

January 19, 2022

Bradford Billings Hydrologist/E.Spec.A District 2 Artesia 1220 South St. Francis Drive Oil Conservation Division Santa Fe, NM 87505

Re: Release Characterization and Closure Request
ConocoPhillips
Heritage Concho
Pan Head Fee 21H Release
Unit Letter D, Section 11, Township 17 South, Range 32 East
Lea County, New Mexico
Incident ID# NJXK1610631827
1RP-4249

Mr. Billings,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a Heritage Concho release and subsequent remedial actions taken at the Pan Head Fee 21H (API No. 30-025-40886). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 11, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.8554306°, -103.7446976°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation District (NMOCD) C-141 Initial Report, the release was discovered on April 3, 2016. The C-141 reports that the release was caused by a broken chemical line coming from the pumping tee off the wellhead. Approximately 25 barrels (bbls) of crude oil were released, of which approximately 24 bbls of oil were recovered. The lease pad footprint is bounded by a berm at the perimeter. The release stayed within the bermed containment, with no release to pasture. The New Mexico Oil Conservation District (NMOCD) approved the initial C-141 on April 15, 2016, and subsequently assigned the release the Incident ID NJXK1610631827 and the remediation permit (RP) number 1RP-4249. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately ½ mile (800 meters) of the site. According to data from two (2) water wells listed in the NMOSE database within approximately 0.62 miles (1,000 meters) of the site, the minimum depth to groundwater is 125 feet below ground surface (bgs). The site characterization data are presented in Appendix B.

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REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, established depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

| Constituent | Site RRALs |
|-------------|--------------|
| Chloride | 20,000 mg/kg |
| TPH | 2,500 mg/kg |
| BTEX | 50 mg/kg |

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

| Constituent | Reclamation Requirements |
|-------------|--------------------------|
| Chloride | 600 mg/kg |
| TPH | 100 mg/kg |
| BTEX | 50 mg/kg |

INITIAL RESPONSE ACTIVITIES AND INITIAL ASSESSMENT

As mentioned, following the release, Concho dispatched vacuum trucks to recover standing fluid and perform initial response activities at the release site. The release extent and approximate release location are presented in Figure 3.

On May 20, 2016, Concho was onsite to install five (5) soil borings (SB-1 through SB-5) within the release extent to total depths of 4 feet bgs to assess the release. A total of twenty (20) soil samples were collected from five (5) borings and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH via EPA Method 8015M and BTEX via EPA Method 8021B. The soil samples were not analyzed for chloride during the May 2016 soil assessment activities. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

Analytical results from the May 2016 assessment activities are summarized in Table 1. All analytical results were below applicable Site RRALs for soils in active oil and gas production areas.

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

In order to complete the release assessment and delineation per 19.15.29.11 NMAC, Tetra Tech conducted additional soil sampling at the release site on behalf of ConocoPhillips on December 28, 2021. Tetra Tech installed one (1) additional hand auger soil boring (AH-1) within the release extent to 5 feet bgs to clarify vertical extent, and four (4) hand auger borings (AH-2 through AH-5) along the perimeter of the release to depths of 1 foot bgs to complete horizontal delineation of the release. No staining was observed in the reported release extent during the December 2021 site assessment activities. Photographic documentation from the December 2021 additional site assessment is presented in Appendix D.

A total of seven (7) soil samples were collected and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 4500.0, TPH via EPA Method 8015M and BTEX via EPA Method 8261B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

ConocoPhillips

Analytical results from the 2021 assessment activities are summarized in Table 2. All analytical results were below the applicable Site RRALs for soils in active oil and gas production areas.

SITE RECLAMATION AND RESTORATION PLAN

Based on the site characterization, the impacted surface area of the release on the production lease pad meets the remediation standards of Table I of 19.15.29.12 NMAC. As these areas are needed for production operations, final reclamation of any impact within the lease pad areas shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas operations. Therefore, reclamation of the soils located within the confines of the Pan Head Fee 21H lease pad will be delayed until the abandonment of the Pan Head Fee 21H facility and the full pad reclamation.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips considers the current release footprint to be fully delineated. All analytical results associated with the on-pad site assessment were below applicable Site RRALs following the initial response actions; therefore, no further remediation of the release footprint is necessary. The remaining contamination is on an active, developed oil and gas production pad, fully delineated, and does not cause an imminent risk to human health, the environment, or groundwater. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC during the initial response activities.

Based on the above, ConocoPhillips respectfully requests closure for this release. Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 217-7254.

Sincerely,

Tetra Tech, Inc.

Samantha K. Abbott, P.G.

Project Manager

Mr. Ike Tavarez, RMR - ConocoPhillips Mr. Charles Beauvais, BU - ConocoPhillips Release Characterization and Closure Request January 19, 2022

ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Topographic Map

Figure 3 – Approximate Release Extent and Initial Site Assessment Map

Figure 4 – Additional Site Assessment Map

Tables:

Table 1 – Summary of Analytical Results – 2016 Initial Soil Assessment

Table 2 – Summary of Analytical Results – 2021 Additional Soil Assessment

Appendices:

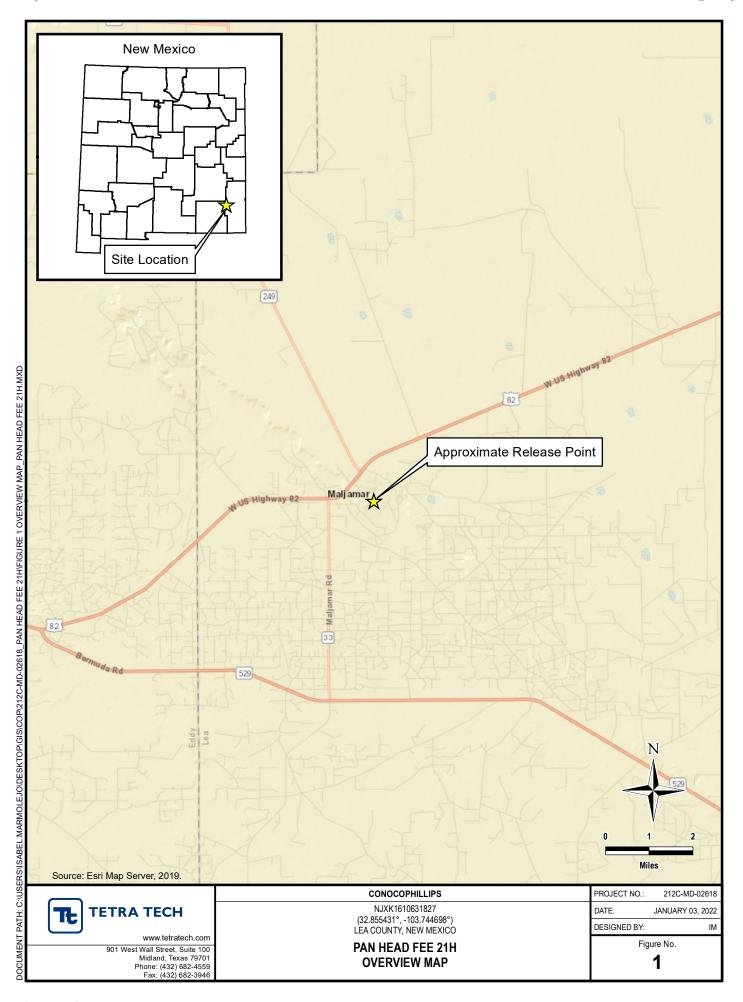
Appendix A – C-141 Forms

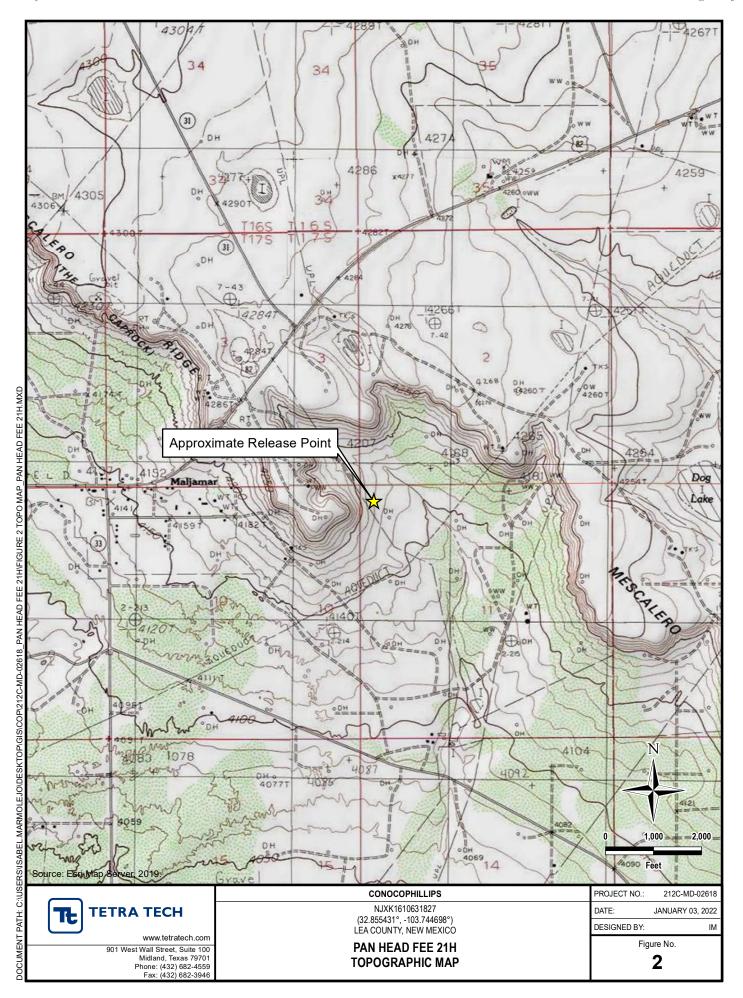
Appendix B – Site Characterization Data

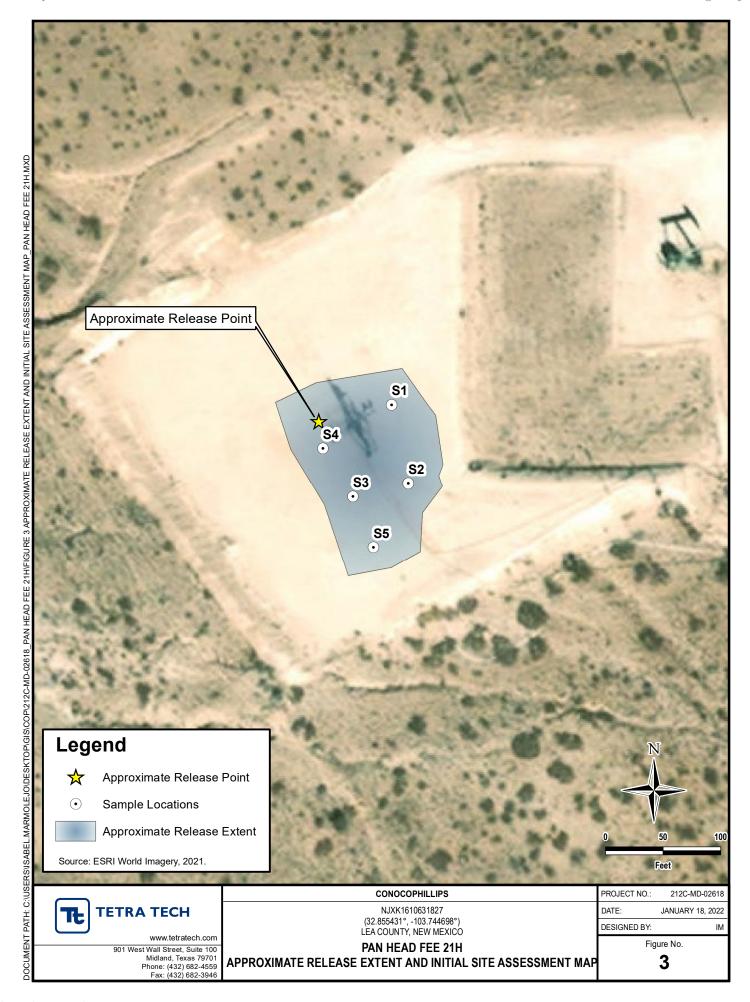
Appendix C – Laboratory Analytical Data

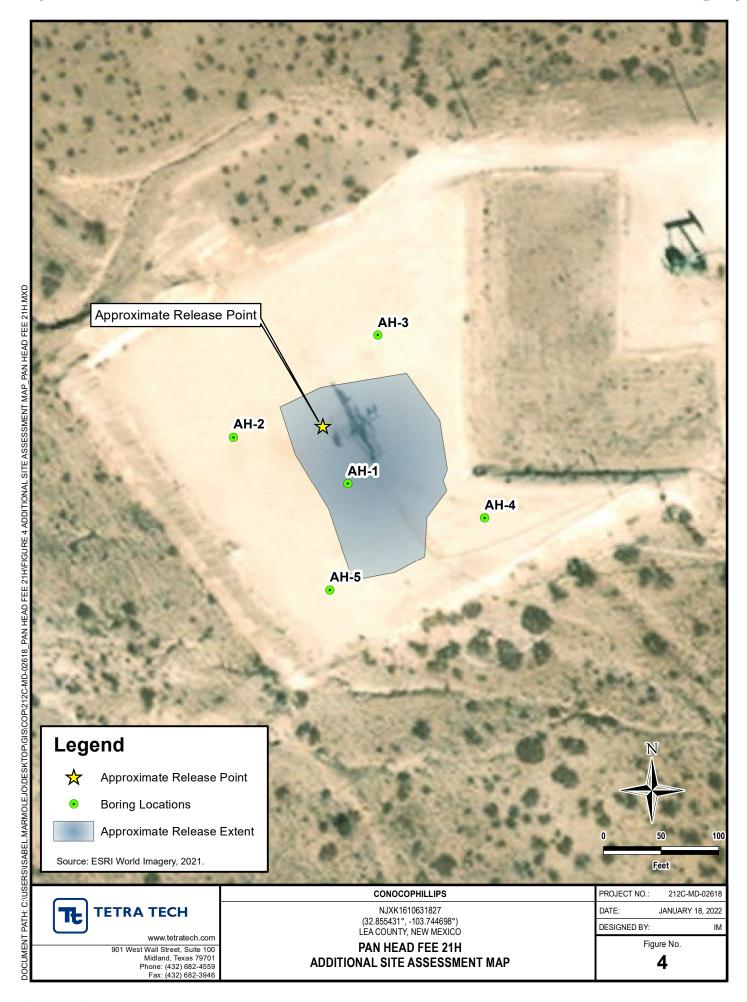
Appendix D – Photographic Documentation

FIGURES









TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS 2016 SOIL ASSESSMENT- NJXK1610631827 HERITAGE CONCHO PAN HEAD FEE #21H LEA COUNTY, NM

| | | | | | | | ВТЕХ | 1 | | | | | | | TPH | 2 | |
|-------------------|-------------|--------------|---------|----|---------|-----|----------|------|------------|------|---------------------------------------|-----|---------------------------------|----|-------------------------------------|---|-----------|
| Sample ID | Sample Date | Sample Depth | Benzei | •• | Toluei | | Ethylben | | Total Xyl | | Total B1 | ·cv | GRO | | DRO | | Total TPH |
| Sample ID | Sample Date | | Delizei | ie | Toluei | ile | Ethylben | zene | I Otal Ayl | enes | I I I I I I I I I I I I I I I I I I I | EA | C ₆ - C ₁ | 10 | > C ₁₀ - C ₂₈ | | (GRO+DRO) |
| | | ft. bgs | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| S1-1' | 5/20/2016 | 1 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S1-2' | 5/20/2016 | 2 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S1-3' | 5/20/2016 | 3 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S1-4' | 5/20/2016 | 4 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S2-1' | 5/20/2016 | 1 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S2-2' | 5/20/2016 | 2 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S2-3' | 5/20/2016 | 3 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S2-4' | 5/20/2016 | 4 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S3-1' | 5/20/2016 | 1 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 15.6 | | 15.6 |
| S3-2 ['] | 5/20/2016 | 2 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S3-3' | 5/20/2016 | 3 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S3-4 ['] | 5/20/2016 | 4 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S4-1' | 5/20/2016 | 1 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S4-2 ['] | 5/20/2016 | 2 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S4-3 ['] | 5/20/2016 | 3 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S4-4' | 5/20/2016 | 4 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S5-1 ['] | 5/20/2016 | 1 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S5-2' | 5/20/2016 | 2 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S5-3' | 5/20/2016 | 3 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |
| S5-4 ['] | 5/20/2016 | 4 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | - |

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method 8021B

2 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

TABLE 2

SUMMARY OF ANALYTICAL RESULTS 2021 SOIL ASSESSMENT- NJXK1610631827

HERITAGE CONCHO PAN HEAD FEE #21H

LEA COUNTY, NM

| | | | | | | | | | BTEX ² | | | | | | | | | TI | PH ³ | | |
|-----------|-------------|--------------|---------|-----|---------|----|---------|------|-------------------|------|------------|------|----------|----|---------------------------------|---|-----------------------|----|-----------------------|-----------------|-------------------|
| Sample ID | Sample Date | Sample Depth | Chloric | ie¹ | Benze | ne | Toluen | 10 | Ethylbenz | one | Total Xyle | nos | Total BT | FY | GRO | | DRO | | EXT DR | Ю | Total TPH |
| Jumpie ID | Sample Date | | | | Delize | | Totacii | ic . | Linyibenz | CIIC | Total Xyli | incs | Total Di | LA | C ₆ - C ₁ | 0 | > C ₁₀ - C | 28 | > C ₂₈ - 0 | C ₃₆ | (GRO+DRO+EXT DRO) |
| | | ft. bgs | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| | | 0-1 | 80.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-1 | 12/28/2021 | 2-3 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| | | 4-5 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-2 | 12/28/2021 | 0-1 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-3 | 12/28/2021 | 0-1 | 96.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-4 | 12/28/2021 | 0-1 | 288 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-5 | 12/28/2021 | 0-1 | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |

NOTES:

ft. Fee

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New 1 RECEIVED Energy Minerals and Na By IKeyes at

Energy Minerals and Na By JKeyes at 8:53 am, Apr 15, 2016

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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Release Notification and Corrective Action

| | | | | | OPER | \mathbf{A}' | TOR | | | l Report | Ш | Final | Report |
|--|---------------|-----------------|--------------|--------------------------|----------------------------|---------------------------------------|-------------------------------------|-----------|--------------------------|---------------|-----------------|----------|--------|
| Name of Co | | | | | | | bert McNeill | | | | | | |
| Address: 600 | | | d TX 79701 | | Telephone No. 432-230-0077 | | | | | | | | |
| Facility Nan | ne: PAN H | IEAD FEE # | 021H | | Facility 7 | Facility Type: Battery | | | | | | | |
| Surface Own | ner: | | | Mineral Own | er: Fee | | | | API No. | 30-025-40 | 886 | | |
| | | | | • | | TOT | EACE | | | | | | |
| TT *: T | g .: 1 | m 1: | D 1 | LOCATI | | | | T //X | 7 . 7 . | | | | |
| Unit Letter D | Section 11 | Township 17S | Range 32E | Feet from the 330 | orth/South Lir North | 1e | Feet from the 330 | | Vest Line Vest | | Coun Lea | - | ļ |
| Б | 11 | 175 | 321 | Į | | | | • | rest | | LCC | | |
| | | | | Latitude 32.855 | | | | | | | | | |
| Type of Relea | ise: | | | NATUR | Volume | | Release: | | Volume R | ecovered: | | | |
| Oil | | | | | 25 bbls | | | | 24 bbls | | | | |
| Source of Rel- Wellhead | ease: | | | | Date an 4/3/201 | | lour of Occurrence | e: | Date and F 4/3/2016 9 | Hour of Disco | overy | | |
| Was Immedia | te Notice G | iven? | | | | | Whom? | I | 4/3/2010) | .00 am | | | |
| ☐ Yes ☐ No ☒ Not Required | | | | | | | es - NMOCD | | | | | | |
| By Whom? Robert Grubbs Jr. | | | | | | | lour: 4/4/2016 6:55 | | | | | | |
| Was a Watercourse Reached? ☐ Yes ☐ No | | | | | If YES, | , Vo | lume Impacting th | ie Wate | rcourse. | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Describe Cause of Problem and Remedial Action Taken.* This release was caused by a broken chemical line the pumping tee off the | | | | | f the wellhoo | .i 1 .7 | Zaarrina tempaka riyan | a diamat | ahad ta maa | avan atan din | ~ fl.;; | a | |
| This release v | was caused | by a broken c | nemicai n | ne the pumping tee of | i tile wellilead | J. V | acuum trucks wer | e dispai | ched to rec | over standing | 3 11 u 1 | u. | |
| Describe Area | Affected a | and Cleanup A | ction Tak | en.* | | | | | | | | | |
| This release o | ccurred at t | he wellhead a | nd staved | on location. Concho | vill have the | spill | site sampled to de | elineate | any possib | le contamina | tion : | from the | e |
| | | | | lan to the NMOCD for | | | | | | ic comunina | tion . | nom un | |
| | | | | | | | | | | | | | |
| I hereby certif | fy that the i | nformation gi | ven above | is true and complete | to the best of | my | knowledge and un | nderstan | d that pursu | ant to NMO | CD r | ules and | d |
| | | | | d/or file certain releas | | | | | | | | | |
| | | | | e of a C-141 report by | | | | | | | | | |
| should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do | | | | | | | | | | | | | aiui |
| federal, state, | | | | p | | | | - · · · · | | P | | , | |
| | | | | | | | OIL CONS | SERV | ATION : | DIVISIO: | N | | |
| | T. Let | Luf | | | | | | | | | | | |
| Signature: | 122 | / | | | Annroyad | h. | Environmental Cn | vaaialist | · Jamil | leye- | | | |
| Printed Name | : Robert G | rubbs Jr. | | | Approved | Approved by Environmental Specialist: | | | | | | | |
| Title: Senior I | Environmer | ntal Coordinat | or | | Approval | Dat | e: 04/15/2016 | E | Expiration I | Date: 06/15/2 | .016 | | |
| E-mail Addre | ss. romhhe | @concho.com | | | Condition | s of | Approval: | | | | _ | | |
| L man radio | 55. ISIU00S | _ concho.com | • | | | | amples only. Delin | eate an | d remediate | Attached | _ | | |
| Date: April | 14, 2016 | | Pho | one: 432-683-7443 | | | oniples only. Denn O guidelines. | icaic all | a remediate | 1RP 424 | +9 | | |

* Attach Additional Sheets If Necessary

nJXK1610631827 pJXK1610631964 Received by OCD: 1/20/2022 11:00:50 AM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

| | Page 15 of 65 |
|----------------|---------------|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release? | (ft bgs) | | | | |
|--|------------|--|--|--|--|
| Did this release impact groundwater or surface water? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of a wetland? | | | | | |
| Are the lateral extents of the release overlying a subsurface mine? | | | | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | | | | | |
| Are the lateral extents of the release within a 100-year floodplain? | | | | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | | | | | |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | | | | | |
| Characterization Report Checklist: Each of the following items must be included in the report. | | | | | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody | ls. | | | | |

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 1/20/2022 11:00:50 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

| Page 10 01 0. | |
|---------------|----|
| | ١. |
| | • |

| Incident ID | | |
|----------------|--|--|
| District RP | | |
| Facility ID | | |
| Application ID | | |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | occ does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In |
|--|---|
| Printed Name: | Title: |
| Signature: 7478 | |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |

Received by OCD: 1/20/2022 11:00:50 AM Form C-141 State of New Mexico Page 6 Oil Conservation Division

| | Page 17 of 65 |
|----------------|---------------|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

| ☐ A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC |
|---|--|
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of | nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in |
| Printed Name | |
| Signature: _ /4 75 | Date: |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. |
| Closure Approved by: Bradford Billings | Date: |
| Printed Name: | Title: |

APPENDIX B Site Characterization Data



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

| | POD Sub- | | Q | Q | Q | | | | | | | Depth | Depth | Water |
|---------------|-------------|--------|----|----|-----|-----|-----|-----|--------|------------|----------|-------|---------|--------|
| POD Number | Code basin | County | 64 | 16 | 4 : | Sec | Tws | Rng | Х | Υ | Distance | Well | Water (| Column |
| L 04020 | L | LE | 3 | 3 | 4 | 02 | 17S | 32E | 618268 | 3636166* 🌍 | 834 | 200 | | |
| RA 11734 POD1 | RA | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616556 | 3635929 🌍 | 904 | 165 | | |
| RA 12436 POD1 | RA | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616556 | 3635929 🎒 | 904 | 160 | 125 | 35 |
| RA 11684 POD4 | RA | LE | 1 | 3 | 2 | 11 | 17S | 32E | 618334 | 3635521 🌕 | 977 | 275 | | |
| RA 11684 POD3 | RA | LE | 3 | 3 | 1 | 11 | 17S | 32E | 618262 | 3635371 🌍 | 994 | 275 | | |
| L 13050 POD1 | L | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616463 | 3635945* 🌕 | 997 | 156 | 132 | 24 |
| RA 09505 S | RA | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616463 | 3635945* 🌕 | 997 | 144 | | |
| RA 09505 | RA | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616462 | 3635944 🌕 | 998 | 147 | | |

Average Depth to Water: 128 feet

> Minimum Depth: 125 feet

Maximum Depth: 132 feet

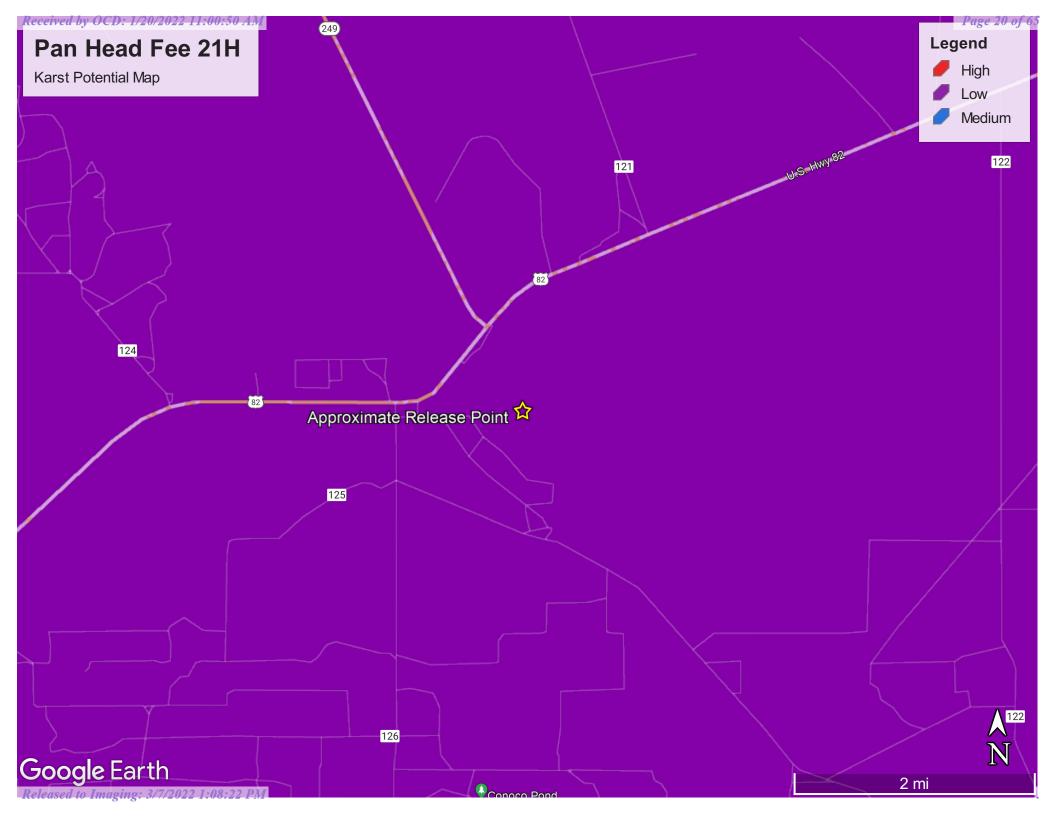
Record Count: 8

UTMNAD83 Radius Search (in meters):

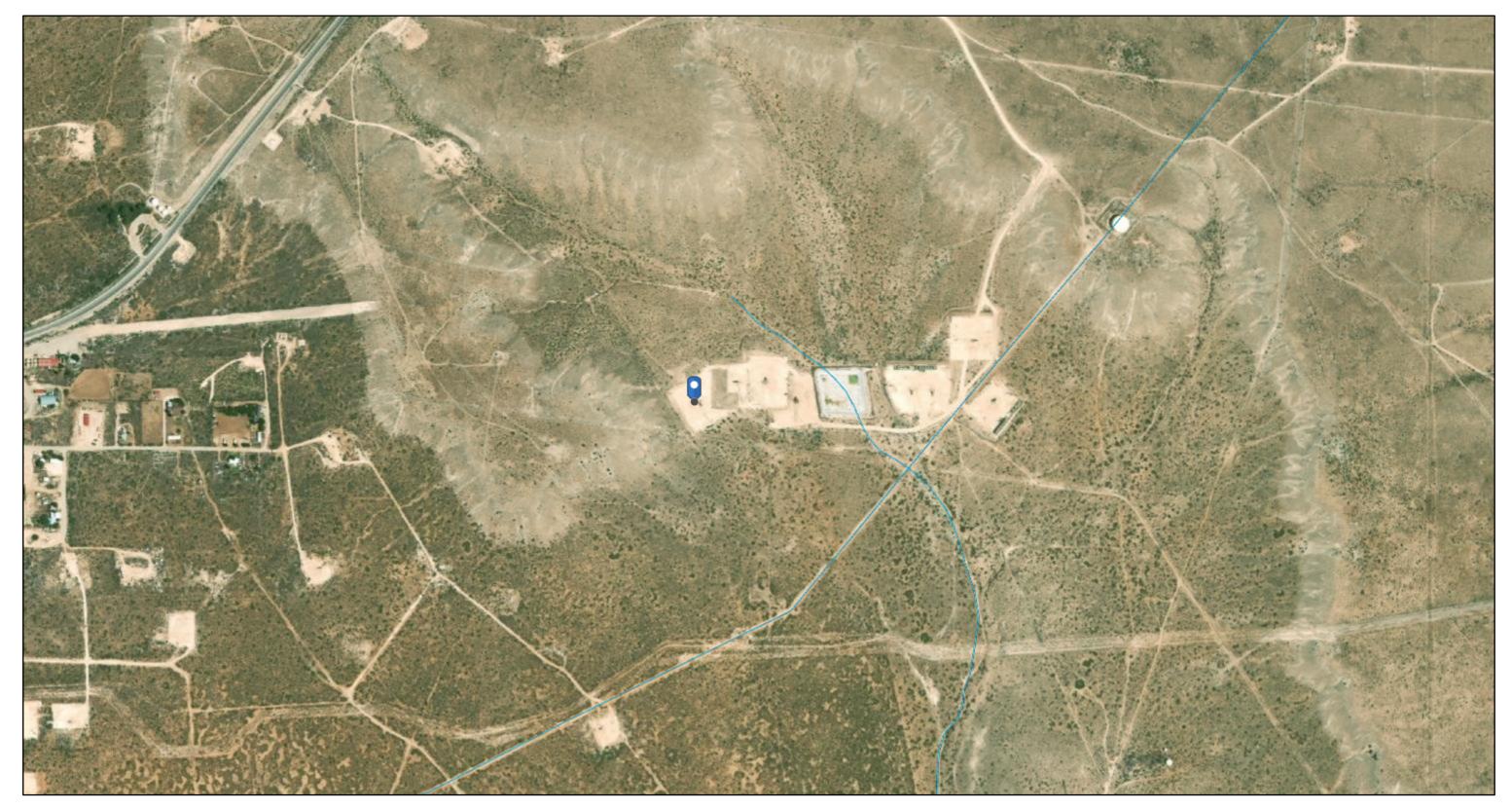
Easting (X): 617459.94 Northing (Y): 3635958.23 Radius: 1000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



OCD Waterbodies

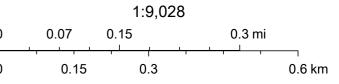


11/30/2021, 11:33:53 AM

OSE Water-bodies

PLJV Probable Playas

OSE Streams



Esri, HERE, Garmin, iPC, Maxar

APPENDIX C Laboratory Analytical Data



June 06, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: PANHEAD FEE #21H

Enclosed are the results of analyses for samples received by the laboratory on 06/01/16 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Reported: 06/06/2016

Project Name: PANHEAD FEE #21H
Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 05/20/2016

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1 - 1' (H601193-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 62.4 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.3 | % 28-171 | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

COG OPERATING
DAKOTA NEEL
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S1 - 2' (H601193-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 62.9 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.7 | % 28-171 | , | | | | | | |

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Celeg D. Freene



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S1 - 3' (H601193-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 64.1 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.5 | % 28-171 | | | | | | | |

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Celey D. Keene



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S1 - 4' (H601193-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 57.2 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.3 | % 28-171 | | | | | | | |

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Celey D. Keine



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S2 - 1' (H601193-05)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 63.4 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.7 | % 28-171 | ! | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S2 - 2' (H601193-06)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 65.7 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.3 | % 28-171 | , | | | | | | |

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Celeg D. Freene



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S2 - 3' (H601193-07)

| BTEX 8021B | mg, | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 53.7 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.4 | % 28-171 | , | | | | | | |

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Celeg & Frence



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S2 - 4' (H601193-08)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 62.4 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S3 - 1' (H601193-09)

| BTEX 8021B | mg, | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | 15.6 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 62.8 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.0 | % 28-171 | , | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S3 - 2' (H601193-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 58.9 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.6 | % 28-171 | , | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S3 - 3' (H601193-11)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 62.3 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.3 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S3 - 4' (H601193-12)

| BTEX 8021B | mg/kg | | Analyzed By: CK | | | | | | |
|--------------------------------------|---------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 % 73.6-14 | | 0 | | | | | | |
| TPH 8015M | mg/kg | | Analyzed By: CK | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 60.7 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.1 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S4 - 1' (H601193-13)

| Analyte | mg/kg | | Analyzed By: CK | | | | | | |
|--------------------------------------|---------------|-----------------|-----------------|--------------|------------|------------|---------------|-------|-----------|
| | Result | Reporting Limit | Analyzed | Method Blank | BS % Recov | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % 73.6-14 | | 0 | | | | | | |
| TPH 8015M | mg/kg | | Analyzed By: CK | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 45.0 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 62.0 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S4 - 2' (H601193-14)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/03/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/03/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 64.0 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 28-171 | ! | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S4 - 3' (H601193-15)

| BTEX 8021B | mg, | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 56.8 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.1 | % 28-171 | , | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S4 - 4' (H601193-16)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 59.8 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.2 | % 28-171 | , | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S5 - 1' (H601193-17)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 61.6 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.9 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S5 - 2' (H601193-18)

| BTEX 8021B | mg, | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 60.0 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.6 | % 28-171 | ! | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S5 - 3' (H601193-19)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 47.4 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 63.6 | % 28-171 | | | | | | | |

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Analytical Results For:

COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 06/01/2016 Sampling Date: 05/20/2016

Reported: 06/06/2016 Sampling Type: Soil

Project Name: PANHEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: S5 - 4' (H601193-20)

| BTEX 8021B | mg, | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.89 | 94.7 | 2.00 | 0.636 | |
| Toluene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.92 | 96.1 | 2.00 | 1.13 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2016 | ND | 1.74 | 87.2 | 2.00 | 2.02 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2016 | ND | 5.53 | 92.2 | 6.00 | 0.809 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.6-14 | 0 | | | | | | |
| TPH 8015M | mg, | 'kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/02/2016 | ND | 199 | 99.3 | 200 | 0.885 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/02/2016 | ND | 206 | 103 | 200 | 0.711 | |
| Surrogate: 1-Chlorooctane | 57.7 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.0 | % 28-171 | | | | | | | |

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: | COG Operating LLC | | | | - | 1 | | | | | | | | | l | | ı | l | | ı | | | | | | |
|--|--|------------------------------------|-----------------------------------|------------------------------|-----------------|--------------------------------|---|------------------|-------------------|---------------------------|---|---|--------------------------|--------|--------|---------|-----------------------------|--------------------------------|-----|---|---------|----|---|---|---|---|
| Project Manager: | Dakota Neel | | | | | | | P.O. #- | # | | OI THE | | | 1 | 1 | 7 | 7₹ | ANALYSIS | | 服 | REQUEST | TS | 1 | - | | 1 |
| Address: 2208 \ | 2208 West Main | | | | | | | S | Company: | N. | | vatina I D | | | | | | | | | | | | | | _ |
| City: Artesia | State: NM | | Zip | | 88210 | 10 | | Attn: | | | | Robert McNeill | | 1 | | | | | + | _ | | | | | | |
| Phone #: | (575) 748-6930 Fax # : | | | | | | | Ado | Address: | in . | 600 W Illinois | Illinois | | | | | | | _ | | | | | _ | | |
| Project #: | Project Owner: | ner: | | | | | | City: | | | Midland | 3 | | | | | | | _ | _ | | | | _ | | |
| Project Name: P/ | PANHEAD FEE #21h | | | | | | | Sta | State: TX | 7 | Zin: 79701 | 77 | | | | | | | | _ | | | | _ | | |
| Project Location: | | | | | | | | Phone #: | ne | | (432) 221-0388 | Σ . | | | | | | | 1,1 | | | | | _ | | |
| Sampler Name: | Nakata Nipal | | | | | | | 1 | 0 | | 402) 221-000 | à | | × | | | | | | _ | | | _ | _ | | |
| FOR LARTISE ONLY | Dakota Neel | 1 | 1 | ı | l | | | Fax #: | # | | | | | | | | | | | _ | | | | _ | | |
| FOR LAB USE ONLY | | ٥. | _ | - | MA | MATRIX | | | PRESERV. | SER | V. SAMPLING | ING | | | | | | | | _ | | | | _ | | |
| : | | (C)OMP | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | | | | | | - | | | | | | | | | | | | | | | | | | |
| H60193 | | - | CONT | VASTE | OIL | IL | LUDG | THER | CID/BA | E / CC | HER | | ΓEX | РН | loride | 4 | | | | | | | | | | |
| _ | S1-1' | | - | | | | - | - | | - | מט | 8-00 AM | × | < 1 | c | \perp | | Ť | + | + | 1 | | T | + | | T |
| 11 | \$1-2' | | | | | | | | | × | 5/20/16 | 8:00 AM | × | × | | | | | | + | | | | | | |
| -5 | \$1-3' | | + | | | | | | | × | 5/20/16 | 8:00 AM | × | × | | | | | | - | | | | | | |
| | S1-4' | \pm | + | + | | | | _ | - | × | 5/20/16 | 8:00 AM | × | × | | | | | | - | _ | | | + | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| nalyses. All claims including those for negligence and any other ervice. In no event shall Cardinal be liable for incidental or conse- filiates or successors arising out of or related to the performance (elinquished Rv. | cause whatsoever shall b quental damages, includi of services hereunder by | e deemed without ling without ling | aived ur nitation, gardless | lless m busine s of wh | ade in ss inter | writing ruption ruch cla | and re and re is, loss im is b | ceived of use | by Ca e, or lo | irrilled irrdinal ss of p | e deemed walved unless made in writing and received by Cardinal within 30 days after completion of the ng without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise | d by the client for the recompletion of the lient, its subsidiaries asons or otherwise. | e applicable s, | | | | | | | | | | | ı | L | |
| | CO: Spill | | Neceived by: | By: | | 0 | | 11/2 | | 2 | X | Phone Result: Fax Result: REMARKS: | Ħ | □ Yes | □ No | | Add'l Phone Add'l Fax #: | Add'l Phone #: Add'l Fax #: | * | | | | | | | |
| Relinquished By: | Date: | Received By: | ived | By: | 1 | 2 | 6 | 5 | 5 | | (| dneel2@concho.com lcarrasco@concho.com atruiillo@concho.com | oncho Dconc Concho | ho.com | 3 | | | | | | | | | | | |
| Delivered By: (Circle One) | ircle One) | | | Sample Condition | ole C | ond | itior | | 오 | EQ | CHECKED BY: | | | | | | | | | | | | | | | |
| Sampler - UPS - Bı | Bus - Other: 5 | 5.20 | | Cool Intact Yes Yes | S es I | Tact | es | | 1 | 1 | tials | | | | | | | | | | | | | | | |
| Please fax written | Please fax written changes to 575-393-2476 | | | | | | | - | 2 | 7 | | | | | | | | | | | | | | | | |

Page 23 of 27

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| Company Name: | COG Operating LLC | | | | | - | - | - 1 | - 1 | .000 | | | | 0 | 211 | | | 1 | ١ | ١ | ı | :l | | | 4 | 1 | 1 | | | | 1 | 1 | 1 | | 1 |
|--|--|---------------------------------------|---------------------------------|----------------------------|--|--------------------------|----------|---------------|----------------|--------------|------------------------------|-----------|----------------|--------------|--|---|----------------------|-----------------|----------|-------|---|--------------------------------|----------|----|----------|----|--------|----|---|---------|----|---|----|---|-----|
| Project Manager: | Dakota Neel | | | | | | | | | 70 10 | 0 | P.O. #: | | | | | | 1 | 1 | - | | ≥ٍ۲ | ANALYSIS | 45 | <u>v</u> | S | 조 | ع٦ | 1 | REQUEST | 17 | 4 | - | | 1 |
| Address: 2208 V | 2208 West Main | | | | | | | | | 0 | 9 | Company: | 3 | | COG Operating LLC | ating LLC | 1 | | | | | X To The | | | | 1 | | | | 15 15 | | _ | | | |
| City: Artesia | State: NM | | 2 | Zip | | 88 | 88210 | 0 | | D | Attn: | · . | | | Robert McNeill | Neill | | 1 | | | | | | | | | | | | | | | | | |
| Phone #: | (575) 748-6930 Fax #: | | | | | | | | | D | dd | Address: | S | | 600 W Illinois | llinois | | | | _ | | | | | | | | | | | | _ | | | |
| Project #: | Project Owner: | ner: | | | | | | | | C | City: | | | | Midland | a. | | | | | | | | | | | | | | _ | | | | | |
| Project Name: PA | PANHEAD FEE #21h | | | | | | | | | S | tat | State: TX | \forall | | Zip: 79701 | 2 | | | | | | | | | | | | | | | | _ | | | |
| Project Location: | | | | | | | | | | P | ь | ne ! | # | 14 | Phone #: (432) 221-0388 | ~ | | | | _ | | | | | | | | | | | | | | | 4.9 |
| Sampler Name: | Dakota Neel | | | | | | | | | 7 | 1 | | 3 | 3 | 04) 44 1-0000 | | | | | _ | | | | | | | | | | | | | _ | | |
| FOR LARLISE ONLY | Dakota Neel | ┨ | ┨ | 1 | ı | 1 | 1 | ı | ı | T | Fax #: | # | | | | | 13.5 | | | | | | | | | | | | | - | | _ | | | |
| FOR LAB USE ONLY | | P | | | - 1 | 3 | MATRIX | 공 | | | TD | ᇛ | SE | PRESERV | SAMPLING | ING | | | | | | | | | | | | | | | | | | | - |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMF | # CONTAINERS | GROUNDWATER | WASTEWATER | | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | | ICE / COOL | OTHER: | DATE | TIME | BTEX | трн | Chloride | | | | | | | | | | | | | | | | |
| Ú | \$2-1' | _ | - | | - | - | - | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | - | | | | | | | | | | | | + | + | | |
| 10 | S2-2 | + | + | | | + | - | | | | | - | × | | 5/20/16 | 8:00 AM | × | × | | | | | | | | | | | | | | | | | |
| 0- | \$2-3' | + | + | | | | - | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | | | | | | | | | | + | | |
| d | S2-4' | | | | | | | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | | | | | | | | | | | | |
| PLEASE NOTE: Liability and Dan | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether beard in contrading the state of the contrading | rany clai | | | P. Committee | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| service. All claims including those for negligence and any of service, in no event shall Cardinal be liable for incidental or of affiliates or successors arising out of or related to the perform to the performance to t | Political Politics of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Political Politics Politic | be deeme ling without y Cardina | ed wain ut limit ut, rega | ved un ation, rdless | lless l busin | made less in hethe | in w | riting uption | and and aim is | rece ss o | ived ived iuse ed u | by C | ardir oss o | nal woof pro | eemed waived unless made in writing and received by Cardinal within 30 days after without limitation, business interruptions, loss of use, or loss of profits incurred by clift in the state of which without limitation, business interruptions, loss of use, or loss of profits incurred by clift in the state of whether such claim is based upon any of the above stated rea | by the client for the completion of the a ent, its subsidiaries, sons or otherwise. | applicabl | ō | - 1 | | | | | | | | | | | | | | ŀ | | |
| Relinquished By: | Time: | 2 7 3 S | Received By: | ved 2 | P 23 B | | α | the | 68 | 6 | 7 | 2 | | 8 | | Phone Result: Yes Fax Result: Yes REMARKS: dneel2@concho.com lcarrasco@concho.com atruillo@concho.com | ilt: onch onch | ☐ Yes☐ Yes☐ Com | | No No | | Add'l Phone #: Add'l Fax #: | 77 | ax | 6 | 77 | 57. \$ | | | | | | 40 | 1 | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other | | 5.20 | 0 | | Sample Condition Cool Intact Pyes Pyes | × 2/2 ₫ | S I C | ac ac | es III | š | | 2 | CHE | 1 E X | KED BY: | | | | | | | | | | | | | | | | | | | | |
| . Please fax written | Please fax written changes to 575-393-2476 | | - 1 | - 1 | - 1 | | ľ | 1 | # | _1 | n | J | 0 | | | | | | | | | | | | | | | | | | | | | | |

Page 24 of 27

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| Company Name: | COG Operating LLC | | | | - 1 | - 1 | - 1 | 1000000 | | | 8 | B/LL TO | | 10000 | ı | 1 | | 2 | <u> </u> | ١٥ | 5 | | 4 | | | | 1 |
|--|---|---|-------------------------------|-------------------------------|-----------------|------------------|---------------------------|-----------------------------|-----------|--------------|----------|--|---|--------------|----------------------------|-------|---|--------------------------------|-------------|--------|---|---------|---|---|---|-----|---|
| Project Manager: | Dakota Neel | | - 2 | | | | | 70 | P.O. #: | # | ě | , bobosses | | 7 | | | | 7 | AINAL I OIO | 9 | | KEWOESI | 1 | 1 | - | + | 1 |
| Address: 2208 \ | 2208 West Main | | | | | | | 0 | Company: | ban | . | COG Operating LLC | ding LLC | 1 | | | | | | | | | | | | | |
| City: Artesia | State: NM | | Zip | | 88 | 88210 | | D | Attn: | | | Robert McNeill | deill g | | | | | | - | | _ | | | | | | |
| Phone #: | (575) 748-6930 Fax #: | | | | | | | A | Address: | ess | | 600 W Illinois | inois | | | | | | | | | | | | | _ | |
| Project #: | Project Owner: | er: | | | | | - | C | City: | | | Midland | | | | | | | | | | _ | | | | | |
| Project Name: P/ | PANHEAD FEE #21h | | | | | | | S | State: TX | Ė | | Zin: 79701 | • | | | | | | _ | | | _ | | | _ | | |
| Project Location: | | | | | | | | 0 | hon | # : | 14: | Phone #: (432) 221-0388 | | | | | | | | | | | | | _ | | |
| Sampler Name | Dakata Nicol | | | | | | | + | | | 3 | 06) 66 1-0000 | | | | | | | _ | | | _ | | | _ | _ | |
| Sampler Name: | Dakota Neel | | | | | | | T | Fax #: | | | | | | | 7 | | | - 3 | | | _ | | | _ | | |
| FOR LAB USE ONLY | | | | | 3 | MATRIX | × | ŀ | P | ES | PRESERV | SAMPLING | G | | | | | | _ | | | | | | _ | | |
| | | (C)OMP | | - | ER | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | RAB OR | ONTAIN | OUNDW | STEWAT | _ | IDGE | | D/BASE: | / COOL | IER : | | | X | | ride | | | | | | | | | | | |
| Soll dal | | (G)F | _ | _ | | SOIL | | отн | - | ICE / | ОТН | DATE | TIME | BTEX | ТРН | Chlor | | | | | | | | | | | |
| 2 | \$3-1' | | | | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | - | | + | 4 | 7 | + | | 1 | + | + | |
| - C | S3-2' | | | | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | + | | | _ | | | + | | |
| j = | \$3-3' | | | - | - | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | 4 | Т | | | | | | |
| 12 | S3-4' | | | | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EASE NOTE: Liability and Dan | nades. Cardinal's liability and client's exclusive serve at a | | | | | | | | | | | | | | | | | | | | | | | | | 1 2 | |
| nalyses. All claims including thos rivice. In no event shall Cardinal filiates or successors arising out | halyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witting and received by Cardinal within 30 days after completion of the applicable strice. In no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | deemed v g without li ardinal, re | waived imitatio egardle | unless in, bus ess of v | made iness i | in writ | ing an tions, claim | d rece loss of is bas | ved by | Card or loss | of the | ver shall be deemed walved unless made in writing and received by Cardinal within 30 days after c less, including without limitation, business interruptions, loss of use, or loss of profits incurred by the reunder by Cardinal, regardless of whether such claim is based upon any of the above stated reas | wald by the client for the fler completion of the a y client, its subsidiaries, y client, its subsidiaries. | applicab | ō | | | | | | | | | | 1 | | L |
| | Time: | Received By: | elve | 5 8 | 2 4 | | | 2 | | 4 | > | _ | Phone Result: Fax Result: REMARKS: | 7 | ☐ Yes | □ No | | Add'l Phone #: Add'l Fax #: | Pho | # ne # | | | | | | | |
| elinquished By: | Date: | Received By: | e v | 8 2 | * | | Q | 5 | 5 | C | 9 | | dneel2@concho.com lcarrasco@concho.com atruiillo@concho.com | onch onch | o.com cho.cor lo.com | 3 | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sa | mple | Sample Condition | nditi | 9 | | 絽 | СНЕСКЕ | ED BY: | | | | | | | | | | | | | | | |
| sampler - UPS - B | Bus - Other: 5.22 | 20 | 1 | Cool Intact Wes Wes | N S | s Inta | Z & C | · " (| | 0 | | als) | | | | | | | | | | | | | | | |
| Please fax written | Please fax written changes to 575-393-2476 | | | | | 1 | ント# | 7 | ויי | | \neg | | | | | | | | | | | | | | | | _ |

Page 25 of 27



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: | COG Operating LLC | | 1 | | ١ | | | 2 | BILLETO | | | | | 1 | | | | | | 1 | 1 | | | 1 |
|---|---|--|-------------------------------------|---|----------------------------------|--------------------------------------|--|------------|--|--|-----------------------|---------|---------|---|-----------------------------|---------------|---|---|---------|-----|---|----|-----|-------|
| Project Manager: | Dakota Neel | | | | | P.O. #: | # | Shorte | o de como de c | | - 100 | 1 | | 1 | 7 | MINALIOIO | - | 1 | אבעטבטו | 1 | | 1 | 1 | |
| Address: 2208 \ | 2208 West Main | |) | | | Cor | Company: | 4 | COG One | COG Operation I I C | - | | | | | | _ | _ | | | | | | |
| City: Artesia | State: NM | | Zip | 88210 | 0 | Attn: | ۳ ا | 1 | Robert McNeill | Neill | | | | | | | _ | - | | 3 (| | | | |
| Phone #: | (575) 748-6930 Fax #: | | | | | Adc | Address: | | 600 W Illinois | Illinois | | | | | | | | | | | | 77 | | |
| Project #: | Project Owner: | ier: | | | | City: | ה | | Midland | ۵ | | | | | | | | | | | | | | |
| Project Name: P/ | PANHEAD FEE #21h | | | | | Stat | State: TX | × | Zip: 79701 | 01 | | | | | | | | | _ | | | | | |
| Project Location: | | | | | | Pho | ne # | : (43) | Phone #: (432) 221-0388 | 20 | | | | | | | | _ | | | | | _ | |
| Sampler Name: | Nakota Neel | | | | | | | | -) | | | | | | | | | _ | _ | | | | _ | |
| sampler Name: | Dakota Neel | 1 | ł | | | Fax #: | # | | | | _ | 7 | | | | | | | | | | | _ | |
| FOR LAB USE ONLY | | MP. | | MATRIX | RIX | | PRESERV | ERV. | SAMPLING | ING | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | AB OR (C)C | NTAINERS UNDWATE | TEWATER | GE | - | BASE: | | | | | | de | | | | | | | | | | | |
| 4601193 | 7 | _ | | WAST SOIL | OIL SLUD | OTHE | | OTHE | DATE | TIME | BTEX | ТРН | Chloric | | | | | | | | | | | |
| 13 | \$4-1' | | _ | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | \forall | + | + | 4 | | | 1 | + | |
| 1 | \$4-2' | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | + | _ | | | | + | |
| 3 | \$4-3' | | - | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | + | | | | | | |
| a _l | \$4-4' | | | | | | × | | 5/20/16 | 8:00 AM | × | × | | | | | | | | | | | | - 11- |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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| neiliiquisiled by: | Date: 116 | Req | Received By: | By: | A | 5 | 2 | 2 | nson | Phone Result: Fax Result: REMARKS: | : sulf: | □ Yes | | | Add'l Phone Add'l Fax #: | hone ax #: | * | | | | | | · · | |
| Relinquished By: | Date: | R | Received By: | By: | | | | | | lcarrasco@concho.com atrujillo@concho.com | @con conch | cho.com | ã | | | | | | | | | | | |
| Delivered By: (Circle One) | | |) | Sample Condition | onditio | ă | CHE | CKE | снескер ву: | | | | | | | | | | | | | | | |
| Sampler - UPS - B | Bus - Other: | 5.20 | 6 | Cool Intact HYes HYes | Intact es 4 Yes | | D | (Initia | 18 | | | | | | | | | | | | | | | |
| Please fax written | Please fax written changes to 575-393-2476 | | | + | 7 | 2 | 0 | | | | | | | | | | | | | | | | | |



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 COG Operating LLC

| Company Name: | COG Operating LLC | | 25 A B 10 B | 3 | l | | | | | |
|--|---|--|---|--|----------------------------|-----------------|------|-----------------------------|---------|-----|
| Project Manager: | Dakota Neel | | P.O. #: | | - | + | 1 | ANALTOIS KE | KEQUEST | + |
| Address: 2208 V | 2208 West Main | | iny: | COG Operating LLC | | | | | | |
| City: Artesia | State: NM | NM Zip 88210 | | Robert McNeill | | | + | | | |
| Phone #: | (575) 748-6930 Fax #: | | ess: | 600 W Illinois | | _ | | | | |
| Project #: | Project Owner: | Owner: | | Midland | | | | | | |
| Project Name: PA | PANHEAD FEE #21h | | :: TX Zip | 9701 | | | | | | |
| Project Location: | | | (43) | 1388 | | | | | | |
| Sampler Name: | Dakota Neel | | Fav #: | | | | | | | |
| FOR LAB USE ONLY | Danota Noci | | Fax #: | | | | | | | |
| | | R R | PRESERV. | SAMPLING | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)C # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: | TIME | BTEX | TPH Chloride | | | | |
| 17 | S5-1' | | × | 8:00 AM | 4 | + | + | | - | + |
| 2 | S5-2' | | | - | + | × : | + | | | + |
| N | S5-3' | | | | + | × : | 1 | | | + |
| 8 | S5-4' | | | | | × | | | | |
| | | | | | | | | | | |
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| , | Time: | Received By: | Muson | Phone Result: Fax Result: REMARKS: | | | O No | Add'l Phone #: Add'l Fax #: | | Sec |
| Relinquished By: | Date: Time: | Received By: | | lcarrasco@concho.com atruillo@concho.com | ncho.c concho ncho.c | om om | | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other | One) Other: | Sample Condition Cool Intact Aves BYes No No | dition CHECKED BY: | | | | | | | |
| Please fax written | Please fax written changes to 575-393-2476 | 11 | PLA | | | | | | | |
| | | | すった | | | | | | | |

Page 27 of 27



December 30, 2021

SAM ABBOTT
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: PAN HEAD FEE #21H

Enclosed are the results of analyses for samples received by the laboratory on 12/28/21 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH SAM ABBOTT 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact Project Number: 212C-MD-02618 Sample Received By: Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: AH - 1 (0-1') (H213726-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/28/2021 | ND | 2.00 | 99.8 | 2.00 | 7.90 | |
| Toluene* | <0.050 | 0.050 | 12/28/2021 | ND | 1.88 | 93.9 | 2.00 | 7.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/28/2021 | ND | 1.86 | 92.8 | 2.00 | 8.74 | |
| Total Xylenes* | <0.150 | 0.150 | 12/28/2021 | ND | 5.74 | 95.7 | 6.00 | 8.98 | |
| Total BTEX | <0.300 | 0.300 | 12/28/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.1 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.2 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.0 | % 59.5-14 | 2 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Tamara Oldaker

Sample Received By:

Analytical Results For:

TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil
Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact

Project Location: COP - LEA CO NM

212C-MD-02618

Sample ID: AH - 1 (2'-3') (H213726-02)

Project Number:

| BTEX 8021B | mg, | /kg | Analyze | d By: MS/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/28/2021 | ND | 2.00 | 99.8 | 2.00 | 7.90 | |
| Toluene* | <0.050 | 0.050 | 12/28/2021 | ND | 1.88 | 93.9 | 2.00 | 7.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/28/2021 | ND | 1.86 | 92.8 | 2.00 | 8.74 | |
| Total Xylenes* | <0.150 | 0.150 | 12/28/2021 | ND | 5.74 | 95.7 | 6.00 | 8.98 | |
| Total BTEX | <0.300 | 0.300 | 12/28/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.2 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.4 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.6 | % 59.5-14 | 2 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: 212C-MD-02618 Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COP - LEA CO NM

Sample ID: AH - 1 (4'-5') (H213726-03)

BTEX 8021B

| DILX GOZID | ıııg, | , kg | Alldiyzo | a by. 1-15/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/29/2021 | ND | 2.05 | 103 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.95 | 97.7 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.93 | 96.5 | 2.00 | 1.10 | |
| Total Xylenes* | <0.150 | 0.150 | 12/29/2021 | ND | 5.99 | 99.8 | 6.00 | 0.872 | |
| Total BTEX | <0.300 | 0.300 | 12/29/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.3 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.8 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 | % 59.5-14 | 2 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: 212C-MD-02618 Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location: COP - LEA CO NM

Sample ID: AH - 2 (0-1') (H213726-04)

RTFY 8021R

| BIEX 8021B | mg | /кд | Anaiyze | ea By: MS/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/29/2021 | ND | 2.05 | 103 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.95 | 97.7 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.93 | 96.5 | 2.00 | 1.10 | |
| Total Xylenes* | <0.150 | 0.150 | 12/29/2021 | ND | 5.99 | 99.8 | 6.00 | 0.872 | |
| Total BTEX | <0.300 | 0.300 | 12/29/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.1 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.3 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.0 | % 59.5-14 | 2 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: 212C-MD-02618 Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location: COP - LEA CO NM

Sample ID: AH - 3 (0-1') (H213726-05)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | a By: MS/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/29/2021 | ND | 2.05 | 103 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.95 | 97.7 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.93 | 96.5 | 2.00 | 1.10 | |
| Total Xylenes* | <0.150 | 0.150 | 12/29/2021 | ND | 5.99 | 99.8 | 6.00 | 0.872 | |
| Total BTEX | <0.300 | 0.300 | 12/29/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.8 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.2 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.6 | % 59.5-14 | 2 | | | | | | |
| | | | | | | | | | |

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Celey D. Keine



Analytical Results For:

TETRA TECH
SAM ABBOTT
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact
Project Number: 212C-MD-02618 Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COP - LEA CO NM

Sample ID: AH - 4 (0-1') (H213726-06)

BTEX 8021B

| | 9, | 9 | 7 | 7: : : : 0, | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/29/2021 | ND | 2.05 | 103 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.95 | 97.7 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.93 | 96.5 | 2.00 | 1.10 | |
| Total Xylenes* | <0.150 | 0.150 | 12/29/2021 | ND | 5.99 | 99.8 | 6.00 | 0.872 | |
| Total BTEX | <0.300 | 0.300 | 12/29/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.6 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.8 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.1 | % 59.5-14 | 2 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 12/28/2021 Sampling Date: 12/28/2021

Reported: 12/30/2021 Sampling Type: Soil

Project Name: PAN HEAD FEE #21H Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C-MD-02618 Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: AH - 5 (0-1') (H213726-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS/ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/29/2021 | ND | 2.05 | 103 | 2.00 | 1.83 | |
| Toluene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.95 | 97.7 | 2.00 | 1.23 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/29/2021 | ND | 1.93 | 96.5 | 2.00 | 1.10 | |
| Total Xylenes* | <0.150 | 0.150 | 12/29/2021 | ND | 5.99 | 99.8 | 6.00 | 0.872 | |
| Total BTEX | <0.300 | 0.300 | 12/29/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.8 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/29/2021 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2021 | ND | 200 | 99.9 | 200 | 4.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2021 | ND | 220 | 110 | 200 | 6.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.1 | % 66.9-13 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.7 | % 59.5-14 | 2 | | | | | | |

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: The | 2 | BILL TO | ANALYSIS REQUEST |
|--|--|--|---|
| Project Manager: Abb | boote | P.O. #: | |
| Address: | | Company: Tetra Tect | 013 |
| City: | State: Zip: | Attn: Son Abbots | 26 |
| Phone #: | Fax #: | Address: | |
| Project #: 202-MD-026 | 18 Project Owner: Consta Phyllips | City: | |
| Project Name: Lan Head | Fre421H | State: Zip: | |
| Project Location: Los Com | An, MM | Phone #:5/2-739-7 | 874 80 |
| Sampler Name: Cotton K | TOK ROLLEY | Fax #: | 6.60 |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | B |
| Lab I.D. Sample I.D. | 3 OR (C)OMP TAINERS NDWATER EWATER | ASE: | X 8024 8015M |
| HABTAL | # CON | OTHER ACID/B ICE / C OTHER | |
| A4-1 60-10 | . - | × | XXX |
| 3 44-1 /2-3 | | | |
| YAM-26-1 | | | |
| 6 AH-4 10-10 | | | |
| 7 AM-5 LO-1 | * | * | * * * |
| | | | |
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| Relinquished By: | Date: 12/28/24 | John Marie Control | Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: Received By: | The state of the s | Ernett Inverse result to San About |
| Delivered By: (Circle One) | Observed Temp. °C 1/5 Sample Condition | CHECKED BY: (Initials) | Turnaround Time: Standard M Bacteria (only) Sample Condition Cool Infact Observed Temp. °C |
| Sampler - UPS - Bus - Other: | - m | 1 | ∐Yes ∐ Yes |

APPENDIX D Photographic Documentation



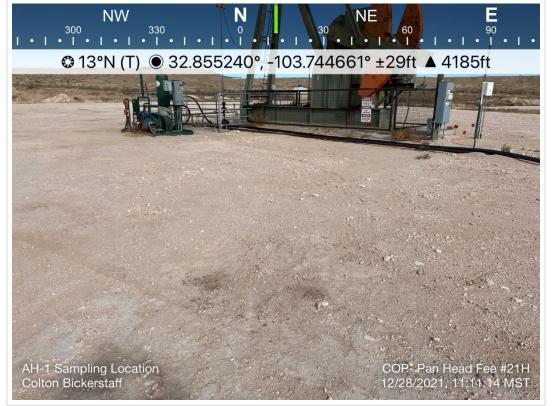
| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View west-southwest. Site signage; operator, location, and various information. | 1 |
|------------------------------|-------------|---|------------|
| 212C-MD-02618 | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. | DESCRIPTION | View east-southeast. Marked buried utility from pumping unit. | 2 |
|------------------------------|-------------|---|------------|
| PROJECT NO. 212C-MD-02618 | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View west-northwest. Southeast portion of pad and pumping unit. | 3 |
|---------------------------------|-------------|---|------------|
| 212C-MD-02618 | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. | DESCRIPTION | View north. AH-1 sampling location. | 4 |
|------------------------------|-------------|-------------------------------------|------------|
| PROJECT NO. 212C-MD-02618 | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-02618 | DESCRIPTION | View east. AH-2 sampling location. | 5 |
|--|-------------|------------------------------------|------------|
| | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-02618 | DESCRIPTION | View south. AH-3 sampling location. | 6 |
|--|-------------|-------------------------------------|------------|
| | SITE NAME | Pan Head Fee 21H | 12/28/2021 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-02618 | DESCRIPTION | View west-northwest. AH-4 sampling location. | 7 |
|--|-------------|--|------------|
| | SITE NAME | Pan Head Fee 21H | 12/28/2021 |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 73868

CONDITIONS

| Operator: | OGRID: |
|--------------------|---|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 73868 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|-------------------|
| bbillings | None | 3/7/2022 |