | 11/7/2018 | 20.82 | ND | ND | NM | 7811.30 | 7790.48 |
| | 12/5/2018 | 20.84 | ND | ND | NM | 7811.30 | 7790.46 |
| | 1/3/2019 | 20.87 | ND | ND | NM | 7811.30 | 7790.43 |
| | 2/4/2019 | 20.91 | ND | ND | 31.33 | 7811.30 | 7790.39 |
| | 3/4/2019 | 20.92 | ND | ND | NM | 7811.30 | 7790.38 |
| | 4/1/2019 | 20.59 | ND | ND | NM | 7811.30 | 7790.71 |
| | 5/1/2019 | 19.79 | ND | ND | NM | 7811.30 | 7791.51 |
| | 6/3/2019 | 19.84 | ND | ND | NM | 7811.30 | 7791.46 |
| | 7/2/2019 | 20.02 | ND | ND | NM | 7811.30 | 7791.28 |
| | 8/7/2019 | 20.30 | ND | ND | NM | 7811.30 | 7791.00 |
| | 9/17/2019 | 20.53 | ND | ND | NM | 7811.30 | 7790.77 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-13 | 11/8/2017 | 41.66 | 41.65 | 0.01 | 51.42 | 7897.46 | 7855.80 |
| | 12/14/2017 | 40.01 | ND | ND | 51.41 | 7897.46 | 7857.45 |
| | 1/18/2018 | 39.45 | ND | ND | NM | 7897.46 | 7858.01 |
| | 2/20/2018 | 37.67 | ND | ND | NM | 7897.46 | 7859.79 |
| | 3/19/2018 | 37.22 | ND | ND | NM | 7897.46 | 7860.24 |
| | 4/16/2018 | 39.78 | ND | ND | NM | 7897.46 | 7857.68 |
| | 5/9/2018 | 37.98 | ND | ND | NM | 7897.46 | 7859.48 |
| | 6/11/2018 | 37.17 | ND | ND | NM | 7897.46 | 7860.29 |
| | 7/19/2018 | 39.14 | ND | ND | NM | 7897.46 | 7858.32 |
| | 8/15/2018 | 37.54 | ND | ND | NM | 7897.46 | 7859.92 |
| | 9/11/2018 | 37.09 | ND | ND | NM | 7897.46 | 7860.37 |
| | 10/2/2018 | 41.45 | ND | ND | NM | 7897.46 | 7856.01 |
| | 11/7/2018 | 37.75 | ND | ND | NM | 7897.46 | 7859.71 |
| | 12/5/2018 | 37.14 | ND | ND | NM | 7897.46 | 7860.32 |
| | 1/3/2019 | 39.88 | ND | ND | NM | 7897.46 | 7857.58 |
| | 2/4/2019 | 37.42 | ND | ND | NM | 7897.46 | 7860.04 |
| | 3/4/2019 | 36.96 | ND | ND | NM | 7897.46 | 7860.50 |
| | 4/1/2019 | 41.35 | ND | ND | NM | 7897.46 | 7856.11 |
| | 5/1/2019 | 37.11 | ND | ND | NM | 7897.46 | 7860.35 |
| | 6/3/2019 | 33.82 | ND | ND | NM | 7897.46 | 7863.64 |
| | 7/2/2019 | 37.00 | ND | ND | NM | 7897.46 | 7860.46 |
| | 8/7/2019 | 35.30 | ND | ND | NM | 7897.46 | 7862.16 |
| | 9/17/2019 | 35.73 | ND | ND | NM | 7897.46 | 7861.73 |
| MW-14 | 10/25/2017 | 7.78 | ND | ND | 17.35 | 7816.17 | 7808.39 |
| | 10/27/2017 | 7.75 | ND | ND | 17.35 | 7816.17 | 7808.42 |
| | 12/12/2017 | 7.88 | ND | ND | 17.13 | 7816.17 | 7808.29 |
| | 1/17/2018 | 8.09 | ND | ND | NM | 7816.17 | 7808.08 |
| | 2/20/2018 | 8.15 | ND | ND | NM | 7816.17 | 7808.02 |
| | 3/19/2018 | 6.82 | ND | ND | NM | 7816.17 | 7809.35 |
| | 4/16/2018 | 6.70 | ND | ND | NM | 7816.17 | 7809.47 |
| | 5/9/2018 | 7.46 | ND | ND | NM | 7816.17 | 7808.71 |
| | 6/11/2018 | 8.05 | ND | ND | NM | 7816.17 | 7808.12 |
| | 7/19/2018 | 8.56 | ND | ND | NM | 7816.17 | 7807.61 |
| | 8/15/2018 | 8.81 | ND | ND | NM | 7816.17 | 7807.36 |
| | 9/11/2018 | 8.92 | ND | ND | NM | 7816.17 | 7807.25 |
| | 10/2/2018 | 9.04 | ND | ND | NM | 7816.17 | 7807.13 |
| | 11/7/2018 | 9.15 | ND | ND | NM | 7816.17 | 7807.02 |
| | 12/5/2018 | 9.28 | ND | ND | NM | 7816.17 | 7806.89 |
| | 1/3/2019 | 9.41 | ND | ND | NM | 7816.17 | 7806.76 |
| | 2/4/2019 | 9.45 | ND | ND | NM | 7816.17 | 7806.72 |
| | 3/4/2019 | 9.66 | ND | ND | NM | 7816.17 | 7806.51 |
| | 4/1/2019 | 7.02 | ND | ND | NM | 7816.17 | 7809.15 |
| | 5/1/2019 | 6.09 | ND | ND | NM | 7816.17 | 7810.08 |
| | 6/3/2019 | 6.94 | ND | ND | NM | 7816.17 | 7809.23 |
| | 7/2/2019 | 7.00 | ND | ND | NM | 7816.17 | 7809.17 |
| | 8/7/2019 | 7.70 | ND | ND | NM | 7816.17 | 7808.47 |
| | 9/17/2019 | 8.50 | ND | ND | NM | 7816.17 | 7807.67 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-15 | 10/25/2017 | 18.85 | ND | ND | 27.67 | 7772.82 | 7753.97 |
| | 10/27/2017 | 18.85 | ND | ND | 27.67 | 7772.82 | 7753.97 |
| | 10/31/2017 | 18.91 | 18.90 | 0.01 | 27.68 | 7772.82 | 7753.91 |
| | 12/12/2017 | 19.00 | ND | ND | 27.48 | 7772.82 | 7753.82 |
| | 1/17/2018 | 19.20 | ND | ND | 27.57 | 7772.82 | 7753.62 |
| | 2/20/2018 | 19.62 | ND | ND | NM | 7772.82 | 7753.20 |
| | 3/19/2018 | 17.54 | ND | ND | NM | 7772.82 | 7755.28 |
| | 4/16/2018 | 17.19 | ND | ND | NM | 7772.82 | 7755.63 |
| | 5/9/2018 | 18.70 | ND | ND | NM | 7772.82 | 7754.12 |
| | 6/11/2018 | 19.64 | ND | ND | NM | 7772.82 | 7753.18 |
| | 7/19/2018 | 19.88 | ND | ND | NM | 7772.82 | 7752.94 |
| | 8/15/2018 | 20.06 | ND | ND | NM | 7772.82 | 7752.76 |
| | 9/11/2018 | 20.18 | ND | ND | NM | 7772.82 | 7752.64 |
| | 10/2/2018 | 20.19 | ND | ND | NM | 7772.82 | 7752.63 |
| | 11/7/2018 | 20.23 | ND | ND | NM | 7772.82 | 7752.59 |
| | 12/5/2018 | 20.28 | ND | ND | NM | 7772.82 | 7752.54 |
| | 1/3/2019 | 20.26 | ND | ND | NM | 7772.82 | 7752.56 |
| | 2/4/2019 | 20.28 | ND | ND | 27.49 | 7772.82 | 7752.54 |
| | 3/4/2019 | 20.65 | ND | ND | NM | 7772.82 | 7752.17 |
| | 4/1/2019 | 17.27 | ND | ND | NM | 7772.82 | 7755.55 |
| | 5/1/2019 | 16.25 | ND | ND | NM | 7772.82 | 7756.57 |
| | 6/3/2019 | 17.67 | ND | ND | NM | 7772.82 | 7755.15 |
| | 7/2/2019 | 17.78 | ND | ND | NM | 7772.82 | 7755.04 |
| | 8/7/2019 | 18.60 | ND | ND | NM | 7772.82 | 7754.22 |
| | 9/17/2019 | 19.50 | ND | ND | NM | 7772.82 | 7753.32 |
| MW-16 | 10/24/2017 | 23.33 | ND | ND | 36.45 | 7883.23 | 7859.90 |
| | 10/25/2017 | 28.82 | ND | ND | 36.45 | 7883.23 | 7854.41 |
| | 12/13/2017 | 28.88 | ND | ND | 36.45 | 7883.23 | 7854.35 |
| | 1/18/2018 | 28.97 | ND | ND | NM | 7883.23 | 7854.26 |
| | 2/20/2018 | 29.10 | ND | ND | NM | 7883.23 | 7854.13 |
| | 3/19/2018 | 28.95 | ND | ND | NM | 7883.23 | 7854.28 |
| | 4/16/2018 | 28.75 | ND | ND | NM | 7883.23 | 7854.48 |
| | 5/9/2018 | 28.95 | ND | ND | NM | 7883.23 | 7854.28 |
| | 6/11/2018 | 29.19 | 29.18 | 0.01 | NM | 7883.23 | 7854.04 |
| | 7/19/2018 | 29.35 | ND | ND | NM | 7883.23 | 7853.88 |
| | 8/15/2018 | 29.45 | ND | ND | NM | 7883.23 | 7853.78 |
| | 9/11/2018 | 29.45 | ND | ND | NM | 7883.23 | 7853.78 |
| | 10/2/2018 | 29.52 | ND | ND | NM | 7883.23 | 7853.71 |
| | 11/7/2018 | 29.52 | ND | ND | NM | 7883.23 | 7853.71 |
| | 12/5/2018 | 29.49 | ND | ND | NM | 7883.23 | 7853.74 |
| | 1/3/2019 | 29.44 | ND | ND | NM | 7883.23 | 7853.79 |
| | 2/4/2019 | 29.40 | ND | ND | NM | 7883.23 | 7853.83 |
| | 3/4/2019 | 29.45 | ND | ND | NM | 7883.23 | 7853.78 |
| | 4/1/2019 | 29.10 | ND | ND | NM | 7883.23 | 7854.13 |
| | 5/1/2019 | 28.03 | ND | ND | NM | 7883.23 | 7855.20 |
| | 6/3/2019 | 28.28 | ND | ND | NM | 7883.23 | 7854.95 |
| | 7/2/2019 | 28.28 | ND | ND | NM | 7883.23 | 7854.95 |
| | 8/7/2019 | 28.45 | ND | ND | NM | 7883.23 | 7854.78 |
| | 9/17/2019 | 28.41 | ND | ND | NM | 7883.23 | 7854.82 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-17 | 10/25/2017 | 31.50 | ND | ND | 42.32 | 7872.98 | 7841.48 |
| | 12/13/2017 | 30.87 | ND | ND | 41.35 | 7872.98 | 7842.11 |
| | 1/18/2018 | 31.75 | ND | ND | NM | 7872.98 | 7841.23 |
| | 2/20/2018 | 30.28 | ND | ND | NM | 7872.98 | 7842.70 |
| | 3/19/2018 | 31.50 | ND | ND | NM | 7872.98 | 7841.48 |
| | 4/16/2018 | 29.01 | ND | ND | NM | 7872.98 | 7843.97 |
| | 5/9/2018 | 29.96 | ND | ND | NM | 7872.98 | 7843.02 |
| | 6/11/2018 | 29.70 | ND | ND | NM | 7872.98 | 7843.28 |
| | 7/19/2018 | 30.61 | ND | ND | NM | 7872.98 | 7842.37 |
| | 8/15/2018 | 31.82 | ND | ND | NM | 7872.98 | 7841.16 |
| | 9/11/2018 | 31.81 | ND | ND | NM | 7872.98 | 7841.17 |
| | 10/2/2018 | 31.84 | ND | ND | NM | 7872.98 | 7841.14 |
| | 11/7/2018 | 31.95 | ND | ND | NM | 7872.98 | 7841.03 |
| | 12/5/2018 | 31.50 | ND | ND | NM | 7872.98 | 7841.48 |
| | 1/3/2019 | 32.45 | ND | ND | NM | 7872.98 | 7840.53 |
| | 2/4/2019 | 32.19 | ND | ND | NM | 7872.98 | 7840.79 |
| | 3/4/2019 | 32.52 | ND | ND | NM | 7872.98 | 7840.46 |
| | 4/1/2019 | 31.55 | ND | ND | NM | 7872.98 | 7841.43 |
| | 5/1/2019 | 28.51 | ND | ND | NM | 7872.98 | 7844.47 |
| | 6/3/2019 | 28.57 | ND | ND | NM | 7872.98 | 7844.41 |
| | 7/2/2019 | 30.62 | ND | ND | NM | 7872.98 | 7842.36 |
| | 8/7/2019 | 28.71 | ND | ND | NM | 7872.98 | 7844.27 |
| | 9/17/2019 | 31.52 | ND | ND | NM | 7872.98 | 7841.46 |
| MW-18 | 10/27/2017 | 41.82 | ND | ND | 52.32 | 7861.04 | 7819.22 |
| | 12/13/2017 | 31.36 | ND | ND | 52.31 | 7861.04 | 7829.68 |
| | 1/17/2018 | 31.74 | ND | ND | NM | 7861.04 | 7829.30 |
| | 2/20/2018 | 31.92 | ND | ND | NM | 7861.04 | 7829.12 |
| | 3/19/2018 | 31.36 | ND | ND | NM | 7861.04 | 7829.68 |
| | 4/16/2018 | 24.80 | ND | ND | NM | 7861.04 | 7836.24 |
| | 5/9/2018 | 30.25 | ND | ND | NM | 7861.04 | 7830.79 |
| | 6/11/2018 | 31.75 | ND | ND | NM | 7861.04 | 7829.29 |
| | 7/19/2018 | 32.30 | ND | ND | NM | 7861.04 | 7828.74 |
| | 8/15/2018 | 32.36 | ND | ND | NM | 7861.04 | 7828.68 |
| | 9/11/2018 | 32.44 | ND | ND | NM | 7861.04 | 7828.60 |
| | 10/2/2018 | 32.49 | ND | ND | NM | 7861.04 | 7828.55 |
| | 11/7/2018 | 32.56 | ND | ND | NM | 7861.04 | 7828.48 |
| | 12/5/2018 | 32.70 | ND | ND | NM | 7861.04 | 7828.34 |
| | 1/3/2019 | 32.86 | ND | ND | NM | 7861.04 | 7828.18 |
| | 2/4/2019 | 32.66 | ND | ND | NM | 7861.04 | 7828.38 |
| | 3/4/2019 | 32.69 | ND | ND | NM | 7861.04 | 7828.35 |
| | 4/1/2019 | 32.14 | ND | ND | NM | 7861.04 | 7828.90 |
| | 5/1/2019 | 21.31 | ND | ND | NM | 7861.04 | 7839.73 |
| | 6/3/2019 | 24.04 | ND | ND | NM | 7861.04 | 7837.00 |
| | 7/2/2019 | 26.92 | ND | ND | NM | 7861.04 | 7834.12 |
| | 8/7/2019 | 29.97 | ND | ND | NM | 7861.04 | 7831.07 |
| | 9/17/2019 | 31.26 | ND | ND | NM | 7861.04 | 7829.78 |

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SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-19 | 10/27/2017 | 49.71 | ND | ND | 67.40 | 7890.95 | 7841.24 |
| | 12/13/2017 | 49.99 | ND | ND | 67.15 | 7890.95 | 7840.96 |
| | 1/18/2018 | 49.91 | ND | ND | NM | 7890.95 | 7841.04 |
| | 2/20/2018 | 50.02 | ND | ND | NM | 7890.95 | 7840.93 |
| | 3/19/2018 | 49.50 | ND | ND | NM | 7890.95 | 7841.45 |
| | 4/16/2018 | 48.89 | ND | ND | NM | 7890.95 | 7842.06 |
| | 5/9/2018 | 49.76 | ND | ND | NM | 7890.95 | 7841.19 |
| | 6/11/2018 | 50.10 | ND | ND | NM | 7890.95 | 7840.85 |
| | 7/19/2018 | 50.31 | ND | ND | NM | 7890.95 | 7840.64 |
| | 8/15/2018 | 49.42 | ND | ND | NM | 7890.95 | 7841.53 |
| | 9/11/2018 | 50.46 | ND | ND | NM | 7890.95 | 7840.49 |
| | 10/2/2018 | 50.60 | ND | ND | NM | 7890.95 | 7840.35 |
| | 11/7/2018 | 50.72 | ND | ND | NM | 7890.95 | 7840.23 |
| | 12/5/2018 | 50.82 | ND | ND | NM | 7890.95 | 7840.13 |
| | 1/3/2019 | 50.82 | ND | ND | NM | 7890.95 | 7840.13 |
| | 2/4/2019 | 50.88 | ND | ND | NM | 7890.95 | 7840.07 |
| | 3/4/2019 | 50.84 | ND | ND | NM | 7890.95 | 7840.11 |
| | 4/1/2019 | 49.51 | ND | ND | NM | 7890.95 | 7841.44 |
| | 5/1/2019 | 47.16 | ND | ND | NM | 7890.95 | 7843.79 |
| MW-20 | 6/3/2019 | 48.40 | ND | ND | NM | 7890.95 | 7842.55 |
| | 7/2/2019 | 48.61 | ND | ND | NM | 7890.95 | 7842.34 |
| | 8/7/2019 | 49.22 | ND | ND | NM | 7890.95 | 7841.73 |
| | 9/17/2019 | 49.39 | ND | ND | NM | 7890.95 | 7841.56 |
| | 10/31/2017 | 34.33 | 34.32 | 0.01 | 42.60 | 7876.41 | 7842.08 |
| | 12/13/2017 | 34.32 | ND | ND | 42.40 | 7876.41 | 7842.09 |
| | 1/18/2018 | 34.31 | ND | ND | NM | 7876.41 | 7842.10 |
| | 2/20/2018 | 34.31 | ND | ND | NM | 7876.41 | 7842.10 |
| | 3/19/2018 | 34.14 | ND | ND | NM | 7876.41 | 7842.27 |
| | 4/16/2018 | 34.13 | ND | ND | NM | 7876.41 | 7842.28 |
| | 5/9/2018 | 34.20 | ND | ND | NM | 7876.41 | 7842.21 |
| | 6/11/2018 | 34.24 | ND | ND | NM | 7876.41 | 7842.17 |
| | 7/19/2018 | 34.28 | ND | ND | NM | 7876.41 | 7842.13 |
| | 8/15/2018 | 34.33 | ND | ND | NM | 7876.41 | 7842.08 |
| | 9/11/2018 | 34.35 | ND | ND | NM | 7876.41 | 7842.06 |
| | 10/2/2018 | 34.40 | ND | ND | NM | 7876.41 | 7842.01 |
| | 11/7/2018 | 34.43 | ND | ND | NM | 7876.41 | 7841.98 |
| | 12/5/2018 | 34.38 | ND | ND | NM | 7876.41 | 7842.03 |
| | 1/3/2019 | 34.35 | ND | ND | NM | 7876.41 | 7842.06 |
| | 2/4/2019 | 34.45 | ND | ND | NM | 7876.41 | 7841.96 |
| | 3/4/2019 | 34.41 | ND | ND | NM | 7876.41 | 7842.00 |
| | 4/1/2019 | 34.15 | ND | ND | NM | 7876.41 | 7842.26 |
| | 5/1/2019 | 33.20 | ND | ND | NM | 7876.41 | 7843.21 |
| | 6/3/2019 | 33.92 | ND | ND | NM | 7876.41 | 7842.49 |
| | 7/2/2019 | 33.91 | ND | ND | NM | 7876.41 | 7842.50 |
| | 8/7/2019 | 33.95 | ND | ND | NM | 7876.41 | 7842.46 |
| | 9/17/2019 | 33.95 | ND | ND | NM | 7876.41 | 7842.46 |

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**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-21 | 10/31/2017 | 24.30 | ND | ND | 27.96 | 7919.63 | 7895.33 |
| | 12/14/2017 | 24.40 | ND | ND | 27.95 | 7919.63 | 7895.23 |
| | 1/18/2018 | 24.46 | ND | ND | NM | 7919.63 | 7895.17 |
| | 2/20/2018 | 24.57 | ND | ND | NM | 7919.63 | 7895.06 |
| | 3/19/2018 | 24.49 | ND | ND | NM | 7919.63 | 7895.14 |
| | 4/16/2018 | 24.15 | ND | ND | NM | 7919.63 | 7895.48 |
| | 5/9/2018 | 24.50 | ND | ND | NM | 7919.63 | 7895.13 |
| | 6/11/2018 | 24.85 | ND | ND | NM | 7919.63 | 7894.78 |
| | 7/19/2018 | 25.01 | ND | ND | NM | 7919.63 | 7894.62 |
| | 8/15/2018 | 25.13 | ND | ND | NM | 7919.63 | 7894.50 |
| | 9/11/2018 | 25.22 | ND | ND | NM | 7919.63 | 7894.41 |
| | 10/2/2018 | 25.25 | ND | ND | NM | 7919.63 | 7894.38 |
| | 11/7/2018 | 25.26 | ND | ND | NM | 7919.63 | 7894.37 |
| | 12/5/2018 | 25.25 | ND | ND | NM | 7919.63 | 7894.38 |
| | 1/3/2019 | 25.26 | ND | ND | NM | 7919.63 | 7894.37 |
| | 2/4/2019 | 25.31 | ND | ND | NM | 7919.63 | 7894.32 |
| | 3/4/2019 | 25.36 | ND | ND | NM | 7919.63 | 7894.27 |
| | 4/1/2019 | 24.91 | ND | ND | NM | 7919.63 | 7894.72 |
| | 5/1/2019 | 23.93 | ND | ND | NM | 7919.63 | 7895.70 |
| | 6/3/2019 | 24.06 | ND | ND | NM | 7919.63 | 7895.57 |
| | 7/2/2019 | 24.04 | ND | ND | NM | 7919.63 | 7895.59 |
| | 8/7/2019 | 24.32 | ND | ND | NM | 7919.63 | 7895.31 |
| | 9/17/2019 | 24.55 | ND | ND | NM | 7919.63 | 7895.08 |
| MW-22 | 11/1/2017 | 29.35 | ND | ND | 37.20 | 7862.43 | 7833.08 |
| | 12/13/2017 | 29.78 | ND | ND | 36.57 | 7862.43 | 7832.65 |
| | 1/17/2018 | 29.81 | ND | ND | NM | 7862.43 | 7832.62 |
| | 2/20/2018 | 29.82 | ND | ND | NM | 7862.43 | 7832.61 |
| | 3/19/2018 | 28.91 | ND | ND | NM | 7862.43 | 7833.52 |
| | 4/16/2018 | 28.03 | ND | ND | NM | 7862.43 | 7834.40 |
| | 5/9/2018 | 29.17 | ND | ND | NM | 7862.43 | 7833.26 |
| | 6/11/2018 | 29.86 | ND | ND | NM | 7862.43 | 7832.57 |
| | 7/19/2018 | 30.09 | ND | ND | NM | 7862.43 | 7832.34 |
| | 8/15/2018 | 30.20 | 30.10 | 0.10 | NM | 7862.43 | 7832.23 |
| | 9/11/2018 | 30.60 | 30.06 | 0.54 | NM | 7862.43 | 7831.83 |
| | 10/2/2018 | 30.21 | ND | ND | NM | 7862.43 | 7832.22 |
| | 11/7/2018 | 30.58 | 30.21 | 0.37 | NM | 7862.43 | 7790.44 |
| | 12/5/2018 | 30.72 | 30.30 | 0.42 | NM | 7862.43 | 7790.30 |
| | 1/3/2019 | 30.42 | 30.38 | 0.04 | NM | 7862.43 | 7790.60 |
| | 2/4/2019 | 30.46 | 30.42 | 0.04 | NM | 7862.43 | 7790.56 |
| | 3/4/2019 | 30.28 | 30.23 | 0.05 | NM | 7862.43 | 7790.74 |
| | 4/1/2019 | 29.18 | 29.13 | 0.05 | NM | 7862.43 | 7791.84 |
| | 5/1/2019 | 25.80 | ND | ND | NM | 7862.43 | 7795.22 |
| | 6/3/2019 | 26.86 | 26.85 | 0.01 | NM | 7862.43 | 7794.16 |
| | 7/2/2019 | 26.96 | ND | ND | NM | 7862.43 | 7794.06 |
| | 8/7/2019 | 27.40 | ND | ND | NM | 7862.43 | 7793.62 |
| | 9/17/2019 | 27.13 | ND | ND | NM | 7862.43 | 7793.89 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-23 | 11/1/2017 | 16.39 | 16.38 | 0.01 | 22.35 | 7821.02 | 7804.63 |
| | 12/12/2017 | 16.54 | 16.34 | 0.20 | 22.00 | 7821.02 | 7804.48 |
| | 1/17/2017 | 16.71 | 16.47 | 0.24 | NM | 7821.02 | 7804.31 |
| | 2/20/2018 | 16.80 | 16.55 | 0.25 | NM | 7821.02 | 7804.22 |
| | 3/19/2018 | 15.73 | 15.67 | 0.06 | NM | 7821.02 | 7805.29 |
| | 4/16/2018 | 15.53 | 15.40 | 0.13 | NM | 7821.02 | 7805.49 |
| | 5/9/2018 | 16.20 | 16.09 | 0.11 | NM | 7821.02 | 7804.82 |
| | 6/11/2018 | 16.62 | 16.57 | 0.05 | NM | 7821.02 | 7804.40 |
| | 7/19/2018 | 17.14 | 16.95 | 0.19 | NM | 7821.02 | 7803.88 |
| | 8/15/2018 | 17.37 | 17.13 | 0.24 | NM | 7821.02 | 7803.65 |
| | 9/11/2018 | 17.38 | 17.15 | 0.23 | NM | 7821.02 | 7803.64 |
| | 10/2/2018 | 17.32 | 17.17 | 0.15 | NM | 7821.02 | 7803.70 |
| | 11/7/2018 | 17.45 | 17.28 | 0.17 | NM | 7821.02 | 7803.57 |
| | 12/5/2018 | 17.62 | 17.45 | 0.17 | NM | 7821.02 | 7803.40 |
| | 1/3/2019 | 17.82 | 17.68 | 0.14 | NM | 7821.02 | 7803.20 |
| | 2/4/2019 | 18.15 | 17.90 | 0.25 | NM | 7821.02 | 7802.87 |
| | 3/4/2019 | 18.56 | 18.31 | 0.25 | NM | 7821.02 | 7802.46 |
| | 4/1/2019 | 16.01 | ND | ND | NM | 7821.02 | 7805.01 |
| | 5/1/2019 | 14.76 | ND | ND | NM | 7821.02 | 7806.26 |
| | 6/3/2019 | 15.63 | ND | ND | NM | 7821.02 | 7805.39 |
| | 7/2/2019 | 15.78 | ND | ND | NM | 7821.02 | 7805.24 |
| | 8/7/2019 | 16.41 | ND | ND | NM | 7821.02 | 7804.61 |
| | 9/17/2019 | 17.06 | ND | ND | NM | 7821.02 | 7803.96 |
| MW-24 | 11/1/2017 | 31.67 | 31.66 | 0.01 | 44.35 | 7839.09 | 7807.42 |
| | 12/13/2017 | 31.68 | ND | ND | 44.28 | 7839.09 | 7807.41 |
| | 1/17/2018 | 31.72 | ND | ND | NM | 7839.09 | 7807.37 |
| | 2/20/2018 | 31.78 | ND | ND | NM | 7839.09 | 7807.31 |
| | 3/19/2018 | 31.27 | ND | ND | NM | 7839.09 | 7807.82 |
| | 4/16/2018 | 31.26 | ND | ND | NM | 7839.09 | 7807.83 |
| | 5/9/2018 | 31.70 | ND | ND | NM | 7839.09 | 7807.39 |
| | 6/11/2018 | 31.86 | ND | ND | NM | 7839.09 | 7807.23 |
| | 7/19/2018 | 32.05 | ND | ND | NM | 7839.09 | 7807.04 |
| | 8/15/2018 | 32.16 | ND | ND | NM | 7839.09 | 7806.93 |
| | 9/11/2018 | 32.20 | ND | ND | NM | 7839.09 | 7806.89 |
| | 10/2/2018 | 32.20 | ND | ND | NM | 7839.09 | 7806.89 |
| | 11/7/2018 | 32.22 | ND | ND | NM | 7839.09 | 7806.87 |
| | 12/5/2018 | 32.25 | ND | ND | NM | 7839.09 | 7806.84 |
| | 1/3/2019 | 32.35 | ND | ND | NM | 7839.09 | 7806.74 |
| | 2/4/2019 | 32.42 | ND | ND | NM | 7839.09 | 7806.67 |
| | 3/4/2019 | 32.50 | ND | ND | NM | 7839.09 | 7806.59 |
| | 4/1/2019 | 31.91 | ND | ND | NM | 7839.09 | 7807.18 |
| | 5/1/2019 | 30.31 | ND | ND | NM | 7839.09 | 7808.78 |
| | 6/3/2019 | 31.34 | ND | ND | NM | 7839.09 | 7807.75 |
| | 7/2/2019 | 31.56 | ND | ND | NM | 7839.09 | 7807.53 |
| | 8/7/2019 | 31.80 | ND | ND | NM | 7839.09 | 7807.29 |
| | 9/17/2019 | 32.08 | ND | ND | NM | 7839.09 | 7807.01 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-25 | 11/2/2017 | 24.74 | 24.61 | 0.13 | 27.50 | 7959.68 | 7934.94 |
| | 12/14/2017 | 25.19 | 24.65 | 0.54 | 27.55 | 7959.68 | 7934.49 |
| | 1/18/2018 | 25.52 | 24.62 | 0.90 | NM | 7959.68 | 7934.16 |
| | 2/20/2018 | 25.89 | 24.65 | 1.24 | NM | 7959.68 | 7933.79 |
| | 3/19/2018 | 25.97 | 24.67 | 1.30 | NM | 7959.68 | 7933.71 |
| | 4/26/2018 | 24.55 | 24.15 | 0.40 | NM | 7959.68 | 7935.13 |
| | 5/9/2018 | 24.77 | 24.36 | 0.41 | NM | 7959.68 | 7934.91 |
| | 6/11/2018 | 24.88 | 24.46 | 0.42 | NM | 7959.68 | 7934.80 |
| | 7/19/2018 | 24.82 | 24.50 | 0.32 | NM | 7959.68 | 7934.86 |
| | 8/15/2018 | 24.82 | 24.52 | 0.30 | NM | 7959.68 | 7934.86 |
| | 9/11/2018 | 24.76 | 24.50 | 0.26 | NM | 7959.68 | 7934.92 |
| | 10/2/2018 | 24.72 | 24.50 | 0.22 | NM | 7959.68 | 7934.96 |
| | 11/7/2018 | 24.75 | 24.51 | 0.24 | NM | 7959.68 | 7934.93 |
| | 12/5/2018 | 24.75 | 24.52 | 0.23 | NM | 7959.68 | 7934.93 |
| | 1/3/2019 | 24.73 | 24.54 | 0.19 | NM | 7959.68 | 7934.95 |
| | 2/4/2019 | 24.86 | 24.56 | 0.30 | NM | 7959.68 | 7934.82 |
| | 3/4/2019 | 24.81 | 24.59 | 0.22 | NM | 7959.68 | 7934.87 |
| | 4/1/2019 | 24.73 | 24.55 | 0.18 | NM | 7959.68 | 7934.95 |
| | 5/1/2019 | 24.24 | 24.05 | 0.19 | NM | 7959.68 | 7935.44 |
| | 6/3/2019 | 24.40 | 24.18 | 0.22 | NM | 7959.68 | 7935.28 |
| | 7/2/2019 | 24.55 | 24.38 | 0.17 | NM | 7959.68 | 7935.13 |
| | 8/7/2019 | 24.50 | 24.35 | 0.15 | NM | 7959.68 | 7935.18 |
| | 9/17/2019 | 24.50 | 24.33 | 0.17 | NM | 7959.68 | 7935.18 |
| MW-26 | 11/1/2017 | 18.86 | ND | ND | 21.98 | 7754.46 | 7735.60 |
| | 12/12/2017 | 19.10 | ND | ND | 21.99 | 7754.46 | 7735.36 |
| | 1/17/2018 | 19.30 | ND | ND | 21.99 | 7754.46 | 7735.16 |
| | 2/20/2018 | 19.41 | ND | ND | NM | 7754.46 | 7735.05 |
| | 3/19/2018 | 18.15 | ND | ND | NM | 7754.46 | 7736.31 |
| | 4/16/2018 | 18.05 | ND | ND | NM | 7754.46 | 7736.41 |
| | 5/9/2018 | 19.15 | ND | ND | NM | 7754.46 | 7735.31 |
| | 6/11/2018 | 19.42 | ND | ND | NM | 7754.46 | 7735.04 |
| | 7/19/2018 | 19.38 | ND | ND | NM | 7754.46 | 7735.08 |
| | 8/15/2018 | 19.41 | ND | ND | NM | 7754.46 | 7735.05 |
| | 9/11/2018 | 19.39 | ND | ND | NM | 7754.46 | 7735.07 |
| | 10/2/2018 | 19.37 | ND | ND | NM | 7754.46 | 7735.09 |
| | 11/7/2018 | 19.35 | ND | ND | NM | 7754.46 | 7735.11 |
| | 12/5/2018 | 19.27 | ND | ND | NM | 7754.46 | 7735.19 |
| | 1/3/2019 | 19.24 | ND | ND | NM | 7754.46 | 7735.22 |
| | 2/4/2019 | 19.30 | ND | ND | 21.99 | 7754.46 | 7735.16 |
| | 3/4/2019 | 19.56 | ND | ND | NM | 7754.46 | 7734.90 |
| | 4/1/2019 | 18.02 | ND | ND | NM | 7754.46 | 7736.44 |
| | 5/1/2019 | 17.86 | ND | ND | NM | 7754.46 | 7736.60 |
| | 6/3/2019 | 18.19 | ND | ND | NM | 7754.46 | 7736.27 |
| | 7/2/2019 | 18.61 | ND | ND | NM | 7754.46 | 7735.85 |
| | 8/7/2019 | 19.79 | ND | ND | NM | 7754.46 | 7734.67 |
| | 9/17/2019 | 20.19 | ND | ND | NM | 7754.46 | 7734.27 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-27 | 11/2/2017 | 27.41 | ND | ND | 27.91 | 7987.08 | 7959.67 |
| | 12/14/2017 | NA | ND | ND | 27.90 | 7987.08 | NA |
| | 1/18/2018 | NA | ND | ND | NM | 7987.08 | NA |
| | 2/20/2018 | NA | ND | ND | NM | 7987.08 | NA |
| | 3/19/2018 | NA | ND | ND | NM | 7987.08 | NA |
| | 4/16/2018 | 27.86 | ND | ND | 27.92 | 7987.08 | 7959.22 |
| | 5/9/2018 | NA | ND | ND | 27.90 | 7987.08 | NA |
| | 6/11/2018 | 27.88 | ND | ND | NM | 7987.08 | 7959.20 |
| | 7/19/2018 | 27.89 | ND | ND | NM | 7987.08 | 7959.19 |
| | 8/15/2018 | 27.91 | ND | ND | NM | 7987.08 | 7959.17 |
| | 9/11/2018 | NA | ND | ND | 27.90 | 7987.08 | NA |
| | 10/2/2018 | 27.88 | ND | ND | 27.92 | 7987.08 | 7959.20 |
| | 11/7/2018 | 27.88 | ND | ND | 27.92 | 7987.08 | 7959.20 |
| | 12/5/2018 | 27.88 | ND | ND | NM | 7987.08 | 7959.20 |
| | 1/3/2019 | 27.87 | ND | ND | NM | 7987.08 | 7959.21 |
| | 2/4/2019 | 27.89 | ND | ND | 27.93 | 7987.08 | 7959.19 |
| | 3/4/2019 | 27.86 | ND | ND | NM | 7987.08 | 7959.22 |
| | 4/1/2019 | 27.89 | ND | ND | 27.92 | 7987.08 | 7959.19 |
| | 5/1/2019 | 27.89 | ND | ND | NM | 7987.08 | 7959.19 |
| | 6/3/2019 | 27.89 | ND | ND | NM | 7987.08 | 7959.19 |
| | 7/2/2019 | 27.89 | ND | ND | 27.91 | 7987.08 | 7959.19 |
| | 8/7/2019 | 27.89 | ND | ND | NM | 7987.08 | 7959.19 |
| | 9/17/2019 | 27.88 | ND | ND | NM | 7987.08 | 7959.20 |
| MW-28 | 11/2/2017 | 20.29 | 20.28 | 0.01 | 36.14 | 7947.65 | 7927.36 |
| | 12/14/2017 | 22.18 | 21.14 | 1.04 | 35.70 | 7947.65 | 7925.47 |
| | 1/18/2018 | 22.51 | 21.12 | 1.39 | NM | 7947.65 | 7925.14 |
| | 2/20/2018 | 23.00 | 21.10 | 1.90 | NM | 7947.65 | 7924.65 |
| | 3/19/2018 | 23.25 | 21.15 | 2.10 | NM | 7947.65 | 7924.40 |
| | 4/16/2018 | 23.18 | 21.67 | 1.51 | NM | 7947.65 | 7924.47 |
| | 5/9/2018 | 23.26 | 21.59 | 1.67 | NM | 7947.65 | 7924.39 |
| | 6/11/2018 | 22.95 | 21.55 | 1.40 | NM | 7947.65 | 7924.70 |
| | 7/19/2018 | 23.63 | 21.51 | 2.12 | NM | 7947.65 | 7924.02 |
| | 8/15/2018 | 24.40 | 21.13 | 3.27 | NM | 7947.65 | 7923.25 |
| | 9/11/2018 | 24.56 | 20.86 | 3.70 | NM | 7947.65 | 7923.09 |
| | 10/2/2018 | 23.23 | 21.17 | 2.06 | NM | 7947.65 | 7924.42 |
| | 11/7/2018 | 22.97 | 21.00 | 1.97 | NM | 7947.65 | 7924.68 |
| | 12/5/2018 | 22.95 | 20.99 | 1.96 | NM | 7947.65 | 7924.70 |
| | 1/3/2019 | 22.30 | 21.16 | 1.14 | NM | 7947.65 | 7925.35 |
| | 2/4/2019 | 22.40 | 21.20 | 1.20 | NM | 7947.65 | 7925.25 |
| | 3/4/2019 | 22.36 | 21.20 | 1.16 | NM | 7947.65 | 7925.29 |
| | 4/1/2019 | 21.88 | 21.25 | 0.63 | NM | 7947.65 | 7925.77 |
| | 5/1/2019 | 21.24 | 20.69 | 0.55 | NM | 7947.65 | 7926.41 |
| | 6/3/2019 | 21.15 | 20.61 | 0.54 | NM | 7947.65 | 7926.50 |
| | 7/2/2019 | 20.99 | 20.60 | 0.39 | NM | 7947.65 | 7926.66 |
| | 8/7/2019 | 20.81 | 20.39 | 0.42 | NM | 7947.65 | 7926.84 |
| | 9/17/2019 | 20.92 | 20.50 | 0.42 | NM | 7947.65 | 7926.73 |

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SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-29 | 11/3/2017 | 15.91 | ND | ND | 20.25 | 7752.37 | 7736.46 |
| | 12/12/2017 | 16.06 | ND | ND | 20.04 | 7752.37 | 7736.31 |
| | 1/17/2018 | 15.86 | ND | ND | 20.25 | 7752.37 | 7736.51 |
| | 2/20/2018 | 15.87 | ND | ND | NM | 7752.37 | 7736.50 |
| | 3/19/2018 | 15.62 | ND | ND | NM | 7752.37 | 7736.75 |
| | 4/16/2018 | 15.53 | ND | ND | NM | 7752.37 | 7736.84 |
| | 5/9/2018 | 15.63 | ND | ND | NM | 7752.37 | 7736.74 |
| | 6/11/2018 | 15.82 | ND | ND | NM | 7752.37 | 7736.55 |
| | 7/19/2018 | 15.87 | ND | ND | NM | 7752.37 | 7736.50 |
| | 8/15/2018 | 15.88 | ND | ND | NM | 7752.37 | 7736.49 |
| | 9/11/2018 | 15.87 | ND | ND | NM | 7752.37 | 7736.50 |
| | 10/2/2018 | 15.86 | ND | ND | NM | 7752.37 | 7736.51 |
| | 11/7/2018 | 15.85 | ND | ND | NM | 7752.37 | 7736.52 |
| | 12/5/2018 | 15.85 | ND | ND | NM | 7752.37 | 7736.52 |
| | 1/3/2019 | 15.87 | ND | ND | NM | 7752.37 | 7736.50 |
| | 2/4/2019 | 15.98 | ND | ND | 20.20 | 7752.37 | 7736.39 |
| | 3/4/2019 | 16.05 | ND | ND | NM | 7752.37 | 7736.32 |
| | 4/1/2019 | 15.69 | ND | ND | NM | 7752.37 | 7736.68 |
| | 5/1/2019 | 15.61 | ND | ND | NM | 7752.37 | 7736.76 |
| | 6/3/2019 | 15.66 | ND | ND | NM | 7752.37 | 7736.71 |
| | 7/2/2019 | 15.68 | ND | ND | NM | 7752.37 | 7736.69 |
| | 8/7/2019 | 15.76 | ND | ND | NM | 7752.37 | 7736.61 |
| | 9/17/2019 | 15.99 | ND | ND | NM | 7752.37 | 7736.38 |
| MW-30 | 11/3/2017 | 18.20 | ND | ND | 20.27 | 7756.05 | 7737.85 |
| | 12/12/2017 | 18.26 | ND | ND | 20.26 | 7756.05 | 7737.79 |
| | 1/17/2018 | 18.21 | ND | ND | 20.29 | 7756.05 | 7737.84 |
| | 2/20/2018 | 18.18 | ND | ND | NM | 7756.05 | 7737.87 |
| | 3/19/2018 | 18.07 | ND | ND | NM | 7756.05 | 7737.98 |
| | 4/16/2018 | 17.99 | 17.98 | 0.01 | NM | 7756.05 | 7738.06 |
| | 5/9/2018 | 18.03 | ND | ND | NM | 7756.05 | 7738.02 |
| | 6/11/2018 | 18.05 | ND | ND | NM | 7756.05 | 7738.00 |
| | 7/19/2018 | 18.01 | ND | ND | NM | 7756.05 | 7738.04 |
| | 8/15/2018 | 18.01 | ND | ND | NM | 7756.05 | 7738.04 |
| | 9/11/2018 | 17.99 | ND | ND | NM | 7756.05 | 7738.06 |
| | 10/2/2018 | 17.97 | ND | ND | NM | 7756.05 | 7738.08 |
| | 11/7/2018 | 18.01 | ND | ND | NM | 7756.05 | 7738.04 |
| | 12/5/2018 | 18.00 | ND | ND | NM | 7756.05 | 7738.05 |
| | 1/3/2019 | 18.00 | ND | ND | NM | 7756.05 | 7738.05 |
| | 2/4/2019 | 18.26 | ND | ND | 20.27 | 7756.05 | 7737.79 |
| | 3/4/2019 | 18.13 | ND | ND | NM | 7756.05 | 7737.92 |
| | 4/1/2019 | 17.98 | ND | ND | NM | 7756.05 | 7738.07 |
| | 5/1/2019 | 17.82 | ND | ND | NM | 7756.05 | 7738.23 |
| | 6/3/2019 | 17.78 | ND | ND | NM | 7756.05 | 7738.27 |
| | 7/2/2019 | 17.76 | ND | ND | NM | 7756.05 | 7738.29 |
| | 8/7/2019 | 17.88 | ND | ND | NM | 7756.05 | 7738.17 |
| | 9/17/2019 | 18.02 | ND | ND | NM | 7756.05 | 7738.03 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-32 | 11/3/2017 | 26.32 | ND | ND | 33.02 | 7807.65 | 7781.33 |
| | 12/20/2017 | 26.54 | 26.27 | 0.27 | 32.70 | 7807.65 | 7781.11 |
| | 1/17/2018 | 26.40 | 26.07 | 0.33 | NM | 7807.65 | 7781.25 |
| | 2/20/2018 | 25.80 | 25.65 | 0.15 | NM | 7807.65 | 7781.85 |
| | 3/19/2018 | 24.59 | ND | ND | NM | 7807.65 | 7783.06 |
| | 4/16/2018 | 24.16 | ND | ND | NM | 7807.65 | 7783.49 |
| | 5/9/2018 | 24.51 | ND | ND | NM | 7807.65 | 7783.14 |
| | 6/11/2018 | 24.54 | ND | ND | NM | 7807.65 | 7783.11 |
| | 7/19/2018 | 24.51 | ND | ND | NM | 7807.65 | 7783.14 |
| | 8/15/2018 | 24.66 | ND | ND | NM | 7807.65 | 7782.99 |
| | 9/11/2018 | 24.70 | ND | ND | NM | 7807.65 | 7782.95 |
| | 10/2/2018 | 24.79 | ND | ND | NM | 7807.65 | 7782.86 |
| | 11/7/2018 | 23.83 | ND | ND | NM | 7807.65 | 7783.82 |
| | 12/5/2018 | 24.85 | ND | ND | NM | 7807.65 | 7782.80 |
| | 1/4/2019 | 25.01 | ND | ND | NM | 7807.65 | 7782.64 |
| | 2/4/2019 | 25.21 | ND | ND | 32.24 | 7807.65 | 7782.44 |
| | 3/4/2019 | 24.81 | ND | ND | NM | 7807.65 | 7782.84 |
| | 4/1/2019 | 23.36 | ND | ND | NM | 7807.65 | 7784.29 |
| | 5/1/2019 | 21.03 | ND | ND | NM | 7807.65 | 7786.62 |
| | 6/3/2019 | 22.95 | ND | ND | NM | 7807.65 | 7784.70 |
| | 7/2/2019 | 23.16 | ND | ND | NM | 7807.65 | 7784.49 |
| | 8/7/2019 | 23.99 | ND | ND | NM | 7807.65 | 7783.66 |
| | 9/17/2019 | 24.59 | ND | ND | NM | 7807.65 | 7783.06 |
| MW-33 | 11/3/2017 | 23.05 | 22.92 | 0.13 | 33.05 | 7804.45 | 7781.40 |
| | 12/12/2017 | 23.20 | 22.91 | 0.29 | 32.90 | 7804.45 | 7781.25 |
| | 1/17/2018 | 23.00 | 22.70 | 0.30 | NM | 7804.45 | 7781.45 |
| | 2/20/2018 | 22.40 | 22.15 | 0.25 | NM | 7804.45 | 7782.05 |
| | 3/19/2018 | 21.70 | 21.33 | 0.37 | NM | 7804.45 | 7782.75 |
| | 4/16/2018 | 21.10 | 20.87 | 0.23 | NM | 7804.45 | 7783.35 |
| | 5/9/2018 | 21.78 | 21.54 | 0.24 | NM | 7804.45 | 7782.67 |
| | 6/11/2018 | 21.71 | 21.57 | 0.14 | NM | 7804.45 | 7782.74 |
| | 7/19/2018 | 21.86 | 21.73 | 0.13 | NM | 7804.45 | 7782.59 |
| | 8/15/2018 | 21.95 | 21.83 | 0.12 | NM | 7804.45 | 7782.50 |
| | 9/11/2018 | 21.66 | 21.62 | 0.04 | NM | 7804.45 | 7782.79 |
| | 10/2/2018 | 21.65 | 21.60 | 0.05 | NM | 7804.45 | 7782.80 |
| | 11/7/2018 | 21.97 | 21.87 | 0.10 | NM | 7804.45 | 7782.48 |
| | 12/5/2018 | 22.35 | 22.20 | 0.15 | NM | 7804.45 | 7782.10 |
| | 1/3/2019 | 22.44 | 22.32 | 0.12 | NM | 7804.45 | 7782.01 |
| | 2/4/2019 | 22.43 | 22.35 | 0.08 | 32.56 | 7804.45 | 7782.02 |
| | 3/4/2019 | 21.97 | 21.95 | 0.02 | NM | 7804.45 | 7782.48 |
| | 4/1/2019 | 20.65 | ND | ND | NM | 7804.45 | 7783.80 |
| | 5/1/2019 | 18.78 | ND | ND | NM | 7804.45 | 7785.67 |
| | 6/3/2019 | 20.30 | ND | ND | NM | 7804.45 | 7784.15 |
| | 7/2/2019 | 24.30 | ND | ND | NM | 7804.45 | 7780.15 |
| | 8/7/2019 | 21.08 | ND | ND | NM | 7804.45 | 7783.37 |
| | 9/17/2019 | 21.55 | ND | ND | NM | 7804.45 | 7782.90 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-34 | 11/3/2017 | 22.18 | ND | ND | 26.45 | 7774.38 | 7752.20 |
| | 12/12/2017 | 22.21 | ND | ND | 26.35 | 7774.38 | 7752.17 |
| | 1/17/2018 | 22.27 | ND | ND | 26.25 | 7774.38 | 7752.11 |
| | 2/20/2018 | 22.68 | ND | ND | NM | 7774.38 | 7751.70 |
| | 3/19/2018 | 20.88 | ND | ND | NM | 7774.38 | 7753.50 |
| | 4/16/2018 | 20.38 | ND | ND | NM | 7774.38 | 7754.00 |
| | 5/9/2018 | 21.77 | ND | ND | NM | 7774.38 | 7752.61 |
| | 6/11/2018 | 22.42 | ND | ND | NM | 7774.38 | 7751.96 |
| | 7/19/2018 | 22.54 | ND | ND | NM | 7774.38 | 7751.84 |
| | 8/15/2018 | 22.66 | ND | ND | NM | 7774.38 | 7751.72 |
| | 9/11/2018 | 22.75 | ND | ND | NM | 7774.38 | 7751.63 |
| | 10/2/2018 | 22.74 | ND | ND | NM | 7774.38 | 7751.64 |
| | 11/7/2018 | 22.78 | ND | ND | NM | 7774.38 | 7751.60 |
| | 12/5/2018 | 22.88 | ND | ND | NM | 7774.38 | 7751.50 |
| | 1/3/2019 | 22.91 | ND | ND | NM | 7774.38 | 7751.47 |
| | 2/4/2019 | 22.96 | ND | ND | 26.20 | 7774.38 | 7751.42 |
| | 3/4/2019 | 23.33 | ND | ND | NM | 7774.38 | 7751.05 |
| | 4/1/2019 | 20.40 | ND | ND | NM | 7774.38 | 7753.98 |
| | 5/1/2019 | 19.54 | ND | ND | NM | 7774.38 | 7754.84 |
| | 6/3/2019 | 20.86 | ND | ND | NM | 7774.38 | 7753.52 |
| | 7/2/2019 | 21.16 | ND | ND | NM | 7774.38 | 7753.22 |
| | 8/7/2019 | 21.91 | ND | ND | NM | 7774.38 | 7752.47 |
| | 9/17/2019 | 22.62 | ND | ND | NM | 7774.38 | 7751.76 |
| MW-35 | 11/8/2017 | 17.40 | 17.39 | 0.01 | 22.91 | 7771.48 | 7754.08 |
| | 12/12/2017 | 17.42 | ND | ND | 22.88 | 7771.48 | 7754.06 |
| | 1/17/2018 | 17.92 | 17.59 | 0.33 | 22.82 | 7771.48 | 7753.56 |
| | 2/20/2018 | 17.59 | 17.30 | 0.29 | NM | 7771.48 | 7753.89 |
| | 3/19/2018 | 16.01 | 16.00 | 0.01 | NM | 7771.48 | 7755.47 |
| | 4/16/2018 | 15.68 | 15.67 | 0.01 | NM | 7771.48 | 7755.80 |
| | 5/9/2018 | 16.91 | 16.85 | 0.06 | NM | 7771.48 | 7754.57 |
| | 6/11/2018 | 17.69 | 17.68 | 0.01 | NM | 7771.48 | 7753.79 |
| | 7/19/2018 | 18.05 | 17.92 | 0.13 | NM | 7771.48 | 7753.43 |
| | 8/15/2018 | 18.19 | 18.01 | 0.18 | NM | 7771.48 | 7753.29 |
| | 9/11/2018 | 18.41 | 18.26 | 0.15 | NM | 7771.48 | 7753.07 |
| | 10/2/2018 | 18.40 | 18.28 | 0.12 | NM | 7771.48 | 7753.08 |
| | 11/7/2018 | 18.46 | 18.33 | 0.13 | NM | 7771.48 | 7753.02 |
| | 12/5/2018 | 18.62 | 18.42 | 0.20 | NM | 7771.48 | 7752.86 |
| | 1/3/2019 | 18.58 | 18.50 | 0.08 | NM | 7771.48 | 7752.90 |
| | 2/4/2019 | 18.57 | 18.55 | 0.02 | 22.48 | 7771.48 | 7752.91 |
| | 3/4/2019 | 18.88 | 18.77 | 0.11 | NM | 7771.48 | 7752.60 |
| | 4/1/2019 | 15.71 | ND | ND | NM | 7771.48 | 7755.77 |
| | 5/1/2019 | 14.65 | ND | ND | NM | 7771.48 | 7756.83 |
| | 6/3/2019 | 16.08 | ND | ND | NM | 7771.48 | 7755.40 |
| | 7/2/2019 | 16.14 | ND | ND | NM | 7771.48 | 7755.34 |
| | 8/7/2019 | 16.90 | ND | ND | NM | 7771.48 | 7754.58 |
| | 9/17/2019 | 17.81 | ND | ND | NM | 7771.48 | 7753.67 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-36 | 11/8/2017 | 18.71 | 18.70 | 0.01 | 31.15 | 7966.10 | 7947.39 |
| | 12/14/2017 | 18.80 | ND | ND | 31.10 | 7966.10 | 7947.30 |
| | 1/18/2018 | 18.89 | ND | ND | NM | 7966.10 | 7947.21 |
| | 2/20/2018 | 18.90 | ND | ND | NM | 7966.10 | 7947.20 |
| | 3/19/2018 | 18.92 | ND | ND | NM | 7966.10 | 7947.18 |
| | 4/16/2018 | 18.76 | ND | ND | NM | 7966.10 | 7947.34 |
| | 5/9/2018 | 18.98 | ND | ND | NM | 7966.10 | 7947.12 |
| | 6/11/2018 | 19.04 | ND | ND | NM | 7966.10 | 7947.06 |
| | 7/19/2018 | 19.10 | ND | ND | NM | 7966.10 | 7947.00 |
| | 8/15/2018 | 19.18 | ND | ND | NM | 7966.10 | 7946.92 |
| | 9/11/2018 | 19.30 | ND | ND | NM | 7966.10 | 7946.80 |
| | 10/2/2018 | 19.28 | ND | ND | NM | 7966.10 | 7946.82 |
| | 11/7/2018 | 19.30 | ND | ND | NM | 7966.10 | 7946.80 |
| | 12/5/2018 | 19.35 | ND | ND | NM | 7966.10 | 7946.75 |
| | 1/3/2019 | 19.41 | ND | ND | NM | 7966.10 | 7946.69 |
| | 2/4/2019 | 19.48 | ND | ND | NM | 7966.10 | 7946.62 |
| | 3/4/2019 | 19.51 | ND | ND | NM | 7966.10 | 7946.59 |
| | 4/1/2019 | 19.55 | ND | ND | NM | 7966.10 | 7946.55 |
| | 5/1/2019 | 18.50 | ND | ND | NM | 7966.10 | 7947.60 |
| | 6/3/2019 | 18.91 | ND | ND | NM | 7966.10 | 7947.19 |
| | 7/2/2019 | 18.60 | ND | ND | NM | 7966.10 | 7947.50 |
| | 8/7/2019 | 18.63 | ND | ND | NM | 7966.10 | 7947.47 |
| | 9/17/2019 | 18.68 | ND | ND | NM | 7966.10 | 7947.42 |
| MW-37 | 11/8/2017 | 28.54 | 28.53 | 0.01 | 42.28 | 7866.39 | 7837.85 |
| | 12/13/2017 | 27.95 | ND | ND | 42.25 | 7866.39 | 7838.44 |
| | 1/17/2018 | 28.04 | ND | ND | NM | 7866.39 | 7838.35 |
| | 2/20/2018 | 28.20 | ND | ND | NM | 7866.39 | 7838.19 |
| | 3/19/2018 | 28.12 | ND | ND | NM | 7866.39 | 7838.27 |
| | 4/16/2018 | 27.80 | ND | ND | NM | 7866.39 | 7838.59 |
| | 5/9/2018 | 28.14 | ND | ND | NM | 7866.39 | 7838.25 |
| | 6/11/2018 | 28.32 | ND | ND | NM | 7866.39 | 7838.07 |
| | 7/19/2018 | 28.40 | ND | ND | NM | 7866.39 | 7837.99 |
| | 8/15/2018 | 28.46 | ND | ND | NM | 7866.39 | 7837.93 |
| | 9/11/2018 | 28.09 | ND | ND | NM | 7866.39 | 7838.30 |
| | 10/2/2018 | 27.70 | ND | ND | NM | 7866.39 | 7838.69 |
| | 11/7/2018 | 27.85 | ND | ND | NM | 7866.39 | 7838.54 |
| | 12/5/2018 | 27.89 | ND | ND | NM | 7866.39 | 7838.50 |
| | 1/3/2019 | 27.85 | ND | ND | NM | 7866.39 | 7838.54 |
| | 2/4/2019 | 27.71 | ND | ND | NM | 7866.39 | 7838.68 |
| | 3/4/2019 | 27.92 | ND | ND | NM | 7866.39 | 7838.47 |
| | 4/1/2019 | 27.80 | ND | ND | NM | 7866.39 | 7838.59 |
| | 5/1/2019 | 26.95 | ND | ND | NM | 7866.39 | 7839.44 |
| | 6/3/2019 | 27.30 | ND | ND | NM | 7866.39 | 7839.09 |
| | 7/2/2019 | 27.37 | ND | ND | NM | 7866.39 | 7839.02 |
| | 8/7/2019 | 27.35 | ND | ND | NM | 7866.39 | 7839.04 |
| | 9/17/2019 | 27.65 | ND | ND | NM | 7866.39 | 7838.74 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-38 | 11/15/2017 | 16.15 | ND | ND | 20.95 | 7746.83 | 7730.68 |
| | 12/12/2017 | 16.18 | ND | ND | 20.88 | 7746.83 | 7730.65 |
| | 1/17/2018 | 16.19 | ND | ND | 20.90 | 7746.83 | 7730.64 |
| | 2/20/2018 | 16.10 | ND | ND | NM | 7746.83 | 7730.73 |
| | 3/19/2018 | 15.78 | ND | ND | NM | 7746.83 | 7731.05 |
| | 4/16/2018 | 15.50 | ND | ND | NM | 7746.83 | 7731.33 |
| | 5/9/2018 | 15.72 | ND | ND | NM | 7746.83 | 7731.11 |
| | 6/11/2018 | 15.87 | ND | ND | NM | 7746.83 | 7730.96 |
| | 7/19/2018 | 15.81 | ND | ND | NM | 7746.83 | 7731.02 |
| | 8/15/2018 | 15.81 | ND | ND | NM | 7746.83 | 7731.02 |
| | 9/11/2018 | 15.79 | ND | ND | NM | 7746.83 | 7731.04 |
| | 10/2/2018 | 15.84 | ND | ND | NM | 7746.83 | 7730.99 |
| | 11/7/2018 | 15.94 | ND | ND | NM | 7746.83 | 7730.89 |
| | 12/5/2018 | 15.97 | ND | ND | NM | 7746.83 | 7730.86 |
| | 1/3/2019 | 16.01 | ND | ND | NM | 7746.83 | 7730.82 |
| | 2/4/2019 | 16.08 | ND | ND | 20.92 | 7746.83 | 7730.75 |
| | 3/4/2019 | 16.14 | ND | ND | NM | 7746.83 | 7730.69 |
| | 4/1/2019 | 15.53 | ND | ND | NM | 7746.83 | 7731.30 |
| | 5/1/2019 | 15.28 | ND | ND | NM | 7746.83 | 7731.55 |
| | 6/3/2019 | 15.57 | ND | ND | NM | 7746.83 | 7731.26 |
| | 7/2/2019 | 15.65 | ND | ND | NM | 7746.83 | 7731.18 |
| | 8/7/2019 | 15.89 | ND | ND | NM | 7746.83 | 7730.94 |
| | 9/17/2019 | 16.18 | ND | ND | NM | 7746.83 | 7730.65 |
| MW-39 | 11/15/2017 | 10.10 | ND | ND | 17.89 | 7819.07 | 7808.97 |
| | 12/12/2017 | 10.17 | 10.14 | 0.03 | 17.47 | 7819.07 | 7808.90 |
| | 1/17/2018 | 10.31 | ND | ND | NM | 7819.07 | 7808.76 |
| | 2/20/2018 | 10.39 | ND | ND | NM | 7819.07 | 7808.68 |
| | 3/19/2018 | 8.92 | ND | ND | NM | 7819.07 | 7810.15 |
| | 4/16/2018 | 8.85 | ND | ND | NM | 7819.07 | 7810.22 |
| | 5/9/2018 | 9.67 | 9.62 | 0.05 | NM | 7819.07 | 7809.40 |
| | 6/11/2018 | 10.21 | 10.16 | 0.05 | NM | 7819.07 | 7808.86 |
| | 7/19/2018 | 10.80 | 10.72 | 0.08 | NM | 7819.07 | 7808.27 |
| | 8/15/2018 | 11.01 | 10.96 | 0.05 | NM | 7819.07 | 7808.06 |
| | 9/11/2018 | 11.14 | 11.10 | 0.04 | NM | 7819.07 | 7807.93 |
| | 10/2/2018 | 11.24 | ND | ND | NM | 7819.07 | 7807.83 |
| | 11/7/2018 | 11.33 | 11.32 | 0.01 | NM | 7819.07 | 7807.74 |
| | 12/5/2018 | 11.46 | ND | ND | NM | 7819.07 | 7807.61 |
| | 1/3/2019 | 11.59 | ND | ND | NM | 7819.07 | 7807.48 |
| | 2/4/2019 | 11.62 | ND | ND | NM | 7819.07 | 7807.45 |
| | 3/4/2019 | 11.81 | ND | ND | NM | 7819.07 | 7807.26 |
| | 4/1/2019 | 9.01 | ND | ND | NM | 7819.07 | 7810.06 |
| | 5/1/2019 | 7.76 | ND | ND | NM | 7819.07 | 7811.31 |
| | 6/3/2019 | 9.90 | ND | ND | NM | 7819.07 | 7809.17 |
| | 7/2/2019 | 8.96 | ND | ND | NM | 7819.07 | 7810.11 |
| | 8/7/2019 | 9.65 | ND | ND | NM | 7819.07 | 7809.42 |
| | 9/17/2019 | 10.42 | ND | ND | NM | 7819.07 | 7808.65 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|------------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-40 | 11/15/2017 | 27.45 | ND | ND | 32.50 | 7692.25 | 7664.80 |
| | 12/12/2017 | 27.44 | ND | ND | 32.40 | 7692.25 | 7664.81 |
| | 1/17/2018 | 27.55 | ND | ND | 32.30 | 7692.25 | 7664.70 |
| | 2/20/2018 | 27.64 | ND | ND | NM | 7692.25 | 7664.61 |
| | 3/19/2018 | 27.20 | ND | ND | NM | 7692.25 | 7665.05 |
| | 4/16/2018 | 25.60 | ND | ND | NM | 7692.25 | 7666.65 |
| | 5/9/2018 | 27.00 | ND | ND | NM | 7692.25 | 7665.25 |
| | 6/11/2018 | 27.45 | ND | ND | NM | 7692.25 | 7664.80 |
| | 7/19/2018 | 26.66 | ND | ND | NM | 7692.25 | 7665.59 |
| | 8/15/2018 | 27.81 | ND | ND | NM | 7692.25 | 7664.44 |
| | 9/11/2018 | 27.85 | ND | ND | NM | 7692.25 | 7664.40 |
| | 10/2/2018 | 27.90 | ND | ND | NM | 7692.25 | 7664.35 |
| | 11/7/2018 | 27.92 | ND | ND | NM | 7692.25 | 7664.33 |
| | 12/5/2018 | 28.00 | ND | ND | NM | 7692.25 | 7664.25 |
| | 1/3/2019 | 28.10 | ND | ND | NM | 7692.25 | 7664.15 |
| | 2/4/2019 | 28.19 | ND | ND | 32.20 | 7692.25 | 7664.06 |
| | 3/4/2019 | 28.26 | ND | ND | NM | 7692.25 | 7663.99 |
| | 4/1/2019 | 26.33 | ND | ND | NM | 7692.25 | 7665.92 |
| | 5/1/2019 | 25.23 | ND | ND | NM | 7692.25 | 7667.02 |
| | 6/3/2019 | 25.91 | ND | ND | NM | 7692.25 | 7666.34 |
| | 7/2/2019 | 26.16 | ND | ND | NM | 7692.25 | 7666.09 |
| | 8/7/2019 | 26.60 | ND | ND | NM | 7692.25 | 7665.65 |
| | 9/17/2019 | 27.15 | ND | ND | NM | 7692.25 | 7665.10 |
| MW-41 | 11/21/2017 | 44.37 | ND | ND | 48.49 | 7856.30 | 7811.93 |
| | 12/13/2017 | 44.45 | ND | ND | 48.22 | 7856.30 | 7811.85 |
| | 1/17/2018 | 44.44 | ND | ND | NM | 7856.30 | 7811.86 |
| | 2/20/2018 | 44.45 | 44.42 | 0.03 | NM | 7856.30 | 7811.85 |
| | 3/19/2018 | 43.77 | 43.73 | 0.04 | NM | 7856.30 | 7812.53 |
| | 4/16/2018 | 43.48 | ND | ND | NM | 7856.30 | 7812.82 |
| | 5/9/2018 | 44.06 | 44.05 | 0.01 | NM | 7856.30 | 7812.24 |
| | 6/11/2018 | 44.32 | ND | ND | NM | 7856.30 | 7811.98 |
| | 7/19/2018 | 44.50 | ND | ND | NM | 7856.30 | 7811.80 |
| | 8/15/2018 | 44.58 | 44.51 | 0.07 | NM | 7856.30 | 7811.72 |
| | 9/11/2018 | 44.63 | 44.56 | 0.07 | NM | 7856.30 | 7811.67 |
| | 10/2/2018 | 44.63 | 44.62 | 0.01 | NM | 7856.30 | 7811.67 |
| | 11/7/2018 | 44.72 | ND | ND | NM | 7856.30 | 7811.58 |
| | 12/5/2018 | 44.75 | 44.74 | 0.01 | NM | 7856.30 | 7811.55 |
| | 1/3/2019 | 44.77 | ND | ND | NM | 7856.30 | 7811.53 |
| | 2/4/2019 | 45.10 | 44.80 | 0.30 | NM | 7856.30 | 7811.20 |
| | 3/4/2019 | 45.12 | 44.80 | 0.32 | NM | 7856.30 | 7811.18 |
| | 4/1/2019 | 43.62 | 43.61 | 0.01 | NM | 7856.30 | 7812.68 |
| | 5/1/2019 | 42.69 | ND | ND | NM | 7856.30 | 7813.61 |
| | 6/3/2019 | 43.28 | ND | ND | NM | 7856.30 | 7813.02 |
| | 7/2/2019 | 43.34 | ND | ND | NM | 7856.30 | 7812.96 |
| | 8/7/2019 | 43.89 | ND | ND | NM | 7856.30 | 7812.41 |
| | 9/17/2019 | 44.20 | 44.19 | 0.01 | NM | 7856.30 | 7812.10 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|-----------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-42 | 9/17/2018 | 32.46 | ND | ND | 38.81 | 7680.72 | 7648.26 |
| | 10/2/2018 | 31.96 | ND | ND | NM | 7680.72 | 7648.76 |
| | 11/7/2018 | 32.05 | ND | ND | NM | 7680.72 | 7648.67 |
| | 12/5/2018 | 32.25 | ND | ND | NM | 7680.72 | 7648.47 |
| | 1/3/2019 | 32.50 | ND | ND | NM | 7680.72 | 7648.22 |
| | 2/4/2019 | 33.10 | ND | ND | 38.58 | 7680.72 | 7647.62 |
| | 3/4/2019 | 32.87 | ND | ND | NM | 7680.72 | 7647.85 |
| | 4/1/2019 | 28.01 | ND | ND | NM | 7680.72 | 7652.71 |
| | 5/1/2019 | 26.00 | ND | ND | NM | 7680.72 | 7654.72 |
| | 6/3/2019 | 27.05 | ND | ND | NM | 7680.72 | 7653.67 |
| | 7/2/2019 | 27.42 | ND | ND | NM | 7680.72 | 7653.30 |
| | 8/7/2019 | 28.35 | ND | ND | NM | 7680.72 | 7652.37 |
| | 9/17/2019 | 29.67 | ND | ND | NM | 7680.72 | 7651.05 |
| | | | | | | | |
| MW-43 | 9/26/2018 | 19.88 | ND | ND | 26.81 | 7698.38 | 7678.50 |
| | 10/2/2018 | 19.92 | ND | ND | NM | 7698.38 | 7678.46 |
| | 11/7/2018 | 19.94 | ND | ND | NM | 7698.38 | 7678.44 |
| | 12/5/2018 | 20.01 | ND | ND | NM | 7698.38 | 7678.37 |
| | 1/3/2019 | 20.02 | ND | ND | NM | 7698.38 | 7678.36 |
| | 2/4/2019 | 20.01 | ND | ND | 22.57 | 7698.38 | 7678.37 |
| | 3/4/2019 | 20.08 | ND | ND | NM | 7698.38 | 7678.30 |
| | 4/1/2019 | 18.93 | ND | ND | NM | 7698.38 | 7679.45 |
| | 5/1/2019 | 18.41 | ND | ND | NM | 7698.38 | 7679.97 |
| | 6/3/2019 | 18.71 | ND | ND | NM | 7698.38 | 7679.67 |
| | 7/2/2019 | 18.86 | ND | ND | NM | 7698.38 | 7679.52 |
| | 8/7/2019 | 19.03 | ND | ND | NM | 7698.38 | 7679.35 |
| | 9/17/2019 | 19.23 | ND | ND | NM | 7698.38 | 7679.15 |
| | | | | | | | |
| MW-44 | 9/18/2018 | 29.35 | ND | ND | 34.57 | 7714.34 | 7684.99 |
| | 10/2/2018 | 29.51 | ND | ND | NM | 7714.34 | 7684.83 |
| | 11/7/2018 | 29.58 | ND | ND | NM | 7714.34 | 7684.76 |
| | 12/5/2018 | 29.62 | ND | ND | NM | 7714.34 | 7684.72 |
| | 1/3/2019 | 29.85 | ND | ND | NM | 7714.34 | 7684.49 |
| | 2/4/2019 | 29.92 | ND | ND | 34.89 | 7714.34 | 7684.42 |
| | 3/4/2019 | 29.57 | ND | ND | NM | 7714.34 | 7684.77 |
| | 4/1/2019 | 28.43 | ND | ND | NM | 7714.34 | 7685.91 |
| | 5/1/2019 | 26.03 | ND | ND | NM | 7714.34 | 7688.31 |
| | 6/3/2019 | 27.30 | ND | ND | NM | 7714.34 | 7687.04 |
| | 7/2/2019 | 27.79 | ND | ND | NM | 7714.34 | 7686.55 |
| | 8/7/2019 | 28.38 | ND | ND | NM | 7714.34 | 7685.96 |
| | 9/17/2019 | 28.87 | ND | ND | NM | 7714.34 | 7685.47 |
| | | | | | | | |
| MW-45 | 9/18/2018 | 15.32 | ND | ND | 20.31 | 7709.46 | 7694.14 |
| | 10/2/2018 | 15.42 | ND | ND | NM | 7709.46 | 7694.04 |
| | 11/7/2018 | 15.55 | ND | ND | NM | 7709.46 | 7693.91 |
| | 12/5/2018 | 15.68 | ND | ND | NM | 7709.46 | 7693.78 |
| | 1/3/2019 | 15.78 | ND | ND | NM | 7709.46 | 7693.68 |
| | 2/4/2019 | 16.31 | ND | ND | 20.74 | 7709.46 | 7693.15 |
| | 3/4/2019 | 15.81 | ND | ND | NM | 7709.46 | 7693.65 |
| | 4/1/2019 | 13.89 | ND | ND | NM | 7709.46 | 7695.57 |
| | 5/1/2019 | 11.84 | ND | ND | NM | 7709.46 | 7697.62 |
| | 6/3/2019 | 13.27 | ND | ND | NM | 7709.46 | 7696.19 |
| | 7/2/2019 | 13.83 | ND | ND | NM | 7709.46 | 7695.63 |
| | 8/7/2019 | 14.41 | ND | ND | NM | 7709.46 | 7695.05 |
| | 9/17/2019 | 15.05 | ND | ND | NM | 7709.46 | 7694.41 |

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION AND PRODUCT THICKNESS GAUGING DATA

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Wells | Date | DTW TOC (feet) | DTP TOC (feet) | Product Thickness (feet) | TD TOC (feet) | TOC Elevation (feet) | GW Elevation (feet) |
|-------|-----------|-------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------------|
| MW-46 | 9/18/2018 | 26.55 | ND | ND | 32.34 | 7729.78 | 7703.23 |
| | 10/2/2018 | 26.68 | ND | ND | NM | 7729.78 | 7703.10 |
| | 11/7/2018 | 26.55 | ND | ND | NM | 7729.78 | 7703.23 |
| | 12/5/2018 | 26.82 | ND | ND | NM | 7729.78 | 7702.96 |
| | 1/3/2019 | 26.90 | ND | ND | NM | 7729.78 | 7702.88 |
| | 2/4/2019 | 27.39 | ND | ND | 32.53 | 7729.78 | 7702.39 |
| | 3/4/2019 | 27.02 | ND | ND | NM | 7729.78 | 7702.76 |
| | 4/1/2019 | 25.10 | ND | ND | NM | 7729.78 | 7704.68 |
| | 5/1/2019 | 23.60 | ND | ND | NM | 7729.78 | 7706.18 |
| | 6/3/2019 | 24.98 | ND | ND | NM | 7729.78 | 7704.80 |
| | 7/2/2019 | 25.27 | ND | ND | NM | 7729.78 | 7704.51 |
| | 8/7/2019 | 25.70 | ND | ND | NM | 7729.78 | 7704.08 |
| | 9/17/2019 | 26.13 | ND | ND | NM | 7729.78 | 7703.65 |
| | | | | | | | |
| Sump | 11/3/2017 | 16.60 | 16.56 | 0.04 | NM | -- | -- |
| | 1/18/2018 | 16.35 | 16.30 | 0.05 | NM | -- | -- |
| | 2/20/2018 | 16.50 | 16.45 | 0.05 | NM | -- | -- |
| | 3/19/2018 | 16.25 | 16.22 | 0.03 | NM | -- | -- |
| | 4/16/2018 | 15.80 | 15.77 | 0.03 | NM | -- | -- |
| | 5/9/2018 | 16.78 | 16.32 | 0.46 | NM | -- | -- |
| | 6/11/2018 | 16.67 | 16.55 | 0.12 | NM | -- | -- |
| | 7/19/2018 | 16.80 | 16.74 | 0.06 | NM | -- | -- |
| | 8/15/2018 | 16.86 | 16.83 | 0.03 | NM | -- | -- |
| | 9/11/2018 | 16.97 | 16.93 | 0.04 | NM | -- | -- |
| | 10/2/2018 | 17.08 | 17.04 | 0.04 | NM | -- | -- |
| | 11/7/2018 | 17.11 | 17.08 | 0.03 | NM | -- | -- |
| | 12/5/2018 | 17.13 | 17.11 | 0.02 | NM | -- | -- |
| | 1/3/2019 | 17.13 | 17.12 | 0.01 | NM | -- | -- |
| | 2/4/2019 | 17.21 | 17.20 | 0.01 | NM | -- | -- |
| | 3/4/2019 | 17.33 | 17.28 | 0.05 | NM | -- | -- |
| | 4/1/2019 | 16.60 | ND | ND | NM | -- | -- |
| | 5/1/2019 | 14.90 | 14.89 | 0.01 | NM | -- | -- |
| | 6/3/2019 | 15.51 | 15.50 | 0.01 | NM | -- | -- |
| | 7/2/2019 | 15.60 | ND | ND | NM | -- | -- |
| | 8/7/2019 | 15.90 | ND | ND | NM | -- | -- |
| | 9/17/2019 | 16.24 | 16.23 | 0.01 | NM | -- | -- |

Notes:

DTW - Depth to Water
 DTP - Depth to Product
 TOC - Top of Casing
 TD - Total Depth
 GW - Groundwater
 BGS - Below Ground Surface
 ND - No Free Product Detected in Well
 NM - Not Measured
 -- - No Survey Data
 NA - Dry

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-02 | 9/26/2018 | 6.7 | 4.5 | >10.0* | 360.0 | 216,000 | 216,000 |
| | 10/2/2018 | 8.4 | 4.4 | >10.0* | 372.0 | 223,200 | 439,200 |
| | 11/7/2018 | 8.4 | 4.2 | >10.0* | 360.0 | 216,000 | 655,200 |
| | 12/5/2018 | 9.5 | 4.3 | >10.0* | 372.0 | 223,200 | 878,400 |
| | 1/3/2019 | 8.0 | 4.0 | >10.0 | 372.0 | 223,200 | 1,101,600 |
| | 2/4/2019 | 8.9 | 3.7 | 9.1 | 336.0 | 183,456 | 1,285,056 |
| | 3/5/2019 | 6.6 | 3.6 | 9.0 | 744.0 | 401,760 | 1,686,816 |
| | 4/1/2019 | 7.5 | 4.2 | 8.5 | 540.0 | 275,400 | 1,962,216 |
| | 5/1/2019 | 8.9 | 5.3 | 4.3 | 372.0 | 95,976 | 2,058,192 |
| | 6/3/2019 | 6.0 | 4.3 | 2.9 | 360.0 | 62,640 | 2,120,832 |
| | 7/8/2019 | 7.0 | 4.2 | 3.7 | 372.0 | 82,584 | 2,203,416 |
| | 8/7/2019 | 6.2 | 4.4 | 5.1 | 372.0 | 113,832 | 2,317,248 |
| | 9/20/2019 | 8.1 | 4.2 | 5.0 | 360.0 | 108,000 | 2,425,248 |
| AS-03 | 9/26/2018 | 6.7 | 7.3 | 3.0 | 360.0 | 64,800 | 64,800 |
| | 10/2/2018 | 8.4 | 6.8 | 4.7 | 372.0 | 104,904 | 169,704 |
| | 11/7/2018 | 8.4 | 7.0 | 5.0 | 360.0 | 108,000 | 277,704 |
| | 12/5/2018 | 9.5 | 6.8 | 5.9 | 372.0 | 131,688 | 409,392 |
| | 1/3/2019 | 8.0 | 6.8 | 4.0 | 372.0 | 89,280 | 498,672 |
| | 2/4/2019 | 8.9 | 6.6 | 2.9 | 336.0 | 58,464 | 557,136 |
| | 3/5/2019 | 6.6 | 6.2 | 2.1 | 744.0 | 93,744 | 650,880 |
| | 4/1/2019 | 7.5 | 6.8 | 2.5 | 540.0 | 81,000 | 731,880 |
| | 5/1/2019 | 8.9 | 7.3 | 1.0 | 372.0 | 22,320 | 754,200 |
| | 6/3/2019 | 6.0 | 7.1 | 4.5 | 360.0 | 97,200 | 851,400 |
| | 7/8/2019 | 7.0 | 7.0 | 4.1 | 372.0 | 91,512 | 942,912 |
| | 8/7/2019 | 6.2 | 7.6 | 2.5 | 372.0 | 55,800 | 998,712 |
| | 9/20/2019 | 8.1 | 8.9 | 1.5 | 360.0 | 32,400 | 1,031,112 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-04 | 9/26/2018 | 6.7 | 7.3 | 3.1 | 360.0 | 66,960 | 66,960 |
| | 10/2/2018 | 8.4 | 6.8 | 6.0 | 372.0 | 133,920 | 200,880 |
| | 11/7/2018 | 8.4 | 6.9 | 7.5 | 360.0 | 162,000 | 362,880 |
| | 12/5/2018 | 9.5 | 6.6 | 7.2 | 372.0 | 160,704 | 523,584 |
| | 1/3/2019 | 8.0 | 6.6 | 8.1 | 372.0 | 180,792 | 704,376 |
| | 2/4/2019 | 8.9 | 6.2 | 7.5 | 336.0 | 151,200 | 855,576 |
| | 3/5/2019 | 6.6 | 5.5 | >10.0 | 744.0 | 446,400 | 1,301,976 |
| | 4/1/2019 | 7.5 | 5.7 | 7.4 | 540.0 | 239,760 | 1,541,736 |
| | 5/1/2019 | 8.9 | 6.9 | 8.5 | 372.0 | 189,720 | 1,731,456 |
| | 6/3/2019 | 6.0 | 6.7 | 8.4 | 360.0 | 181,440 | 1,912,896 |
| | 7/8/2019 | 7.0 | 6.8 | 8.4* | 372.0 | 187,488 | 2,100,384 |
| | 8/7/2019 | 6.2 | 7.2 | 8.4* | 372.0 | 187,488 | 2,287,872 |
| | 9/20/2019 | 8.1 | 7.5 | 3.8 | 360.0 | 81,000 | 2,368,872 |
| AS-05 | 9/26/2018 | 6.7 | 3.5 | >10.0 | 360.0 | 216,000 | 216,000 |
| | 10/2/2018 | 8.4 | 3.5 | >10.0 | 372.0 | 223,200 | 439,200 |
| | 11/7/2018 | 8.4 | 3.5 | >10.0 | 360.0 | 216,000 | 655,200 |
| | 12/5/2018 | 9.5 | 3.3 | >10.0 | 372.0 | 223,200 | 878,400 |
| | 1/3/2019 | 8.0 | 3.4 | >10.0 | 372.0 | 223,200 | 1,101,600 |
| | 2/4/2019 | 8.9 | 4.6 | >10.0 | 336.0 | 201,600 | 1,303,200 |
| | 3/5/2019 | 6.6 | 4.4 | >10.0 | 744.0 | 446,400 | 1,749,600 |
| | 4/1/2019 | 7.5 | 3.9 | 6.7 | 540.0 | 217,080 | 1,966,680 |
| | 5/1/2019 | 8.9 | 5.0 | 8.0 | 372.0 | 178,560 | 2,145,240 |
| | 6/3/2019 | 6.0 | 4.5 | 8.5 | 360.0 | 183,600 | 2,328,840 |
| | 7/8/2019 | 7.0 | 4.3 | 8.8 | 372.0 | 196,416 | 2,525,256 |
| | 8/7/2019 | 6.2 | 4.2 | 9.5 | 372.0 | 212,040 | 2,737,296 |
| | 9/20/2019 | 8.1 | 4.6 | 8.6 | 360.0 | 185,760 | 2,923,056 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-06 | 9/26/2018 | 6.7 | 7.8 | 2.0* | 360.0 | 43,200 | 43,200 |
| | 10/2/2018 | 8.4 | 7.4 | 2.0* | 372.0 | 44,640 | 87,840 |
| | 11/7/2018 | 8.4 | 7.6 | 2.0* | 360.0 | 43,200 | 131,040 |
| | 12/5/2018 | 9.5 | 7.2 | 2.0* | 372.0 | 44,640 | 175,680 |
| | 1/3/2019 | 8.0 | 7.4 | 2.0 | 372.0 | 44,640 | 220,320 |
| | 2/4/2019 | 8.9 | 7.1 | 0.8 | 336.0 | 16,128 | 236,448 |
| | 3/5/2019 | 6.6 | 6.7 | 0.5 | 744.0 | 22,320 | 258,768 |
| | 4/1/2019 | 7.5 | 6.8 | >10.0 | 540.0 | 324,000 | 582,768 |
| | 5/1/2019 | 8.9 | 7.2 | 9.0 | 372.0 | 200,880 | 783,648 |
| | 6/3/2019 | 6.0 | 7.3 | 3.0 | 360.0 | 64,800 | 848,448 |
| | 7/8/2019 | 7.0 | 7.2 | 4.3 | 372.0 | 95,976 | 944,424 |
| | 8/7/2019 | 6.2 | 7.7 | 3.0 | 372.0 | 66,960 | 1,011,384 |
| | 9/20/2019 | 8.1 | 7.5 | 5.8 | 360.0 | 124,200 | 1,135,584 |
| AS-07 | 9/26/2018 | 7.0 | 7.5 | 0.0 | 360.0 | - | - |
| | 10/2/2018 | 7.9 | 7.0 | 0.0 | 372.0 | - | - |
| | 11/7/2018 | 8.5 | 8.0 | 0.0 | 360.0 | - | - |
| | 12/5/2018 | 9.0 | 0.0 | 0.0 | 360.0 | - | - |
| | 1/3/2019 | 9.4 | 6.5 | 0.0 | 372.0 | - | - |
| | 2/4/2019 | 9.0 | 7.3 | 0.0 | 336.0 | - | - |
| | 3/5/2019 | -- | -- | -- | -- | -- | -- |
| | 4/1/2019 | 10.1* | 10.2* | 0.0* | 180.0 | - | - |
| | 5/1/2019 | 10.1 | 10.2 | 0.0 | 372.0 | - | - |
| | 6/3/2019 | 6.6 | 9.8 | 0.0 | 360.0 | - | - |
| | 7/8/2019 | 9.5 | 9.4 | 0.0 | 372.0 | - | - |
| | 8/7/2019 | 7.0 | 8.0 | 0.0 | 372.0 | - | - |
| | 9/20/2019 | 8.0 | 7.5 | 0.0 | 360.0 | - | - |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-08 | 9/26/2018 | 7.0 | 7.8 | 5.0* | 360.0 | 108,000 | 108,000 |
| | 10/2/2018 | 7.9 | 7.1 | 5.0* | 372.0 | 111,600 | 219,600 |
| | 11/7/2018 | 8.5 | 7.7 | 5.0* | 360.0 | 108,000 | 327,600 |
| | 12/5/2018 | 9.0 | 6.8 | 5.0* | 372.0 | 111,600 | 439,200 |
| | 1/3/2019 | 9.4 | 7.8 | 5.0 | 372.0 | 111,600 | 550,800 |
| | 2/4/2019 | 9.0 | 7.8 | 0.1 | 336.0 | 2,016 | 552,816 |
| | 3/5/2019 | -- | -- | -- | -- | -- | 552,816 |
| | 4/1/2019 | 10.1* | 10.0* | 5.0* | 180.0 | 54,000 | 606,816 |
| | 5/1/2019 | 10.1 | 10.0 | 5.0* | 372.0 | 111,600 | 718,416 |
| | 6/3/2019 | 6.6 | 7.5 | 5.0* | 360.0 | 108,000 | 826,416 |
| | 7/8/2019 | 9.5 | 9.2 | 5.0* | 372.0 | 111,600 | 938,016 |
| | 8/7/2019 | 7.0 | 7.9 | 5.0* | 372.0 | 111,600 | 1,049,616 |
| AS-09 | 9/26/2018 | 6.6 | 1.5 | >10.0* | 360.0 | 216,000 | 216,000 |
| | 10/2/2018 | 8.2 | 1.4 | >10.0* | 372.0 | 223,200 | 439,200 |
| | 11/7/2018 | 8.2 | 1.5 | >10.0* | 360.0 | 216,000 | 655,200 |
| | 12/5/2018 | 9.0 | 1.4 | >10.0* | 372.0 | 223,200 | 878,400 |
| | 1/3/2019 | 9.0 | 3.6 | >10.0 | 372.0 | 223,200 | 1,101,600 |
| | 2/4/2019 | 8.7 | 2.7 | >10.0 | 336.0 | 201,600 | 1,303,200 |
| | 3/5/2019 | -- | -- | -- | -- | -- | 1,303,200 |
| | 4/1/2019 | 11.0* | 2.8* | >10.0* | 180.0 | 108,000 | 1,411,200 |
| | 5/1/2019 | 11.0 | 2.8 | >10.0 | 372.0 | 223,200 | 1,634,400 |
| | 6/3/2019 | 9.0 | 2.9 | 9.1 | 360.0 | 196,560 | 1,830,960 |
| | 7/8/2019 | 9.4 | 2.7 | 8.8 | 372.0 | 196,416 | 2,027,376 |
| | 8/7/2019 | 7.0 | 2.2 | 8.2 | 372.0 | 183,024 | 2,210,400 |
| | 9/20/2019 | 9.5 | 2.1 | 3.0 | 360.0 | 64,800 | 2,275,200 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-10 | 9/26/2018 | 6.6 | 7.6 | 0.8* | 360.0 | 17,280 | 17,280 |
| | 10/2/2018 | 8.2 | 7.4 | 0.8* | 372.0 | 17,856 | 35,136 |
| | 11/7/2018 | 8.2 | 7.5 | 0.8* | 360.0 | 17,280 | 52,416 |
| | 12/5/2018 | 9.0 | 7.3 | 0.8* | 372.0 | 17,856 | 70,272 |
| | 1/3/2019 | 9.0 | 8.2 | 0.8 | 372.0 | 17,856 | 88,128 |
| | 2/4/2019 | 8.7 | 7.8 | 1.0 | 336.0 | 20,160 | 108,288 |
| | 3/5/2019 | -- | -- | -- | -- | -- | 108,288 |
| | 4/1/2019 | 11.0* | 10.1* | 3.2* | 180.0 | 34,560 | 142,848 |
| | 5/1/2019 | 11.0 | 10.1 | 3.2 | 372.0 | 71,424 | 214,272 |
| | 6/3/2019 | 9.0 | 9.8 | 3.2 | 360.0 | 69,120 | 283,392 |
| | 7/8/2019 | 9.4 | 9.0 | 4.2 | 372.0 | 93,744 | 377,136 |
| | 8/7/2019 | 7.0 | 7.5 | 7.7 | 372.0 | 171,864 | 549,000 |
| | 9/20/2019 | 9.5 | 7.8 | 10.0 | 360.0 | 216,000 | 765,000 |
| AS-11 | 9/26/2018 | 6.6 | 8.0 | 2.8* | 360.0 | 60,480 | 60,480 |
| | 10/2/2018 | 8.2 | 8.0 | 2.8* | 372.0 | 62,496 | 122,976 |
| | 11/7/2018 | 8.2 | 8.0 | 2.8* | 360.0 | 60,480 | 183,456 |
| | 12/5/2018 | 9.0 | 7.8 | 2.8* | 372.0 | 62,496 | 245,952 |
| | 1/3/2019 | 9.0 | 8.3 | 2.8 | 372.0 | 62,496 | 308,448 |
| | 2/4/2019 | 8.7 | 7.9 | 1.0 | 336.0 | 20,160 | 328,608 |
| | 3/5/2019 | -- | -- | -- | -- | -- | 328,608 |
| | 4/1/2019 | 11.0* | 10.4* | 2.8* | 180.0 | 30,240 | 358,848 |
| | 5/1/2019 | 11.0 | 10.4 | 2.8* | 372.0 | 62,496 | 421,344 |
| | 6/3/2019 | 9.0 | 10.2 | 2.8* | 360.0 | 60,480 | 481,824 |
| | 7/8/2019 | 9.4 | 9.4 | 2.8* | 372.0 | 62,496 | 544,320 |
| | 8/7/2019 | 7.0 | 8.2 | 2.8* | 372.0 | 62,496 | 606,816 |
| | 9/20/2019 | 9.5 | 8.8 | 2.0 | 360.0 | 60,480 | 667,296 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-12 | 9/26/2018 | 7.3 | 3.1 | 18.0* | 360.0 | 388,800 | 388,800 |
| | 10/2/2018 | 8.1 | 3.1 | 18.0* | 372.0 | 401,760 | 790,560 |
| | 11/7/2018 | 7.9 | 3.0 | 18.0* | 360.0 | 388,800 | 1,179,360 |
| | 12/5/2018 | 9.1 | 3.4 | 18.0* | 372.0 | 401,760 | 1,581,120 |
| | 1/3/2019 | 7.7 | 3.8 | 18.0 | 372.0 | 401,760 | 1,982,880 |
| | 2/4/2019 | 8.4 | 3.5 | 20.5 | 336.0 | 413,280 | 2,396,160 |
| | 3/5/2019 | 7.2 | 3.5 | 21.4 | 744.0 | 955,296 | 3,351,456 |
| | 4/1/2019 | 7.1 | 4.4 | 19.1 | 540.0 | 618,840 | 3,970,296 |
| | 5/1/2019 | 8.0 | 5 | 19.1* | 372.0 | 426,312 | 4,396,608 |
| | 6/3/2019 | 6.5 | 4.6 | 19.1* | 360.0 | 412,560 | 4,809,168 |
| | 7/8/2019 | 7.0 | 4.5 | 19.1* | 372.0 | 426,312 | 5,235,480 |
| | 8/7/2019 | 6.0 | 4.4 | 19.1* | 372.0 | 426,312 | 5,661,792 |
| | 9/20/2019 | 8.0 | 4.3 | 25.0 | 360.0 | 412,560 | 6,074,352 |
| AS-13 | 9/26/2018 | 7.3 | 0.6 | 17.9* | 360.0 | 386,640 | 386,640 |
| | 10/2/2018 | 8.1 | 0.5 | 17.9* | 372.0 | 399,528 | 786,168 |
| | 11/7/2018 | 7.9 | 0.2 | 17.9* | 360.0 | 386,640 | 1,172,808 |
| | 12/5/2018 | 9.1 | 0.2 | 17.9* | 372.0 | 399,528 | 1,572,336 |
| | 1/3/2019 | 7.7 | 1.2 | 17.9 | 372.0 | 399,528 | 1,971,864 |
| | 2/4/2019 | 8.4 | 0.8 | 19.5 | 336.0 | 393,120 | 2,364,984 |
| | 3/5/2019 | 7.2 | 0.8 | 16.1 | 744.0 | 718,704 | 3,083,688 |
| | 4/1/2019 | 7.1 | 2.9 | 16.1* | 540.0 | 521,640 | 3,605,328 |
| | 5/1/2019 | 8.0 | 2.8 | 25.0 | 372.0 | 558,000 | 4,163,328 |
| | 6/3/2019 | 6.5 | 2.6 | 25.0 | 360.0 | 540,000 | 4,703,328 |
| | 7/8/2019 | 7.0 | 2.6 | 25.0 | 372.0 | 558,000 | 5,261,328 |
| | 8/7/2019 | 6.0 | 2.6 | >25.0 | 372.0 | 558,000 | 5,819,328 |
| | 9/20/2019 | 8.0 | 2.45 | 25.0 | 360.0 | 540,000 | 6,359,328 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-14 | 9/26/2018 | 7.3 | 7.3 | 5.0* | 360.0 | 108,000 | 108,000 |
| | 10/2/2018 | 8.1 | 7.3 | 5.0* | 372.0 | 111,600 | 219,600 |
| | 11/7/2018 | 7.9 | 7.6 | 5.0* | 360.0 | 108,000 | 327,600 |
| | 12/5/2018 | 9.1 | 7.6 | 15.5 | 372.0 | 345,960 | 673,560 |
| | 1/3/2019 | 7.7 | 7.3 | 5.0 | 372.0 | 111,600 | 785,160 |
| | 2/4/2019 | 8.4 | 7.3 | 5.5 | 336.0 | 110,880 | 896,040 |
| | 3/5/2019 | 7.2 | 7.4 | 6.9 | 744.0 | 308,016 | 1,204,056 |
| | 4/1/2019 | 7.1 | 7.6 | 7.0 | 540.0 | 226,800 | 1,430,856 |
| | 5/1/2019 | 8.0 | 7.6 | 6.5 | 372.0 | 145,080 | 1,575,936 |
| | 6/3/2019 | 6.5 | 7.6 | 6.5 | 360.0 | 140,400 | 1,716,336 |
| | 7/8/2019 | 7.0 | 7.4 | 6.5 | 372.0 | 145,080 | 1,861,416 |
| | 8/7/2019 | 6.0 | 7.7 | 6.5 | 372.0 | 145,080 | 2,006,496 |
| | 9/20/2019 | 8.0 | 8.0 | 7.0 | 360.0 | 151,200 | 2,157,696 |
| AS-15 | 9/26/2018 | 7.0 | 4.2 | >15.0 | 360.0 | 324,000 | 324,000 |
| | 10/2/2018 | 7.9 | 3.8 | 15.0 | 372.0 | 334,800 | 658,800 |
| | 11/7/2018 | 8.2 | 3.9 | 15.0 | 360.0 | 324,000 | 982,800 |
| | 12/5/2018 | 26.5 | 4.0 | >15.0 | 372.0 | 334,800 | 1,317,600 |
| | 1/30/2019 | 26.5 | 3.4 | >15.0 | 276.0 | 248,400 | 1,566,000 |
| | 2/4/2019 | 8.8 | 3.4 | 13.4 | 336.0 | 270,144 | 1,836,144 |
| | 3/5/2019 | 0.0 | 6.4 | 4.0 | 744.0 | 178,560 | 2,014,704 |
| | 4/1/2019 | -- | -- | -- | -- | -- | 2,014,704 |
| | 5/1/2019 | -- | -- | -- | -- | -- | 2,014,704 |
| | 6/3/2019 | -- | -- | -- | -- | -- | 2,014,704 |
| | 7/8/2019 | -- | -- | -- | -- | -- | 2,014,704 |
| | 8/7/2019 | -- | -- | -- | -- | -- | 2,014,704 |
| | 9/20/2019 | -- | -- | -- | -- | -- | 2,014,704 |

TABLE 3
AIR SPARGE OPERATION AND MAINTENANCE FIELD PARAMETERS

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Well ID | Date | Manifold Pressure (psi) | Well Pressure (psi) | Flow (cfm) | Monthly Hours (hrs) | Monthly Total Flow (cf) | Total Flow (cf) (September 2018-September 2019) |
|---------|-----------|-------------------------|---------------------|------------|---------------------|-------------------------|---|
| AS-16 | 9/26/2018 | 7.0 | 4.6 | 14.9 | 360.0 | 321,840 | 321,840 |
| | 10/2/2018 | 7.9 | 4.2 | 14.5 | 372.0 | 323,640 | 645,480 |
| | 11/7/2018 | 8.2 | 4.5 | 13.0 | 360.0 | 280,800 | 926,280 |
| | 12/5/2018 | 26.5 | 5.4 | >15.0 | 372.0 | 334,800 | 1,261,080 |
| | 1/30/2019 | 26.5 | 4.7 | >15.0 | 276.0 | 248,400 | 1,509,480 |
| | 2/4/2019 | 8.8 | 4.6 | 14.0 | 336.0 | 282,240 | 1,791,720 |
| | 3/5/2019 | 0.0 | 6.7 | 1.0 | 744.0 | 44,640 | 1,836,360 |
| | 4/1/2019 | 28.1 | 7.6 | 0.0 | 540.0 | - | 1,836,360 |
| | 5/1/2019 | 8.8* | 6.8 | 4.5 | 372.0 | 100,440 | 1,936,800 |
| | 6/3/2019 | 8.8* | 7.1 | 14.0 | 360.0 | 302,400 | 2,239,200 |
| | 7/8/2019 | 8.8* | 7.2 | >15.0 | 372.0 | 334,800 | 2,574,000 |
| | 8/7/2019 | 8.8* | 7.3 | >15.0 | 372.0 | 334,800 | 2,908,800 |
| | 9/20/2019 | 8.8* | 7.5 | 5.8 | 360.0 | 124,200 | 3,033,000 |
| AS-17 | 9/26/2018 | 7.0 | 0.8 | 11.3 | 360.0 | 244,080 | 244,080 |
| | 10/2/2018 | 7.9 | 0.8 | 10.5 | 372.0 | 234,360 | 478,440 |
| | 11/7/2018 | 8.2 | 1.2 | 3.5 | 360.0 | 75,600 | 554,040 |
| | 12/5/2018 | 26.5 | 0.8 | >15 | 372.0 | 334,800 | 888,840 |
| | 1/30/2019 | 26.5 | 1.0 | >15.0 | 276.0 | 248,400 | 1,137,240 |
| | 2/4/2019 | 8.8 | 0.9 | >15.0 | 336.0 | 302,400 | 1,439,640 |
| | 3/5/2019 | 0.0 | 5.0 | 0.0 | 744.0 | - | 1,439,640 |
| | 4/1/2019 | 28.1 | 6.9 | 14.2 | 540.0 | 460,080 | 1,899,720 |
| | 5/1/2019 | 8.8* | 4.8 | 14.2* | 372.0 | 316,944 | 2,216,664 |
| | 6/3/2019 | 8.8* | 4.3 | >15.0 | 360.0 | 324,000 | 2,540,664 |
| | 7/8/2019 | 8.8* | 4.7 | >15.0 | 372.0 | 334,800 | 2,875,464 |
| | 8/7/2019 | 8.8* | 5.9 | >15.0 | 372.0 | 334,800 | 3,210,264 |
| | 9/20/2019 | 8.8* | 7.5 | 8.5 | 360.0 | 324,000 | 3,534,264 |

Notes:

cf - cubic feet

cfm - cubic feet per minute

psi - pounds per square inch

* - values estimated

-- system not operational

- not applicable



TABLE 4
AIR EMISSIONS ESTIMATE

K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

| Sample Laboratory Results | | |
|---------------------------|-----------|----------------|
| Sample ID | Date | TVPH (ug/l) |
| MW-32 | 11/8/2018 | 72 |
| | 2/5/2019 | 110 |
| | 5/2/2019 | ND |
| | 7/8/2019 | 47 |
| MW-39 | 2/5/2019 | 22 |
| | 5/2/2019 | ND |
| | 7/8/2019 | 33 |
| MW-17 | 2/5/2019 | 26 |
| | 5/2/2019 | 180 |
| | 7/8/2019 | 720 |

| Quarterly Emission Calculations January 1, 2019 to September 30, 2019 | | | |
|--|---|--------------------------|-------------------------|
| Total Air Sparge Flow* (cf) | Average TVPH Concentration (ug/l) | Total TVPH** (lbs) | Total TVPH (tons) |
| 26,031,312 | 126 | 205 | 0.10 |

| Total Emission Calculations September 1, 2018 to September 30, 2019 | | | |
|--|---|--------------------------|-------------------------|
| Total Air Sparge Flow* (cf) | Average TVPH Concentration (ug/l) | Total TVPH** (lbs) | Total TVPH (tons) |
| 37,825,128 | 121 | 285 | 0.14 |

NOTES:

ND - analyte not detected

cf - cubic feet

ug/l - micrograms per liter

TVPH - total volatile petroleum hydrocarbons

cfm - cubic feet per minute

lbs - pounds

*Total Air Sparge Flow is from Operation and Maintenance Field Parameters (Table 3)

**Total TVPH is total air sparge flow multiplied by the average TVPH concentration

TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED OXYGEN DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| Well ID | Date | D.O. (mg/L) |
|---------|----------|----------------|
| MW-01 | 7/2/2019 | NM |
| MW-02 | 7/2/2019 | 2.76 |
| MW-03 | 7/2/2019 | 0.14 |
| MW-04 | 7/2/2019 | 0.71 |
| MW-05 | 7/2/2019 | 0.26 |
| MW-06 | 7/2/2019 | NM |
| MW-07 | 7/2/2019 | 4.01 |
| MW-08 | 7/2/2019 | NM |
| MW-09 | 7/2/2019 | 0.45 |
| MW-10 | 7/2/2019 | 2.84 |
| MW-11 | 7/2/2019 | 0.57 |
| MW-12 | 7/2/2019 | 0.24 |
| MW-13 | 7/2/2019 | 4.65 |
| MW-14 | 7/2/2019 | 0.63 |
| MW-15 | 7/2/2019 | 0.11 |
| MW-16 | 7/2/2019 | 0.15 |
| MW-17 | 7/2/2019 | 1.03 |
| MW-18 | 7/2/2019 | 3.78 |
| MW-19 | 7/2/2019 | 2.50 |
| MW-20 | 7/2/2019 | 0.49 |
| MW-21 | 7/2/2019 | 0.24 |
| MW-22 | 7/2/2019 | 0.60 |
| MW-23 | 7/2/2019 | 1.49 |
| MW-24 | 7/2/2019 | 0.72 |
| MW-25 | 7/2/2019 | NM |
| MW-26 | 7/2/2019 | 4.45 |
| MW-27 | 7/2/2019 | ND |
| MW-28 | 7/2/2019 | NM |
| MW-29 | 7/2/2019 | 0.06 |
| MW-30 | 7/2/2019 | 0.36 |
| MW-32 | 7/2/2019 | 6.74 |
| MW-33 | 7/2/2019 | 0.23 |
| MW-34 | 7/2/2019 | 1.00 |



TABLE 5
SUMMARY OF GROUNDWATER DISSOLVED OXYGEN DATA

**K35 CDP PIPELINE RELEASE
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC**

| | | |
|-------|----------|------|
| MW-35 | 7/2/2019 | 2.43 |
| MW-36 | 7/2/2019 | 3.79 |
| MW-37 | 7/2/2019 | 4.19 |
| MW-38 | 7/2/2019 | 0.42 |
| MW-39 | 7/2/2019 | 1.28 |
| MW-40 | 7/2/2019 | 6.31 |
| MW-41 | 7/2/2019 | 0.23 |
| MW-42 | 7/2/2019 | 1.38 |
| MW-43 | 7/2/2019 | 3.23 |
| MW-44 | 7/2/2019 | 4.67 |
| MW-45 | 7/2/2019 | 4.03 |
| MW-46 | 7/2/2019 | 1.14 |

Notes:

NM - Not measured due to LNAPL detected
in well

ND - Insufficient groundwater in well

D.O. - Dissolved oxygen

mg/L - Milligrams per liter



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

July 16, 2019

Brett Middleton
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

RE: K35 CDP Pipeline Release

Dear Brett:

Enclosed are the results of the samples submitted to our laboratory on July 9, 2019. For your reference, these analyses have been assigned our service request number P1904012.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental


By Sue Anderson at 6:02 pm, Jul 16, 2019

Sue Anderson
Project Manager



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release

Service Request No: P1904012

CASE NARRATIVE

The samples were received intact under chain of custody on July 9, 2019 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Total Petroleum Hydrocarbons as Gasoline Analysis

The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline per modified EPA Method TO-3 using a gas chromatograph equipped with a flame ionization detector (FID). This procedure is described in laboratory SOP VOA-TPHG_TO3. This method is included on the laboratory's DoD-ELAP scope of accreditation, however it is not part of the NELAP accreditation.

Manual integration of the chromatographic range in samples with a reported concentration was required to correct the integration performed by the automated data processing program. The raw data states the rationale for the manual integration.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|--|---|----------------------------|
| Alaska DEC | http://dec.alaska.gov/eh/lab.aspx | 17-019 |
| Arizona DHS | http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home | AZ0694 |
| Florida DOH (NELAP) | http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html | E871020 |
| Louisiana DEQ (NELAP) | http://www.deq.louisiana.gov/page/la-lab-accreditation | 05071 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml | 2018027 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 1521096 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/enforcement/oqa.html | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | 4068-006 |
| Pennsylvania DEP | http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx | 68-03307 (Registration) |
| PJLA (DoD ELAP) | http://www.pjlabs.com/search-accredited-labs | 65818 (Testing) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html | T104704413-19-10 |
| Utah DOH (NELAP) | http://health.utah.gov/lab/lab_cert_env | CA01627201 9-10 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |
| Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com , or at the accreditation body's website. | | |
| Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification. | | |

ALS ENVIRONMENTAL**DETAIL SUMMARY REPORT**

Client: Caerus Oil and Gas LLC
Project ID: K35 CDP Pipeline Release

Service Request: P1904012

Date Received: 7/9/2019
Time Received: 09:15

TO-3 Modified - TPHG Bag

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | |
|--------------------------|--------------|--------|----------------|----------------|---|
| 20190708-K35 CDP (MW-17) | P1904012-001 | Air | 7/8/2019 | 11:00 | X |
| 20190708-K35 CDP (MW-39) | P1904012-002 | Air | 7/8/2019 | 11:30 | X |
| 20190708-K35 CDP (MW-32) | P1904012-003 | Air | 7/8/2019 | 11:45 | X |



ALS Laboratory Group

CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.

Simi Valley

CLIENT GOALS AND METHODS IN EDUCATION

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email:

**ALS Environmental
Sample Acceptance Check Form**

Client: Caerus Oil and Gas LLC

Work order: P1904012

Project: K35 CDP Pipeline Release

Sample(s) received on: 7/9/19

Sample(s) received on: 7/9/19

Date opened: 7/9/19

by: DENISE.POSADA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

| | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|----|---|-------------------------------------|--------------------------|-------------------------------------|
| 1 | Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 | Were custody seals on outside of cooler/Box/Container? Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 | Do containers have appropriate preservation , according to method/SOP or Client specified information? Is there a client indication that the submitted samples are pH preserved? Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 | Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 | Badges: Are the badges properly capped and intact? Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Explain any discrepancies: (include lab sample ID numbers):

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Caerus Oil and Gas LLC
Client Project ID: K35 CDP Pipeline Release

ALS Project ID: P1904012

Total Petroleum Hydrocarbons (TPH) as Gasoline

Test Code: EPA TO-3 Modified
Instrument ID: HP 5890 II/GC21/FID
Analyst: Wade Henton/Gilbert Gutierrez
Sampling Media: 1.0 L Tedlar Bag(s)
Test Notes:

Date(s) Collected: 7/8/19
Date Received: 7/9/19
Date Analyzed: 7/9/19

| Client Sample ID | ALS Sample ID | Injection Volume ml(s) | Result | | MRL mg/m ³ | Result ppmV | MRL ppmV | Data Qualifier |
|--------------------------|---------------|---------------------------|-------------------|------|--------------------------|----------------|-------------|----------------|
| | | | mg/m ³ | ppmV | | | | |
| 20190708-K35 CDP (MW-17) | P1904012-001 | 1.0 | 720 | 18 | 200 | 5.1 | | |
| 20190708-K35 CDP (MW-39) | P1904012-002 | 1.0 | 33 | 18 | 9.3 | 5.1 | | |
| 20190708-K35 CDP (MW-32) | P1904012-003 | 1.0 | 47 | 18 | 13 | 5.1 | | |
| Method Blank | P190709-MB | 1.0 | ND | 18 | ND | 5.1 | | |

Parts Per Million results are based on a Molecular Weight of 86.18.

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Caerus Oil and Gas LLC

Client Sample ID: Lab Control Sample

Client Project ID: K35 CDP Pipeline Release

ALS Project ID: P1904012

ALS Sample ID: P190709-LCS

Test Code: EPA TO-3 Modified

Instrument ID: HP 5890 II/GC21/FID

Analyst: Wade Henton/Gilbert Gutierrez

Sampling Media: 1.0 L Tedlar Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date Analyzed: 7/9/19

Volume(s) Analyzed: NA ml(s)

| Compound | Spike Amount mg/m ³ | Result mg/m ³ | % Recovery | ALS Acceptance Limits | Data Qualifier |
|-----------------|-----------------------------------|-----------------------------|------------|-----------------------------|-------------------|
| TPH as Gasoline | 7,060 | 7,610 | 108 | 86-117 | |



25-Sep-2019

Brett Middleton
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

Re: **K35 CDP Pipeline Release**

Work Order: **19091229**

Dear Brett,

ALS Environmental received 3 samples on 18-Sep-2019 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 10.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: **19091229**

Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|--------------------|--------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 19091229-01 | 20190917-K35 CDP (MW-36) | Groundwater | | 9/17/2019 14:15 | 9/18/2019 10:00 | <input type="checkbox"/> |
| 19091229-02 | 20190917-K35 CDP (MW-10) | Groundwater | | 9/17/2019 15:15 | 9/18/2019 10:00 | <input type="checkbox"/> |
| 19091229-03 | 20190917-K35 CDP (MW-21) | Groundwater | | 9/17/2019 15:45 | 9/18/2019 10:00 | <input type="checkbox"/> |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
WorkOrder: 19091229

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|---------------------------|
| µg/L | Micrograms per Liter |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190917-K35 CDP (MW-36)
Collection Date: 9/17/2019 02:15 PM

Work Order: 19091229
Lab ID: 19091229-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/25/2019 10:38 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 99.6 | | 75-120 | %REC | 1 | 9/25/2019 10:38 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 99.4 | | 80-110 | %REC | 1 | 9/25/2019 10:38 AM |
| <i>Surr: Dibromofluoromethane</i> | 94.4 | | 85-115 | %REC | 1 | 9/25/2019 10:38 AM |
| <i>Surr: Toluene-d8</i> | 97.1 | | 85-110 | %REC | 1 | 9/25/2019 10:38 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190917-K35 CDP (MW-10)
Collection Date: 9/17/2019 03:15 PM

Work Order: 19091229
Lab ID: 19091229-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/25/2019 11:00 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 102 | | 75-120 | %REC | 1 | 9/25/2019 11:00 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 98.8 | | 80-110 | %REC | 1 | 9/25/2019 11:00 AM |
| <i>Surr: Dibromofluoromethane</i> | 95.9 | | 85-115 | %REC | 1 | 9/25/2019 11:00 AM |
| <i>Surr: Toluene-d8</i> | 96.9 | | 85-110 | %REC | 1 | 9/25/2019 11:00 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190917-K35 CDP (MW-21)
Collection Date: 9/17/2019 03:45 PM

Work Order: 19091229
Lab ID: 19091229-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 0.49 | J | 1.0 | µg/L | 1 | Analyst: BCM 9/25/2019 11:23 AM |
| Ethylbenzene | 1.7 | | 1.0 | µg/L | 1 | 9/25/2019 11:23 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/25/2019 11:23 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:23 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/25/2019 11:23 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/25/2019 11:23 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 75-120 | %REC | 1 | 9/25/2019 11:23 AM |
| Surr: 4-Bromofluorobenzene | 99.7 | | 80-110 | %REC | 1 | 9/25/2019 11:23 AM |
| Surr: Dibromofluoromethane | 94.3 | | 85-115 | %REC | 1 | 9/25/2019 11:23 AM |
| Surr: Toluene-d8 | 98.3 | | 85-110 | %REC | 1 | 9/25/2019 11:23 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Work Order: 19091229
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271316A Instrument ID VMS11 Method: SW8260C

| MBLK | | Sample ID: VBLKW2-190924-R271316A | | Units: µg/L | | Analysis Date: 9/25/2019 03:40 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS11_190924B | | SeqNo: 5944108 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | U | | 1.0 | | | | | |
| Ethylbenzene | U | | 1.0 | | | | | |
| m,p-Xylene | U | | 2.0 | | | | | |
| o-Xylene | U | | 1.0 | | | | | |
| Toluene | 0.48 | | 1.0 | | | | | J |
| Xylenes, Total | U | | 3.0 | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.47 | 0 | 20 | 0 | 102 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 20.01 | 0 | 20 | 0 | 100 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 19.43 | 0 | 20 | 0 | 97.2 | 85-115 | 0 | |
| Surr: Toluene-d8 | 19.83 | 0 | 20 | 0 | 99.2 | 85-110 | 0 | |

| LCS | | Sample ID: VLCSW2-190924-R271316A | | Units: µg/L | | Analysis Date: 9/25/2019 02:35 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS11_190924B | | SeqNo: 5944107 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | 18.13 | 1.0 | 20 | 0 | 90.6 | 70-130 | 0 | |
| Ethylbenzene | 18.59 | 1.0 | 20 | 0 | 93 | 76-123 | 0 | |
| m,p-Xylene | 37.65 | 2.0 | 40 | 0 | 94.1 | 75-130 | 0 | |
| o-Xylene | 18.82 | 1.0 | 20 | 0 | 94.1 | 76-127 | 0 | |
| Toluene | 17.4 | 1.0 | 20 | 0 | 87 | 76-125 | 0 | |
| Xylenes, Total | 56.47 | 3.0 | 60 | 0 | 94.1 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 20.27 | 0 | 20 | 0 | 101 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 20.54 | 0 | 20 | 0 | 103 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 21.21 | 0 | 20 | 0 | 106 | 85-115 | 0 | |
| Surr: Toluene-d8 | 19.95 | 0 | 20 | 0 | 99.8 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091229
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271316A** Instrument ID **VMS11** Method: **SW8260C**

| MS | | Sample ID: 19091240-01A MS | | | Units: µg/L | | Analysis Date: 9/25/2019 11:45 AM | | | |
|------------------------------------|--------|-----------------------------------|---------|---------------|-----------------------|---------------|--|------|----------------|------|
| Client ID: | | Run ID: VMS11_190924B | | | SeqNo: 5944119 | | Prep Date: | | DF: 500 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 13100 | 500 | 10000 | 3445 | 96.6 | 70-130 | | 0 | | |
| Ethylbenzene | 9690 | 500 | 10000 | 325 | 93.6 | 76-123 | | 0 | | |
| m,p-Xylene | 24610 | 1,000 | 20000 | 5105 | 97.5 | 75-130 | | 0 | | |
| o-Xylene | 10300 | 500 | 10000 | 975 | 93.2 | 76-127 | | 0 | | |
| Toluene | 17530 | 500 | 10000 | 8075 | 94.6 | 76-125 | | 0 | | |
| Xylenes, Total | 34900 | 1,500 | 30000 | 6080 | 96.1 | 76-127 | | 0 | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 10190 | 0 | 10000 | 0 | 102 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 10120 | 0 | 10000 | 0 | 101 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 10270 | 0 | 10000 | 0 | 103 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 9905 | 0 | 10000 | 0 | 99 | 85-110 | | 0 | | |

| MSD | | Sample ID: 19091240-01A MSD | | | Units: µg/L | | Analysis Date: 9/25/2019 12:07 PM | | | |
|------------------------------------|--------|------------------------------------|---------|---------------|-----------------------|---------------|--|-------|----------------|------|
| Client ID: | | Run ID: VMS11_190924B | | | SeqNo: 5944120 | | Prep Date: | | DF: 500 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 13540 | 500 | 10000 | 3445 | 101 | 70-130 | 13100 | 3.23 | 30 | |
| Ethylbenzene | 10160 | 500 | 10000 | 325 | 98.4 | 76-123 | 9690 | 4.74 | 30 | |
| m,p-Xylene | 25600 | 1,000 | 20000 | 5105 | 102 | 75-130 | 24610 | 3.96 | 30 | |
| o-Xylene | 10800 | 500 | 10000 | 975 | 98.2 | 76-127 | 10300 | 4.79 | 30 | |
| Toluene | 18060 | 500 | 10000 | 8075 | 99.8 | 76-125 | 17530 | 2.98 | 30 | |
| Xylenes, Total | 36400 | 1,500 | 30000 | 6080 | 101 | 76-127 | 34900 | 4.21 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 9910 | 0 | 10000 | 0 | 99.1 | 75-120 | 10190 | 2.79 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 10040 | 0 | 10000 | 0 | 100 | 80-110 | 10120 | 0.794 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 10440 | 0 | 10000 | 0 | 104 | 85-115 | 10270 | 1.69 | 30 | |
| <i>Surr: Toluene-d8</i> | 9670 | 0 | 10000 | 0 | 96.7 | 85-110 | 9905 | 2.4 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 19091229-01A | 19091229-02A | 19091229-03A |
|--------------|--------------|--------------|

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



19091229

Page 1 of 1

| CLIENT CONTACT AND REPORTING INFORMATION | | INVOICE ADDRESS (If other than reporting address) | | | ANALYSIS REQUIRED (suite codes must be listed to attract suite prices) | | | | | | | | |
|---|---|--|-----------------------------|---|--|-----------------------|------------------------------|-----|---------------|-------------------|----|---------------|--------------|
| Company Name: | Ceerus Oil and Gas LLC | Company Name: | Same | | TPH- GRO/DRO | BTEX | TABLE 910- PAH's | SAR | EC | TABLE 910- Metals | pH | Major Cations | Major anions |
| Project Manager: | Brett Middleton | Contact Name: | Same | | | | | | | | | | |
| Address: | 143 Diamond Avenue Parachute, CO 81635 | Address: | Same | | | | | | | | | | |
| Phone: | 970-285-9606 | | | | | | | | | | | | |
| Email 1: | bmiddleton@caerusoilandgas.com | Project ID: | K35 CDP Pipeline Release | | | | | | | | | | |
| Email 2: | jianicek@caerusoilandgas.com | Site: | | | | | | | | | | | |
| | | PO No: | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Regular (default) | 5 Day Standard TAT | ALS Quote No: | | | | | | | | | | | |
| <input type="checkbox"/> Express | (Please specify date required _____) (express fee will apply) | | | | | | | | | | | | |
| ALS ID # | SAMPLE IDENTIFICATION (this description will appear on report) | MATRIX (a) | SAMPLING AND CONTAINER INFO | | | REMARKS | CROSS THE REQUESTED ANALYSIS | | | | | | |
| | 20190917 - K35 CDP (MW-3a) | GW | Date | Time | Tot Bottles | | | | | | | | |
| | 20190917 - K35 CDP (MW-10) | | | 1515 | | | | | | | | | |
| | 20190917 - K35 CDP (MW-21) | ↓ | ↓ | 1545 | ↓ | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| CLIENT SIGNATURES | | For lab use only | | | | | | | | | | | |
| Client's Signature: | | Cooler Security Seal | | Sample Temp | 34°C deg C | No of Cooler Received | Received by (lab) | | Date and Time | | | | |
| | | <input type="checkbox"/> sealed <input type="checkbox"/> broken <input type="checkbox"/> not available | | <input checked="" type="checkbox"/> chilled <input type="checkbox"/> ambient | SPU | carton / cooler box | | | | | | | |
| Client's Date and Time of Completion: 9/17/19 1400 | | | | | | Courier Name | Committed by | | Date and Time | | | | |

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

Sample Receipt ChecklistClient Name: **CAERUS**Date/Time Received: **18-Sep-19 10:00**Work Order: **19091229**Received by: **MJG**Checklist completed by *Matthew Gaylord*
eSignature

18-Sep-19

Date

Reviewed by: *Chad Whetton*
eSignature

19-Sep-19

Date

Matrices: **Groundwater**Carrier name: **FedEx**

| | | | |
|---|--|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>3.8/3.8C</u> <input type="checkbox"/> <u>SR2</u> <input type="checkbox"/> | | |
| Cooler(s)/Kit(s): | <input type="checkbox"/> | | |
| Date/Time sample(s) sent to storage: | <u>9/18/2019 4:10:30 PM</u> <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted by: | <input type="checkbox"/> | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



30-Sep-2019

Brett Middleton
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

Re: **K35 CDP Pipeline Release**

Work Order: **19091499**

Dear Brett,

ALS Environmental received 13 samples on 21-Sep-2019 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 24.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: 19091499

Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|--------------------|--------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 19091499-01 | 20190918-K35 CDP (MW-13) | Groundwater | | 9/18/2019 11:15 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-02 | 20190918-K35 CDP (MW-20) | Groundwater | | 9/18/2019 11:30 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-03 | 20190918-K35 CDP (MW-16) | Groundwater | | 9/18/2019 12:15 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-04 | 20190918-K35 CDP (MW-03) | Groundwater | | 9/18/2019 12:00 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-05 | 20190918-K35 CDP (MW-07) | Groundwater | | 9/18/2019 12:45 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-06 | 20190918-K35 CDP (MW-17) | Groundwater | | 9/18/2019 13:15 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-07 | 20190918-K35 CDP (MW-19) | Groundwater | | 9/18/2019 13:05 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-08 | 20190918-K35 CDP (MW-22) | Groundwater | | 9/18/2019 14:20 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-09 | 20190918-K35 CDP (MW-18) | Groundwater | | 9/19/2019 14:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-10 | 20190918-K35 CDP (MW-04) | Groundwater | | 9/19/2019 15:15 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-11 | 20190918-K35 CDP (MW-39) | Groundwater | | 9/19/2019 15:25 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-12 | 20190918-K35 CDP (MW-05) | Groundwater | | 9/19/2019 15:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091499-13 | 20190918-K35 CDP (MW-14) | Groundwater | | 9/18/2019 16:00 | 9/21/2019 10:00 | <input type="checkbox"/> |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: 19091499

Case Narrative

Batch R271633A, Method VOC_8260_W, Sample 19091499-02A: Surrogate recoveries high due to matrix interference.

Batch R271633A, Method VOC_8260_W, Sample 19091499-10A: Surrogate recovery high due to matrix interference.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
WorkOrder: 19091499

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|---------------------------|
| µg/L | Micrograms per Liter |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-13)
Collection Date: 9/18/2019 11:15 AM

Work Order: 19091499
Lab ID: 19091499-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 05:17 AM |
| Surr: 1,2-Dichloroethane-d4 | 99.8 | | 75-120 | %REC | 1 | 9/27/2019 05:17 AM |
| Surr: 4-Bromofluorobenzene | 94.5 | | 80-110 | %REC | 1 | 9/27/2019 05:17 AM |
| Surr: Dibromofluoromethane | 94.4 | | 85-115 | %REC | 1 | 9/27/2019 05:17 AM |
| Surr: Toluene-d8 | 97.3 | | 85-110 | %REC | 1 | 9/27/2019 05:17 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-20)
Collection Date: 9/18/2019 11:30 AM

Work Order: 19091499
Lab ID: 19091499-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 130 | | 10 | µg/L | 10 | 9/27/2019 05:33 AM |
| Ethylbenzene | 94 | | 1.0 | µg/L | 1 | 9/27/2019 08:12 PM |
| m,p-Xylene | 310 | | 20 | µg/L | 10 | 9/27/2019 05:33 AM |
| o-Xylene | 3.7 | | 1.0 | µg/L | 1 | 9/27/2019 08:12 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:12 PM |
| Xylenes, Total | 320 | | 30 | µg/L | 10 | 9/27/2019 05:33 AM |
| Surr: 1,2-Dichloroethane-d4 | 99.8 | | 75-120 | %REC | 10 | 9/27/2019 05:33 AM |
| Surr: 1,2-Dichloroethane-d4 | 97.1 | | 75-120 | %REC | 1 | 9/27/2019 08:12 PM |
| Surr: 4-Bromofluorobenzene | 98.8 | | 80-110 | %REC | 10 | 9/27/2019 05:33 AM |
| Surr: 4-Bromofluorobenzene | 113 | S | 80-110 | %REC | 1 | 9/27/2019 08:12 PM |
| Surr: Dibromofluoromethane | 100 | | 85-115 | %REC | 10 | 9/27/2019 05:33 AM |
| Surr: Dibromofluoromethane | 105 | | 85-115 | %REC | 1 | 9/27/2019 08:12 PM |
| Surr: Toluene-d8 | 102 | | 85-110 | %REC | 10 | 9/27/2019 05:33 AM |
| Surr: Toluene-d8 | 145 | S | 85-110 | %REC | 1 | 9/27/2019 08:12 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-16)
Collection Date: 9/18/2019 12:15 PM

Work Order: 19091499
Lab ID: 19091499-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 810 | | 25 | µg/L | 25 | 9/27/2019 05:49 AM |
| Ethylbenzene | 380 | | 25 | µg/L | 25 | 9/27/2019 05:49 AM |
| m,p-Xylene | 2,500 | | 50 | µg/L | 25 | 9/27/2019 05:49 AM |
| o-Xylene | 160 | | 25 | µg/L | 25 | 9/27/2019 05:49 AM |
| Toluene | 290 | | 25 | µg/L | 25 | 9/27/2019 05:49 AM |
| Xylenes, Total | 2,700 | | 75 | µg/L | 25 | 9/27/2019 05:49 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 75-120 | %REC | 25 | 9/27/2019 05:49 AM |
| Surr: 4-Bromofluorobenzene | 95.4 | | 80-110 | %REC | 25 | 9/27/2019 05:49 AM |
| Surr: Dibromofluoromethane | 102 | | 85-115 | %REC | 25 | 9/27/2019 05:49 AM |
| Surr: Toluene-d8 | 98.6 | | 85-110 | %REC | 25 | 9/27/2019 05:49 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-03)
Collection Date: 9/18/2019 12:00 PM

Work Order: 19091499
Lab ID: 19091499-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 2,600 | | 50 | µg/L | 50 | 9/27/2019 06:04 AM |
| Ethylbenzene | 230 | | 50 | µg/L | 50 | 9/27/2019 06:04 AM |
| m,p-Xylene | 2,300 | | 100 | µg/L | 50 | 9/27/2019 06:04 AM |
| o-Xylene | 290 | | 50 | µg/L | 50 | 9/27/2019 06:04 AM |
| Toluene | 690 | | 50 | µg/L | 50 | 9/27/2019 06:04 AM |
| Xylenes, Total | 2,600 | | 150 | µg/L | 50 | 9/27/2019 06:04 AM |
| Surr: 1,2-Dichloroethane-d4 | 100 | | 75-120 | %REC | 50 | 9/27/2019 06:04 AM |
| Surr: 4-Bromofluorobenzene | 96.6 | | 80-110 | %REC | 50 | 9/27/2019 06:04 AM |
| Surr: Dibromofluoromethane | 101 | | 85-115 | %REC | 50 | 9/27/2019 06:04 AM |
| Surr: Toluene-d8 | 102 | | 85-110 | %REC | 50 | 9/27/2019 06:04 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-07)
Collection Date: 9/18/2019 12:45 PM

Work Order: 19091499
Lab ID: 19091499-05
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|---|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 18 | | 1.0 | µg/L | 1 | Analyst: BCM 9/27/2019 06:20 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:20 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 06:20 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:20 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:20 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 06:20 AM |
| Surr: 1,2-Dichloroethane-d4 | 101 | | 75-120 | %REC | 1 | 9/27/2019 06:20 AM |
| Surr: 4-Bromofluorobenzene | 94.1 | | 80-110 | %REC | 1 | 9/27/2019 06:20 AM |
| Surr: Dibromofluoromethane | 97.2 | | 85-115 | %REC | 1 | 9/27/2019 06:20 AM |
| Surr: Toluene-d8 | 97.3 | | 85-110 | %REC | 1 | 9/27/2019 06:20 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-17)
Collection Date: 9/18/2019 01:15 PM

Work Order: 19091499
Lab ID: 19091499-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 43 | | 1.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| Ethylbenzene | 20 | | 1.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| m,p-Xylene | 59 | | 2.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| Xylenes, Total | 59 | | 3.0 | µg/L | 1 | 9/27/2019 10:43 PM |
| Surr: 1,2-Dichloroethane-d4 | 102 | | 75-120 | %REC | 1 | 9/27/2019 10:43 PM |
| Surr: 4-Bromofluorobenzene | 99.9 | | 80-110 | %REC | 1 | 9/27/2019 10:43 PM |
| Surr: Dibromofluoromethane | 102 | | 85-115 | %REC | 1 | 9/27/2019 10:43 PM |
| Surr: Toluene-d8 | 95.5 | | 85-110 | %REC | 1 | 9/27/2019 10:43 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-19)
Collection Date: 9/18/2019 01:05 PM

Work Order: 19091499
Lab ID: 19091499-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-------------|------|--------------|-------------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 10 | | 1.0 | µg/L | 1 | Analyst: BCM 9/27/2019 06:52 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:52 AM |
| m,p-Xylene | 0.98 | J | 2.0 | µg/L | 1 | 9/27/2019 06:52 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:52 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:52 AM |
| Xylenes, Total | 0.98 | J | 3.0 | µg/L | 1 | 9/27/2019 06:52 AM |
| Surr: 1,2-Dichloroethane-d4 | 100 | | 75-120 | %REC | 1 | 9/27/2019 06:52 AM |
| Surr: 4-Bromofluorobenzene | 94.6 | | 80-110 | %REC | 1 | 9/27/2019 06:52 AM |
| Surr: Dibromofluoromethane | 98.8 | | 85-115 | %REC | 1 | 9/27/2019 06:52 AM |
| Surr: Toluene-d8 | 99.4 | | 85-110 | %REC | 1 | 9/27/2019 06:52 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-22)
Collection Date: 9/18/2019 02:20 PM

Work Order: 19091499
Lab ID: 19091499-08
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 78 | | 5.0 | µg/L | 5 | 9/27/2019 08:29 PM |
| Ethylbenzene | 90 | | 5.0 | µg/L | 5 | 9/27/2019 08:29 PM |
| m,p-Xylene | 140 | | 10 | µg/L | 5 | 9/27/2019 08:29 PM |
| o-Xylene | 1.6 | J | 5.0 | µg/L | 5 | 9/27/2019 08:29 PM |
| Toluene | U | | 5.0 | µg/L | 5 | 9/27/2019 08:29 PM |
| Xylenes, Total | 140 | | 15 | µg/L | 5 | 9/27/2019 08:29 PM |
| Surr: 1,2-Dichloroethane-d4 | 99.6 | | 75-120 | %REC | 5 | 9/27/2019 08:29 PM |
| Surr: 4-Bromofluorobenzene | 100 | | 80-110 | %REC | 5 | 9/27/2019 08:29 PM |
| Surr: Dibromofluoromethane | 102 | | 85-115 | %REC | 5 | 9/27/2019 08:29 PM |
| Surr: Toluene-d8 | 99.8 | | 85-110 | %REC | 5 | 9/27/2019 08:29 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-18)
Collection Date: 9/19/2019 02:40 PM

Work Order: 19091499
Lab ID: 19091499-09
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 07:24 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 98.8 | | 75-120 | %REC | 1 | 9/27/2019 07:24 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 97.2 | | 80-110 | %REC | 1 | 9/27/2019 07:24 AM |
| <i>Surr: Dibromofluoromethane</i> | 99.4 | | 85-115 | %REC | 1 | 9/27/2019 07:24 AM |
| <i>Surr: Toluene-d8</i> | 99.2 | | 85-110 | %REC | 1 | 9/27/2019 07:24 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-04)
Collection Date: 9/19/2019 03:15 PM

Work Order: 19091499
Lab ID: 19091499-10
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|------------|------|--------------|-------------|-----------------|---|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 6.3 | | 2.0 | µg/L | 2 | Analyst: SJB 9/27/2019 08:46 PM |
| Ethylbenzene | 20 | | 2.0 | µg/L | 2 | 9/27/2019 08:46 PM |
| m,p-Xylene | 210 | | 4.0 | µg/L | 2 | 9/27/2019 08:46 PM |
| o-Xylene | 9.0 | | 2.0 | µg/L | 2 | 9/27/2019 08:46 PM |
| Toluene | U | | 2.0 | µg/L | 2 | 9/27/2019 08:46 PM |
| Xylenes, Total | 220 | | 6.0 | µg/L | 2 | 9/27/2019 08:46 PM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 101 | | 75-120 | %REC | 2 | 9/27/2019 08:46 PM |
| <i>Surr: 4-Bromofluorobenzene</i> | 101 | | 80-110 | %REC | 2 | 9/27/2019 08:46 PM |
| <i>Surr: Dibromofluoromethane</i> | 101 | | 85-115 | %REC | 2 | 9/27/2019 08:46 PM |
| <i>Surr: Toluene-d8</i> | 118 | S | 85-110 | %REC | 2 | 9/27/2019 08:46 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-39)
Collection Date: 9/19/2019 03:25 PM

Work Order: 19091499
Lab ID: 19091499-11
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 3.4 | | 1.0 | µg/L | 1 | Analyst: BCM 9/27/2019 07:55 AM |
| Ethylbenzene | 0.59 | J | 1.0 | µg/L | 1 | 9/27/2019 07:55 AM |
| m,p-Xylene | 11 | | 2.0 | µg/L | 1 | 9/27/2019 07:55 AM |
| o-Xylene | 1.4 | | 1.0 | µg/L | 1 | 9/27/2019 07:55 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:55 AM |
| Xylenes, Total | 12 | | 3.0 | µg/L | 1 | 9/27/2019 07:55 AM |
| Surr: 1,2-Dichloroethane-d4 | 102 | | 75-120 | %REC | 1 | 9/27/2019 07:55 AM |
| Surr: 4-Bromofluorobenzene | 104 | | 80-110 | %REC | 1 | 9/27/2019 07:55 AM |
| Surr: Dibromofluoromethane | 98.8 | | 85-115 | %REC | 1 | 9/27/2019 07:55 AM |
| Surr: Toluene-d8 | 101 | | 85-110 | %REC | 1 | 9/27/2019 07:55 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-05)
Collection Date: 9/19/2019 03:40 PM

Work Order: 19091499
Lab ID: 19091499-12
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 34 | | 5.0 | µg/L | 5 | 9/27/2019 08:11 AM |
| Ethylbenzene | 58 | | 5.0 | µg/L | 5 | 9/27/2019 08:11 AM |
| m,p-Xylene | 460 | | 10 | µg/L | 5 | 9/27/2019 08:11 AM |
| o-Xylene | 26 | | 5.0 | µg/L | 5 | 9/27/2019 08:11 AM |
| Toluene | 120 | | 5.0 | µg/L | 5 | 9/27/2019 08:11 AM |
| Xylenes, Total | 490 | | 15 | µg/L | 5 | 9/27/2019 08:11 AM |
| Surr: 1,2-Dichloroethane-d4 | 100 | | 75-120 | %REC | 5 | 9/27/2019 08:11 AM |
| Surr: 4-Bromofluorobenzene | 99.4 | | 80-110 | %REC | 5 | 9/27/2019 08:11 AM |
| Surr: Dibromofluoromethane | 98.7 | | 85-115 | %REC | 5 | 9/27/2019 08:11 AM |
| Surr: Toluene-d8 | 101 | | 85-110 | %REC | 5 | 9/27/2019 08:11 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190918-K35 CDP (MW-14)
Collection Date: 9/18/2019 04:00 PM

Work Order: 19091499
Lab ID: 19091499-13
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------|-------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 3.9 | | 1.0 | µg/L | 1 | Analyst: BCM 9/27/2019 08:27 AM |
| Ethylbenzene | 2.0 | | 1.0 | µg/L | 1 | 9/27/2019 08:27 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 08:27 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:27 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:27 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 08:27 AM |
| Surr: 1,2-Dichloroethane-d4 | 102 | | 75-120 | %REC | 1 | 9/27/2019 08:27 AM |
| Surr: 4-Bromofluorobenzene | 98.3 | | 80-110 | %REC | 1 | 9/27/2019 08:27 AM |
| Surr: Dibromofluoromethane | 99.4 | | 85-115 | %REC | 1 | 9/27/2019 08:27 AM |
| Surr: Toluene-d8 | 99.2 | | 85-110 | %REC | 1 | 9/27/2019 08:27 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Work Order: 19091499
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271606a Instrument ID VMS9 Method: SW8260C

| Mblk | | Sample ID: VBLKW3-190926-R271606a | | Units: µg/L | | Analysis Date: 9/27/2019 04:29 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS9_190926B | | SeqNo: 5950654 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | U | | 1.0 | | | | | |
| Ethylbenzene | U | | 1.0 | | | | | |
| m,p-Xylene | U | | 2.0 | | | | | |
| o-Xylene | U | | 1.0 | | | | | |
| Toluene | U | | 1.0 | | | | | |
| Xylenes, Total | U | | 3.0 | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.17 | 0 | 20 | 0 | 101 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 18.86 | 0 | 20 | 0 | 94.3 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 19.68 | 0 | 20 | 0 | 98.4 | 85-115 | 0 | |
| Surr: Toluene-d8 | 19.87 | 0 | 20 | 0 | 99.4 | 85-110 | 0 | |

| LCS | | Sample ID: VLCSW3-190926-R271606a | | Units: µg/L | | Analysis Date: 9/27/2019 03:42 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS9_190926B | | SeqNo: 5950653 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | 20.08 | 1.0 | 20 | 0 | 100 | 70-130 | 0 | |
| Ethylbenzene | 19.71 | 1.0 | 20 | 0 | 98.6 | 76-123 | 0 | |
| m,p-Xylene | 40.2 | 2.0 | 40 | 0 | 100 | 75-130 | 0 | |
| o-Xylene | 19.31 | 1.0 | 20 | 0 | 96.6 | 76-127 | 0 | |
| Toluene | 20.26 | 1.0 | 20 | 0 | 101 | 76-125 | 0 | |
| Xylenes, Total | 59.51 | 3.0 | 60 | 0 | 99.2 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 19.8 | 0 | 20 | 0 | 99 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 20.37 | 0 | 20 | 0 | 102 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 20.34 | 0 | 20 | 0 | 102 | 85-115 | 0 | |
| Surr: Toluene-d8 | 20.17 | 0 | 20 | 0 | 101 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091499
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271606a** Instrument ID **VMS9** Method: **SW8260C**

| MS Sample ID: 19091499-10A MS | | | | Units: µg/L | | | Analysis Date: 9/27/2019 10:16 AM | | | |
|--|--------|-----------------------------|---------|-----------------------|------|---------------|--|---------------|-----------|------|
| Client ID: 20190918-K35 CDP (MW-04) | | Run ID: VMS9_190926B | | SeqNo: 5950672 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 836.5 | 50 | 1000 | 8 | 82.8 | 70-130 | | 0 | | |
| Ethylbenzene | 822 | 50 | 1000 | 19.5 | 80.2 | 76-123 | | 0 | | |
| m,p-Xylene | 1840 | 100 | 2000 | 203.5 | 81.8 | 75-130 | | 0 | | |
| o-Xylene | 801.5 | 50 | 1000 | 10.5 | 79.1 | 76-127 | | 0 | | |
| Toluene | 842.5 | 50 | 1000 | 0 | 84.2 | 76-125 | | 0 | | |
| Xylenes, Total | 2641 | 150 | 3000 | 203.5 | 81.2 | 76-127 | | 0 | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 997.5 | 0 | 1000 | 0 | 99.8 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 980.5 | 0 | 1000 | 0 | 98 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 1026 | 0 | 1000 | 0 | 103 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 1012 | 0 | 1000 | 0 | 101 | 85-110 | | 0 | | |

| MSD Sample ID: 19091499-10A MSD | | | | Units: µg/L | | | Analysis Date: 9/27/2019 10:32 AM | | | |
|---|--------|-----------------------------|---------|-----------------------|------|---------------|--|---------------|-----------|------|
| Client ID: 20190918-K35 CDP (MW-04) | | Run ID: VMS9_190926B | | SeqNo: 5950673 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 881 | 50 | 1000 | 8 | 87.3 | 70-130 | 836.5 | 5.18 | 30 | |
| Ethylbenzene | 862.5 | 50 | 1000 | 19.5 | 84.3 | 76-123 | 822 | 4.81 | 30 | |
| m,p-Xylene | 1936 | 100 | 2000 | 203.5 | 86.6 | 75-130 | 1840 | 5.14 | 30 | |
| o-Xylene | 834 | 50 | 1000 | 10.5 | 82.4 | 76-127 | 801.5 | 3.97 | 30 | |
| Toluene | 891.5 | 50 | 1000 | 0 | 89.2 | 76-125 | 842.5 | 5.65 | 30 | |
| Xylenes, Total | 2770 | 150 | 3000 | 203.5 | 85.6 | 76-127 | 2641 | 4.79 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 997 | 0 | 1000 | 0 | 99.7 | 75-120 | 997.5 | 0.0501 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 971.5 | 0 | 1000 | 0 | 97.2 | 80-110 | 980.5 | 0.922 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 1052 | 0 | 1000 | 0 | 105 | 85-115 | 1026 | 2.41 | 30 | |
| <i>Surr: Toluene-d8</i> | 996 | 0 | 1000 | 0 | 99.6 | 85-110 | 1012 | 1.64 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 19091499-01A | 19091499-02A | 19091499-03A |
| 19091499-04A | 19091499-05A | 19091499-06A |
| 19091499-07A | 19091499-08A | 19091499-09A |
| 19091499-10A | 19091499-11A | 19091499-12A |
| 19091499-13A | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091499
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271633A Instrument ID VMS8 Method: SW8260C

| MLK | | Sample ID: VBLKW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:52 PM | | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951942 | | Prep Date: | | DF: 1 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | U | | 1.0 | | | | | | |
| Ethylbenzene | | U | | 1.0 | | | | | | |
| m,p-Xylene | | U | | 2.0 | | | | | | |
| o-Xylene | | U | | 1.0 | | | | | | |
| Toluene | | U | | 1.0 | | | | | | |
| Xylenes, Total | | U | | 3.0 | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 20.22 | 0 | 20 | 0 | 101 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 20.88 | 0 | 20 | 0 | 104 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 21.03 | 0 | 20 | 0 | 105 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 20.34 | 0 | 20 | 0 | 102 | 85-110 | 0 | | |

| LCS | | Sample ID: VLCSW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:02 PM | | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951941 | | Prep Date: | | DF: 1 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | 17.58 | 1.0 | 20 | 0 | 87.9 | 70-130 | 0 | | |
| Ethylbenzene | | 16.37 | 1.0 | 20 | 0 | 81.8 | 76-123 | 0 | | |
| m,p-Xylene | | 33.01 | 2.0 | 40 | 0 | 82.5 | 75-130 | 0 | | |
| o-Xylene | | 15.93 | 1.0 | 20 | 0 | 79.6 | 76-127 | 0 | | |
| Toluene | | 16.31 | 1.0 | 20 | 0 | 81.6 | 76-125 | 0 | | |
| Xylenes, Total | | 48.94 | 3.0 | 60 | 0 | 81.6 | 76-127 | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | | 20.39 | 0 | 20 | 0 | 102 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 20.47 | 0 | 20 | 0 | 102 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 21.19 | 0 | 20 | 0 | 106 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 19.84 | 0 | 20 | 0 | 99.2 | 85-110 | 0 | | |

| MS | | Sample ID: 19091826-01A MS | | | Units: µg/L | | Analysis Date: 9/27/2019 10:59 PM | | | |
|-----------------------------|--|----------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951962 | | Prep Date: | | DF: 10 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | 182.7 | 10 | 200 | 0 | 91.4 | 70-130 | 0 | | |
| Ethylbenzene | | 172.5 | 10 | 200 | 0 | 86.2 | 76-123 | 0 | | |
| m,p-Xylene | | 355.7 | 20 | 400 | 6.1 | 87.4 | 75-130 | 0 | | |
| o-Xylene | | 169.2 | 10 | 200 | 0 | 84.6 | 76-127 | 0 | | |
| Toluene | | 168.4 | 10 | 200 | 0 | 84.2 | 76-125 | 0 | | |
| Xylenes, Total | | 524.9 | 30 | 600 | 0 | 87.5 | 76-127 | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | | 200.9 | 0 | 200 | 0 | 100 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 202.4 | 0 | 200 | 0 | 101 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 211.3 | 0 | 200 | 0 | 106 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 187.7 | 0 | 200 | 0 | 93.8 | 85-110 | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091499
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271633A** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | Sample ID: 19091826-01A MSD | | | Units: µg/L | | Analysis Date: 9/27/2019 11:16 PM | | | |
|------------------------------------|--------|------------------------------------|---------|---------------|-----------------------|---------------|--|-------|---------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951963 | | Prep Date: | | DF: 10 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 200.1 | 10 | 200 | 0 | 100 | 70-130 | 182.7 | 9.09 | 30 | |
| Ethylbenzene | 191.8 | 10 | 200 | 0 | 95.9 | 76-123 | 172.5 | 10.6 | 30 | |
| m,p-Xylene | 381.6 | 20 | 400 | 6.1 | 93.9 | 75-130 | 355.7 | 7.03 | 30 | |
| o-Xylene | 185.5 | 10 | 200 | 0 | 92.8 | 76-127 | 169.2 | 9.19 | 30 | |
| Toluene | 191 | 10 | 200 | 0 | 95.5 | 76-125 | 168.4 | 12.6 | 30 | |
| Xylenes, Total | 567.1 | 30 | 600 | 0 | 94.5 | 76-127 | 524.9 | 7.73 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 197.3 | 0 | 200 | 0 | 98.6 | 75-120 | 200.9 | 1.81 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 201.4 | 0 | 200 | 0 | 101 | 80-110 | 202.4 | 0.495 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 202.9 | 0 | 200 | 0 | 101 | 85-115 | 211.3 | 4.06 | 30 | |
| <i>Surr: Toluene-d8</i> | 188.6 | 0 | 200 | 0 | 94.3 | 85-110 | 187.7 | 0.478 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 19091499-02A | 19091499-06A | 19091499-08A |
| 19091499-10A | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



19091499

Page 1 of 1

| CLIENT CONTACT AND REPORTING INFORMATION | | INVOICE ADDRESS (If other than reporting address) | | ANALYSIS REQUIRED (suite codes must be listed to attract suite prices) | | | | | | | |
|---|--|---|-----------------------------|---|------------|---------|------------------------------|--|--|--|--|
| Company Name: | Caerus Oil and Gas LLC | Company Name: | Same | TPH- GRO/DRO BTEX TABLE 910- PAH's SAR EC TABLE 910- Metals pH Major Cations Major anions | | | | | | | |
| Project Manager: | Brett Middleton | Contact Name: | Same | | | | | | | | |
| Address: | 143 Diamond Avenue | Address: | Same | | | | | | | | |
| Parachute, CO 81635 | | | | | | | | | | | |
| Phone: | 970-285-9606 | | | | | | | | | | |
| Email 1: | bmiddleton@caerusoilandgas.com | Project ID: | K35 CDP Pipeline Release | | | | | | | | |
| Email 2: | jianicek@caerusoilandgas.com | Site: | | | | | | | | | |
| | | PO No: | | | | | | | | | |
| <input checked="" type="checkbox"/> Regular (default) | 5 Day Standard TAT | ALS Quote No: | | | | | | | | | |
| <input type="checkbox"/> Express | (Please specify date required _____) (express fee will apply) | | | | | | | | | | |
| | | | | | | | | | | | |
| ALS ID # | SAMPLE IDENTIFICATION (this description will appear on report) | MATRIX (a) | SAMPLING AND CONTAINER INFO | | | REMARKS | CROSS THE REQUESTED ANALYSIS | | | | |
| | | | Date | Time | Tot Bottle | | | | | | |
| 1 | 20190918 - K35 CDP (MW-13) | GW | 9/18/19 | 1115 | 3 | | X | | | | |
| 2 | 20190918 - K35 CDP (MW-20) | | | 1130 | | | X | | | | |
| 3 | 20190918 - K35 CDP (MW-16) | | | 1215 | | | X | | | | |
| 4 | 20190918 - K35 CDP (MW-03) | | | 1200 | | | X | | | | |
| 5 | 20190918 - K35 CDP (MW-07) | | | 1245 | | | X | | | | |
| 6 | 20190918 - K35 CDP (MW-17) | | | 1315 | | | X | | | | |
| 7 | 20190918 - K35 CDP (MW-19) | | | 1305 | | | X | | | | |
| 8 | 20190918 - K35 CDP (MW-22) | | | 1420 | | | X | | | | |
| 9 | 20190918 - K35 CDP (MW-18) | | | 1440 | | | X | | | | |
| 10 | 20190918 - K35 CDP (MW-04) | | | 1515 | | | X | | | | |
| 11 | 20190918 - K35 CDP (MW-39) | | | 1525 | | | X | | | | |
| 12 | 20190918 - K35 CDP (MW-05) | | ↓ | ↓ | 1540 | ↓ | X | | | | |

CLIENT SIGNATURES

For lab use only

| | | | | | |
|---|--|--|--|-----------------------|-------------------------------|
| Client's Signature: | Cooler Security Seal <input type="checkbox"/> sealed <input type="checkbox"/> broken <input type="checkbox"/> not available | Sample Temp <input type="checkbox"/> chilled <input type="checkbox"/> ambient deg °C | No of Colder Received carton / cooler box | Received by (lab) | Date and Time 9/21/19 1000 |
| Client's Date and Time of Completion: 9/18/19 1800 | | | Courier Name | Committed by | Date and Time |

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email:

SRZ 3.2 <



14041499

| CLIENT CONTACT AND REPORTING INFORMATION | | INVOICE ADDRESS (if other than reporting address) | | | | ANALYSIS REQUIRED (suite codes must be listed to attract suite prices) | | | | | | | | |
|---|---|---|--|----------------------------------|-----------------------|--|---------------------------------|------------------|-----|----|-------------------|----|---------------|--------------|
| Company Name: | Caerus Oil and Gas LLC | Company Name: | Same | | | TPH- GRODRO | BTEX | TABLE 910- PAH's | SAR | EC | TABLE 910- Metals | pH | Major Cations | Major Anions |
| Project Manager: | Brett Middleton | Contact Name: | Same | | | | | | | | | | | |
| Address: | 143 Diamond Avenue | Address: | Same | | | | | | | | | | | |
| Parachute, CO 81635 | | | | | | | | | | | | | | |
| Phone: | 970-285-9608 | | | | | | | | | | | | | |
| Email 1: | bmiddleton@caerusoilandgas.com | Project ID: | K35 CDP Pipeline Release | | | | | | | | | | | |
| Email 2: | jianicek@caerusoilandgas.com | Site: | | | | | | | | | | | | |
| | | PO No: | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Regular (default) | 5 Day Standard TAT | ALS Quote No: | | | | | | | | | | | | |
| <input type="checkbox"/> Express | (Please specify date required _____) (express fee will apply) | | | | | | | | | | | | | |
| ALS ID # | SAMPLE IDENTIFICATION (this description will appear on report) | MATRIX (a) | SAMPLING AND CONTAINER INFO | | | REMARKS | CROSS THE REQUESTED ANALYSIS | | | | | | | |
| | | | Date | Time | Tot Bottle | | | | | | | | | |
| 13 | 20190918 - K35 CDP (MW-14) | GW | 9/18/19 | 1400 | 3 | X | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| CLIENT SIGNATURES | | For lab use only | | | | | | | | | | | | |
| Client's Signature: | | | Cooler Security Seal | Sample Temp | No of Cooler Received | Received by (lab) | Date and Time: 9/21/19 10:00 AM | | | | | | | |
| | | | <input type="checkbox"/> sealed | <input type="checkbox"/> chilled | deg C | carton / cooler box | | | | | | | | |
| | | | <input type="checkbox"/> broken | <input type="checkbox"/> ambient | | | | | | | | | | |
| | | | <input type="checkbox"/> not available | | | | | | | | | | | |
| Client's Date and Time of Completion: | 9/18/19 1800 | | Courier Name | | | Committed by | Date and Time | | | | | | | |

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email:

SR2 3.2°C

Sample Receipt ChecklistClient Name: CAERUSDate/Time Received: 21-Sep-19 10:00Work Order: 19091499Received by: DS

| | | | |
|--|-------------------|--|-------------------|
| Checklist completed by <u>Diane Shaw</u> eSignature | 23-Sep-19 Date | Reviewed by: <u>Chad Whetton</u> eSignature | 24-Sep-19 Date |
|--|-------------------|--|-------------------|

Matrices: GroundwaterCarrier name: FedEx

| | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>3.2/3.2 c</u> <input type="checkbox"/> <u>SR2</u> <input type="checkbox"/> | | |
| Cooler(s)/Kit(s): | <input type="checkbox"/> | | |
| Date/Time sample(s) sent to storage: | <u>9/23/2019 11:03:56 AM</u> <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="checkbox"/> | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



01-Oct-2019

Brett Middleton
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

Re: **K35 CDP Pipeline Release**

Work Order: **19091487**

Dear Brett,

ALS Environmental received 18 samples on 21-Sep-2019 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 31.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: 19091487

Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|--------------------|--------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 19091487-01 | 20190919-K35 CDP (MW-37) | Groundwater | | 9/19/2019 10:05 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-02 | 20190919-K35 CDP (MW-24) | Groundwater | | 9/19/2019 10:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-03 | 20190919-K35 CDP (MW-23) | Groundwater | | 9/19/2019 11:05 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-04 | 20190919-K35 CDP (MW-12) | Groundwater | | 9/19/2019 11:25 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-05 | 20190919-K35 CDP (MW-11) | Groundwater | | 9/19/2019 11:45 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-06 | 20190919-K35 CDP (MW-32) | Groundwater | | 9/19/2019 12:05 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-07 | 20190919-K35 CDP (MW-33) | Groundwater | | 9/19/2019 12:30 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-08 | 20190919-K35 CDP (MW-35) | Groundwater | | 9/19/2019 13:05 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-09 | 20190919-K35 CDP (MW-29) | Groundwater | | 9/19/2019 13:20 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-10 | 20190919-K35 CDP (MW-30) | Groundwater | | 9/19/2019 13:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-11 | 20190919-K35 CDP (MW-38) | Groundwater | | 9/19/2019 13:55 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-12 | 20190919-K35 CDP (MW-26) | Groundwater | | 9/19/2019 14:15 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-13 | 20190919-K35 CDP (MW-34) | Groundwater | | 9/19/2019 14:25 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-14 | 20190919-K35 CDP (MW-15) | Groundwater | | 9/19/2019 14:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-15 | 20190919-K35 CDP (MW-46) | Groundwater | | 9/19/2019 15:00 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-16 | 20190919-K35 CDP (MW-45) | Groundwater | | 9/19/2019 15:20 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-17 | 20190919-K35 CDP (MW-44) | Groundwater | | 9/19/2019 15:40 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091487-18 | 20190919-K35 CDP (MW-43) | Groundwater | | 9/19/2019 16:00 | 9/21/2019 10:00 | <input type="checkbox"/> |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: 19091487

Case Narrative

Batch R271575a, Method VOC_8260_W, Samples 19091487-03A and -04A: The VOC reporting limits are elevated due to dilution for high concentrations of non-target analytes.

Batch R271575a, Method VOC_8260_W, Sample 19091487-09A: VOC surrogate recovery high due to matrix interference.

Batch R271633A, Method VOC_8260_W, Sample 19091487-08A: VOC surrogate recovery high due to matrix interference.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
WorkOrder: 19091487

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|---------------------------|
| µg/L | Micrograms per Liter |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-37)
Collection Date: 9/19/2019 10:05 AM

Work Order: 19091487
Lab ID: 19091487-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 06:28 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 101 | | 75-120 | %REC | 1 | 9/27/2019 06:28 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 95.2 | | 80-110 | %REC | 1 | 9/27/2019 06:28 AM |
| <i>Surr: Dibromofluoromethane</i> | 104 | | 85-115 | %REC | 1 | 9/27/2019 06:28 AM |
| <i>Surr: Toluene-d8</i> | 98.2 | | 85-110 | %REC | 1 | 9/27/2019 06:28 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-24)
Collection Date: 9/19/2019 10:40 AM

Work Order: 19091487
Lab ID: 19091487-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 06:45 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 102 | | 75-120 | %REC | 1 | 9/27/2019 06:45 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 95.6 | | 80-110 | %REC | 1 | 9/27/2019 06:45 AM |
| <i>Surr: Dibromofluoromethane</i> | 94.6 | | 85-115 | %REC | 1 | 9/27/2019 06:45 AM |
| <i>Surr: Toluene-d8</i> | 97.3 | | 85-110 | %REC | 1 | 9/27/2019 06:45 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-23)
Collection Date: 9/19/2019 11:05 AM

Work Order: 19091487
Lab ID: 19091487-03
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 40 | | 5.0 | µg/L | 5 | 9/27/2019 10:26 PM |
| Ethylbenzene | 100 | | 5.0 | µg/L | 5 | 9/27/2019 10:26 PM |
| m,p-Xylene | 1,100 | | 100 | µg/L | 50 | 9/27/2019 07:01 AM |
| o-Xylene | 150 | | 5.0 | µg/L | 5 | 9/27/2019 10:26 PM |
| Toluene | U | | 5.0 | µg/L | 5 | 9/27/2019 10:26 PM |
| Xylenes, Total | 1,300 | | 150 | µg/L | 50 | 9/27/2019 07:01 AM |
| Surr: 1,2-Dichloroethane-d4 | 102 | | 75-120 | %REC | 5 | 9/27/2019 10:26 PM |
| Surr: 1,2-Dichloroethane-d4 | 104 | | 75-120 | %REC | 50 | 9/27/2019 07:01 AM |
| Surr: 4-Bromofluorobenzene | 101 | | 80-110 | %REC | 5 | 9/27/2019 10:26 PM |
| Surr: 4-Bromofluorobenzene | 100 | | 80-110 | %REC | 50 | 9/27/2019 07:01 AM |
| Surr: Dibromofluoromethane | 104 | | 85-115 | %REC | 5 | 9/27/2019 10:26 PM |
| Surr: Dibromofluoromethane | 98.3 | | 85-115 | %REC | 50 | 9/27/2019 07:01 AM |
| Surr: Toluene-d8 | 105 | | 85-110 | %REC | 5 | 9/27/2019 10:26 PM |
| Surr: Toluene-d8 | 98.5 | | 85-110 | %REC | 50 | 9/27/2019 07:01 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-12)
Collection Date: 9/19/2019 11:25 AM

Work Order: 19091487
Lab ID: 19091487-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 8.9 | | 2.0 | µg/L | 2 | Analyst: JNS 9/27/2019 07:18 AM |
| Ethylbenzene | 11 | | 2.0 | µg/L | 2 | 9/27/2019 07:18 AM |
| m,p-Xylene | 28 | | 4.0 | µg/L | 2 | 9/27/2019 07:18 AM |
| o-Xylene | U | | 2.0 | µg/L | 2 | 9/27/2019 07:18 AM |
| Toluene | U | | 2.0 | µg/L | 2 | 9/27/2019 07:18 AM |
| Xylenes, Total | 28 | | 6.0 | µg/L | 2 | 9/27/2019 07:18 AM |
| Surr: 1,2-Dichloroethane-d4 | 100 | | 75-120 | %REC | 2 | 9/27/2019 07:18 AM |
| Surr: 4-Bromofluorobenzene | 100 | | 80-110 | %REC | 2 | 9/27/2019 07:18 AM |
| Surr: Dibromofluoromethane | 93.2 | | 85-115 | %REC | 2 | 9/27/2019 07:18 AM |
| Surr: Toluene-d8 | 103 | | 85-110 | %REC | 2 | 9/27/2019 07:18 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-11)
Collection Date: 9/19/2019 11:45 AM

Work Order: 19091487
Lab ID: 19091487-05
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|--------------|-------------|-----------------|---|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 2.3 | | 1.0 | µg/L | 1 | Analyst: JNS 9/27/2019 07:34 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:34 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 07:34 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:34 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:34 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 07:34 AM |
| Surr: 1,2-Dichloroethane-d4 | 101 | | 75-120 | %REC | 1 | 9/27/2019 07:34 AM |
| Surr: 4-Bromofluorobenzene | 94.6 | | 80-110 | %REC | 1 | 9/27/2019 07:34 AM |
| Surr: Dibromofluoromethane | 99.4 | | 85-115 | %REC | 1 | 9/27/2019 07:34 AM |
| Surr: Toluene-d8 | 103 | | 85-110 | %REC | 1 | 9/27/2019 07:34 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-32)
Collection Date: 9/19/2019 12:05 PM

Work Order: 19091487
Lab ID: 19091487-06
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 07:51 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 102 | | 75-120 | %REC | 1 | 9/27/2019 07:51 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 92.6 | | 80-110 | %REC | 1 | 9/27/2019 07:51 AM |
| <i>Surr: Dibromofluoromethane</i> | 99.0 | | 85-115 | %REC | 1 | 9/27/2019 07:51 AM |
| <i>Surr: Toluene-d8</i> | 98.2 | | 85-110 | %REC | 1 | 9/27/2019 07:51 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-33)
Collection Date: 9/19/2019 12:30 PM

Work Order: 19091487
Lab ID: 19091487-07
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 1.9 | | 1.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| Ethylbenzene | 2.1 | | 1.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| m,p-Xylene | 16 | | 2.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| Xylenes, Total | 16 | | 3.0 | µg/L | 1 | 9/27/2019 08:08 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 75-120 | %REC | 1 | 9/27/2019 08:08 AM |
| Surr: 4-Bromofluorobenzene | 103 | | 80-110 | %REC | 1 | 9/27/2019 08:08 AM |
| Surr: Dibromofluoromethane | 101 | | 85-115 | %REC | 1 | 9/27/2019 08:08 AM |
| Surr: Toluene-d8 | 109 | | 85-110 | %REC | 1 | 9/27/2019 08:08 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-35)
Collection Date: 9/19/2019 01:05 PM

Work Order: 19091487
Lab ID: 19091487-08
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 1.8 | | 1.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| Ethylbenzene | 3.8 | | 1.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| m,p-Xylene | 25 | | 2.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| Xylenes, Total | 25 | | 3.0 | µg/L | 1 | 9/27/2019 07:22 PM |
| Surr: 1,2-Dichloroethane-d4 | 100 | | 75-120 | %REC | 1 | 9/27/2019 07:22 PM |
| Surr: 4-Bromofluorobenzene | 110 | S | 80-110 | %REC | 1 | 9/27/2019 07:22 PM |
| Surr: Dibromofluoromethane | 105 | | 85-115 | %REC | 1 | 9/27/2019 07:22 PM |
| Surr: Toluene-d8 | 112 | S | 85-110 | %REC | 1 | 9/27/2019 07:22 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-29)
Collection Date: 9/19/2019 01:20 PM

Work Order: 19091487
Lab ID: 19091487-09
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 9.0 | | 1.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| Ethylbenzene | 17 | | 1.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| m,p-Xylene | 120 | | 2.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| o-Xylene | 0.38 | J | 1.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| Xylenes, Total | 120 | | 3.0 | µg/L | 1 | 9/27/2019 08:41 AM |
| Surr: 1,2-Dichloroethane-d4 | 97.6 | | 75-120 | %REC | 1 | 9/27/2019 08:41 AM |
| Surr: 4-Bromofluorobenzene | 104 | | 80-110 | %REC | 1 | 9/27/2019 08:41 AM |
| Surr: Dibromofluoromethane | 99.2 | | 85-115 | %REC | 1 | 9/27/2019 08:41 AM |
| Surr: Toluene-d8 | 115 | S | 85-110 | %REC | 1 | 9/27/2019 08:41 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-30)
Collection Date: 9/19/2019 01:40 PM

Work Order: 19091487
Lab ID: 19091487-10
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 18 | | 1.0 | µg/L | 1 | 9/28/2019 09:46 PM |
| Ethylbenzene | 41 | | 1.0 | µg/L | 1 | 9/28/2019 09:46 PM |
| m,p-Xylene | 250 | | 20 | µg/L | 10 | 9/27/2019 07:56 PM |
| o-Xylene | 0.44 | J | 1.0 | µg/L | 1 | 9/28/2019 09:46 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/28/2019 09:46 PM |
| Xylenes, Total | 250 | | 30 | µg/L | 10 | 9/27/2019 07:56 PM |
| Surr: 1,2-Dichloroethane-d4 | 98.2 | | 75-120 | %REC | 10 | 9/27/2019 07:56 PM |
| Surr: 1,2-Dichloroethane-d4 | 96.2 | | 75-120 | %REC | 1 | 9/28/2019 09:46 PM |
| Surr: 4-Bromofluorobenzene | 98.8 | | 80-110 | %REC | 10 | 9/27/2019 07:56 PM |
| Surr: 4-Bromofluorobenzene | 103 | | 80-110 | %REC | 1 | 9/28/2019 09:46 PM |
| Surr: Dibromofluoromethane | 102 | | 85-115 | %REC | 10 | 9/27/2019 07:56 PM |
| Surr: Dibromofluoromethane | 94.0 | | 85-115 | %REC | 1 | 9/28/2019 09:46 PM |
| Surr: Toluene-d8 | 97.0 | | 85-110 | %REC | 10 | 9/27/2019 07:56 PM |
| Surr: Toluene-d8 | 103 | | 85-110 | %REC | 1 | 9/28/2019 09:46 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-38)
Collection Date: 9/19/2019 01:55 PM

Work Order: 19091487
Lab ID: 19091487-11
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|-----------|------|--------------|-------------|-----------------|---------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 11 | | 1.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| Ethylbenzene | 12 | | 1.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| m,p-Xylene | 66 | | 2.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| Xylenes, Total | 66 | | 3.0 | µg/L | 1 | 9/27/2019 09:14 AM |
| Surr: 1,2-Dichloroethane-d4 | 95.9 | | 75-120 | %REC | 1 | 9/27/2019 09:14 AM |
| Surr: 4-Bromofluorobenzene | 99.2 | | 80-110 | %REC | 1 | 9/27/2019 09:14 AM |
| Surr: Dibromofluoromethane | 99.6 | | 85-115 | %REC | 1 | 9/27/2019 09:14 AM |
| Surr: Toluene-d8 | 104 | | 85-110 | %REC | 1 | 9/27/2019 09:14 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-26)
Collection Date: 9/19/2019 02:15 PM

Work Order: 19091487
Lab ID: 19091487-12
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 09:31 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 100 | | 75-120 | %REC | 1 | 9/27/2019 09:31 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 97.8 | | 80-110 | %REC | 1 | 9/27/2019 09:31 AM |
| <i>Surr: Dibromofluoromethane</i> | 94.8 | | 85-115 | %REC | 1 | 9/27/2019 09:31 AM |
| <i>Surr: Toluene-d8</i> | 98.2 | | 85-110 | %REC | 1 | 9/27/2019 09:31 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-34)
Collection Date: 9/19/2019 02:25 PM

Work Order: 19091487
Lab ID: 19091487-13
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 09:47 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 99.5 | | 75-120 | %REC | 1 | 9/27/2019 09:47 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 97.2 | | 80-110 | %REC | 1 | 9/27/2019 09:47 AM |
| <i>Surr: Dibromofluoromethane</i> | 95.8 | | 85-115 | %REC | 1 | 9/27/2019 09:47 AM |
| <i>Surr: Toluene-d8</i> | 101 | | 85-110 | %REC | 1 | 9/27/2019 09:47 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-15)
Collection Date: 9/19/2019 02:40 PM

Work Order: 19091487
Lab ID: 19091487-14
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|------------|------|--------------|-------------|-----------------|---|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | 1.6 | | 1.0 | µg/L | 1 | Analyst: SJB 9/27/2019 07:39 PM |
| Ethylbenzene | 2.5 | | 1.0 | µg/L | 1 | 9/27/2019 07:39 PM |
| m,p-Xylene | 9.7 | | 2.0 | µg/L | 1 | 9/27/2019 07:39 PM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:39 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 07:39 PM |
| Xylenes, Total | 9.7 | | 3.0 | µg/L | 1 | 9/27/2019 07:39 PM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 98.0 | | 75-120 | %REC | 1 | 9/27/2019 07:39 PM |
| <i>Surr: 4-Bromofluorobenzene</i> | 102 | | 80-110 | %REC | 1 | 9/27/2019 07:39 PM |
| <i>Surr: Dibromofluoromethane</i> | 98.6 | | 85-115 | %REC | 1 | 9/27/2019 07:39 PM |
| <i>Surr: Toluene-d8</i> | 108 | | 85-110 | %REC | 1 | 9/27/2019 07:39 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-46)
Collection Date: 9/19/2019 03:00 PM

Work Order: 19091487
Lab ID: 19091487-15
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|------------------------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | Analyst: JNS 9/27/2019 10:21 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:21 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 10:21 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:21 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:21 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 10:21 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 101 | | 75-120 | %REC | 1 | 9/27/2019 10:21 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 96.6 | | 80-110 | %REC | 1 | 9/27/2019 10:21 AM |
| <i>Surr: Dibromofluoromethane</i> | 98.8 | | 85-115 | %REC | 1 | 9/27/2019 10:21 AM |
| <i>Surr: Toluene-d8</i> | 96.9 | | 85-110 | %REC | 1 | 9/27/2019 10:21 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-45)
Collection Date: 9/19/2019 03:20 PM

Work Order: 19091487
Lab ID: 19091487-16
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 10:37 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 106 | | 75-120 | %REC | 1 | 9/27/2019 10:37 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 98.8 | | 80-110 | %REC | 1 | 9/27/2019 10:37 AM |
| <i>Surr: Dibromofluoromethane</i> | 106 | | 85-115 | %REC | 1 | 9/27/2019 10:37 AM |
| <i>Surr: Toluene-d8</i> | 100 | | 85-110 | %REC | 1 | 9/27/2019 10:37 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-44)
Collection Date: 9/19/2019 03:40 PM

Work Order: 19091487
Lab ID: 19091487-17
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 10:54 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 101 | | 75-120 | %REC | 1 | 9/27/2019 10:54 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 99.7 | | 80-110 | %REC | 1 | 9/27/2019 10:54 AM |
| <i>Surr: Dibromofluoromethane</i> | 98.6 | | 85-115 | %REC | 1 | 9/27/2019 10:54 AM |
| <i>Surr: Toluene-d8</i> | 100 | | 85-110 | %REC | 1 | 9/27/2019 10:54 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190919-K35 CDP (MW-43)
Collection Date: 9/19/2019 04:00 PM

Work Order: 19091487
Lab ID: 19091487-18
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 11:10 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 97.6 | | 75-120 | %REC | 1 | 9/27/2019 11:10 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 95.8 | | 80-110 | %REC | 1 | 9/27/2019 11:10 AM |
| <i>Surr: Dibromofluoromethane</i> | 101 | | 85-115 | %REC | 1 | 9/27/2019 11:10 AM |
| <i>Surr: Toluene-d8</i> | 99.6 | | 85-110 | %REC | 1 | 9/27/2019 11:10 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271575a Instrument ID VMS8 Method: SW8260C

| MBLK | | Sample ID: VBLKW2-190926-R271575a | | Units: µg/L | | Analysis Date: 9/27/2019 05:21 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190926B | | SeqNo: 5950308 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | U | | 1.0 | | | | | |
| Ethylbenzene | U | | 1.0 | | | | | |
| m,p-Xylene | U | | 2.0 | | | | | |
| o-Xylene | U | | 1.0 | | | | | |
| Toluene | U | | 1.0 | | | | | |
| Xylenes, Total | U | | 3.0 | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.82 | 0 | 20 | 0 | 104 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 19.87 | 0 | 20 | 0 | 99.4 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 20.15 | 0 | 20 | 0 | 101 | 85-115 | 0 | |
| Surr: Toluene-d8 | 20.33 | 0 | 20 | 0 | 102 | 85-110 | 0 | |

| LCS | | Sample ID: VLCSW3-190926-R271575a | | Units: µg/L | | Analysis Date: 9/27/2019 04:32 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190926B | | SeqNo: 5950306 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | 18.62 | 1.0 | 20 | 0 | 93.1 | 70-130 | 0 | |
| Ethylbenzene | 18.6 | 1.0 | 20 | 0 | 93 | 76-123 | 0 | |
| m,p-Xylene | 38.09 | 2.0 | 40 | 0 | 95.2 | 75-130 | 0 | |
| o-Xylene | 18.62 | 1.0 | 20 | 0 | 93.1 | 76-127 | 0 | |
| Toluene | 18.2 | 1.0 | 20 | 0 | 91 | 76-125 | 0 | |
| Xylenes, Total | 56.71 | 3.0 | 60 | 0 | 94.5 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 19.39 | 0 | 20 | 0 | 97 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 19.95 | 0 | 20 | 0 | 99.8 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 20.53 | 0 | 20 | 0 | 103 | 85-115 | 0 | |
| Surr: Toluene-d8 | 20.05 | 0 | 20 | 0 | 100 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271575a** Instrument ID **VMS8** Method: **SW8260C**

| MS Sample ID: 19091487-03A MS | | | | Units: µg/L | | Analysis Date: 9/27/2019 11:27 AM | | | | |
|--|--------|-----------------------------|---------|-----------------------|------|--|---------------|---------------|-----------|------|
| Client ID: 20190919-K35 CDP (MW-23) | | Run ID: VMS8_190926B | | SeqNo: 5950328 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 972 | 50 | 1000 | 36 | 93.6 | 70-130 | | 0 | | |
| Ethylbenzene | 994.5 | 50 | 1000 | 87 | 90.8 | 76-123 | | 0 | | |
| m,p-Xylene | 3103 | 100 | 2000 | 1138 | 98.2 | 75-130 | | 0 | | |
| o-Xylene | 982.5 | 50 | 1000 | 126.5 | 85.6 | 76-127 | | 0 | | |
| Toluene | 902.5 | 50 | 1000 | 0 | 90.2 | 76-125 | | 0 | | |
| Xylenes, Total | 4086 | 150 | 3000 | 1265 | 94 | 76-127 | | 0 | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 997 | 0 | 1000 | 0 | 99.7 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 979 | 0 | 1000 | 0 | 97.9 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 1021 | 0 | 1000 | 0 | 102 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 992 | 0 | 1000 | 0 | 99.2 | 85-110 | | 0 | | |

| MSD Sample ID: 19091487-03A MSD | | | | Units: µg/L | | Analysis Date: 9/27/2019 11:44 AM | | | | |
|---|--------|-----------------------------|---------|-----------------------|------|--|---------------|---------------|-----------|------|
| Client ID: 20190919-K35 CDP (MW-23) | | Run ID: VMS8_190926B | | SeqNo: 5950329 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 941.5 | 50 | 1000 | 36 | 90.6 | 70-130 | 972 | 3.19 | 30 | |
| Ethylbenzene | 1004 | 50 | 1000 | 87 | 91.7 | 76-123 | 994.5 | 0.951 | 30 | |
| m,p-Xylene | 3014 | 100 | 2000 | 1138 | 93.8 | 75-130 | 3103 | 2.89 | 30 | |
| o-Xylene | 1025 | 50 | 1000 | 126.5 | 89.8 | 76-127 | 982.5 | 4.23 | 30 | |
| Toluene | 912.5 | 50 | 1000 | 0 | 91.2 | 76-125 | 902.5 | 1.1 | 30 | |
| Xylenes, Total | 4040 | 150 | 3000 | 1265 | 92.5 | 76-127 | 4086 | 1.13 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 964.5 | 0 | 1000 | 0 | 96.4 | 75-120 | 997 | 3.31 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 1000 | 0 | 1000 | 0 | 100 | 80-110 | 979 | 2.12 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 1036 | 0 | 1000 | 0 | 104 | 85-115 | 1021 | 1.51 | 30 | |
| <i>Surr: Toluene-d8</i> | 983 | 0 | 1000 | 0 | 98.3 | 85-110 | 992 | 0.911 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 19091487-01A | 19091487-02A | 19091487-03A |
| 19091487-04A | 19091487-05A | 19091487-06A |
| 19091487-07A | 19091487-08A | 19091487-09A |
| 19091487-10A | 19091487-11A | 19091487-12A |
| 19091487-13A | 19091487-14A | 19091487-15A |
| 19091487-16A | 19091487-17A | 19091487-18A |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271633A Instrument ID VMS8 Method: SW8260C

| MBLK | | Sample ID: VBLKW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:52 PM | | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951942 | | Prep Date: | | DF: 1 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | U | | 1.0 | | | | | | |
| Ethylbenzene | | U | | 1.0 | | | | | | |
| m,p-Xylene | | U | | 2.0 | | | | | | |
| o-Xylene | | U | | 1.0 | | | | | | |
| Toluene | | U | | 1.0 | | | | | | |
| Xylenes, Total | | U | | 3.0 | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 20.22 | 0 | 20 | 0 | 101 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 20.88 | 0 | 20 | 0 | 104 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 21.03 | 0 | 20 | 0 | 105 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 20.34 | 0 | 20 | 0 | 102 | 85-110 | 0 | | |

| LCS | | Sample ID: VLCSW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:02 PM | | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951941 | | Prep Date: | | DF: 1 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | 17.58 | 1.0 | 20 | 0 | 87.9 | 70-130 | 0 | | |
| Ethylbenzene | | 16.37 | 1.0 | 20 | 0 | 81.8 | 76-123 | 0 | | |
| m,p-Xylene | | 33.01 | 2.0 | 40 | 0 | 82.5 | 75-130 | 0 | | |
| o-Xylene | | 15.93 | 1.0 | 20 | 0 | 79.6 | 76-127 | 0 | | |
| Toluene | | 16.31 | 1.0 | 20 | 0 | 81.6 | 76-125 | 0 | | |
| Xylenes, Total | | 48.94 | 3.0 | 60 | 0 | 81.6 | 76-127 | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | | 20.39 | 0 | 20 | 0 | 102 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 20.47 | 0 | 20 | 0 | 102 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 21.19 | 0 | 20 | 0 | 106 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 19.84 | 0 | 20 | 0 | 99.2 | 85-110 | 0 | | |

| MS | | Sample ID: 19091826-01A MS | | | Units: µg/L | | Analysis Date: 9/27/2019 10:59 PM | | | |
|-----------------------------|--|----------------------------|-----|---------|----------------|------|-----------------------------------|---------------|----------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951962 | | Prep Date: | | DF: 10 | |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit | Qual |
| Benzene | | 182.7 | 10 | 200 | 0 | 91.4 | 70-130 | 0 | | |
| Ethylbenzene | | 172.5 | 10 | 200 | 0 | 86.2 | 76-123 | 0 | | |
| m,p-Xylene | | 355.7 | 20 | 400 | 6.1 | 87.4 | 75-130 | 0 | | |
| o-Xylene | | 169.2 | 10 | 200 | 0 | 84.6 | 76-127 | 0 | | |
| Toluene | | 168.4 | 10 | 200 | 0 | 84.2 | 76-125 | 0 | | |
| Xylenes, Total | | 524.9 | 30 | 600 | 0 | 87.5 | 76-127 | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | | 200.9 | 0 | 200 | 0 | 100 | 75-120 | 0 | | |
| Surr: 4-Bromofluorobenzene | | 202.4 | 0 | 200 | 0 | 101 | 80-110 | 0 | | |
| Surr: Dibromofluoromethane | | 211.3 | 0 | 200 | 0 | 106 | 85-115 | 0 | | |
| Surr: Toluene-d8 | | 187.7 | 0 | 200 | 0 | 93.8 | 85-110 | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271633A** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | Sample ID: 19091826-01A MSD | | | Units: µg/L | | Analysis Date: 9/27/2019 11:16 PM | | | |
|------------------------------------|--------|------------------------------------|---------|---------------|-----------------------|---------------|--|-------|---------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951963 | | Prep Date: | | DF: 10 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 200.1 | 10 | 200 | 0 | 100 | 70-130 | 182.7 | 9.09 | 30 | |
| Ethylbenzene | 191.8 | 10 | 200 | 0 | 95.9 | 76-123 | 172.5 | 10.6 | 30 | |
| m,p-Xylene | 381.6 | 20 | 400 | 6.1 | 93.9 | 75-130 | 355.7 | 7.03 | 30 | |
| o-Xylene | 185.5 | 10 | 200 | 0 | 92.8 | 76-127 | 169.2 | 9.19 | 30 | |
| Toluene | 191 | 10 | 200 | 0 | 95.5 | 76-125 | 168.4 | 12.6 | 30 | |
| Xylenes, Total | 567.1 | 30 | 600 | 0 | 94.5 | 76-127 | 524.9 | 7.73 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 197.3 | 0 | 200 | 0 | 98.6 | 75-120 | 200.9 | 1.81 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 201.4 | 0 | 200 | 0 | 101 | 80-110 | 202.4 | 0.495 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 202.9 | 0 | 200 | 0 | 101 | 85-115 | 211.3 | 4.06 | 30 | |
| <i>Surr: Toluene-d8</i> | 188.6 | 0 | 200 | 0 | 94.3 | 85-110 | 187.7 | 0.478 | 30 | |

The following samples were analyzed in this batch:

| | | |
|--------------|--------------|--------------|
| 19091487-03A | 19091487-08A | 19091487-10A |
| 19091487-14A | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271641A Instrument ID VMS6 Method: SW8260C

| MBLK | | Sample ID: VBLKW1-190928-R271641A | | | Units: µg/L | | Analysis Date: 9/28/2019 09:22 PM | | | |
|------------------------------------|--------|-----------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS6_190928A | | | SeqNo: 5952383 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | U | 1.0 | | | | | | | | |
| Ethylbenzene | U | 1.0 | | | | | | | | |
| o-Xylene | U | 1.0 | | | | | | | | |
| Toluene | U | 1.0 | | | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 20.19 | 0 | 20 | 0 | 101 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 19.5 | 0 | 20 | 0 | 97.5 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 19.25 | 0 | 20 | 0 | 96.2 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 20.17 | 0 | 20 | 0 | 101 | 85-110 | | 0 | | |

| LCS | | Sample ID: VLCSW2-190928-R271641A | | | Units: µg/L | | Analysis Date: 9/28/2019 08:35 PM | | | |
|------------------------------------|--------|-----------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS6_190928A | | | SeqNo: 5952379 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 18.63 | 1.0 | 20 | 0 | 93.2 | 70-130 | | 0 | | |
| Ethylbenzene | 19.49 | 1.0 | 20 | 0 | 97.4 | 76-123 | | 0 | | |
| o-Xylene | 19.74 | 1.0 | 20 | 0 | 98.7 | 76-127 | | 0 | | |
| Toluene | 20 | 1.0 | 20 | 0 | 100 | 76-125 | | 0 | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 19.92 | 0 | 20 | 0 | 99.6 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 20.11 | 0 | 20 | 0 | 101 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 20.76 | 0 | 20 | 0 | 104 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 20.38 | 0 | 20 | 0 | 102 | 85-110 | | 0 | | |

| MS | | Sample ID: 19091587-01A MS | | | Units: µg/L | | Analysis Date: 9/29/2019 05:20 AM | | | |
|------------------------------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS6_190928A | | | SeqNo: 5952400 | | Prep Date: | | DF: 100 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 2120 | 100 | 2000 | 5 | 106 | 70-130 | | 0 | | |
| Ethylbenzene | 2291 | 100 | 2000 | 56 | 112 | 76-123 | | 0 | | |
| o-Xylene | 2163 | 100 | 2000 | 5 | 108 | 76-127 | | 0 | | |
| Toluene | 2121 | 100 | 2000 | 0 | 106 | 76-125 | | 0 | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 1965 | 0 | 2000 | 0 | 98.2 | 75-120 | | 0 | | |
| <i>Surr: 4-Bromofluorobenzene</i> | 2044 | 0 | 2000 | 0 | 102 | 80-110 | | 0 | | |
| <i>Surr: Dibromofluoromethane</i> | 1975 | 0 | 2000 | 0 | 98.8 | 85-115 | | 0 | | |
| <i>Surr: Toluene-d8</i> | 2003 | 0 | 2000 | 0 | 100 | 85-110 | | 0 | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091487
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271641A** Instrument ID **VMS6** Method: **SW8260C**

| MSD | | Sample ID: 19091587-01A MSD | | | Units: µg/L | | Analysis Date: 9/29/2019 05:44 AM | | | |
|------------------------------------|--------|------------------------------------|---------|---------------|-----------------------|---------------|--|-------|----------------|------|
| Client ID: | | Run ID: VMS6_190928A | | | SeqNo: 5952402 | | Prep Date: | | DF: 100 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 2212 | 100 | 2000 | 5 | 110 | 70-130 | 2120 | 4.25 | 30 | |
| Ethylbenzene | 2382 | 100 | 2000 | 56 | 116 | 76-123 | 2291 | 3.89 | 30 | |
| o-Xylene | 2312 | 100 | 2000 | 5 | 115 | 76-127 | 2163 | 6.66 | 30 | |
| Toluene | 2223 | 100 | 2000 | 0 | 111 | 76-125 | 2121 | 4.7 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 1953 | 0 | 2000 | 0 | 97.6 | 75-120 | 1965 | 0.613 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 2024 | 0 | 2000 | 0 | 101 | 80-110 | 2044 | 0.983 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 2036 | 0 | 2000 | 0 | 102 | 85-115 | 1975 | 3.04 | 30 | |
| <i>Surr: Toluene-d8</i> | 1942 | 0 | 2000 | 0 | 97.1 | 85-110 | 2003 | 3.09 | 30 | |

The following samples were analyzed in this batch:

19091487-
10A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



| CLIENT CONTACT AND REPORTING INFORMATION | | INVOICE ADDRESS (If other than reporting address) | | | ANALYSIS REQUIRED (suite codes must be listed to attract auto prices) | | | | | | | | |
|---|--|---|----------------------------------|-----------------------|---|------------------|------------------------------|-----|----|-------------------|----|---------------|--------------|
| Company Name: | Caerus Oil and Gas LLC | Company Name: | Same | | TPH- GRO/DRO | BTEX | TABLE 910- PAH's | SAR | EC | TABLE 910- Metals | pH | Major Cations | Major Anions |
| Project Manager: | Brett Middleton | Contact Name: | Same | | | | | | | | | | |
| Address: | 143 Diamond Avenue | Address: | Same | | | | | | | | | | |
| Parachute, CO 81635 | | | | | | | | | | | | | |
| Phone: | 970-285-9806 | | | | | | | | | | | | |
| Email 1: | bmiddleton@caerusoilandgas.com | Project ID: | K35 CDP Pipeline Release | | | | | | | | | | |
| Email 2: | jianicek@caerusoilandgas.com | Site: | | | | | | | | | | | |
| | | PO No: | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Regular (default) | 5 Day Standard TAT | ALS Quota No: | | | | | | | | | | | |
| <input type="checkbox"/> Express | (Please specify date required _____) | (express fee will apply) | | | | | | | | | | | |
| ALS ID # | SAMPLE IDENTIFICATION (this description will appear on report) | MATRIX (a) | SAMPLING AND CONTAINER INFO | | | REMARKS | CROSS THE REQUESTED ANALYSIS | | | | | | |
| | | | Date | Time | Tot Bottle | | | | | | | | |
| 1 | 20190919-k35 CDP (mw-37) | GW | 9/19/19 | 1005 | 3 | | X | | | | | | |
| 2 | 20190919-k35 CDP (mw-24) | | | 1040 | | | L | | | | | | |
| 3 | 20190919-k35 CDP (mw-23) | | | 1105 | | | L | | | | | | |
| 4 | 20190919-k35 CDP (mw-12) | | | 1125 | | | L | | | | | | |
| 5 | 20190919-k35 CDP (mw-11) | | | 1145 | | | L | | | | | | |
| 6 | 20190919-k35 CDP (mw-32) | | | 1205 | | | X | | | | | | |
| 7 | 20190919-k35 CDP (mw-33) | | | 1230 | | | X | | | | | | |
| 8 | 20190919-k35 CDP (mw-35) | | | 1305 | | | X | | | | | | |
| 9 | 20190919-k35 CDP (mw-29) | | | 1320 | | | L | | | | | | |
| 10 | 20190919-k35 CDP (mw-30) | | | 1340 | | | X | | | | | | |
| 11 | 20190919-k35 CDP (mw-38) | | | 1355 | | | L | | | | | | |
| 12 | 20190919-k35 CDP (mw-26) | | ↓ | N | 1415 | ↓ | L | | | | | | |
| CLIENT SIGNATURES | | | | | | For lab use only | | | | | | | |
| Client's Signature: | Cooler Security Seal | | Sample Temp | No of Cooler Received | Received by (lab) | Date and Time | | | | | | | |
| | <input type="checkbox"/> sealed | <input type="checkbox"/> broken | <input type="checkbox"/> chilled | deg 'C | carton / cooler box | 9/21/19 1000 | | | | | | | |
| Client's Date and Time of Completion: | <u>9/19/19 10:00</u> | | <input type="checkbox"/> ambient | Courier Name: | Committed by | Date and Time | | | | | | | |
| | | | | <u>AB/11/19</u> | <u>2</u> | | | | | | | | |

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email:

SD2 3.8°C



CLIENT SIGNATURES

For lab use only

Client's Signature

Copyer Security Seal

Sample Term

No of Coolers Received

Received by (lab)

Date and Time

Date and Time
9/21/19 10:00

Client's Date and Time of appointment:

ton:)
9/19/9 1900

broken

broken ambient
 not available

Cousins Name:

Cousins Name: _____

[View attached files](#)

84 of 107

Date and Time

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

SPZ 3.8-c

Sample Receipt ChecklistClient Name: CAERUSDate/Time Received: 21-Sep-19 10:00Work Order: 19091487Received by: DS

| | | | |
|--|-------------------|--|-------------------|
| Checklist completed by <u>Diane Shaw</u> eSignature | 23-Sep-19 Date | Reviewed by: <u>Chad Whetton</u> eSignature | 24-Sep-19 Date |
|--|-------------------|--|-------------------|

Matrices: GroundwaterCarrier name: FedEx

| | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>3.8/3.8 c</u> <input type="checkbox"/> <u>SR2</u> <input type="checkbox"/> | | |
| Cooler(s)/Kit(s): | <input type="checkbox"/> | | |
| Date/Time sample(s) sent to storage: | <u>9/23/2019 10:32:45 AM</u> <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="checkbox"/> | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



30-Sep-2019

Jake Janicek
Caerus Oil and Gas LLC
143 Diamond Ave.
Parachute, CO 81635

Re: **K35 CDP Pipeline Release**

Work Order: **19091483**

Dear Jake,

ALS Environmental received 2 samples on 21-Sep-2019 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 11.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Work Order: **19091483**

Work Order Sample Summary

| Lab Samp ID | Client Sample ID | Matrix | Tag Number | Collection Date | Date Received | Hold |
|--------------------|--------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 19091483-01 | 20190920-K35 CDP (MW-42) | Groundwater | | 9/20/2019 08:45 | 9/21/2019 10:00 | <input type="checkbox"/> |
| 19091483-02 | 20190920-K35 CDP (MW-40) | Groundwater | | 9/20/2019 09:05 | 9/21/2019 10:00 | <input type="checkbox"/> |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
WorkOrder: 19091483

**QUALIFIERS,
ACRONYMS, UNITS**

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| ** | Estimated Value |
| a | Analyte is non-accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| Hr | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. |
| J | Analyte is present at an estimated concentration between the MDL and Report Limit |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |
| X | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| LOD | Limit of Detection (see MDL) |
| LOQ | Limit of Quantitation (see PQL) |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PQL | Practical Quantitation Limit |
| RPD | Relative Percent Difference |
| TDL | Target Detection Limit |
| TNTC | Too Numerous To Count |
| A | APHA Standard Methods |
| D | ASTM |
| E | EPA |
| SW | SW-846 Update III |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|---------------------------|
| µg/L | Micrograms per Liter |

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190920-K35 CDP (MW-42)
Collection Date: 9/20/2019 08:45 AM

Work Order: 19091483
Lab ID: 19091483-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|---|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | Analyst: SJB 9/27/2019 06:32 PM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:32 PM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 06:32 PM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:32 PM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:32 PM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 06:32 PM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 104 | | 75-120 | %REC | 1 | 9/27/2019 06:32 PM |
| <i>Surr: 4-Bromofluorobenzene</i> | 99.2 | | 80-110 | %REC | 1 | 9/27/2019 06:32 PM |
| <i>Surr: Dibromofluoromethane</i> | 101 | | 85-115 | %REC | 1 | 9/27/2019 06:32 PM |
| <i>Surr: Toluene-d8</i> | 98.0 | | 85-110 | %REC | 1 | 9/27/2019 06:32 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Project: K35 CDP Pipeline Release
Sample ID: 20190920-K35 CDP (MW-40)
Collection Date: 9/20/2019 09:05 AM

Work Order: 19091483
Lab ID: 19091483-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | | | | |
| Benzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| Ethylbenzene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| m,p-Xylene | U | | 2.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| o-Xylene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| Toluene | U | | 1.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| Xylenes, Total | U | | 3.0 | µg/L | 1 | 9/27/2019 06:11 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 101 | | 75-120 | %REC | 1 | 9/27/2019 06:11 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 98.8 | | 80-110 | %REC | 1 | 9/27/2019 06:11 AM |
| <i>Surr: Dibromofluoromethane</i> | 102 | | 85-115 | %REC | 1 | 9/27/2019 06:11 AM |
| <i>Surr: Toluene-d8</i> | 96.8 | | 85-110 | %REC | 1 | 9/27/2019 06:11 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Caerus Oil and Gas LLC
Work Order: 19091483
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271575a Instrument ID VMS8 Method: SW8260C

| Mblk | | Sample ID: VBLKW2-190926-R271575a | | Units: µg/L | | Analysis Date: 9/27/2019 05:21 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190926B | | SeqNo: 5950308 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | U | | 1.0 | | | | | |
| Ethylbenzene | U | | 1.0 | | | | | |
| m,p-Xylene | U | | 2.0 | | | | | |
| o-Xylene | U | | 1.0 | | | | | |
| Toluene | U | | 1.0 | | | | | |
| Xylenes, Total | U | | 3.0 | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 20.82 | 0 | 20 | 0 | 104 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 19.87 | 0 | 20 | 0 | 99.4 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 20.15 | 0 | 20 | 0 | 101 | 85-115 | 0 | |
| Surr: Toluene-d8 | 20.33 | 0 | 20 | 0 | 102 | 85-110 | 0 | |

| LCS | | Sample ID: VLCSW3-190926-R271575a | | Units: µg/L | | Analysis Date: 9/27/2019 04:32 AM | | |
|-----------------------------|--------|-----------------------------------|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190926B | | SeqNo: 5950306 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | 18.62 | 1.0 | 20 | 0 | 93.1 | 70-130 | 0 | |
| Ethylbenzene | 18.6 | 1.0 | 20 | 0 | 93 | 76-123 | 0 | |
| m,p-Xylene | 38.09 | 2.0 | 40 | 0 | 95.2 | 75-130 | 0 | |
| o-Xylene | 18.62 | 1.0 | 20 | 0 | 93.1 | 76-127 | 0 | |
| Toluene | 18.2 | 1.0 | 20 | 0 | 91 | 76-125 | 0 | |
| Xylenes, Total | 56.71 | 3.0 | 60 | 0 | 94.5 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | 19.39 | 0 | 20 | 0 | 97 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | 19.95 | 0 | 20 | 0 | 99.8 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | 20.53 | 0 | 20 | 0 | 103 | 85-115 | 0 | |
| Surr: Toluene-d8 | 20.05 | 0 | 20 | 0 | 100 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091483
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271575a Instrument ID VMS8 Method: SW8260C

| MS | Sample ID: 19091487-03A MS | | | | Units: µg/L | | Analysis Date: 9/27/2019 11:27 AM | | | |
|-----------------------------|----------------------------|-----|---------|----------------|-------------|---------------|-----------------------------------|--------|-----------|------|
| Client ID: | Run ID: VMS8_190926B | | | SeqNo: 5950328 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 972 | 50 | 1000 | 36 | 93.6 | 70-130 | | 0 | | |
| Ethylbenzene | 994.5 | 50 | 1000 | 87 | 90.8 | 76-123 | | 0 | | |
| m,p-Xylene | 3103 | 100 | 2000 | 1138 | 98.2 | 75-130 | | 0 | | |
| o-Xylene | 982.5 | 50 | 1000 | 126.5 | 85.6 | 76-127 | | 0 | | |
| Toluene | 902.5 | 50 | 1000 | 0 | 90.2 | 76-125 | | 0 | | |
| Xylenes, Total | 4086 | 150 | 3000 | 1265 | 94 | 76-127 | | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | 997 | 0 | 1000 | 0 | 99.7 | 75-120 | | 0 | | |
| Surr: 4-Bromofluorobenzene | 979 | 0 | 1000 | 0 | 97.9 | 80-110 | | 0 | | |
| Surr: Dibromofluoromethane | 1021 | 0 | 1000 | 0 | 102 | 85-115 | | 0 | | |
| Surr: Toluene-d8 | 992 | 0 | 1000 | 0 | 99.2 | 85-110 | | 0 | | |

| MSD | Sample ID: 19091487-03A MSD | | | | Units: µg/L | | Analysis Date: 9/27/2019 11:44 AM | | | |
|-----------------------------|-----------------------------|-----|---------|----------------|-------------|---------------|-----------------------------------|--------|-----------|------|
| Client ID: | Run ID: VMS8_190926B | | | SeqNo: 5950329 | | Prep Date: | | DF: 50 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 941.5 | 50 | 1000 | 36 | 90.6 | 70-130 | 972 | 3.19 | 30 | |
| Ethylbenzene | 1004 | 50 | 1000 | 87 | 91.7 | 76-123 | 994.5 | 0.951 | 30 | |
| m,p-Xylene | 3014 | 100 | 2000 | 1138 | 93.8 | 75-130 | 3103 | 2.89 | 30 | |
| o-Xylene | 1025 | 50 | 1000 | 126.5 | 89.8 | 76-127 | 982.5 | 4.23 | 30 | |
| Toluene | 912.5 | 50 | 1000 | 0 | 91.2 | 76-125 | 902.5 | 1.1 | 30 | |
| Xylenes, Total | 4040 | 150 | 3000 | 1265 | 92.5 | 76-127 | 4086 | 1.13 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 964.5 | 0 | 1000 | 0 | 96.4 | 75-120 | 997 | 3.31 | 30 | |
| Surr: 4-Bromofluorobenzene | 1000 | 0 | 1000 | 0 | 100 | 80-110 | 979 | 2.12 | 30 | |
| Surr: Dibromofluoromethane | 1036 | 0 | 1000 | 0 | 104 | 85-115 | 1021 | 1.51 | 30 | |
| Surr: Toluene-d8 | 983 | 0 | 1000 | 0 | 98.3 | 85-110 | 992 | 0.911 | 30 | |

The following samples were analyzed in this batch:

19091483-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091483
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: R271633A Instrument ID VMS8 Method: SW8260C

| MBLK | | Sample ID: VBLKW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:52 PM | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951942 | | Prep Date: | | DF: 1 |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | | U | | 1.0 | | | | | |
| Ethylbenzene | | U | | 1.0 | | | | | |
| m,p-Xylene | | U | | 2.0 | | | | | |
| o-Xylene | | U | | 1.0 | | | | | |
| Toluene | | U | | 1.0 | | | | | |
| Xylenes, Total | | U | | 3.0 | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 20.22 | 0 | 20 | 0 | 101 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | | 20.88 | 0 | 20 | 0 | 104 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | | 21.03 | 0 | 20 | 0 | 105 | 85-115 | 0 | |
| Surr: Toluene-d8 | | 20.34 | 0 | 20 | 0 | 102 | 85-110 | 0 | |

| LCS | | Sample ID: VLCSW1-190927-R271633A | | | Units: µg/L | | Analysis Date: 9/27/2019 04:02 PM | | |
|-----------------------------|--|-----------------------------------|-----|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951941 | | Prep Date: | | DF: 1 |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | | 17.58 | 1.0 | 20 | 0 | 87.9 | 70-130 | 0 | |
| Ethylbenzene | | 16.37 | 1.0 | 20 | 0 | 81.8 | 76-123 | 0 | |
| m,p-Xylene | | 33.01 | 2.0 | 40 | 0 | 82.5 | 75-130 | 0 | |
| o-Xylene | | 15.93 | 1.0 | 20 | 0 | 79.6 | 76-127 | 0 | |
| Toluene | | 16.31 | 1.0 | 20 | 0 | 81.6 | 76-125 | 0 | |
| Xylenes, Total | | 48.94 | 3.0 | 60 | 0 | 81.6 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | | 20.39 | 0 | 20 | 0 | 102 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | | 20.47 | 0 | 20 | 0 | 102 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | | 21.19 | 0 | 20 | 0 | 106 | 85-115 | 0 | |
| Surr: Toluene-d8 | | 19.84 | 0 | 20 | 0 | 99.2 | 85-110 | 0 | |

| MS | | Sample ID: 19091826-01A MS | | | Units: µg/L | | Analysis Date: 9/27/2019 10:59 PM | | |
|-----------------------------|--|----------------------------|-----|---------|----------------|------|-----------------------------------|---------------|---------------------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951962 | | Prep Date: | | DF: 10 |
| Analyte | | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene | | 182.7 | 10 | 200 | 0 | 91.4 | 70-130 | 0 | |
| Ethylbenzene | | 172.5 | 10 | 200 | 0 | 86.2 | 76-123 | 0 | |
| m,p-Xylene | | 355.7 | 20 | 400 | 6.1 | 87.4 | 75-130 | 0 | |
| o-Xylene | | 169.2 | 10 | 200 | 0 | 84.6 | 76-127 | 0 | |
| Toluene | | 168.4 | 10 | 200 | 0 | 84.2 | 76-125 | 0 | |
| Xylenes, Total | | 524.9 | 30 | 600 | 0 | 87.5 | 76-127 | 0 | |
| Surr: 1,2-Dichloroethane-d4 | | 200.9 | 0 | 200 | 0 | 100 | 75-120 | 0 | |
| Surr: 4-Bromofluorobenzene | | 202.4 | 0 | 200 | 0 | 101 | 80-110 | 0 | |
| Surr: Dibromofluoromethane | | 211.3 | 0 | 200 | 0 | 106 | 85-115 | 0 | |
| Surr: Toluene-d8 | | 187.7 | 0 | 200 | 0 | 93.8 | 85-110 | 0 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Caerus Oil and Gas LLC
Work Order: 19091483
Project: K35 CDP Pipeline Release

QC BATCH REPORT

Batch ID: **R271633A** Instrument ID **VMS8** Method: **SW8260C**

| MSD | | Sample ID: 19091826-01A MSD | | | Units: µg/L | | Analysis Date: 9/27/2019 11:16 PM | | | |
|------------------------------------|--------|------------------------------------|---------|---------------|-----------------------|---------------|--|-------|---------------|------|
| Client ID: | | Run ID: VMS8_190927A | | | SeqNo: 5951963 | | Prep Date: | | DF: 10 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 200.1 | 10 | 200 | 0 | 100 | 70-130 | 182.7 | 9.09 | 30 | |
| Ethylbenzene | 191.8 | 10 | 200 | 0 | 95.9 | 76-123 | 172.5 | 10.6 | 30 | |
| m,p-Xylene | 381.6 | 20 | 400 | 6.1 | 93.9 | 75-130 | 355.7 | 7.03 | 30 | |
| o-Xylene | 185.5 | 10 | 200 | 0 | 92.8 | 76-127 | 169.2 | 9.19 | 30 | |
| Toluene | 191 | 10 | 200 | 0 | 95.5 | 76-125 | 168.4 | 12.6 | 30 | |
| Xylenes, Total | 567.1 | 30 | 600 | 0 | 94.5 | 76-127 | 524.9 | 7.73 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 197.3 | 0 | 200 | 0 | 98.6 | 75-120 | 200.9 | 1.81 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | 201.4 | 0 | 200 | 0 | 101 | 80-110 | 202.4 | 0.495 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | 202.9 | 0 | 200 | 0 | 101 | 85-115 | 211.3 | 4.06 | 30 | |
| <i>Surr: Toluene-d8</i> | 188.6 | 0 | 200 | 0 | 94.3 | 85-110 | 187.7 | 0.478 | 30 | |

The following samples were analyzed in this batch:

19091483-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



ALS Laboratory Group

CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.

COC number (for client tracking)

19091483

Page 1 of 1

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SS (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwal Chung, N.T., Hong Kong Tel: +852 2810 1044 Fax: +852 2810 2021 Email: HongKong@alsglobal.com

SP2 3.8°C

ALS Group, USA

Sample Receipt Checklist

Client Name: CAERUS

Date/Time Received: 21-Sep-19 10:00

Work Order: 19091483

Received by: DS

| | | | |
|--|-------------------|--|-------------------|
| Checklist completed by <u>Diane Shaw</u> eSignature | 23-Sep-19 Date | Reviewed by: <u>Chad Whetton</u> eSignature | 24-Sep-19 Date |
|--|-------------------|--|-------------------|

Matrices: Groundwater

Carrier name: FedEx

| | | | |
|---|--|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample(s) received on ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>3.8/3.8 c</u> <input type="checkbox"/> SR2 | | |
| Cooler(s)/Kit(s): | <input type="checkbox"/> | | |
| Date/Time sample(s) sent to storage: | <u>9/23/2019 9:57:51 AM</u> <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="checkbox"/> | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: