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December 10, 2018

Christina Hernandez New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 1 1625 French Drive Hobbs, NM 88240

Ryan Mann Hobbs Field Office New Mexico State Land Office 2827 North Dal Paso Street, Suite 117 Hobbs, NM 88240

Re: Remediation Summary and Closure Report White Falcon 16 State #023H API No.30-025-43699 GPS: Latitude 32.13689 Longitude -103.377934 UL "D", Sec. 16, T25S, R35E Lea County, NM NMOCD Ref. No. 1RP-4881

TRC Environmental Corporation (TRC), on behalf of COG Operating, LLC (COG), has prepared this Remediation Summary and Closure Report for the Release Site known as the **White Falcon 16 State #023H.** Details of the release are summarized below:

| RELEASE DETAILS | | | | | | | | | |
|---------------------------|----------------|----------------------------|--------------------|----------|--|--|--|--|--|
| Type of Release: | Produced Water | Volume of Release: | 53 bbls | | | | | | |
| Type of Release. | | Volume Recovered: | 15 bbls | | | | | | |
| Source of Release: | Flowline | Date of Release: 11/18/17 | Date of Discovery: | 11/18/17 | | | | | |
| Was Immediate Notice Give | n? Yes | If, YES, to Whom? | NMOCD District I/N | MSLO | | | | | |
| Was a Watercourse Reache | d? No | If YES, Volume Impacting t | he Watercourse: | NA | | | | | |
| Surface Owner: | State | Mineral Owner: | State | | | | | | |

Describe Cause of Problem and Remedial Action Taken:

A third party contractor struck a buried poly flowline coming from the White Falcon 16 State #00I H Battery while digging. The line was repaired and put back in service.

Topographical and Aerial Maps are provided as Attachments #1 and #2. General Site Photographs are provided as Attachment #8. A Copy of the Initial Release Notification and Corrective Action (NMOCD Form C-141) is provided as Attachment #9.

REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste which occur during normal oilfield operations are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment, remediation and closure procedures based on the type and volume of the release and site characterizations, including proximity to sensitive receptors and depth to groundwater, which may be used to determine a Total Ranking Score as follows:

| Site Characteristics | |
|--|------------------|
| Approximate Depth to Groundwater | ~125 ft - 150 ft |
| Within 300 ft. of any continuously flowing or significant watercourse? | 🗌 Yes 🗹 No |
| Within 200 ft. of any lakebed, sinkhole, or playa lake? | 🗌 Yes 🗹 No |
| Within 300 ft. of an occupied permanent residence, school, hospital, or institution? | 🗌 Yes 🗹 No |
| Within 500 ft. of a spring or private, domestic fresh water well? | 🗌 Yes 🗹 No |
| Within 1,000 ft. of any fresh water well? | 🗌 Yes 🗹 No |
| Within the incorporated municipal boundaries or within a municipal well field? | 🗌 Yes 🗹 No |
| Within 300 ft. of a wetland? | 🗌 Yes 🗹 No |
| Within the area overlying a subsurface mine? | 🗌 Yes 🗹 No |
| Within an unstable area? | 🗌 Yes 🗹 No |
| Within a 100-year floodplain? | 🗌 Yes 🗹 No |

A search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within a 1 Mile radius of the Release Site and identify any registered water wells within a 1/2 Mile of the Release Site. If none were identified, the approximate depth to groundwater was extrapolated from a Depth to Groundwater Map utilized by the NMOCD. Depth to groundwater information is provided as Attachment #4.

Based on the approximate depth to groundwater and site characteristics, the NMOCD Closure Criteria are as follows:

| Closure | Table I Criteria for Soils Impacted | by a Release | |
|---|--|-------------------------------------|--------------|
| Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS | Constituent | Method* | Limit** |
| | Chloride*** | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 2,500 mg/kg |
| ≥ 100 ft | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | ВТЕХ | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

INITIAL SITE ASSESSMENT

On June 25, 2018, an initial site investigation was conducted at the Site. During the initial site investigation, seven (7) soil samples were collected from three (3) locations (SP-1 through SP-3) within the release margins in an effort to determine the vertical extent of soil impact. In addition, one (1) soil sample was collected from the inferred southern edge of the release margins in an effort to determine the horizontal extent of soil impact. The collected soil samples were submitted to an NMOCD-approved laboratory for analysis of chloride concentrations. Laboratory analytical results indicated soil was affected above the NMOCD Closure Criteria at sample point SP-3 at eight (8) ft. bgs. On August 17, 2018, a geoprobe was utlized to collect three (3) additional soil samples from the area characterized by sample point SP-3. In addition, three (3) soil samples were collected from the release margins. The collected soil samples were submitted to an NMOCD-approved laboratory analytical results from the release margins. The collected soil samples were collected from the remaining inferred edges of the release margins. The collected soil samples were submitted to an SMOCD-approved laboratory analytical results from soil samples were submitted to an SMOCD-approved laboratory for analysis of chloride. A table summarizing laboratory analytical results from soil samples collected during the initial site assessment is provided below:

| | | Con | centrati | ons of B | ГЕХ, ТРН | and/or | Chloride | in Soil | | | |
|------------|-------------|-------|----------------|--------------------|----------|--------|--|---|--|---|---------------------|
| | | | | SW 846 | 5 8021B | | SW | 846 8015M E | xt. | | E 300 |
| Sample ID | Date | Depth | Soil Status | Benzene (mg/kg) | | | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₅ (mg/kg) | TPH C ₆ -C ₃₅ (mg/kg) | Chloride (mg/kg) |
| SP-1 @1' | 6/25/2018 | 1' | In-Situ | - | - | - | - | - | - | - | 836 |
| SP-1 @4' | 6/25/2018 | 4' | In-Situ | - | - | - | - | - | - | - | 3,060 |
| SP-1 @8' | 6/25/2018 | 8' | In-Situ | - | - | - | - | - | - | - | 193 |
| SP-2 @1' | 6/25/2018 | 1' | In-Situ | - | - | - | - | - | - | - | 65.3 |
| SP-3 @ 1' | 6/25/2018 | 1' | In-Situ | - | - | - | - | - | - | - | 1,550 |
| SP-3 @4' | 6/25/2018 | 4' | In-Situ | - | - | - | - | - | - | - | 1,580 |
| SP-3 @8' | 6/25/2018 | 8' | In-Situ | - | - | - | - | - | - | - | 11,400 |
| S @ 6" | 6/25/2018 | 6" | In-Situ | - | - | - | - | - | - | - | 251 |
| SB-1 @ 8' | 8/17/2018 | 8' | In-Situ | - | - | - | - | - | - | - | 6,540 |
| SB-1 @ 10' | 8/17/2018 | 10' | In-Situ | - | - | - | - | - | - | - | 314 |
| SB-1 @ 12' | 8/17/2018 | 12' | In-Situ | - | - | - | - | - | - | - | 7.14 |
| N @ 6" | 8/17/2018 | 6" | In-Situ | - | - | - | - | - | - | - | 5.17 |
| W @ 6" | 8/17/2018 | 6" | In-Situ | - | - | - | - | - | - | - | 25.1 |
| E @ 6' | 8/17/2018 | 6" | In-Situ | - | - | - | - | - | - | - | <4.95 |
| CI | osure Crite | eria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 20,000 |

A "Site & Sample Location Map" is provided as Attachment #3. Field Data, if applicable, is provided as Attachment #5. Laboratory analytical reports are provided as Attachment #6.

REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, COG proposed the following remediation activities designed to advance the Release Site toward an NMOCD approved closure:

•Utilizing mechanical equipment, excavate impacted soil within the release margins in the area characterized by sample points SP-1, SP-3 and SB-1 to a depth of approximately four (4) ft. bgs, or until laboratory analytical results from confirmation soil samples indicate concentrations of chloride are below the applicable NMOCD Closure Criteria.

•Excavate impacted soil within the release margins in the area characterized by sample point SP-2 to a depth of approximately one (1) ft. bgs, or until laboratory analytical results from confirmation soil samples indicated concentrations of chloride are below the applicable NMOCD Closure Criteria.

• Excavated soil will be temporarily stockpiled on-site, atop a poly liner, pending transportation under manifest to a NMOCD-approved disposal facility.

• Upon receiving favorable laboratory analytical results from confirmation soil samples (below the NMOCD Closure Criteria) excavated areas will be backfilled with locally sourced, non-impacted "like" material, at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite excavation confirmation soil samples will be collected from the excavation sidewalls **in each cardinal direction**, representing no more than **50 linear ft**. A minimum of one (1) representative five-point composite excavation confirmation soil sample will be collected from the base of the excavated area representing every **600 square feet**. Additional "discrete" confirmation soil samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

SUMMARY OF FIELD ACTIVITIES

Impacted soil within the release margins was excavated and temporarily stockpiled on-site, atop an impermeable liner, pending final disposition. The floor and sidewalls of the excavation were advanced in accordance with the approved workplan. Upon excavating impacted soil from within the release margins, fifteen (15) confirmation soil samples were collected from the floor and sidewalls of the excavated area representing no more than 600 SqFt. The collected soil samples were submitted to the laboratory for analysis of chloride concentrations. Upon receiving laboratory analytical results exhibiting concentrations below NMOCD RRAL, the impacted soil was transported to a NMOCD-approved facility and the excavated area was backfilled with locally sourced, non-impacted "like" material. Additionally, as per the approved workplan stipulation, one (1) soil bore was collected in the area represented by sample point SP-3 and submitted to the laboratory for analysis of chloride concentrations, in an effort to determine the extent of vertical impact. TRC revistied the Site on 10/24/2018 and collected additional surface samples to determine concentrations of BTEX and TPH. Figure 3 depicts the locations of confirmation soil samples. A table summarizing laboratory analytical results from confirmation soil samples is provided below:

| | Concentrations of BTEX, TPH and/or Chloride in Soil | | | | | | | | | | |
|-----------------|---|-------|----------------|--------------------|-----------------|---|--|---|--|---|---------------------|
| | | | | SW 846 | 5 8021B | | SW | 846 8015M E | xt. | | E 300 |
| Sample ID | Date | Depth | Soil Status | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | EXT DRO C ₂₈ -C ₃₅ (mg/kg) | TPH C ₆ -C ₃₅ (mg/kg) | Chloride (mg/kg) |
| SP-1B @ Surface | 10/24/2018 | Surf. | Excavated | <0.050 | <0.300 | <10.0 | 20.1 | 20.1 | <10.0 | 20.1 | - |
| SP-2B @ Surface | 10/24/2018 | Surf. | Excavated | <0.050 | <0.300 | <10.0 | 286 | 286 | 12.4 | 298.4 | - |
| SP-3B @ Surface | 10/24/2018 | Surf. | Excavated | <0.050 | <0.300 | <10.0 | 112 | 112 | <10.0 | 112 | - |
| | | | | | | | | | | | |
| FL 1 | 11/13/2018 | 4' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 160 |
| FL 2 | 11/13/2018 | 4' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| FL 3 | 11/13/2018 | 1' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 256 |
| FL 4 | 11/13/2018 | 4' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| FL 5 | 11/13/2018 | 4' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SP-3 NSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SP-3 SSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 336 |
| SP-3 ESW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| SP-3 WSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 224 |
| SP-2 NSW | 11/13/2018 | 6" | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| SP-2 SSW | 11/13/2018 | 6" | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 304 |
| SP-1 NSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SP-1 SSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 160 |
| SP-1 ESW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| SP-1 WSW | 11/13/2018 | 2' | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 128 |
| CI | osure Crite | ria | | 10 | 50 | - | - | 1,000 | - | 2,500 | 20,000 |

A Photographic Log is provided as Attachment #8

SITE CLOSURE REQUEST

Based on laboratory analytical results from confirmation soil samples collected during the remediation activities, impacted soil within the release margins was determined below the Table I of 19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release. TRC on behalf of COG, respectfully requests the NMOCD and New Mexico State Land Office (NMSLO) grant closure approval for the White Falcon 16 State #023H, which occured on November 17, 2017.

RESTORATION, RECLAMATION AND RE-VEGETATION

Areas affected by the Release and associated remediation activities will be substantially restored to the condition which existed prior to the Release to the maximum extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with "Homesteaders" seed mixture during the first favorable growing season, following closure of the site, in accordance with the applicable regulatory agency.

If you have any questions, or if additional information is required, please feel free to contact Becky Haskell or either of the undersigned by phone or email.

Respectfully,

| Zachary Conder | | Curt Stanley |
|------------------------|----------------|------------------------------|
| Operations Mana | ger | Senior Project Manager |
| zconder@trcsolut | ions.com | cdstanley@trcsolutions.com |
| (432) 234-5084 | | (432) 559-3296 |
| | | |
| Attachments: | Attachment #1- | Figure 1 - Topographical Map |
| | Attachment #2- | Figure 2 - Aerial Map |

| Attachment #2- | Figure 2 - Aerial Map |
|----------------|---|
| Attachment #3- | Figure 3 - Site & Confirmation Sample Location Map |
| Attachment #4- | Depth to Groundwater Information |
| Attachment #5- | Field Data |
| Attachment #6- | Laboratory Analytical Reports |
| Attachment #7- | Soil Profile |
| Attachment #8- | General Site Photographs |
| Attachment #9- | Release Notification and Corrective Action (FORM C-141) |
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Released to Imaging: 11/9/2022 12:05:09 PM

Site Name: White Falcon 10 State #02311

Date: <u>8/17/2018</u>

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Field Observation Log

| ID | Cl- | Odor/PID |
|----------|----------|----------|
| 5B-106" | 72,400 | Wine |
| 5B-108 | 72,600 | None |
| 5B-1010' | 260 | None |
| 48-1P12' | 2120 | None |
| GPS: | <u> </u> | |

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| NP6 | ч | 1120 | None |
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| FL1 | 205 | None | \$Banton | | utson | | | | |
| FLZ FL3 | 348 335 | None | SPI-NSW | | None | _ | | | |
| FL 4 | 262 | None | SPI-ESW | | None | | | | |
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| FL5 | 141 | None | SPI-WSW | 259 | None | | ID | Cl- | Odor/PID |
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Analytical Report 590553

for TRC Solutions, Inc

Project Manager: Joel Lowry

White Falcon 16 State 023H

02-JUL-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-17-16), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-17-12) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-17-16) Xenco-Odessa (EPA Lab Code: TX00158): Texas (T104704400-18-15) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757) Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429) Xenco-Lakeland: Florida (E84098) Received by OCD: 11/9/2022 12:01:12 PM



02-JUL-18

Project Manager: **Joel Lowry TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **590553** White Falcon 16 State 023H Project Address: Lea Co., NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 590553. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 590553 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Julian Martinez Odessa Laboratory Director

> Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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Sample Cross Reference 590553



TRC Solutions, Inc, Midland, TX

White Falcon 16 State 023H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|----------------|--------------|---------------|
| SP-1 @1' | S | 06-25-18 15:00 | 1 ft | 590553-001 |
| SP-1 @4' | S | 06-25-18 15:10 | 4 ft | 590553-002 |
| SP-1 @8' | S | 06-25-18 15:20 | 8 ft | 590553-003 |
| SP-2 @1' | S | 06-25-18 15:30 | 1 ft | 590553-004 |
| SP-3 @1' | S | 06-25-18 15:40 | 1 ft | 590553-005 |
| SP-3 @4' | S | 06-25-18 15:50 | 4 ft | 590553-006 |
| SP-3 @8' | S | 06-25-18 16:00 | 8 ft | 590553-007 |
| SP @ 6" | S | 06-25-18 16:10 | 6 ft | 590553-008 |



CASE NARRATIVE

Client Name: TRC Solutions, Inc Project Name: White Falcon 16 State 023H

Project ID: Work Order Number(s): 590553

BORATORIES

Report Date: 02-JUL-18 Date Received: 06/27/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3055169 Inorganic Anions by EPA 300

Lab Sample ID 590553-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 590553-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.



Project Id: Contact: Joel Lowry

Project Location: Lea Co., NM

Certificate of Analysis Summary 590553

TRC Solutions, Inc, Midland, TX Project Name: White Falcon 16 State 023H



Date Received in Lab:Wed Jun-27-18 10:15 amReport Date:02-JUL-18Project Manager:Kelsey Brooks

| | Lab Id: | 590553-0 | 01 | 590553-0 | 590553-002 | | 03 | 590553-0 | 04 | 590553-0 | 005 | 590553-0 | 06 |
|---------------------|------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|-------|-----------------|------|
| Analysis Requested | Field Id: | SP-1 @ | 1' | SP-1 @4' | | SP-1 @8' | | SP-2 @ | 1' | SP-3 @1' | | SP-3 @4' | |
| Anulysis Kequesieu | Depth: | 1- ft | 1- ft | | 4- ft | | 8- ft | | 1- ft | | 1- ft | | |
| | Matrix: | SOIL | SOIL | | SOIL | | SOIL | | | SOIL | | SOIL | |
| | Sampled: | Jun-25-18 1 | Jun-25-18 15:00 | | Jun-25-18 15:10 | | Jun-25-18 15:20 | | 5:30 | Jun-25-18 15:40 | | Jun-25-18 15:50 | |
| Chloride by EPA 300 | Extracted: | Jun-29-18 1 | 0:30 | Jun-29-18 10:30 | | Jun-29-18 10:30 | | Jun-29-18 10:30 | | Jun-29-18 10:30 | | Jun-29-18 10:30 | |
| | Analyzed: | Jun-29-18 1 | Jun-29-18 13:13 | | Jun-29-18 13:29 | | Jun-29-18 13:34 | | 3:40 | Jun-29-18 13:45 | | Jun-29-18 14:01 | |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 836 | 4.99 | 3060 | 24.9 | 193 | 4.94 | 65.3 | 4.97 | 1550 | 24.8 | 1580 | 24.9 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Julian Martinez Odessa Laboratory Director



Project Id:Contact:Joel LowryProject Location:Lea Co., NM

Certificate of Analysis Summary 590553

TRC Solutions, Inc, Midland, TX Project Name: White Falcon 16 State 023H



Date Received in Lab:Wed Jun-27-18 10:15 amReport Date:02-JUL-18Project Manager:Kelsey Brooks

| | Lab Id: | 590553-007 | 590553-008 | | | |
|---------------------|------------|-----------------|-----------------|---|--|--|
| Analysis Requested | Field Id: | SP-3 @8' | SP @ 6" | | | |
| Anulysis Kequesieu | Depth: | 8- ft | 6- ft | | | |
| | Matrix: | SOIL | SOIL | | | |
| | Sampled: | Jun-25-18 16:00 | Jun-25-18 16:10 | | | |
| Chloride by EPA 300 | Extracted: | Jun-29-18 10:30 | Jun-29-18 10:30 | 1 | | |
| | Analyzed: | Jun-29-18 14:07 | Jun-29-18 14:12 | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | |
| Chloride | | 11400 99.4 | 251 4.92 | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Julian Martinez Odessa Laboratory Director

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Flagging Criteria



Page 20 of 72

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection LimitSDLSample Detection LimitLOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- DL Method Detection Limit
- NC Non-Calculable

| SMP Client Sample | | BLK | Method Blank | Aethod Blank | | | | | |
|-------------------|---|-----------|----------------------------|---------------------------------|--|--|--|--|--|
| BKS/LCS | S Blank Spike/Laboratory Control Sample | BKSD/LCSD | Blank Spike Duplicate/Labo | ratory Control Sample Duplicate | | | | | |
| MD/SD | Method Duplicate/Sample Duplicate | MS | Matrix Spike | MSD: Matrix Spike Duplicate | | | | | |

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



BS / BSD Recoveries



Page 21 of 72

Project Name: White Falcon 16 State 023H

| Work Order #: 590553 Project ID: | | | | | | | | | | | | | |
|----------------------------------|--|--|-------------------------------|----------------|--------------------------|----------------------|----------------------------------|-----------------------------|------------------------|----------|-------------------------|---------------------------|------|
| Analyst: | SCM | | D | ate Prepai | red: 06/29/201 | .8 | Date Analyzed: 06/29/2018 | | | | | | |
| Lab Batch ID: | Lab Batch ID: 3055169 Sample: 7657603-1-BKS Batch #: 1 | | | | | Matrix: Solid | | | | | | | |
| Units: | mg/kg | | | BLAN | K /BLANK S | SPIKE / I | BLANK S | SPIKE DUP | LICATE | RECOVI | ERY STUI | ΟY | |
| | Chloride by EPA | | Blank Sample Result [A] | Spike Added | Blank Spike Result | Blank Spike %R | Spike Added | Blank Spike Duplicate | Blk. Spk Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Analy | tes | | | [B] | [C] | [D] | [E] | Result [F] | [G] | | | | |
| Chloride | | | <4.99 | 250 | 250 | 100 | 250 | 246 | 98 | 2 | 90-110 | 20 | |

Relative Percent Difference RPD = $200^{*}|(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100^{*}(C)/[B]$ Blank Spike Duplicate Recovery [G] = $100^{*}(F)/[E]$ All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: White Falcon 16 State 023H



| Work Order # : | 590553 | | | | | | Project ID |): | | | | |
|-------------------------|---------------------|--|----------------|--------------------------------|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID: | 3055169 | QC- Sample ID: | 590546 | -003 S | Ba | tch #: | 1 Matrix | k: Soil | | | | |
| Date Analyzed: | 06/29/2018 | Date Prepared: | 06/29/2 | 018 | An | alyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike Added | Spiked Sample Result [C] | Spiked Sample %R | Spike Added | Duplicate Spiked Sample Result [F] | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| | Analytes | [A] | [B] | [C] | ⁷⁶ K [D] | E] | Kesut [F] | 56K [G] | 70 | 70K | 70KFD | |
| Chloride | | <4.92 | 246 | 247 | 100 | 246 | 243 | 99 | 2 | 90-110 | 20 | |
| Lab Batch ID: | 3055169 | QC- Sample ID: | 590553 | -001 S | Ba | tch #: | 1 Matrix | k: Soil | | | | |
| Date Analyzed: | 06/29/2018 | Date Prepared: | 06/29/2 | 018 | An | alyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | N | IATRIX SPIK | E / MAT | RIX SPI | IKE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike | Spiked Sample Result | Sample | | Duplicate Spiked Sample | - | RPD | Control Limits | Control Limits | Flag |
| | Analytes | [A] | Added [B] | [C] | %R [D] | Added [E] | Result [F] | %R [G] | % | %R | %RPD | |
| Chloride | | 836 | 250 | 1020 | 74 | 250 | 1020 | 74 | 0 | 90-110 | 20 | Х |

Matrix Spike Percent Recovery $[D] = 100^{*}(C-A)/B$ Relative Percent Difference RPD = $200^{*}|(C-F)/(C+F)|$ Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Page 9 of 12

San Antonio, Texas (210-509-3334) CHAIN OF CUSTODY Page 1 Of 1

| | | | | WWW | www.xenco.com | com | | | | | | | | | | | | | Xe | Xenco Job # | ÷ * | | Ľ | 00557 | ر |
|---|---------------------------|--|--------------------------------|-------------------------|---------------------------------------|------------------------|----------|---------|------------------------------------|-----------|-------------------|---------|------------------|-----------|----------------------------|------------------------|--------|------------------|--------------------------|-------------------|--------|-------------------------|--------|--|--|
| | | | | | | | | | | | | | | | Þ | Analytical Information | sal In | ľorma | tion | | | | | | Matrix Codes |
| Client / Reporting Information | | | Project | Project Information | ltion | | | | | | | | | | | | | _ | | | | | | | |
| Company Name / Branch: TRC Environmental Corporation | 5 9 | Project Name/Number: White Falcon 16 State 023H | mber: A State 023 | r | | | | | | | | | | | | | | | | | | | | | W = Water |
| Company Address: | P | Project Location: | 0 01010 010 | - | | | | | | | | | | | | | | | | | | | | | GW =Ground Water |
| 2057 Commerce Drive Midland TX 79703 | | Lea Co, NM | | | | | | | | | | | | | | | | | | | | | | | DW = Drinking Water |
| Email: Phone No: | 5 | Invoice To: | | | | | | | | | | | | | | | | | | | | | | | SW = Surface water |
| ilowry@trcsolutions.com 432-466-4450 | - 0 | COG Operating C/O Becky Haskell | 3/O Becky Has | ikeli | | | | | | | | | | | | | | | | | | | | | SL = Sludge OW =Orean/Sea Water |
| Project Contact: Joel Lowry | 51 | invoice: | - | | | | | | | | | | xt | | | | | | | | | | | | WI = Wipe |
| Samplers's Name Joel Lowry | | | | | | | | | | | | | ΛE | | В | | | | | | | | | | WW= Waste Water |
| | | Collection | | | | 4 | | 8 | | | Ē | | 5 N | | 21 | | | | | | | | | | A = Air |
| | | CONSCREDE | | | | | | 979 | Served | a bollies | lies | | 015 | | 802 | | | | | | | | | | |
| No. Field ID / Point of Collection | Sample | | | | # 9. | OH/Zn | otate | 504 | он | HSO4 | ОН | NE | РН 8 | hloric | TEX | | | | | | | | | | |
| | | Date | | MathX D | T samod | N | ╇ | н | N | N | м | N | Т | + | E | T | t | ╈ | ╋ | ╋ | ╇ | L | | | Field Comments |
| 1 SP-1 @ 1' | 4 | 6/25/2018 | 3:00 | v | | | | | | | | | | × | | | | _ | | | | | | | |
| 2 SP-1 @ 4' | 4' | 6/25/2018 | 3:10 | s | ـــــــــــــــــــــــــــــــــــــ | | | | | | | | | x | | | | | | | | | | | |
| 3 SP-1 @ 8' | œ | 6/25/2018 | 3:20 | s | - | | | | | | | | | × | | | | | | | _ | | | | |
| 4 SP-2 @ 1' | 4 | 6/25/2018 | 3:30 | s | | | | | | | | | | × | | | | - | | | | _ | | | |
| 5 SP-3 @ 1' | 4. | 6/25/2018 | 3:40 | s | | | | | | | | | | × | | | | | -+ | | | | | | |
| 6 SP-3 @ 4' | 4. | 6/25/2018 | 3:50 | s | | | | | | | | | | × | | | | | | | - | | | | |
| 7 SP-3 @ 8' | 8 | 6/25/2018 | 4:00 | s | - | | | | | | | | | × | | | _ | | _ | _ | | | | | |
| 8 S@6" | 6 <u>,</u> | 6/25/2018 | 4:10 | s | <u> </u> | | | | | | | | | × | | | _ | | | | | | | | |
| g | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | _ | | | Dat | Data Deliverable Information | able info | ormatio | | | | | | | | | | 22629 | Notes: | š: | | | | | | |
| Same Day TAT 5 Day TAT | | | Level | Levei II Std QC | n | | | لا ۲ | Level IV (Full Data Pkg /raw data) | (Full | Data | Pkg | Iraw | data) | | | ilov | N@t | lowry@trcsolutions.com | utions | ;.com | | | | bcooper@trcsolutions.com |
| Next Day EMERGENCY | | | Level | Level III Std QC+ Forms | C+ Forr | ns | | | TRRP Level IV | el l' | < | | | | | | Tha | skellø | rhaskell@concho.com | cho.c | | | | | |
| 2 Day EMERGENCY X Contract TAT | | | Level | Level 3 (CLP Forms) | Forms) | | | L vs | UST / RG -411 | 41 | - | | | | | | ZCO | nder | zconder@trcsolutions.com | olutic | Ins.c | om | | | |
| 3 Day EMERGENCY | | _ | TRRP Checklist | Checkli | st | | | | | | | | | | | | dne | el2@ | dneel2@concho.com | ho.cc | Iă | | | | |
| TAT Starts Day received by Lab, if received by 5:00 pm | 0 pm | | | | | | | | | | | | | | | | FE | Ť. | FED-EX / UPS: Tracking # | Trac | king | * | 0 | そうろう | WXXL + IK |
| Relinguished by Sampler: \ \ Date Time: IBack add by Samples CHANGE POSSESSION, INCLUDING COURIER | Date Time: | DCUMENTED B | Becow EACH | TIME SA | MPLES | CHANG | E POSS | ESSIO | N, INC | | 160 | URIE | | DELIVERY | - 1 | | | | 2 | | | $\overline{\mathbf{V}}$ | | | |
| TB - CHART | 12/26/ | 18 J. M | 1 CASA | " ROX | 6 | ſ. | | 2 | 2 A A A A | | | Ž | 2 | 7 | Date | Date Time: $(a/2\psi)$ | L. | 54 | 2 2 | Received B | | Ø. | N. | 1 JA | (e/27/18/05 |
| 3 Relinquished by: | Date Time: | | Recĕived By: 3 | ה | | | | 4 Rel | Relitiquished By: 4 | fied | By: | | | | Date | Date Time: | | | x 4 | Received By: 4 | d By | | 1 | m | |
| 6 Relinquished by: | Date Time: | | Received By: 5 | ה | | | | Cus | Custody Seal # | Seal | # | | | Pres | Preserved where applicable | wher | dde e | licab | • | | | | | Cooler Temp. | PP: 0.0 |
| revision of the standard stan Standard standard stand standard standard stand standard standard st | nces beyond the contract. | citase Gruer control of Xend | m cilem compa 30. A minimum | charge o | f \$75 will | tiliates a be appli | ed to ea | ch proj | ors, n a act. Xe | nco's | s sıaı liabili | iy will | terms be limi | ited to t | he cost | of sam | ples. | enco v Any sa | mples | liable receiv | red by | Xenc | io but | of samples and shall the intervention of analyzed will be intervention of the second sec | not assume any responsibility for invoiced at \$5 per sample. These |
| territa will be enforced diffeest breatonsis heddinated ninder a funk executed citelit | CONTRACT. | | | | | | | | | | | | | | | | | | | | | | | | |

ه,



Dallas Texas (214-902-0300)

Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

Stafford, Texas (281-240-4200)



Received by OCD: 11/9/2022 12:01:12 PM



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 06/27/2018 10:15:00 AM Temperature Measuring device used : R8 Work Order #: 590553 Comments Sample Receipt Checklist .2 #1 *Temperature of cooler(s)? #2 *Shipping container in good condition? Yes #3 *Samples received on ice? Yes #4 *Custody Seals intact on shipping container/ cooler? N/A #5 Custody Seals intact on sample bottles? N/A #6*Custody Seals Signed and dated? N/A #7 *Chain of Custody present? Yes #8 Any missing/extra samples? No #9 Chain of Custody signed when relinquished/ received? Yes #10 Chain of Custody agrees with sample labels/matrix? Yes #11 Container label(s) legible and intact? Yes #12 Samples in proper container/ bottle? Yes #13 Samples properly preserved? Yes #14 Sample container(s) intact? Yes #15 Sufficient sample amount for indicated test(s)? Yes #16 All samples received within hold time? Yes #17 Subcontract of sample(s)? No

#18 Water VOC samples have zero headspace?

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Date: 06/27/2018

N/A

Checklist completed by: Market Katie Lowe Checklist reviewed by: Market Kelsey Brooks

Date: 06/29/2018

Analytical Report 596453

for TRC Solutions, Inc

Project Manager: Joel Lowry

White Falcon 16 #23H

27-AUG-18

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-18-27), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-13) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-16) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757) Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429) Xenco-Lakeland: Florida (E84098)



27-AUG-18

Project Manager: **Joel Lowry TRC Solutions, Inc** 2057 Commerce Midland, TX 79703

Reference: XENCO Report No(s): **596453 White Falcon 16 #23H** Project Address: Lea Co.,NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 596453. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 596453 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Huns hoah

Kelsey Brooks Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America





Sample Cross Reference 596453



TRC Solutions, Inc, Midland, TX

White Falcon 16 #23H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------|--------|----------------|--------------|---------------|
| SB-1 @8' | S | 08-17-18 12:00 | 8 ft | 596453-001 |
| SB-1 @ 10' | S | 08-17-18 12:15 | 10 ft | 596453-002 |
| SB-1 @ 12' | S | 08-17-18 12:30 | 12 ft | 596453-003 |
| N @ 6" | S | 08-17-18 12:45 | 6 In | 596453-004 |
| W @ 6" | S | 08-17-18 13:00 | 6 In | 596453-005 |
| E @ 6" | S | 08-17-18 13:15 | 6 In | 596453-006 |



Page 29 of 72

Client Name: TRC Solutions, Inc Project Name: White Falcon 16 #23H

Project ID: Work Order Number(s): 596453 Report Date: 27-AUG-18 Date Received: 08/21/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Project Id: Contact:

Contact:Joel LowryProject Location:Lea Co.,NM

Certificate of Analysis Summary 596453

TRC Solutions, Inc, Midland, TX Project Name: White Falcon 16 #23H



Date Received in Lab:Tue Aug-21-18 10:35 amReport Date:27-AUG-18Project Manager:Kelsey Brooks

| | Lab Id: | 596453-0 | 01 | 596453-0 | 02 | 596453-0 | 03 | 596453-0 | 04 | 596453-0 | 005 | 596453-0 | 06 |
|---------------------|------------|-----------|-------|-------------|-------|-------------|-------|-------------|-------|-----------|-------|-------------|------|
| Analysis Requested | Field Id: | SB-1 @ | 8' | SB-1 @ 1 | 10' | SB-1 @ 1 | 2' | N @ 6" | | W @ 6 | | E @ 6" | |
| Anulysis Kequesleu | Depth: | 8- ft | | 10- ft | | 12- ft | | 6- In | | 6- In | | 6- In | |
| | Matrix: | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | Sampled: | Aug-17-18 | 12:00 | Aug-17-18 | 12:15 | Aug-17-18 | 2:30 | Aug-17-18 1 | 2:45 | Aug-17-18 | 13:00 | Aug-17-18 1 | 3:15 |
| Chloride by EPA 300 | Extracted: | Aug-21-18 | 17:30 | Aug-21-18 | 15:00 | Aug-21-18 1 | 5:00 | Aug-21-18 1 | 5:00 | Aug-22-18 | 09:00 | Aug-22-18 0 | 9:00 |
| | Analyzed: | Aug-21-18 | 23:13 | Aug-21-18 2 | 20:02 | Aug-21-18 2 | 20:07 | Aug-21-18 2 | 20:13 | Aug-22-18 | 10:38 | Aug-22-18 1 | 2:05 |
| | Units/RL: | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 6540 | 49.9 | 314 | 4.99 | 7.14 | 4.97 | 5.17 | 4.95 | 25.1 | 4.95 | <4.95 | 4.95 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kms Boah

Kelsey Brooks Project Manager



Flagging Criteria



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- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- **E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection LimitSDLSample Detection LimitLOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- DL Method Detection Limit
- NC Non-Calculable

| SMP Clie | ent Sample | BLK | Method Blank | |
|----------|---|-----------|----------------------------|---------------------------------|
| BKS/LCS | S Blank Spike/Laboratory Control Sample | BKSD/LCSD | Blank Spike Duplicate/Labo | ratory Control Sample Duplicate |
| MD/SD | Method Duplicate/Sample Duplicate | MS | Matrix Spike | MSD: Matrix Spike Duplicate |

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



BS / BSD Recoveries



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Project Name: White Falcon 16 #23H

| Work Order | r #: 596453 | | | | | | | Pro | ject ID: | | | |
|--------------|------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|------------|-------------------------|---------------------------|------|
| Analyst: | SCM | D | ate Prepar | ed: 08/21/20 | 18 | | | Date A | nalyzed: (| 08/21/2018 | | |
| Lab Batch ID | Sample: 766084 | 5-1-BKS | Batcl | h #: 1 | | | | | Matrix: S | Solid | | |
| Units: | mg/kg | | BLAN | K /BLANK | SPIKE / 2 | BLANK | SPIKE DUP | LICATE | RECOV | ERY STUI | DY | |
| Analy | Chloride by EPA 300 ytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Chloride | | <5.00 | 250 | 274 | 110 | 250 | 273 | 109 | 0 | 90-110 | 20 | |
| Analyst: | SCM | D | ate Prepar | ed: 08/21/20 | 18 | | | Date A | nalyzed: (| 08/21/2018 | | |
| Lab Batch ID | Sample: 766085 | 7-1-BKS | Batcl | h #: 1 | | | | | Matrix: S | Solid | | |
| Units: | mg/kg | | BLAN | K /BLANK | SPIKE / 2 | BLANK | SPIKE DUP | LICATE | RECOV | ERY STUI | DY | |
| Analy | Chloride by EPA 300 | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Chloride | , | <5.00 | 250 | 250 | 100 | 250 | 249 | 100 | 0 | 90-110 | 20 | |
| Analyst: | SCM | D | ate Prepar | ed: 08/22/20 | 18 | | | Date A | nalvzed: (| 08/22/2018 | | |
| Lab Batch ID | | | | h #: 1 | | | | | Matrix: S | | | |
| Units: | mg/kg | | BLAN | K /BLANK | SPIKE / 2 | BLANK S | SPIKE DUP | LICATE | RECOV | ERY STUI | DY | |
| Analy | Chloride by EPA 300 | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| | <i>y</i> c c <i>s</i> | | | | | | | | | | | |

Relative Percent Difference RPD = $200^{*}|(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100^{*}(C)/[B]$ Blank Spike Duplicate Recovery [G] = $100^{*}(F)/[E]$ All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: White Falcon 16 #23H



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| Work Order # : | 596453 | | | | | | Project II |) : | | | | |
|-------------------------|---------------------|----------------------------|----------------|--------------------------------|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID: | 3060815 | QC- Sample ID: | 596446 | -001 S | Ba | tch #: | 1 Matrix | : Soil | | | | |
| Date Analyzed: | 08/21/2018 | Date Prepared: | 08/21/2 | 018 | Ar | nalyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | Μ | IATRIX SPIK | E / MAT | 'RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike | Spiked Sample Result | Spiked Sample %R | Spike | Duplicate Spiked Sample | Spiked Dup. | RPD | Control Limits %R | Control Limits %RPD | Flag |
| | Analytes | [A] | Added [B] | [C] | %K [D] | Added [E] | Result [F] | %R [G] | % | %K | %KPD | |
| Chloride | | 943 | 248 | 1140 | 79 | 248 | 1140 | 79 | 0 | 90-110 | 20 | X |
| Lab Batch ID: | 3060815 | QC- Sample ID: | 596446 | -005 S | Ba | tch #: | 1 Matrix | : Soil | | | | |
| Date Analyzed: | 08/21/2018 | Date Prepared: | 08/21/2 | 018 | Ar | nalyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | Μ | IATRIX SPIK | E / MAT | 'RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample | Spike | Spiked Sample Result | Sample | Spike | Duplicate Spiked Sample | Spiked Dup. | RPD | Control Limits | Control Limits | Flag |
| | Analytes | Result [A] | Added [B] | [C] | %R [D] | Added [E] | Result [F] | %R [G] | % | %R | %RPD | |
| Chloride | | 123 | 248 | 368 | 99 | 248 | 370 | 100 | 1 | 90-110 | 20 | |
| Lab Batch ID: | 3060822 | QC- Sample ID: | 596446 | -008 S | Ba | tch #: | 1 Matrix | c: Soil | | | | |
| Date Analyzed: | 08/21/2018 | Date Prepared: | 08/21/2 | 018 | Ar | nalyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | Μ | IATRIX SPIK | E / MAT | 'RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike Added | Spiked Sample Result [C] | Spiked Sample %R | Spike Added | Duplicate Spiked Sample Result [F] | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| | Analytes | [A] | [B] | [0] | [D] | [E] | Acout [1] | [G] | /0 | /UIX | | |
| Chloride | | 351 | 250 | 584 | 93 | 250 | 586 | 94 | 0 | 90-110 | 20 | |

Matrix Spike Percent Recovery $[D] = 100^{*}(C-A)/B$ Relative Percent Difference RPD = $200^{*}|(C-F)/(C+F)|$ Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: White Falcon 16 #23H



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| Work Order # : | 596453 | | | | | | Project II |): | | | | |
|-------------------------|---------------------|----------------------------|----------------|--------------------------------|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Lab Batch ID: | 3060822 | QC- Sample ID: | 596449 | -002 S | Ba | tch #: | 1 Matrix | : Soil | | | | |
| Date Analyzed: | 08/21/2018 | Date Prepared: | 08/21/2 | 018 | An | alyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | N | IATRIX SPIK | E / MAT | RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike | Spiked Sample Result | Sample | | Duplicate Spiked Sample | Spiked Dup. | RPD | Control Limits | Control Limits | Flag |
| | Analytes | [A] | Added [B] | [C] | %R [D] | Added [E] | Result [F] | %R [G] | % | %R | %RPD | |
| Chloride | | 74.4 | 248 | 325 | 101 | 248 | 324 | 101 | 0 | 90-110 | 20 | |
| Lab Batch ID: | 3060861 | QC- Sample ID: | 596453 | -005 S | Ba | tch #: | 1 Matrix | : Soil | | | | |
| Date Analyzed: | 08/22/2018 | Date Prepared: | 08/22/2 | 018 | An | alyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | Ν | IATRIX SPIK | E / MAT | RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample | Spike | Spiked Sample Result | Sample | Spike | Duplicate Spiked Sample | Spiked Dup. | RPD | Control Limits | Control Limits | Flag |
| | Analytes | Result [A] | Added [B] | [C] | %R [D] | Added [E] | Result [F] | %R [G] | % | %R | %RPD | |
| Chloride | | 25.1 | 248 | 288 | 106 | 248 | 286 | 105 | 1 | 90-110 | 20 | |
| Lab Batch ID: | 3060861 | QC- Sample ID: | 596453 | -006 S | Ba | tch #: | 1 Matrix | : Soil | | | | |
| Date Analyzed: | 08/22/2018 | Date Prepared: | 08/22/2 | 018 | An | alyst: S | SCM | | | | | |
| Reporting Units: | mg/kg | | N | ATRIX SPIK | E / MAT | RIX SPI | KE DUPLICA | TE REC | OVERY | STUDY | | |
| | Chloride by EPA 300 | Parent Sample Result | Spike Added | Spiked Sample Result [C] | Spiked Sample %R | Spike Added | Duplicate Spiked Sample Result [F] | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| | Analytes | [A] | [B] | [0] | [D] | [E] | Kesult [F] | [G] | | 701 | | |
| Chloride | | <4.95 | 248 | 250 | 101 | 248 | 250 | 101 | 0 | 90-110 | 20 | |

Matrix Spike Percent Recovery $[D] = 100^{*}(C-A)/B$ Relative Percent Difference RPD = $200^{*}|(C-F)/(C+F)|$ Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Setting the Standard since 1990 Stafford, Texas (281-240-4200)

CHAIN OF CUSTODY

San Antonio, Texas (210-509-3334)

Phoenix, Arizona (480-355-0900)

| Received by OCD: | 11/9/2022 | 12:01:12 | PM | |
|------------------|-----------|----------|----|---|
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| anning anna (mar ann 1900) | | | , 10700 (110 | -000-04 | 1 | | | | | | | 3 | VIIIAO | ilix, Alizolia (480-399-0900) | 011a (4 | 00-00 | 0-090 | 5 | | | | | | | | | | | | |
|---|--|--|----------------------------------|----------------------------|------------------------------|-------------------------|----------|-----------|-------------------------|----------------------|-----------|--------------------------|------------|-------------------------------|----------------------|------------------------|--------------------------|---------------------|--------------------|--------------------|-----------------|--------------------|------------------|--------------|---------------------|--------------------------|--|------------|--------------------------|-----|
| Dailas Texas (214-902-0300) | | Midland, Texas (432-704-5251) | (as (432-704 | -5251) ww | iii) www.xenco.com | o.com | | | | | | | | | | | | Xen | Xenco Job # | * | | X | P | 5 | Ą | 1 | 1 | | | |
| | | | | | | | | | | | | - | | | Analy | Analytical Information | forma | ig – | | | | k | | | | Matr | Matrix Codes | des | | |
| Client / Reporting Information | | | Projec | Project Information | lation | | | | | | | | | | \neg | | | | | | | | | | | | | | | |
| Company Name / Branch: TRC Environmental Corporation | | Project Name/Number: White Falcon 16 #23 | lumber: 16 #23H | | | | | | | | | | | | | | | | | | | | | | · | W = Water S = Soil/Sc | Vater | | - | |
| Company Address: | | Project Location: | n: | | | | | | | | | | | | | | | | | | | | | | . . | GW ⊒ | S - Soli/Sed/Solid GW =Ground Water | d Wat | ër | |
| 2057 Commerce Drive Midland, TX 79703 | | Lea Co, NM | | | | | | | | | | | | | | | | | | | | | | | . - | | DW = Drinking Water P = Product | ing W | ater | |
| csolutions.com | Phone No: 432-466-4450 | Invoice To: COG Operating C/O Becky Haskell | C/O Becky Ha | skell | | | | | | | | | | | | | | | | | | | | | | SL = S | SW = Surface water SL = Sludge | ce wa | ter | |
| Project Contact: Joel Lowry | | Invoice: | | | | | | | | | | | | | | | | | | | | | | | _ | WI = Wipe | WI = Wipe | 000a | Teater | |
| Samplers's Name Becky Griffin | | | | | | | | | | | | E | | | | | | | | | | | | | - | 0 = 01 | Ĭ | | i | |
| Samplers's Name Becky Grimin | | Collection | | | maanaan | | lumbe | of pre | Serve | d bottles | 8 | | | | | | | | | | | | | | _ | A = Air | WW= Waste Water A = Air | e Wat | ř | |
| No. Field ID / Point of Collection | Sample | | | | * |)H/Zn | late | | н | SO4 | | ie °H 80 [∙] | loride | EX 8 | | | | | | | | | | | | | | | | |
| | Depth | Date | Time | Matrix | bottles | HCI | Ace | HN H25 | NaC | Nał | ME | | – | | - | ┢── | | + | ╉ | ┢── | ┢─ | ┢── | | | Field | 1 Com | Field Comments | ľ | | L |
| 1 SB-1 @ 8' | 8ft | 8/17/2018 | 12:00 | s | <u> </u> | | <u> </u> | . : | | | | | × | <u></u> | | | | | | | | | | | | | | | | |
| 2 SB-1 @ 10' | 10ft | 8/17/2018 | 12:15 | s | - | | | | | | | | × | | | | | | | | | | | | | | | | | |
| 3 SB-1 @ 12' | 12ft | 8/17/2018 | 12:30 | s | - | | | | | | | | × | <u> </u> | | | | | | | | | | | | | | | | |
| 4 N@6" | 6in | 8/17/2018 | 12:45 | s | 1 | | | | | | | | × | <u> </u> | | | | | | | | | | | | | | | | |
| 5 W@6" | 6in | 8/17/2018 | 1:00 | s | | | | | | | | | × | <u> </u> | | | | | | | | | | | | | | | | |
| 6 E@6" | - 6in | 8/17/2018 | 1:15 | s | | | | | | | | | ~ | × | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | · | | | | | | | | | | | | | | |
| | | | | D | Data Deliverable Information | rable in | normati | ß | | | | | - | | | | Notes: | ŝ | | | | | | | | | | | | |
| Same Day TAT | 6 Day TAT | | Leve | Level II Std QC | R | | | | Level IV (Full Data Pkg | (Full | Data P | | /raw data) | | | ilov | ilowry@trcsolutions.com | csolu | tions. | com | | | | | | bcoop |)er@tr | csolut | bcooper@trcsolutions.com | ĬĬ |
| Next Day EMERGENCY |]7 Day TAT | | Leve | Level III Std QC+ Forms | QC+ Fo | nns | | | TRRP Level IV | evel N | | | | | | ma | rhaskell@concho.com | lconc | ho.co | 13 | | | | | | | | | | |
| 2 Day EMERGENCY X Co | X Contract TAT | | Leve | Level 3 (CLP Forms) | Forms | • | | L | UST / RG -411 | G -411 | | | | | | ZCC | zconder@trcsolutions.com | Dtrcs | olutior | IS.CO | IR | | | | | | | | | |
| 3 Day EMERGENCY | | | TRRP Checklist | ^o Check | dist | - | | | | | | | | | | dne | dneel2@concho.com | conch | 10.COT | 12 | | | | | | | | | |] |
| TAT Starts Day received by Lab, if received by 5:00 pm | ived by 5:00 pm | | | | | | | | | | | | | | | FE | FED-EX / UPS: Tracking # | UPS: | Track | ing # | 3 | 6 | R | R | k, | 2 | 9L | J | Ň | |
| | Source construction and the source of the so | | Received B | Y: ME a | AMPLES | | | R | lingui: | hed B | × 5 | | | | Date Time: | | | 78 | Received By: | By: | 1 | R | 6 | <u>الج</u> | | \triangleleft | \sim | ₹¥ | | للم |
| Relinquished by: COOO | Date Time: | <u>.</u> | Received By: | Υ. | | | | | Relinquished By: 4 | shed B | ž | | | D | Date Time: | | | 4 78 | Received By: | By: | ŧ | ſ | | | | ł | | Q f | 3 | |
| Relinquished by: 6 | Date Time: | e. | Received By: 5 | Y. | | | | ç | Custody Seal # | Seal # | | | P | Preserved where applicable | | fe | licabl | • | | ിം | | | ာမ္ဂို | Cooler Temp. | è | 2 | 000 | Orr. Facto | - br | [|
| Notice: Signature of this document and elinquisment of samples control from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losse are due to curronstances beyond the control of Xenco. A minimum charge of \$15 will be applied to each project. Xenco's liability will be inited to the cost of samples. Any samples received by Xenco but not analyzed will be inviced at \$2 per sample. These terms will be enforced unless previously neocliated under a fully executed client contract. | samples constitutes a valid ue to circumstances beyon executed client contract | t purchase order fr the control of Xe | om client comp nco. A minimun | any to Xo 1 charge | enco, its of \$75 wi | affiliates II be app | and sut | bach pro | ject. Xe | assigns Inco's li | ability v | vill be li | nited to | ondition the co | ns of se st of sa | mples. | (enco v Any sa | rill be li mples | iable o receive | nly for id by X | thế co (enco | st of s but not | amples analyz | ed will | hall not be invo | assum piced at | t\$5 per | esponsi | bility for . These | |
| terms will be enforced unless previously negotiated under a fully | executed client contract. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Final 1.000
Received by OCD: 11/9/2022 12:01:12 PM





Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 08/21/2018 10:35:00 AM Temperature Measuring device used : R8 Work Order #: 596453 Comments Sample Receipt Checklist .3 #1 *Temperature of cooler(s)? #2 *Shipping container in good condition? Yes #3 *Samples received on ice? Yes #4 *Custody Seals intact on shipping container/ cooler? N/A #5 Custody Seals intact on sample bottles? N/A #6*Custody Seals Signed and dated? N/A #7 *Chain of Custody present? Yes #8 Any missing/extra samples? No #9 Chain of Custody signed when relinquished/ received? Yes #10 Chain of Custody agrees with sample labels/matrix? Yes #11 Container label(s) legible and intact? Yes #12 Samples in proper container/ bottle? Yes #13 Samples properly preserved? Yes #14 Sample container(s) intact? Yes #15 Sufficient sample amount for indicated test(s)? Yes #16 All samples received within hold time? Yes

#17 Subcontract of sample(s)?

#18 Water VOC samples have zero headspace?

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Date: 08/21/2018

N/A

N/A

Checklist completed by: Bianna Teel Checklist reviewed by: Markoath Kelsey Brooks

Date: 08/21/2018



October 25, 2018

REBECCA HASKELL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: WHITE FALCON 16 #023H

Enclosed are the results of analyses for samples received by the laboratory on 10/24/18 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING REBECCA HASKELL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 10/24/2018 | Sampling Date: | 10/24/2018 |
|-------------------|-----------------------|---------------------|----------------|
| Reported: | 10/25/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 #023H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP - 1B @ SURFACE (H803056-01)

| 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 | 10/25/2018 | ND | 2.05 | 102 | 2.00 | 0.757 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.95 | 97.5 | 2.00 | 0.0918 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.94 | 97.0 | 2.00 | 0.831 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.84 | 97.3 | 6.00 | 0.672 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 89.2 % | 69.8-142 | , | | | | | | |
| TPH 8015M | mg/l | 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 | 10/25/2018 | ND | 194 | 96.9 | 200 | 1.34 | |
| DRO >C10-C28* | 20.1 | 10.0 | 10/25/2018 | ND | 207 | 103 | 200 | 2.01 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.4 % | 6 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.9% | 6 37.6-147 | , | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING **REBECCA HASKELL** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 10/24/2018 Sampling Date: 10/24/2018 Reported: 10/25/2018 Sampling Type: Soil Project Name: WHITE FALCON 16 #023H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: NOT GIVEN

Sample ID: SP - 2B @ SURFACE (H803056-02)

| 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 | 10/25/2018 | ND | 2.05 | 102 | 2.00 | 0.757 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.95 | 97.5 | 2.00 | 0.0918 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.94 | 97.0 | 2.00 | 0.831 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.84 | 97.3 | 6.00 | 0.672 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.7 9 | 69.8-14 | 2 | | | | | | |
| 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 | 10/25/2018 | ND | 194 | 96.9 | 200 | 1.34 | |
| DRO >C10-C28* | 286 | 10.0 | 10/25/2018 | ND | 207 | 103 | 200 | 2.01 | |
| EXT DRO >C28-C36 | 12.4 | 10.0 | 10/25/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.6 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.5 9 | 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING **REBECCA HASKELL** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 10/24/2018 Sampling Date: 10/24/2018 Reported: 10/25/2018 Sampling Type: Soil Project Name: WHITE FALCON 16 #023H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: NOT GIVEN

Sample ID: SP - 3B @ SURFACE (H803056-03)

| 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 | 10/25/2018 | ND | 2.05 | 102 | 2.00 | 0.757 | |
| Toluene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.95 | 97.5 | 2.00 | 0.0918 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2018 | ND | 1.94 | 97.0 | 2.00 | 0.831 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2018 | ND | 5.84 | 97.3 | 6.00 | 0.672 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 92.4 | % 69.8-14 | 2 | | | | | | |
| 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 | 10/25/2018 | ND | 194 | 96.9 | 200 | 1.34 | |
| DRO >C10-C28* | 112 | 10.0 | 10/25/2018 | ND | 207 | 103 | 200 | 2.01 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.0 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| 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, Lab Director/Quality Manager



| Sampler - UPS - Bus - Other: 0.8° $tfg7$ \Box res \Box res 10° 10 | Date: Received By: | The all burgers and the | | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for neoligence and any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within 30 days after completion of the applicable | | | SP-38 @Sur & 1 × X / 1:10 × | 259-28 @ Sor 61 K K (1:05 × 1 | 1 SP-18@ SUN 61 X 10-24-18 1:00 X 1 | # CON GROL SOIL OIL SLUD OTHE ACID/ ICE / C OTHE DATE | R : BASE: COOL R : | FOR LAB USE ONLY | Sampler Name: 1Cy/c Schwaidt Fax #: | Project Location: Phone #: | Project Name: While Falcon 16 # 023H State: Zip: | Project #: Project Owner: City: | Phone #: 432-466-4450 Fax #: Address: | city: Midland State: TX zip: 79705 Attn: | Address: 10 Desta Drive Suite 150E Company: COG | Project Manager: Joel Lowry P.O. #: | Company Name: TRC Solutions | 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 |
|--|---|-------------------------|------------|--|--|--|-----------------------------|--------------------------------|-------------------------------------|--|-----------------------------|------------------|-------------------------------------|----------------------------|--|---------------------------------|---------------------------------------|--|---|-------------------------------------|-----------------------------|--|
| ELL@ CONCHO, CON | BCOOPER @ TRC SOLUTIONS, CON BRAZIFFING TRC SOLUTIONS, CON | |] Yes 🔲 No | le | | | | | 8 | | TEX | | | | | | | | | | ANALYSIS REQUEST | |

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aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6



November 16, 2018

ZACH CONDER TRC 10 DESTA DR. SUITE 150 E MIDLAND, TX 79705

RE: WHITE FALCON 16

Enclosed are the results of analyses for samples received by the laboratory on 11/14/18 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: FL 1 (H803305-01)

| 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 | 11/15/2018 | ND | 2.34 | 117 | 2.00 | 9.59 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.29 | 114 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.20 | 110 | 2.00 | 10.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.84 | 114 | 6.00 | 10.5 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 11/15/2018 | ND | 416 | 104 | 400 | 12.2 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: FL 2 (H803305-02)

| 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 | 11/15/2018 | ND | 2.34 | 117 | 2.00 | 9.59 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.29 | 114 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.20 | 110 | 2.00 | 10.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.84 | 114 | 6.00 | 10.5 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 5 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 11/15/2018 | ND | 416 | 104 | 400 | 12.2 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



| TRC |
|--------------------------|
| ZACH CONDER |
| 10 DESTA DR. SUITE 150 E |
| MIDLAND TX, 79705 |
| Fax To: |
| |
| |

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: FL 3 (H803305-03)

| 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 | 11/15/2018 | ND | 2.34 | 117 | 2.00 | 9.59 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.29 | 114 | 2.00 | 12.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.20 | 110 | 2.00 | 10.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.84 | 114 | 6.00 | 10.5 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 11/15/2018 | ND | 416 | 104 | 400 | 12.2 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: FL 4 (H803305-04)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/15/2018 | ND | 416 | 104 | 400 | 12.2 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: FL 5 (H803305-05)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 73.3-12 | 9 | | | | | | |
| 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 | 11/15/2018 | ND | 416 | 104 | 400 | 12.2 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 9 | 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | TRC | | |
|------------|--------------------------|----------------|--|
| | ZACH CONDER | | |
| | 10 DESTA DR. SUITE 150 E | | |
| | MIDLAND TX, 79705 | | |
| | Fax To: | | |
| | | | |
| 11/14/2018 | | Sampling Date: | |
| 11/10/2010 | | с I: т | |

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 3 - NSW (H803305-06)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | <i>99.2</i> | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | TRC | |
|------------|--------------------------|----------------|
| | ZACH CONDER | |
| | 10 DESTA DR. SUITE 150 E | |
| | MIDLAND TX, 79705 | |
| | Fax To: | |
| 11/14/2018 | | Sampling Date: |
| 11/17/2010 | | Sumpling Dute. |

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 3 - SSW (H803305-07)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 3 - ESW (H803305-08)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.5 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

COG

Tamara Oldaker

Sample Received By:

Analytical Results For:

| | | TRC | | |
|---------------|-----------------|--------------------------|---------------------|---------------|
| | | ZACH CONDER | | |
| | | 10 DESTA DR. SUITE 150 E | | |
| | | MIDLAND TX, 79705 | | |
| | | Fax To: | | |
| Received: | 11/14/2018 | | Sampling Date: | 11/13/2018 |
| Reported: | 11/16/2018 | | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | | Sampling Condition: | Cool & Intact |

Sample ID: SP 3 - WSW (H803305-09)

Project Number:

Project Location:

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 9 | 6 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To: 11/14/2018 Sampling Date:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 2 - NSW (H803305-10)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.3 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



WHITE FALCON 16

NONE GIVEN

COG

Sampling Condition:

Sample Received By:

11/13/2018

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

| | TRC | | |
|------------|--------------------------|----------------|--|
| | ZACH CONDER | | |
| | 10 DESTA DR. SUITE 150 E | | |
| | MIDLAND TX, 79705 | | |
| | Fax To: | | |
| 11/14/2018 | | Sampling Date: | |
| 11/16/2018 | | Sampling Type: | |

Sample ID: SP 2 - SSW (H803305-11)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 9 | % 41-142 | 2 | | | | | | |
| | | | | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To:

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 1 - NSW (H803305-12)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-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 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| 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 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.0 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRC ZACH CONDER 10 DESTA DR. SUITE 150 E MIDLAND TX, 79705 Fax To: 11/(14/2018

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 1 - SSW (H803305-13)

| 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 | 11/15/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | mg/kg Analyzed By | | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 109 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 9 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

COG

Tamara Oldaker

Sample Received By:

Analytical Results For:

| | TRC | | |
|-----------------|--------------------------|---------------------|---------------|
| | ZACH CONDER | | |
| | 10 DESTA DR. SUITE 150 E | | |
| | MIDLAND TX, 79705 | | |
| | Fax To: | | |
| 11/14/2018 | | Sampling Date: | 11/13/2018 |
| 11/16/2018 | | Sampling Type: | Soil |
| WHITE FALCON 16 | | Sampling Condition: | Cool & Intact |

Sample ID: SP 1 - ESW (H803305-14)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| 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 | 11/16/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/16/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/16/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/16/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg/ | ′kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 109 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | TRC | | |
|------------|--------------------------|----------------|--|
| | ZACH CONDER | | |
| | 10 DESTA DR. SUITE 150 E | | |
| | MIDLAND TX, 79705 | | |
| | Fax To: | | |
| 11/14/2018 | | Sampling Date: | |
| 11/14/2010 | | Sampling Date. | |
| 11/16/2018 | | Sampling Type | |

| Received: | 11/14/2018 | Sampling Date: | 11/13/2018 |
|-------------------|-----------------|---------------------|----------------|
| Reported: | 11/16/2018 | Sampling Type: | Soil |
| Project Name: | WHITE FALCON 16 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG | | |

Sample ID: SP 1 - WSW (H803305-15)

| 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 | 11/16/2018 | ND | 2.35 | 117 | 2.00 | 8.91 | |
| Toluene* | <0.050 | 0.050 | 11/16/2018 | ND | 2.24 | 112 | 2.00 | 7.80 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/16/2018 | ND | 2.17 | 109 | 2.00 | 7.53 | |
| Total Xylenes* | <0.150 | 0.150 | 11/16/2018 | ND | 6.75 | 113 | 6.00 | 7.33 | |
| Total BTEX | <0.300 | 0.300 | 11/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/15/2018 | ND | 432 | 108 | 400 | 3.77 | |
| TPH 8015M | mg, | ′kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/14/2018 | ND | 199 | 99.5 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/14/2018 | ND | 208 | 104 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/14/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.6 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
|-------|---|
| 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 SM4500CI-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. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

Page 61 of 72

Page 18 of 19

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1052

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

| Company Name: TRC | | BILLIO | | Δ | ANAI YSIS REOLIEST | ST |
|---|--|--|--|--------------------------|--------------------------------|----|
| Project Manager: Zucil Condor | | P.O. #: | an and search states with the first state of the states of | | | |
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| Project #: Project Owner: | | City: | | | | |
| Project Name: While Fulcon 16 | | State: Zip: | | | | |
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| Sampler Name: Kyle Schmanielt | | Fax #: | | | | |
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| Damages. Cardinal's liability and dilent's exclusive remedy for a those for negligence and any other cause whatsoever shall be final be liable for incidential or consequential damages, including out of or related to the performance of services hereunder by C | y claim arising whether based in contra emed waived unless made in writing ar without limitation, business interruptions rdinal, regardless of whether such claim | y claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the benned waived unless made in writing and received by Cardinal writin 30 days after completion the writhout limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaria ardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | id by the client for the ar completion of the applicable client, its subsidiaries, asons or otherwise. | | | |
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| Definitional Ru: Letteria One | Jamara | 8 | naidt | @ freso lutions. com | . 607 | |
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Sampler - UPS - Bus - Other:

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101 East Marland, Hobbs, NM 88240

Company Name:

(575) 39372326 FAX (575) 393-2476

Project Manager:

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Company:

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Page 62 of 72

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Page 19 of 19

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Relinquished By: Project Location: Project #: City: Sampler Name: Project Name: Phone #: H80339 FOR LAB USE ONLY Lab I.D. ates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based N 4 U 0 44 Wh. - 695 SPI 512-5/2--205 502-5 ١ Sample I.D. 3 23 858 550 556 NSW NSW al con Unail Date: i)-/3-/8 Fax #: Project Owner: 6 State: X Zip: 0 0 5 5 n (G)RAB OR (C)OMP. Received By: 5 **# CONTAINERS** GROUNDWATER WASTEWATER MATRIX XX XX 8 SOIL × OIL SLUDGE City: Attn: OTHER : Fax #: State: Phone #: Address: ACID/BASE: PRESERV XX X X R ICE / COOL R of the above OTHER Zip: 11-13-18 DATE SAMPLING 1:15 Fax Result: Phone Result: 1:20 1:25 1:40 1:30 1:30 TIME 8 X 8 CI □ Yes 8 8 N 1 > B TEX X X X No No Add'I Fax #: Add'l Phone #:

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Date: 8/17/2019

Soil Profile

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Photo 1 - View of affected area prior to delineation activities, facing Northwest.



Photo 2 - View of affected area prior to remediation activities, facing West.



Photo 3 - View of affected area during initial investigation, facing East.



Photo 4 - View of affected area during Geoprobing activities, facing South.



Photo 5 - View of affected area after excavation activities, facing East.



Photo 6 - View of affected area after excavation activities, facing West.



Photo 8 - View of affected area after backfill activities, facing North.

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised April 3, 2017

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.

| | | | Rele | ease Notifica | atior | n and C | orrective | Actior | 1 | | | |
|-----------------------------|--------------|------------------|-------------|-----------------------|----------------------------------|---|-----------------|-------------|--------------------|---------------|---------|--------------|
| | | | | | | OPERA | TOR | | 🛛 Initi | al Report | | Final Report |
| Name of Co | ompany: C | OG Operat | ing, LLC | C (OGRID# 2291) | 37) | Contact: R | bert McNeil | 1 | | | | |
| | | | | nd TX 79701 | | Telephone | No.: 432-683- | 7443 | | | | |
| Facility Nat | me: White | Falcon 16 | State #02 | 3H | | Facility Ty | pe: Well | | | | | |
| Surface Ow | ner: State | | | Mineral Ov | vner: S | State | | | API No | | 43699 | |
| | | | | LOCA | TION | N OF RE | LEASE | | | | | |
| Unit Letter | Section | Township | Range | Feet from the | North/ | South Line | Feet from the | East/ | West Line | County | _ | |
| D | 16 | 25S | 35E | 226 | 1 | North | 812 | | West | | Lea | <u>a</u> |
| | | | Lat | itude: 32.13689 | Longi | tude: -103. | 377934 | NAD83 | | | | |
| | | | | NATI | JRE | OF REL | EASE | | | | | |
| Type of Rele | ase: Produc | ed Water | | | | Volume o 53bbls | f Release: | | Volume I 15bbls | Recovered: | | |
| Source of Release: Flowline | | | | Hour of Occurre | ence: | | Hour of Dis | coverv | <u></u> | | | |
| | | | | 1 | 18/2017 2:00pm 11/18/2017 2:00pm | | | | | | | |
| Was Immediate Notice Given? | | | | | If YES, TO | o Whom? | | 1 | | | | |
| Yes No Not Required | | | uired | | | | | | | | | |
| | | | | | | | oves-NMSLO | | | | | |
| By Whom? F Was a Water | | | | | | | Hour: 11/18/201 | | | | | |
| was a water | course Read | | Yes 🗵 | E No. | | If YES, Volume Impacting the Watercourse. | | | | | | |
| | | | | | | | | | | | | |
| If a Watercou | irse was Im | pacted, Descr | ibe Fully.' | I | | | RECEIVI | ED | | | | |
| | | | | | | E | By Olivia | Yu at | 8:31 a | m, Nov | 28, | 2017 |
| Describe Cau | ise of Probl | em and Reme | dial Actio | n Taken.* | | | | | | | | |
| A third party back into ser | | struck a burie | t poly flow | vline coming from | the Wh | nite Falcon I | 6 State #001H I | Battery wł | ile digging | . The line w | as repa | ired and put |
| Describe Are | a Affected a | and Cleanup A | Action Tal | | | | | | | | | |
| 1 | | - | | | | | | | | | | |
| The release w | vas containe | ed to a 66' x 3 | 0' area on | the north edge of the | he loca | tion. A vacu | um truck was d | ispatched | to the site t | o recover fre | eestand | ling fluids. |
| Concho will | nave the spi | il area evalua | ted for any | possible impact fr | om the | release and | we will present | : a remedia | ition work (| plan to the N | IMOCI | D for |

approval prior to any significant remediation activities.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | OIL CONSERVATION DIVISION |
|--|--|
| Signature: Stoldan Atim | DA DA |
| Printed Name: Sheldon L. Hitchcock | Approved by Environmental Specialist: |
| Title: HSE Coordinator | Approval Date: 11/28/2017 Expiration Date: |
| E-mail Address: slhitchcock@concho.com | Conditions of Approval: Attached |
| Date: 11/20/2017 Phone: 575-746-2010 | see attached directive |
| Attach Additional Sheets If Necessary | |

|1RP-4881

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| Form C-141 | State of New Mexico | Incident ID | |
|------------|---------------------------|----------------|----------|
| Page 3 | Oil Conservation Division | District RP | 1RP-4881 |
| | | 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 discover date.

| What is the shallowest depth to groundwater beneath the area affected by the release? | 125 | -150 | (ft | bgs) |
|---|-----|------|--------------|------|
| Did this release impact groundater 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 | 1 | No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinarly high-water mark)? | | Yes | 7 | No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | | Yes | v | 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 | 7 | No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | | Yes | \checkmark | No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | | Yes | \checkmark | No |
| Are the lateral extents of the release within 300 feet of a wetland? | | Yes | 7 | No |
| Are the lateral extents of the release overlying a subsurface mine? | | Yes | ~ | No |
| Are the laterial extents of the release overlying an unstable area such as karst geology? | | Yes | \checkmark | No |
| Are the lateral extents of the release within a 100-year floodplain? | | Yes | 7 | No |
| Did the release impact areas not on an exploration, development, production or storage site? | | Yes | \checkmark | No |

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 wells.

- ✓ Field data
- ☑ Data table of soil contaminant concentration data
- Determination of water sources and significant watercourses within 1/2-mile of the laterial extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

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 volument of material to be remediated, the proposed remediation technigue, proposed sampling plan and methods, anticipated timelines for beginning and completing th remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modifies by site- and release-specific parameters.

Received by OCD: 11/9/2022 12:01:12 PM

| Form C-141 | State of New Mexico | Incident ID | |
|------------|---------------------------|----------------|----------|
| Page 4 | Oil Conservation Division | District RP | 1RP-4881 |
| | | Facility ID | |
| | | Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state or local laws and/or regulations.

| Printed Name: | Ike Tavarez | Title: | Senior HSE Supervisor | _ |
|---------------|----------------------------|------------|-----------------------|---|
| Signature: | MBS | Date: | 12/28/18 | |
| email: | <u>itavarez@concho.com</u> | Telephone: | (432) 701-8630 | - |
| OCD Only | | | | |
| Received by: | | Date: | | |

| Form C-141 | State of New Mexico | Incident ID | |
|------------|---------------------------|-------------|----------|
| Page 6 | Oil Conservation Division | District RP | 1RP-4881 |
| | | Facility ID | |
| | | | |

Closure

Application ID

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.

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

- ☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must notified 2 days prior to liner inspection)
- Iz Laboratory analyses of final sampling (Note: appropriate OCD Distric office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

| Printed Name: | Ike Tavarez | Title: | Senior HSE Supervisor | |
|---------------|----------------------------|------------|-----------------------|--|
| Signature: | 1475 | Date: | 12/28/18 | |
| email: | <u>itavarez@concho.com</u> | Telephone: | (432) 701-8630 | |
| OCD Only | | | | |

Received by:

Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment not does not relieve the responsible party of compliance with any other federal, state or local laws and/or regulations.

| Signature: Hall | Date: 11/9/2022 |
|-----------------|-----------------|
| | |

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

District IV 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

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 157369 |
| | Action Type: |
| | [IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

CONDITIONS

| Created By | | Condition Date |
|---------------|------|-------------------|
| bhall | None | 11/9/2022 |

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Action 157369