

June 18, 2024

District Supervisor Oil Conservation Division, District 2 506 W. Texas Ave. Artesia, New Mexico 88210

Re: **REVISED Release Characterization and Remediation Work Plan** ConocoPhillips (Heritage Concho) On behalf of Spur Energy Partners LLC Big George State #3 Battery Unit Letter J, Section 12, Township 17 South, Range 28 East **Eddy County, New Mexico** 2RP-1079 Incident ID nMLB1209641725

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess and evaluate current conditions associated with a historical release that occurred from the Big George State #3 (API # 30-015-28759) Battery. The approximate release site coordinates are 32.847612° -104.126449°, located in the Public Land Survey System (PLSS) Unit Letter J, Section 12, Township 17 South, Range 28 East, Eddy County, New Mexico (Site). The Site location is shown on Figures 1 and 2. The site is located on State land. The site is currently operated by Spur Energy Partners, LLC (Spur).

#### **BACKGROUND**

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report (Appendix A), the release was discovered on March 12, 2012. The release occurred due to a failed ¼ inch nipple on discharge side of a water pump, caused by vibration and corrosion. Approximately 8 barrels (bbls) of produced water were released, of which 7 barrels (bbls) of produced water were reported recovered via vacuum truck and the overspray area was scraped with a backhoe. The NMOCD received the initial C-141 on August 2, 2011, and subsequently assigned the release the Remediation Permit (RP) number 2RP-1079 and the Incident ID nMLB1209641725. The spill area measured roughly 600 square feet on location inside of the tank battery with an overspray of approximately 1500 square feet. The C-141 reports that the spill area was identical to the prior spill as described below.

#### COINCIDENT RELEASE FOOTPRINT

Approximately 8 months prior, according to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, a coincident release was discovered on July 27, 2011. The release occurred due to a sudden rush of production causing a tank overflow due to an alarm system failure. Approximately 50 barrels (bbls) of produced water were released, of which 45 barrels (bbls) of produced water were reported recovered via vacuum truck. The NMOCD received the initial C-141 on August 2, 2011, and subsequently assigned the release the Remediation Permit (RP) number 2RP-854 and the Incident ID pMLB1122858011. The spill area measured roughly 900 square feet inside the facility walls. As reported by BBC, this spill area is nearly identical to the spill from March 12, 2012. These coincident releases were assessed concurrently in the current release characterization process.

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#### BBC ASSESSMENT, WORK PLAN AND REMEDIAL ACTION

On behalf of COG (predecessor), BBC International, Incorporated (BBC) was initially contracted to assess the impacts at the Site. Assessment activities and a description of the remedial action are documented in a BBC Closure Report. The two releases were addressed by BBC in one report.

Initial delineation assessment was conducted at the Site on August 15, 2011, by BBC, to characterize the initial release at the Site (pMLB1122858011). The site delineation occurred after the initial spill response activities had been conducted by COG. Six sample points (SP1 through SP6). were advanced in the leak area using a hand auger to a total depth of 8 feet. Three samples were taken from SP1 at depths of 1 foot, 4 feet, and 8 feet. Two samples were taken from SP2 at depths of 1 foot and 4 feet. Three samples were taken from SP4 at depths of 1 foot, 4 feet, and 6 feet. Three samples were taken SP5 at depths of 1 foot, 3 feet, and 7 feet. Two samples were taken from SP6 at depths of 1 foot and 3 feet. The samples were taken to Cardinal Laboratories for chloride analysis. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix B.

After discussion with the NMOCD, all parties involved agreed that additional sampling was warranted. Therefore, additional samples were collected at the agreed upon locations of SP1, SP4, and SP7. During the second sampling event, the former reserve drilling pit was discovered in the areas of SP1(A) and SP1(B). The approximate pit area is located inside the north-eastern side of the tank battery and then further north and east. As documented in the BBC report, BBC representatives met with Mike Bratcher, NMOCD, prior to the nMLB1209641725 release and the parties agreed upon a remediation plan.

The reported spill associated with nMLB1209641725 occurred on March 12, 2012 and measured roughly 10' x 60' within the tank battery walls with an area of overspray roughly 30' x 50' outside of the tank battery. The approximate release extent was identified based on information provided by COG and ConocoPhillips representatives, and a review of photographs and other BBC documentation. The GPS in the information provided from BBC is an on-pad location, approximately 50' north of the tank battery.

From the BBC report, the approved remedial action had been approved by NMOCD prior to the nMLB1209641725 incident. As documented in the BBC report, the NMOCD agreed to allow the previously approved remediation plan to incorporate both release extents.

According to the BBC Closure Report, from July 9 to July 20, 2012, BBC personnel were onsite to remediate the releases in accordance with the approved remediation plan, including excavation, disposal, liner installation and backfill. Impacted soils were excavated to approximately 2 feet north of sample location SP4(A), inside the battery firewall. Following excavation, the area was backfilled with an impermeable liner consisting of 1-foot of compacted clay. The remaining 1-foot was then backfilled with like battery material. Upon completion of the approved remediation plan, the NMOCD agreed that no further action was required, and permission was granted to close the site.

#### NMOCD CORRESPONDENCE

Although BBC submitted a closure report, based on online NMOCD imaging correspondence from Bradford Billings, NMOCD, both 2RP-854 and 2RP-1079 are deferred by the Oil Conservation Division (OCD). NMOCD imaging files state:

"some contamination left in place due to equipment. Clean up deferred until site abandonment>> C-141 rec'd 3/26/12 for release on 3/12/12. Reported 8 bbls PW released w/7 bbls recovered. Source listed as 1/4" nipple on discharge side of water pump. Cause listed as " The 1/4 (inch) nipple on the discharge side of the water pump failed do to vibration and corrosion. The 1/4 (inch) nipple has been replaced." Area affected listed as " Initially 8 bbls of produced water were released from the water pump and we were able to recover 7 bbls with a vacuum truck. The spill area measured roughly 10' x 60' inside the tank battery with an area of overspray measuring roughly 30' x 50' on location outside of the tank battery. All free fluids have been picked up and the overspray

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area has been scraped with a backhoe. This spill area is identical to the spill from 07/27/2011. BBC will handle the remediation and closure of this release as well as the 07/27/2011 spill event."

As such, per NMOCD, these sites were indicated as deferred until Plugging & Abandonment (P&A) activities. Although not specifically detailed, when the battery had been abandoned, the site would be scheduled for remediation to officially close the incidents. Spur has provided documentation that the battery was decommissioned in December 2022.

#### **SLO CORRESPONDENCE**

As noted above, this site is currently operated by Spur Energy Partners, LLC (Spur). COP was contacted based on Spur's request to NMSLO to re-activate the Big George State #3 SWD which shares a pad with the battery. Because this well is on State lands, it requires an SWD easement with NMSLO. Spur recently received email correspondence from Mike McMillan with NMSLO requesting that Spur clean up these two open spills (2RP-1079 and 2RP-854). Associated regulatory correspondence is included in Appendix C.

Based on the SLO directives, and the assumed environmental liability retained by COP/hCXO for Spur sites, the release Site required recharacterization to determine the path forward for remedial action. Thus, the recent scope of work conducted involved additional site characterization and the vertical delineation of the release extent.

#### SITE CHARACTERIZATION

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

#### **DTW DETERMINATION**

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located with approximately ½ mile (800 meters) of the site. A licensed well drilling subcontractor was onsite on January 3, 2023, to drill a groundwater determination borehole (DTW) to 55 feet bgs at the northwest of the Big George State #3 lease pad. The borehole is indicated on Figure 4. The borehole was temporarily set and screened using 2-inch PVC well materials: 20 feet of blank casing and 35 feet of 0.010" slotted screen. The borehole was left for 72 hours and checked for the presence of groundwater. The borehole was dry upon drilling, and no water was present in the well after 72 hours. After gauging, the borehole was plugged with 3/8" bentonite chips. The boring log is presented in Appendix D.

#### **REGULATORY FRAMEWORK**

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

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

| Constituent       | Site RRAL    |
|-------------------|--------------|
| Chloride          | 10,000 mg/kg |
| TPH (GRO+DRO+ORO) | 2,500 mg/kg  |
| TPH (GRO+DRO)     | 1,000 mg/kg  |
| BTEX              | 50 mg/kg     |

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

| Constituent       | Reclamation Requirement |
|-------------------|-------------------------|
| Chloride          | 600 mg/kg               |
| TPH (GRO+DRO+ORO) | 100 mg/kg               |
| BTEX              | 50 mg/kg                |

#### **INITIAL 2023 SITE ASSESSMENT ACTIVITIES AND RESULTS**

Tetra Tech personnel were onsite to delineate and sample the former battery area and vicinity in January 2023. A total of twenty-one (21) soil borings (BH-1 through BH-21) were installed with a truck-mounted air rotary drilling rig and eight (8) soil borings (AH-1 through AH-8) were installed using hand auger to evaluate the vertical and horizontal extent of the release(s). The sampling locations associated with the site assessment activities are shown on Figure 4.

A total of one hundred sixty-six (166) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal) and analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. Photographic documentation of Site conditions prior and during site assessment activities is included in Appendix E. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix F.

Results from the January 2023 soil sampling event are summarized in Table 2. Analytical results associated with the 0-1 interval at boring location BH-21 exceeded the proposed Site RRALs for TPH in soils. All other analytical results from the January 2023 sampling were below Site RRALs. An anomalous result for TPH was detected in a subsurface interval in BH-12, well outside the reported release extent. This TPH RRAL exceedance is presumably related to an unrelated historical release, based on the uncontaminated surface soil.

#### REMEDIATION WORK PLAN REJECTION

A Work Plan was submitted by Tetra Tech on behalf of COP, dated February 27, 2023, to the NMOCD via the portal describing the assessment activities and sampling results. The Work Plan was denied by Ms. Brittany Hall on June 8, 2023, with the following comments:

- Remediation plan denied. Horizontal and vertical delineation will need to be completed at BH-12. Delineation at BH-12 will need to be completed at approximately the same location of the original borehole. A borehole within 1-2 feet of the original borehole location will be acceptable. Horizontal delineation will need to occur in the four cardinal directions of the BH-12/the replacement borehole for BH-12.
- 2RP-854 closed. Refer to incident #NMLB1122858011 in all future correspondence.
- Submit a complete report through the OCD Permitting website by 9/8/2023.

The denial comments can be found on OCD Permitting, Incident Events for incident nMLB1122858011.

#### ADDITIONAL 2023 ASSESSMENT AND SAMPLING RESULTS (BH-12)

On June 20, 2023, Tetra Tech personnel returned to the Site to reassess the area of boring location BH-12 based on the NMOCD rejection. One (1) soil boring (BH-12R) was installed with a truck-mounted air rotary drilling rig to a total depth of 10-feet bgs, and sampled on one-foot intervals, per request. BH-12R was drilled approximately 2 feet east of the original BH-12 location.

The boring location was sampled continuously from surface to total depth. A total of ten (10) samples were collected from the BH-12R boring location, transferred under chain of custody, and analyzed within appropriate hold times by Cardinal for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B,

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and BTEX via Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation is included in Appendix F.

Results from the June 2023 soil sampling event are summarized in Table 3. All analytical results associated with boring location BH-12R were below the proposed Site RRALs for chloride, TPH and BTEX. The findings from the previous investigation were not confirmed with the redrilled boring. Based on the lack of potential environmental impacts in the analytical results, no further assessment of soils (both vertically and horizontally) was completed at the Site.

#### **REVISED REMEDIATION WORK PLAN REJECTION**

A Revised Work Plan was submitted by Tetra Tech on behalf of COP, dated August 24, 2023, to the NMOCD via the portal describing the additional assessment activities and sampling results. The Revised Work Plan was denied by Ms. Brittany Hall on September 20, 2023, with the following comments:

- The OCD spoke to a Spur representative and Spur stated that they will not be building in the vicinity
  of the release location.
- Per 19.15.29.12 (C)(2) The responsible party shall restore the impacted surface area of a release
  occurring on a developed well pad, central tank battery, drilling site, compressor site or other
  exploration, development, production or storage sites to meet the standards of Table I of
  19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area
  pursuant to 19.15.29.13 NMAC.
- As the area of the release is no longer reasonably needed for production operations or for subsequent drilling operations, the site must meet the requirements of 19.15.29.12 NMAC and 19.15.29.13 NMAC. Horizontal delineation of BH-12 was not completed in the four cardinal directions as instructed in the previous rejection for this incident number, see application ID 191222. Horizontal delineation will need to be completed.
- Submit a complete report through the OCD Permitting website by 12/20/2023.

The denial comments can be found on OCD Permitting, Incident Events for incident nMLB1122858011.

A 90-day extension for incident ID (nMLB1122858011) was submitted to the NMOCD on December 13, 2023. The Extension was approved on December 15, 2023, for a new due date of March 19, 2024. Regulatory correspondence is included in Appendix C.

#### SUPPLEMENTAL 2024 ASSESSMENT AND SAMPLING RESULTS

On January 9, 2024, Tetra Tech personnel returned to the Site to provide supplemental data by reassessing the area of boring location BH-12 based on the NMOCD rejection. Four (4) supplemental soil borings (BH-12-24 A through BH-12-24 D) were installed with a truck-mounted air rotary drilling rig to a total depth of 10-feet bgs, and sampled on one-foot intervals, per OCD request. The boring locations were drilled in the cardinal directions; approximately 5 feet from the original BH-12/BH-12R locations.

As mentioned, the boring locations were sampled continuously from surface to total depth. A total of ten (40) samples were collected from the 4 boring locations, transferred under chain of custody, and analyzed within appropriate hold times by Cardinal for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation is included in Appendix F.

Results from the January 2024 soil sampling event are summarized in Table 4. All analytical results were below the proposed reclamation requirements and Site RRALs for chloride, TPH and BTEX. Horizontal delineation of the original BH-12 location was completed in the four cardinal directions as instructed in the OCD correspondence for this incident number. These four supplemental borings provide the necessary data to not only complete horizontal and vertical delineation of the BH-12 area, but the BH-12 area as a

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whole is now bound to the west by original drilled boring BH-10 to the west (for which collected data was below reclamation requirements) and boring AH-2 to the south.

Based on the location of these borings and the analytical results, no further assessment of soils (both vertically and horizontally) is required at the Site. The OCD stipulations have been fulfilled.

#### SPUR ENERGY PARTNERS CORRESPONDENCE

On April 16, 2024, ConocoPhillips Program Manager, Ike Tavarez and Spur EHS manager, Braidy Moulder met on site to inspect and determine areas needed for the continuing operation of the facility. Per Braidy Moulder, existing guy-line safety anchors in the intercardinal directions must remain in place on pad for the current and continuing operation and maintenance of the active SWD well. The guy-line safety anchors are located approximately 60 ft from the SWD (locations indicated in Figure 4).

To maintain structural integrity of the existing guy-line safety anchor points, an additional 12 ft from the edge of the pad mandated by Spur, thus, the boundary of the developed well pad needed for production operations has been established. This newly established pad boundary is indicated in Figures 4 through 7. During remedial activities, heavy machinery will remain outside these exclusion zones to avoid any disturbance to the structural integrity of the anchors. COP and Spur have agreed that these areas are needed for production operations or for subsequent workover rig operations. The extents of this pad have been established and duly recognized by both Spur and ConocoPhillips.

As of June 11, 2024, Tetra Tech has been provided documentation that Spur will be moving a temporary Hpump System onto the Big George lease pad this month, and that it will be in operation for the next 4-6 months. As a result, Spur requested that the remediation and reclamation be put on hold until the temporary system is relocated off pad. Correspondence with Spur is included in Appendix C.

#### **OCD CORRESPONDENCE**

A conference call was held on March 19, 2024 between Tetra Tech and NMOCD representatives Mike Bratcher and Brittany Hall discussing the pad and pasture boundary, previous NMOCD rejection, and the proposed remedial action at the site. During the call, the NMOCD was informed of the approximate location of the new boundary edge which demarcated the pad to the west and the pasture to the east. During the call, the OCD corroborated that remedial action limits (RRALs) could be used to compare on-pad analytical results remaining to the west of boundary edge to complete remedial activities. The OCD verified that if the areas to the east meet reclamation standards, then the remediation closure report would be approved.

OCD maintained that the responsible party (Spur) would be responsible for reclamation of any remaining on-pad areas. ConocoPhillips has coordinated with Spur Representatives regarding the proposed remedial action at the site and the Work Plan Addendum. An extension was requested on March 21, 2024 to allow time for continuing correspondence between COP and Spur. The extension was approved on March 21, 2024, by Brittany Hall with a new due date of June 17, 2024. Regulatory correspondence is included as Appendix C.

#### **REVISED REMEDIATION WORK PLAN - ADDENDUM**

Based on discussions and Spur's current and continuing operation and maintenance of the active SWD well, impact discovered east of the established pad boundary will be excavated as indicated in Figure 5. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 7-feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the applicable reclamation requirements/RRALs.

Tetra Tech personnel will collect confirmation samples to be evaluated for chloride, TPH and BTEX (Figure 6). If concentrations exceed the reclamation standards (or site RRALs below 4 feet), the defined areas will be further excavated until a representative sample from the bottom of the excavation is below the reclamation standards/applicable RRALs. Any area containing pressurized lines will be hand-dug to the

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proposed depth shown on Figure 5 or the maximum extent practicable; heavy equipment will come no more than 4 feet from any pressurized lines, and no more than 12 feet from guy-line safety anchors.

The area of the anomalous result for TPH in a subsurface interval in boring BH-12 is proposed for excavation and removal. Confirmation sampling will be conducted at that area to confirm the efficacy of the remedial action (as indicated in Figure 6).

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Prior to confirmation sampling the NMOCD district office will be notified via the portal in accordance with Subsection D of 19.15.29.12 NMAC. Confirmation floor and sidewall samples will be collected for verification of remedial activities and analyzed for TPH, BTEX, and chloride. The estimated total volume of material to be remediated is approximately 445 cubic yards.

#### **CONFIRMATION SAMPLING PLAN**

In accordance with 19.15.29.12(D)(1)(b) NMAC, COPC proposes the following confirmation sampling plan to adhere with NMOCD requirements (Figure 6). Fourteen (14) confirmation floor sample and twelve (12) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 4,481 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 400 square feet of excavated area. Confirmation samples will be sent to an accredited analytical laboratory for analysis of chloride, TPH, and BTEX. Once acceptable results are received, the excavation will then be backfilled with clean material to surface grade.

#### SITE RECLAMATION AND RESTORATION PLAN

Following completion of the proposed remedial activities and once the reclamation requirements are achieved in the upper four feet of soil, disturbed areas will be reclaimed. Additionally, areas undisturbed by the remediation (Figure 7) will be ripped and disced.

This backfilled area and ripped areas east of the pad boundary will be seeded post-remediation (or in the first favorable growing season) to aid in revegetation. Based on the location of the Site, the NMSLO Sandy Loam (SL) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled. The entire proposed reclamation extent is depicted in Figure 7.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix G.

#### CONCLUSION

ConocoPhillips proposes to begin remediation and reclamation activities at the Site within 120 days of NMOCD plan approval, with concurrence from Spur. Upon completion of the proposed work, a final closure report detailing the remediation and reclamation activities and the results of the confirmation sampling will be submitted to the NMOCD. The area shall be reclaimed in accordance with 19.15.29.13 NMAC as the Site is no longer being used for oil and gas operations. The completed C-141 forms are enclosed in Appendix A.

The 2RP-854 work plan will be submitted under separate cover. COP requests that both historical releases (2RP-1079 and 2RP-854) and subsequent work plans for the Site be reviewed concurrently. If you have

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any questions concerning the soil assessment or the proposed remedial activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

Nicholas M. Poole, G.I.T.

Project Manager

Christian M. Llull, P.G. Program Manager

CC:

Mr. Ike Tavarez, RMR – ConocoPhillips Sarah Chapman, Regulatory Director, Spur Energy Partners Michael McMillan, Petroleum Specialist, Oil, Gas, and Minerals Division, NMSLO

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#### LIST OF ATTACHMENTS

#### Figures:

- Figure 1 Overview Map
- Figure 2 Site Location/Topographic Map
- Figure 3 Approximate Release Extent and Site Assessment (BBC)
- Figure 4 Approximate Release Extent and Site Assessment (Tetra Tech)
- Figure 5 Proposed Remediation Extent
- Figure 6 Alternative Confirmation Sampling Plan
- Figure 7 Proposed Reclamation Extent

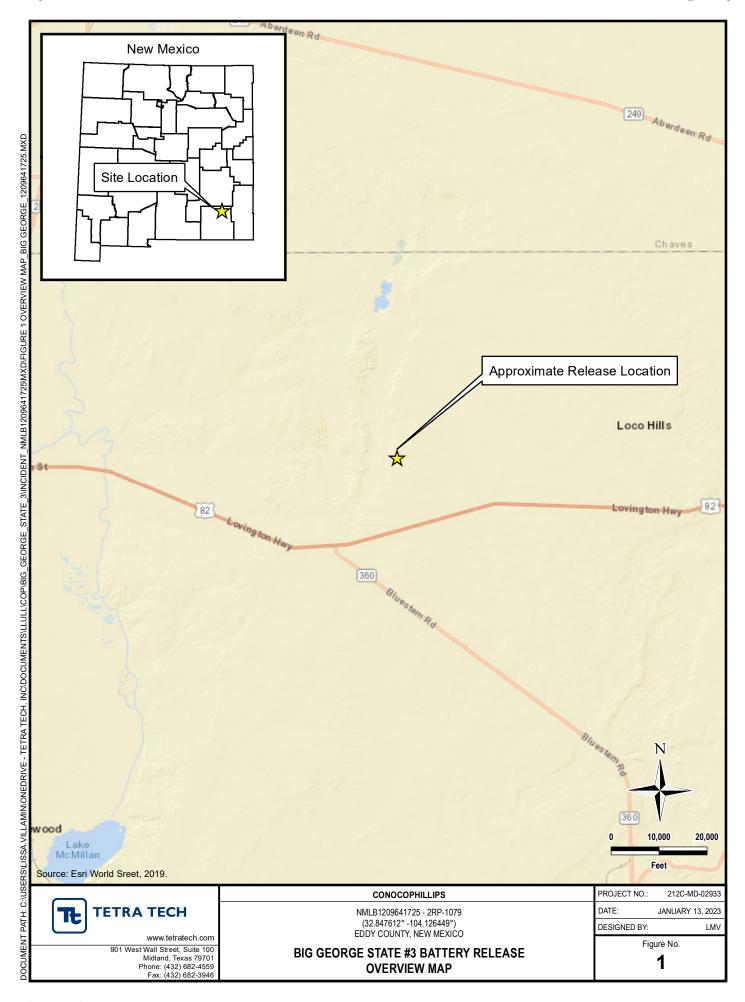
#### Tables:

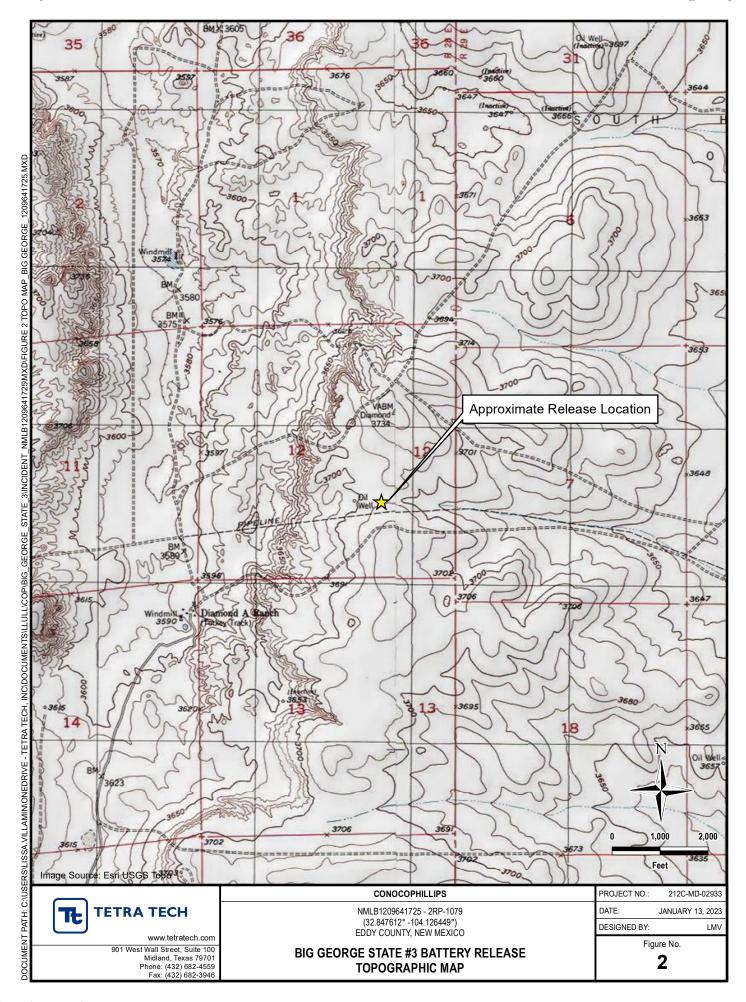
- Table 1 Summary of Analytical Results 2011 BBC Soil Assessment
- Table 2 Summary of Analytical Results 2023 Soil Assessment
- Table 3 Summary of Analytical Results 2023 Additional Soil Assessment
- Table 4 Summary of Analytical Results 2024 Additional Soil Assessment

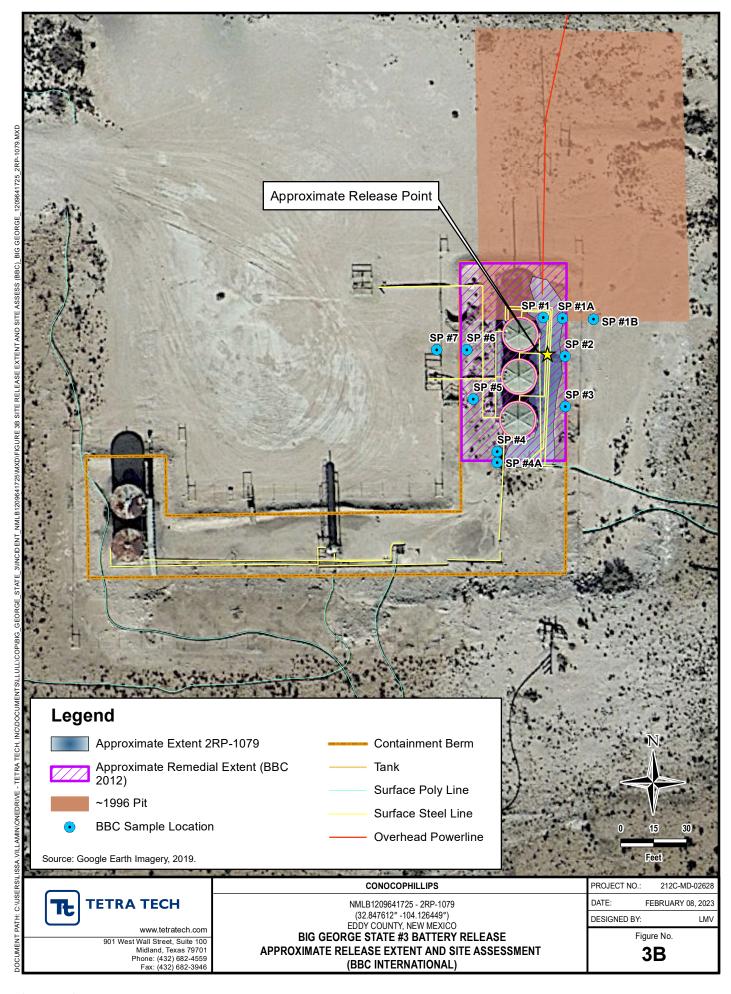
#### Appendices:

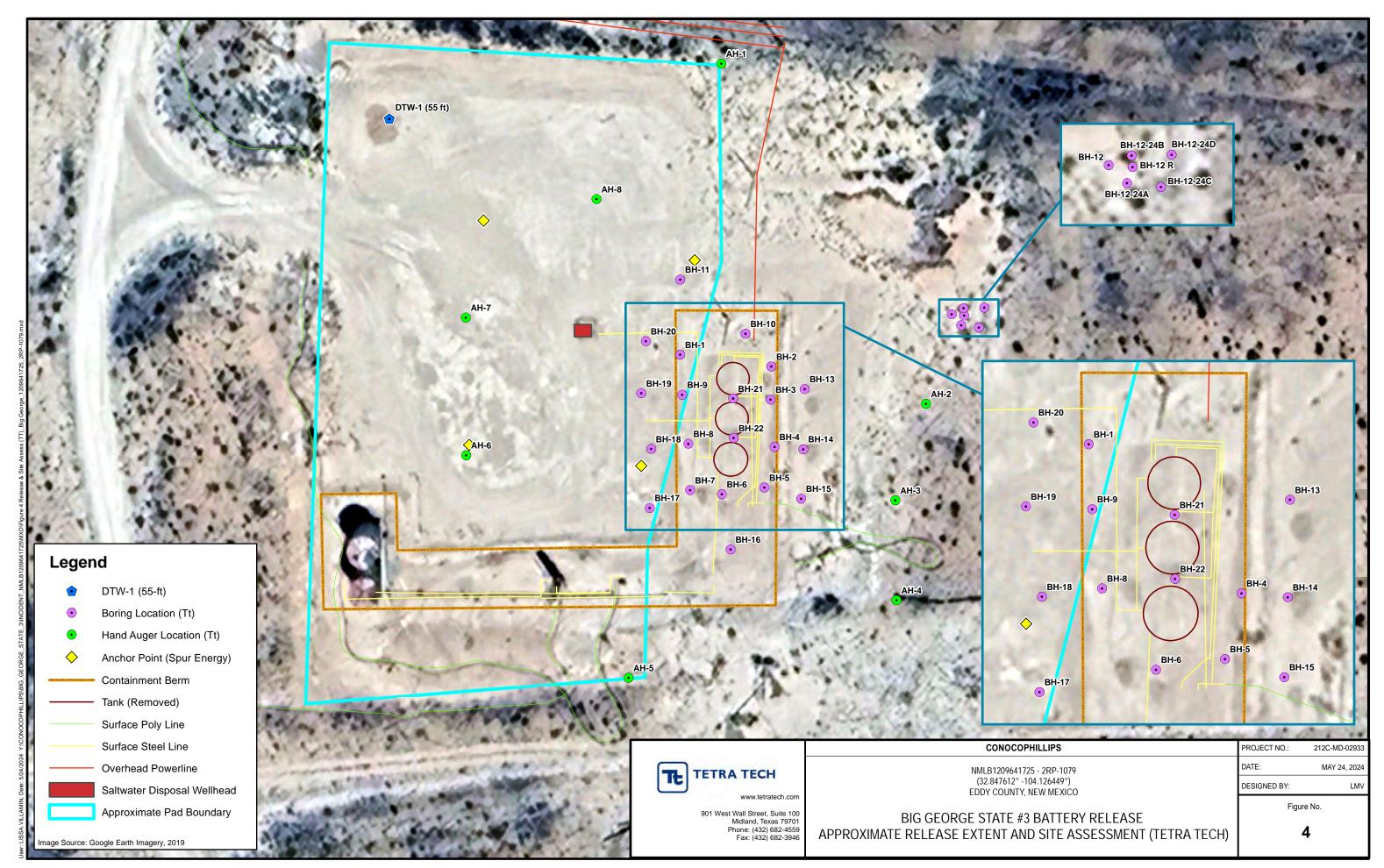
- Appendix A C-141 Forms
- Appendix B BBC Closure Report
- Appendix C Regulatory Correspondence
- Appendix D Site Characterization Data
- Appendix E Photographic Documentation
- Appendix F Laboratory Analytical Data
- Appendix G NMSLO Seed Mixture

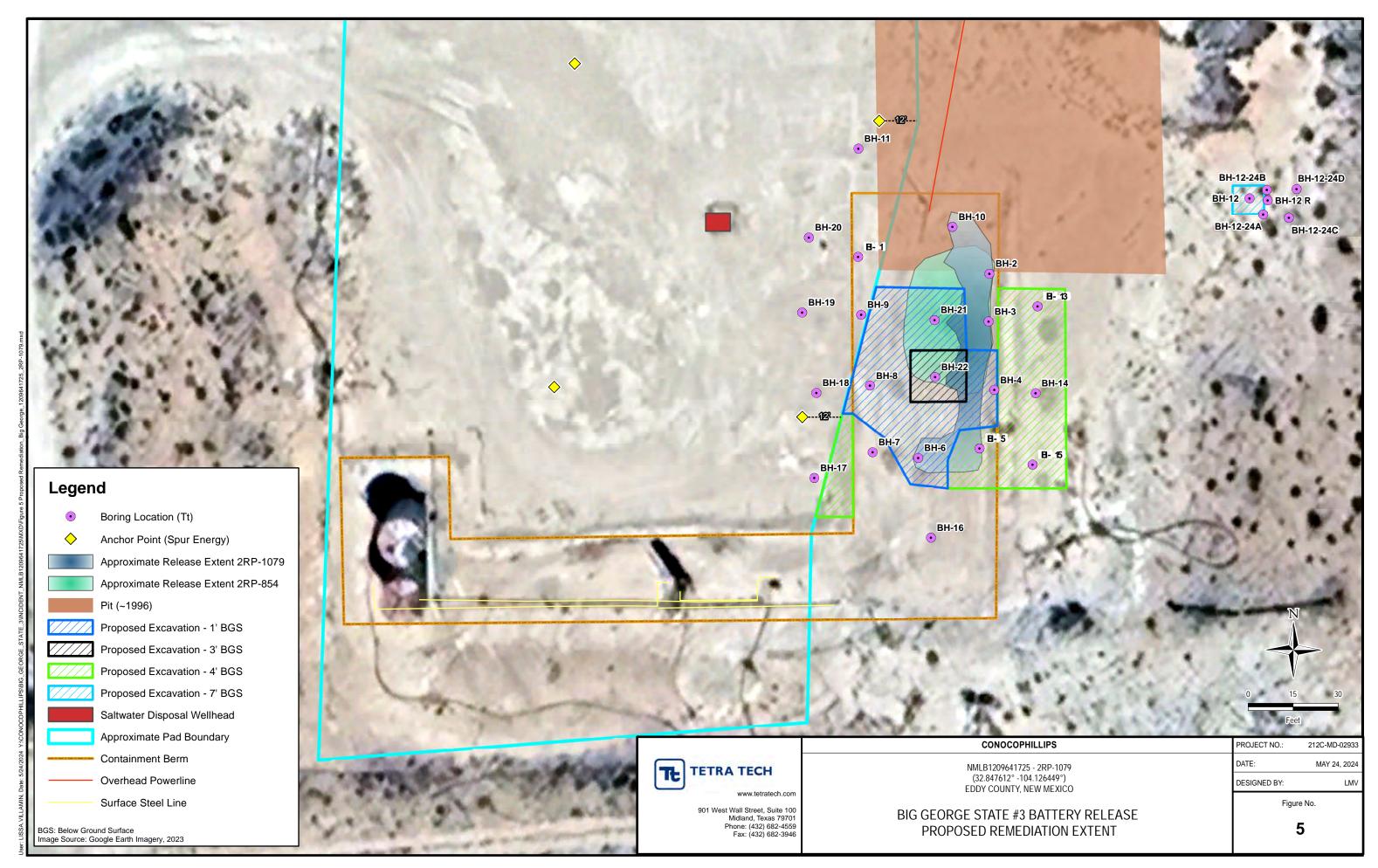
# **FIGURES**

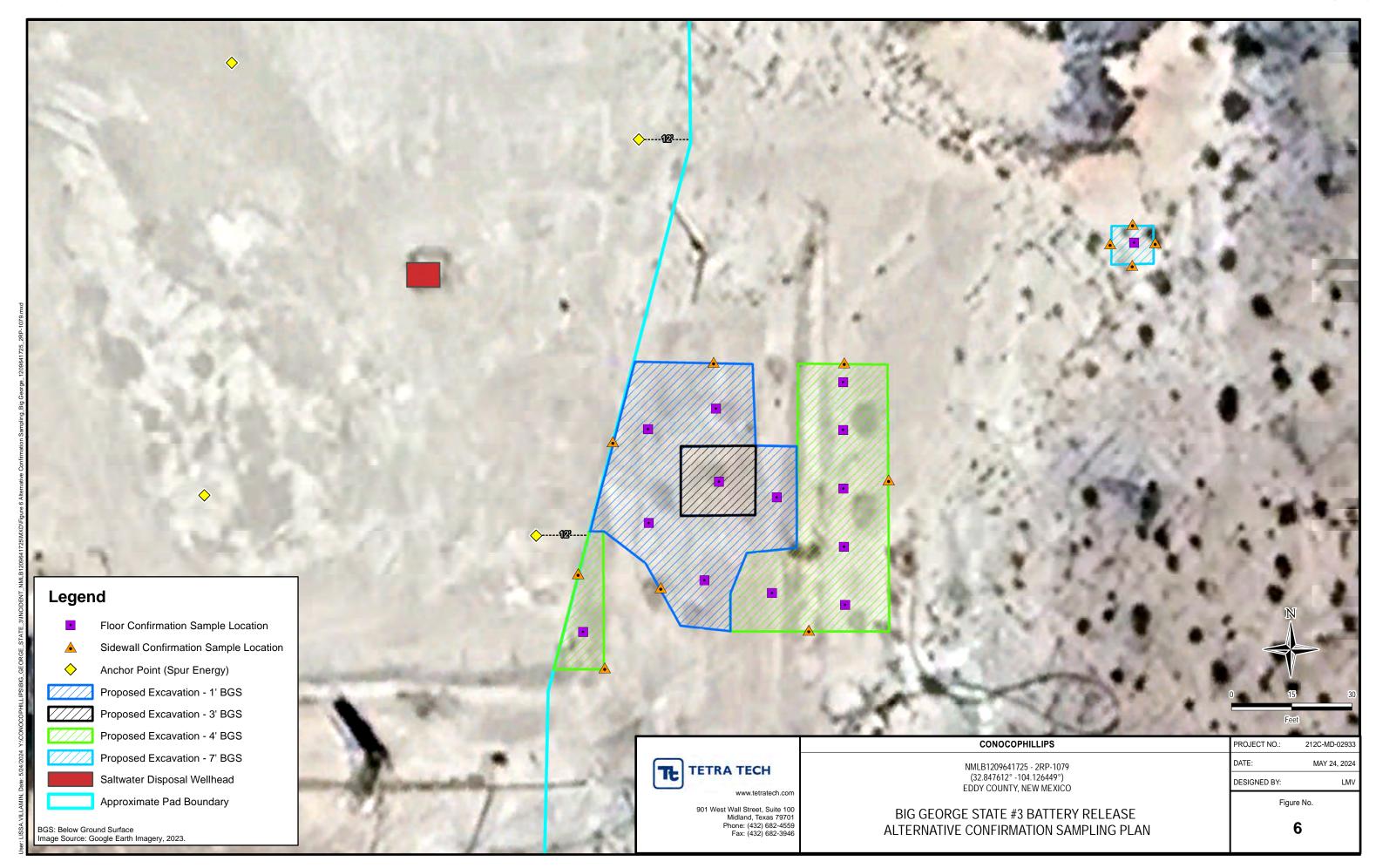


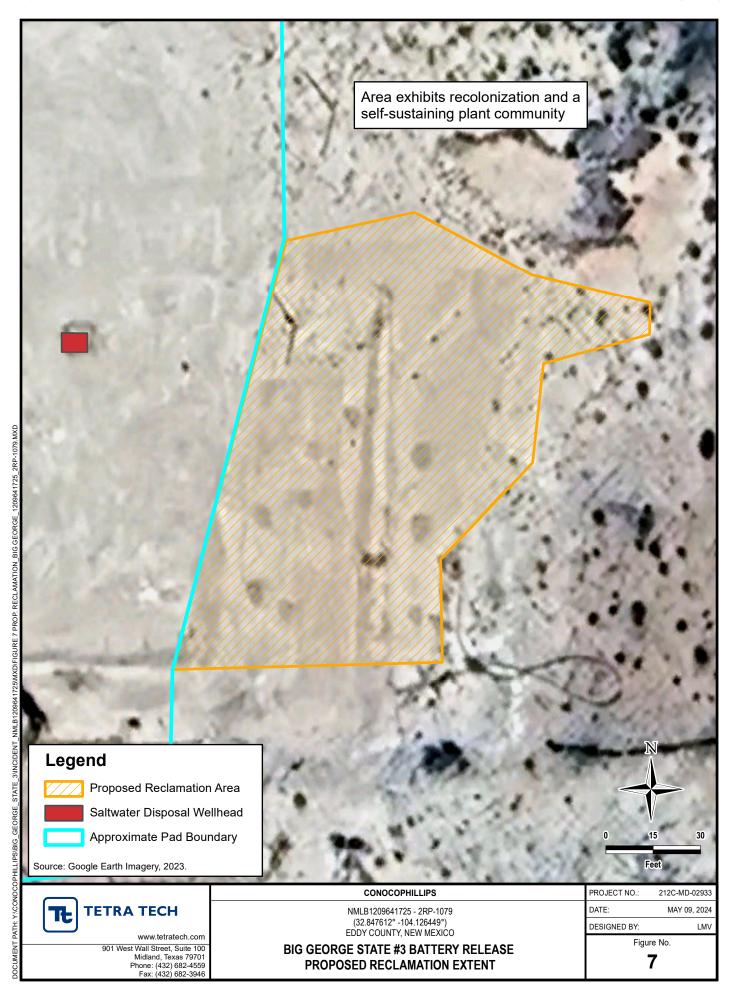












## **TABLES**

#### TABLE 1

### **SUMMARY OF ANALYTICAL RESULTS**

## 2011 BBC SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

## **CONOCOPHILLIPS**

### **BIG GEORGE STATE #3** EDDY COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Chlorid | $e^1$ |
|-----------|-------------|--------------|---------|-------|
|           |             | ft. bgs      | mg/kg   | Q     |
|           |             | 1            | 5,280   |       |
| SP1       | 8/15/2011   | 4            | 13,600  |       |
|           |             | 8            | 9,500   |       |
| SP2       | 8/15/2011   | 1            | 20,000  |       |
| 5. 2      | 0, 13, 2011 | 4            | 1,260   |       |
|           |             | 1            | 9,400   |       |
| SP3       | 8/15/2011   | 3            | 8,600   |       |
|           |             | 5            | 272     |       |
|           |             | 1            | 3,680   |       |
| SP4       | 8/15/2011   | 4            | 10,200  |       |
|           |             | 6            | 4,720   |       |
|           |             | 1            | 5,600   |       |
| SP5       | 8/15/2011   | 3            | 12,800  |       |
|           |             | 7            | 1,960   |       |
|           | 0/17/0011   | 1            | 4,240   |       |
| SP6       | 8/15/2011   | 3            | 2,200   |       |
|           |             | 2            | 14,200  |       |
|           |             | 4            | 2,560   |       |
| SP1A      | 9/21/2011   | 7            | 2,920   |       |
|           |             | 12           | 11,400  |       |
|           |             | 17           | 4,720   |       |
|           |             | 1            | 6,480   |       |
| SP1B      | 9/21/2011   | 4            | 8,260   |       |
|           |             | 7            | 6,720   |       |
|           |             | 7            | 6,800   |       |
| SP4A      | 9/21/2011   | 12           | 3,520   |       |
|           |             | 17           | 2,120   |       |
|           |             | 1            | 1,800   |       |
| SP7       | 9/21/2011   | 3            | 1,500   |       |
|           |             | 6            | 368     |       |
| NOTES:    |             |              |         | 11    |

#### NOTES:

ft.

Below ground surface mg/kg Milligrams per kilogram

TPH

Total Petroleum Hydrocarbons **QUALIFIERS**:

GRO Gasoline range organics DRO Diesel range organics Method SM4500Cl-B 2 Method 8021B

Method 8015M

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

|                  |                         |                        |                            | Chlorid    | es <sup>1</sup> |         |          |        |          | BTEX     | 2        |           |      |         |          |                    |          |                     |                 | TPH                   | 3               |                                |              |
|------------------|-------------------------|------------------------|----------------------------|------------|-----------------|---------|----------|--------|----------|----------|----------|-----------|------|---------|----------|--------------------|----------|---------------------|-----------------|-----------------------|-----------------|--------------------------------|--------------|
| 19.15.29.12 NMAC | Closure Criteria for So | ils Impacted by a Rele | ase (51 ft - 100 ft):      | < 10,000 r | ng/kg           | < 10 mg | /kg      |        |          |          |          |           |      | < 50 mg | /kg      |                    |          |                     |                 |                       |                 | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID        | Sample Date             | Sample Depth           | Field Screening<br>Results | Chlori     |                 | Benzer  |          | Toluer | ne       | Ethylben | zene     | Total Xyl | enes | Total B |          | GRO                |          | DRO                 | )               | EXT DF                | 10              | Total TPH<br>(GRO+DRO+EXT DRO) | GRO+DRO      |
| Sample ID        | Sample Date             | interval               | Chlorides                  |            |                 |         |          |        |          |          |          |           |      |         |          | C <sub>6</sub> - C | 10       | > C <sub>10</sub> - | C <sub>28</sub> | > C <sub>28</sub> - ( | C <sub>36</sub> | (GNO VENO VENI ENO)            |              |
|                  |                         | ft. bgs                | ppm                        | mg/kg      | Q               | mg/kg   | Q        | mg/kg  | Q        | mg/kg    | Q        | mg/kg     | Q    | mg/kg   | Q        | mg/kg              | Q        | mg/kg               | Q               | mg/kg                 | Q               | mg/kg                          | mg/kg        |
| AH-1             | 1/11/2023               | 0-1                    | 162                        | 80.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-2             | 1/11/2023               | 0-1                    | 78                         | 16.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-3             | 1/11/2023               | 0-1                    | 45                         | <16.0      |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-4             | 1/11/2023               | 0-1                    | 74                         | <16.0      |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-5             | 1/11/2023               | 0-1                    | 145                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-6             | 1/11/2023               | 0-1                    | 256                        | 96.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-7             | 1/11/2023               | 0-1                    | 485                        | 288        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| AH-8             | 1/11/2023               | 0-1                    | 805                        | 320        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | 76.2                |                 | 20.0                  |                 | 96.2                           | 76.2         |
|                  |                         | 0-1                    | -                          | 464        |                 | < 0.050 |          | <0.050 |          | <0.050   |          | <0.150    |      | < 0.300 |          | <10.0              |          | 893                 |                 | 273                   |                 | 1,166                          | 893          |
|                  |                         | 2-3                    | -                          | 80.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 3-4                    | -                          | 96.0       | 1               | <0.050  | <b>1</b> | <0.050 |          | <0.050   | 1        | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               | 1               | <10.0                 |                 | -                              | -            |
|                  |                         | 4-5                    | -                          | 32.0       | 1               | <0.050  | <b>1</b> | <0.050 |          | <0.050   | 1        | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               | 1               | <10.0                 |                 | - 1                            | -            |
| BH-1             | 1/11/2023               | 6-7                    | 124                        | 48.0       | 1               | <0.050  | <b>1</b> | <0.050 |          | <0.050   | 1        | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               | 1               | <10.0                 |                 | -                              | -            |
|                  |                         | 8-9                    | 112                        | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  |                         | 14-15                  | 144                        | 64.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 19-20                  | 269                        | 160        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  |                         | 24-25                  | 179                        | 80.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  | +                       | <u> </u>               | 1.3                        |            | l I             |         | l I      |        |          | 1        | <u> </u> |           |      |         | <u> </u> |                    |          |                     |                 | I                     |                 | +                              |              |
|                  |                         | 0-1                    | -                          | 208        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 2-3                    | -                          | 208        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 3-4                    | -                          | 208        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  | . / /                   | 4-5                    | -                          | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| BH-2             | 1/11/2023               | 6-7                    | -                          | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 8-9                    | 387                        | 48.0       |                 | <0.050  |          | <0.050 |          | <0050    |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 14-15                  | 208                        | 64.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 19-20                  | 236                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 24-25                  | 246                        | 128        |                 | <0.050  |          | <0.050 |          | <0.050   | <u> </u> | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 0-1                    | -                          | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 2-3                    | -                          | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| BH-3             | 1/10/2023               | 3-4                    | -                          | 64.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
| -                | ' ',                    | 4-5                    | 141                        | 48.0       |                 | <0.050  |          | <0.050 |          | <0.050   | <u> </u> | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  |                         | 6-7                    | 175                        | 80.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              | -            |
|                  | <u> </u>                | 8-9                    | -                          | 48.0       |                 | <0.050  | <u> </u> | <0.050 | <u> </u> | <0.050   | <u> </u> | <0.150    |      | <0.300  | <u> </u> | <10.0              | <u> </u> | <10.0               | <u></u>         | <10.0                 |                 | -                              | -            |
|                  |                         | 0-1                    | -                          | 816        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | 35.4                |                 | <10.0                 |                 | 35.4                           | 35.4         |
|                  | 1                       | 2-3                    | -                          | 96.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
| BH-4             | 1/10/2023               | 3-4                    | -                          | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  | 1                       | 4-5                    | 251                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  |                         | 6-7                    | 202                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  |                         | 0-1                    | 1040                       | 2,080      |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  | 1                       | 2-3                    | 193                        | 144        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  |                         | 3-4                    | 182                        | 912        |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
| BH-5             | 1/10/2023               | 4-5                    | 123                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   |          | <0.150    |      | <0.300  |          | <10.0              |          | <10.0               |                 | <10.0                 |                 | -                              |              |
|                  | 1                       | 6-7                    | 206                        | 32.0       |                 | <0.050  |          | <0.050 |          | <0.050   | 1        | <0.150    |      | <0.300  | l -      | <10.0              |          | <10.0               | <b>!</b>        | <10.0                 |                 | -                              |              |
|                  | 1                       |                        |                            |            |                 |         |          |        |          |          |          |           |      |         |          |                    |          |                     | 1               |                       |                 |                                |              |

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

| 40 45 20 42 1114 | Closure Criteria for So |                          | (54 () 400 ())             | Chlorid      | les <sup>1</sup> |                  |     |                  |    | ВТЕХ             | 2        |                  |      |                  |          |                    |    |                     |                 | TPH                 | H <sup>3</sup> |                                |              |
|------------------|-------------------------|--------------------------|----------------------------|--------------|------------------|------------------|-----|------------------|----|------------------|----------|------------------|------|------------------|----------|--------------------|----|---------------------|-----------------|---------------------|----------------|--------------------------------|--------------|
| 19.15.29.12 NMAC | Closure Criteria for So | ils impacted by a Relea  | ase (51 π - 100 π):        | < 10,000 r   | mg/kg            | < 10 mg          | /kg |                  |    |                  |          |                  |      | < 50 mg          | g/kg     |                    |    |                     |                 |                     |                | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID        | Sample Date             | Sample Depth<br>Interval | Field Screening<br>Results | Chlori       | de               | Benzer           | ne  | Toluer           | ne | Ethylben         | zene     | Total Xyle       | enes | Total B          | TEX      | GRO                |    | DRC                 |                 | EXT DF              |                | Total TPH<br>(GRO+DRO+EXT DRO) | GRO+DRO      |
|                  | 5                       |                          | Chlorides                  |              |                  |                  |     |                  |    |                  |          |                  |      |                  |          | C <sub>6</sub> - C | 10 | > C <sub>10</sub> - | C <sub>28</sub> | > C <sub>28</sub> - |                |                                |              |
| <u> </u>         |                         | ft. bgs                  | ppm                        | mg/kg        | Q                | mg/kg            | Q   | mg/kg            | Q  | mg/kg            | Q        | mg/kg            | Q    | mg/kg            | Q        | mg/kg              | Q  | mg/kg               | Q               | mg/kg               | Q              | mg/kg                          | mg/kg        |
|                  |                         | 0-1                      | 630                        | 640          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | 82.8                |                 | 14.9                |                | 97.7                           | 82.8         |
|                  |                         | 2-3                      | 128                        | 96.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 3-4                      | 173                        | 48.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
| BH-6             | 1/10/2023               | 4-5                      | 140                        | 64.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 6-7<br>8-9               | 133<br>200                 | 32.0<br>48.0 |                  | <0.050<br><0.050 |     | <0.050<br><0.050 |    | <0.050<br><0.050 |          | <0.150<br><0.150 |      | <0.300<br><0.300 |          | <10.0<br><10.0     |    | <10.0<br><10.0      |                 | <10.0<br><10.0      |                | -                              | -            |
|                  |                         | 14-15                    | 278                        | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              |              |
|                  |                         |                          |                            |              |                  |                  |     |                  |    | I                |          |                  |      |                  |          |                    |    |                     |                 |                     |                | <u> </u>                       |              |
|                  |                         | 0-1                      | -                          | 80.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 2-3<br>3-4               | -                          | 208          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 3-4<br>4-5               | -                          | 80.0<br>64.0 | -                | <0.050<br><0.050 |     | <0.050<br><0.050 |    | <0.050<br><0.050 |          | <0.150<br><0.150 |      | <0.300           |          | <10.0<br><10.0     |    | <10.0<br><10.0      |                 | <10.0<br><10.0      |                | -                              | -            |
|                  |                         | 6-7                      |                            | 80.0         |                  | <0.050           | -   | <0.050           |    | <0.050           | -        | <0.150           |      | <0.300           | <b>-</b> | <10.0              |    | <10.0               | -               | <10.0               | -              | -                              | -            |
| BH-7             | 1/11/2023               | 8-9                      | 210                        | 48.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              |              |
|                  |                         | 14-15                    | 253                        | 128          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 19-20                    | 465                        | 304          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 24-25                    | 222                        | 112          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 29-30                    | 214                        | 80.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 0-1                      | -                          | 96.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | 132                 |                 | 73.5                |                | 205.5                          | 132          |
|                  |                         | 2-3                      | -                          | 128          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | 10.7                |                 | 11.4                |                | 22.1                           | 10.7         |
|                  |                         | 3-4                      | -                          | 80.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 4-5                      | -                          | 80.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
| BH-8             | 1/11/2023               | 6-7                      | 171                        | 64.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 8-9                      | 284                        | 96.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 14-15                    | 427                        | 176          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 19-20                    | 530                        | 304          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 24-25                    | 523                        | 176          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 0-1                      | -                          | 608          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | 168                 |                 | 27.3                |                | 195.3                          | 168          |
|                  |                         | 2-3                      | -                          | 176          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 3-4                      | -                          | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
| BH-9             | 1/11/2023               | 4-5                      | 77.6                       | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 6-7                      | 75.3                       | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 8-9                      | 89                         | 16.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 14-15                    | 123                        | 16.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 0-1                      | 123                        | 80.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 2-3                      | 152                        | 48.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
| BH-10            | 1/10/2023               | 3-4                      | 161                        | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 4-5                      | 210                        | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           | ļ        | <0.150           |      | <0.300           | ļ        | <10.0              |    | <10.0               | ļ               | <10.0               | ļ              | -                              | -            |
|                  |                         | 7-8                      | 234                        | 32.0         |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           | -        | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  | <u> </u>                | 9-10                     | 142                        | 16.0         | <u> </u>         | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 0-1                      | 2,020                      | 2,560        |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
| BH-11            | 1/9/2023                | 2-3                      | 1,700                      | 1,680        |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |
|                  |                         | 3-4                      | 578                        | 576          |                  | <0.050           |     | <0.050           |    | <0.050           | <u> </u> | <0.150           |      | <0.300           | <u> </u> | <10.0              |    | <10.0               | <u> </u>        | <10.0               | <u> </u>       | -                              | -            |
|                  |                         | 4-5                      | 571                        | 464          |                  | <0.050           |     | <0.050           |    | <0.050           |          | <0.150           |      | <0.300           |          | <10.0              |    | <10.0               |                 | <10.0               |                | -                              | -            |

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

| 40 45 00 40 1144 | al                       |                          | (54 () 400 ())                          | Chlorid        | es <sup>1</sup> |         |     |        |    | BTEX            | 2    |                 |       |          |     |  |       |                     |       | TPI                 | l <sup>3</sup> |                                |              |
|------------------|--------------------------|--------------------------|---|----------------|-----------------|---------|-----|--------|----|-----------------|------|-----------------|-------|----------|-----|--|-------|---------------------|-------|---------------------|----------------|--------------------------------|--------------|
| 19.15.29.12 NMAC | Closure Criteria for Soi | is impacted by a Relea   | ase (51 ft - 100 ft):                   | < 10,000 n     | ng/kg           | < 10 mg | /kg |        |    |                 |      |                 |       | < 50 mg  | /kg |  |       |                     |       |                     |                | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID        | Sample Date              | Sample Depth<br>Interval | Field Screening<br>Results<br>Chlorides | Chloric        | de              | Benze   | ne  | Toluer | ne | Ethylben        | zene | Total Xyl       | enes  | Total B1 | гех | GRO<br>C <sub>6</sub> - C <sub>1</sub> |       | > C <sub>10</sub> - |       | EXT DE              |                | Total TPH<br>(GRO+DRO+EXT DRO) | GRO+DRO      |
|                  |                          | ft. bgs                  | ppm                                     | mg/kg          | Q               | mg/kg   | Q   | mg/kg  | Q  | /               | Q    | /               | Q     | mg/kg    | Q   | mg/kg                                  | Q     | mg/kg               | Q Q   | > C <sub>28</sub> - | Q Q            |                                |              |
|                  |                          | 0-1                      | 83.6                                    | 32.0           | ų               | <0.050  | ų   | <0.050 | ų  | mg/kg<br><0.050 | ų    | mg/kg<br><0.150 | ų     | <0.300   | ų   | <10.0                                  | ų     | <10.0               | ų     | <10.0               | ų              | mg/kg                          | mg/kg        |
| !                |                          | 2-3                      | 350                                     | 256            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | · · ·        |
| !                |                          | 3-4                      | 560                                     | 1,020          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              |              |
| BH-12            | 1/10/2023                | 4-5                      | 574                                     | 688            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | 22.1                |       | <10.0               |                | 22.1                           | 22.1         |
| !                |                          | 6-7                      | 232                                     | 288            | S-06            | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <50.0                                  |       | 2,250               |       | 660                 |                | 2,910                          | 2,250        |
|                  |                          | 7-8                      | 343                                     | 272            | 3 00            | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | 638                 |       | 201                 |                | 839                            | 638          |
|                  | <del></del>              | 0-1                      | 2760                                    |                |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   | l   | <10.0                                  |       | 26.9                |       | <10.0               |                | 26.9                           |              |
| !                |                          | 3-4                      | 1210                                    | 2,760<br>1,300 |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | 26.9                           | 26.9         |
| !                |                          | 3-4<br>4-5               | 835                                     | 1,020          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              |              |
| !                |                          | 6-7                      | 1500                                    | 1,330          | <b>-</b>        | <0.050  |     | <0.050 |    | <0.050          | -    | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               | <b>-</b>       | -                              | -            |
| !                |                          | 9-10                     | 2010                                    | 1,710          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | _                              | -            |
| BH-13            | 1/10/2023                | 14-15                    | 3540                                    | 5,280          | 1               | <0.050  |     | <0.050 |    | <0.050          | 1    | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               | 1              | -                              | -            |
| 20               | _,,,                     | 19-20                    | 2270                                    | 1,840          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | <u> </u>     |
| !                |                          | 24-25                    | 2590                                    | 2,480          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 29-30                    | 1100                                    | 1,040          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 34-35                    | 1540                                    | 720            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 39-40                    | 512                                     | 800            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
|                  |                          | 0-1                      | 1970                                    | 2,120          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | 54.8                |       | 25.8                |                | 80.6                           | 54.8         |
| !                |                          | 2-3                      | -                                       | 800            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          | QR-03 | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 3-4                      | -                                       | 624            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          | 4     | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 4-5                      | 922                                     | 720            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 6-7                      | 1130                                    | 880            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 7-8                      | 1680                                    | 1,680          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 9-10                     | 1410                                    | 1,310          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| BH-14            | 1/10/2023                | 14-15                    | 3110                                    | 5,680          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 19-20                    | 2430                                    | 3,120          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 24-25                    | 1410                                    | 1,570          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 29-30                    | 2610                                    | 3,840          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 34-35                    | 1240                                    | 1,440          | QM-07           | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 39-40                    | 681                                     | 704            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
|                  |                          | 44-45                    | 512                                     | 640            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
|                  |                          | 0-1                      | 3,180                                   | 3,200          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | 29.4                |       | <10.0               |                | 29.4                           | 29.4         |
| !                |                          | 2-3                      | -                                       | 2,240          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| · ·              |                          | 3-4                      | -                                       | 1,620          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| BH-15            | 1/9/2023                 | 4-5                      | 1,800                                   | 1,600          |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 6-7                      | 863                                     | 688            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| ļ                | [                        | 7-8                      | 570                                     | 672            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
|                  |                          | 9-10                     | 531                                     | 416            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  | QR-03 | <10.0               | QR-03 | <10.0               |                |                                |              |
|                  |                          | 0-1                      | 530                                     | 384            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                |                          | 2-3                      | 507                                     | 448            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| D                | 4/40/                    | 3-4                      | 587                                     | 336            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| BH-16            | 1/10/2023                | 4-5                      | 466                                     | 304            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| ļ                | [                        | 6-7                      | 561                                     | 336            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |
| !                | I                        | 7-8                      | 355                                     | 288            |                 | <0.050  |     | <0.050 |    | <0.050          |      | <0.150          |       | <0.300   |     | <10.0                                  |       | <10.0               |       | <10.0               |                | -                              | -            |

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

BIG GEORGE STATE # 3

EDDY COUNTY, NM

| 40 45 00 40 10   |                           |                          | (54.6) 405.53              | Chlorid    | les <sup>1</sup> |         |     |        |    | BTEX     | (²    |           |      |         |     |                    |    |                     |                 | TPI                 | l <sup>3</sup>  |                                |              |
|------------------|---------------------------|--------------------------|----------------------------|------------|------------------|---------|-----|--------|----|----------|-------|-----------|------|---------|-----|--------------------|----|---------------------|-----------------|---------------------|-----------------|--------------------------------|--------------|
| 19.15.29.12 NMAC | C Closure Criteria for So | ils Impacted by a Rele   | ase (51 ft - 100 ft):      | < 10,000 r | ng/kg            | < 10 mg | /kg |        |    |          |       |           |      | < 50 mg | /kg |                    |    |                     |                 |                     |                 | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID        | Sample Date               | Sample Depth<br>Interval | Field Screening<br>Results | Chlori     | de               | Benze   | ne  | Toluer | ne | Ethylben | izene | Total Xyl | enes | Total B | гех | GRO                |    | DRC                 | )               | EXT DI              | RO              | Total TPH<br>(GRO+DRO+EXT DRO) | GRO+DRO      |
| <b>-</b>         |                           |                          | Chlorides                  |            |                  |         |     |        |    |          |       |           |      |         |     | C <sub>6</sub> - C | .0 | > C <sub>10</sub> - | C <sub>28</sub> | > C <sub>28</sub> - | C <sub>36</sub> |                                |              |
|                  |                           | ft. bgs                  | ppm                        | mg/kg      | Q                | mg/kg   | Q   | mg/kg  | Q  | mg/kg    | Q     | mg/kg     | Q    | mg/kg   | Q   | mg/kg              | Q  | mg/kg               | Q               | mg/kg               | Q               | mg/kg                          | mg/kg        |
|                  |                           | 0-1                      | 3,360                      | 4,640      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 3-4                      | 4,490                      | 3,600      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
| BH-17            | 1/9/2023                  | 6-7                      | 1,860                      | 2,680      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  | , , , , ,                 | 7-8                      | 1,480                      | 1,340      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 9-10                     | 1,020                      | 976        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  | <u> </u>                  | 14-15                    | 436                        | 384        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 0-1                      | 3,580                      | 3,680      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 2-3                      | -                          | 3,600      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 3-4                      | -                          | 3,600      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
| BH-18            | 1/9/2023                  | 4-5                      | 3,250                      | 3,280      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 7-8                      | 658                        | 928        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 8-9                      | 541                        | 368        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 9-10                     | 499                        | 400        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 0-1                      | 4,580                      | 5,040      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 10.9                |                 | <10.0               |                 | 10.9                           | 10.9         |
|                  |                           | 3-4                      | 1,660                      | 1,720      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
| BH-19            | 1/9/2023                  | 6-7                      | 1,260                      | 1,070      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 8-9                      | 450                        | 352        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 9-10                     | 373                        | 288        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 0-1                      | 3,580                      | 3,480      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 118                 |                 | 47.6                |                 | 165.6                          | 118          |
|                  |                           | 3-4                      | 2,120                      | 1,380      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
| BH-20            | 1/9/2023                  | 6-7                      | 1,320                      | 672        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 7-8                      | 672                        | 400        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 9-10                     | 436                        | 240        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 0-1                      | 158                        | 240        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 3,400               |                 | 641                 |                 | 4,041                          | 3,400        |
|                  |                           | 2-3                      | 198                        | 128        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 34.6                |                 | <10.0               |                 | 34.6                           | 34.6         |
|                  |                           | 3-4                      | 183                        | 64.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 13.5                |                 | <10.0               |                 | 13.5                           | 13.5         |
| BH-21            | 1/10/2023                 | 4-5                      | 123                        | 32.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 11.7                |                 | <10.0               |                 | 11.7                           | 11.7         |
|                  |                           | 6-7                      | 161                        | 32.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 137                 |                 | 13.9                |                 | 150.9                          | 137          |
|                  |                           | 8-9                      | 186                        | 32.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 346                 |                 | 43.0                |                 | 389.0                          | 346          |
|                  |                           | 14-15                    | 132                        | 48.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 0-1                      | 4370                       | 5,600      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 171                 |                 | 36.0                |                 | 207                            | 171          |
|                  |                           | 2-3                      | 3960                       | 5,360      |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | 29.2                |                 | <10.0               |                 | 29.2                           | 29.2         |
| BH-22            | 1/10/2023                 | 3-4                      | 434                        | 480        |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
| BП-22            | 1/10/2023                 | 6-7                      | 90.4                       | 32.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  |                           | 8-9                      | 236                        | 64.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |
|                  | ĺ                         | 14-15                    | 183                        | 32.0       |                  | <0.050  |     | <0.050 |    | <0.050   |       | <0.150    |      | <0.300  |     | <10.0              |    | <10.0               |                 | <10.0               |                 | -                              | -            |

NOTES:

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

bgs Below ground surface Shaded rows indicate intervals proposed for excavation.

Total Petroleum Hydrocarbons <u>QUALIFIERS:</u>

GRO Gasoline range organics 5-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

Method SM4500Cl-B QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2 Method 8021B

3 Method 8015M

mg/kg Milligrams per kilogram

#### TABLE 3

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 ADDITIONAL SOIL ASSESSMENT - nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

BIG GEORGE STATE #3

EDDY COUNTY, NM

| 19.15.29.12 NI | MAC Closure Criteria f | or Soils Impacted by a    | Chlorid    | les¹  |         |     |        |    | ВТЕХ     | 2    |           |      |          |     |                                 |    |                       |     | TPH                   | 3               |                                |              |
|----------------|------------------------|---------------------------|------------|-------|---------|-----|--------|----|----------|------|-----------|------|----------|-----|---------------------------------|----|-----------------------|-----|-----------------------|-----------------|--------------------------------|--------------|
|                | F                      | Release (51 ft - 100 ft): | < 10,000 n | ng/kg | < 10 mg | /kg |        |    |          |      |           |      | < 50 mg  | /kg |                                 |    |                       |     |                       |                 | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID      | Sample Date            | Sample Depth<br>Interval  | Chloric    | de    | Benzei  | ne  | Toluer | ie | Ethylben | zene | Total Xyl | enes | Total B1 | ΓEX | GRO                             |    | DRO                   |     | EXT DR                | RO              | Total TPH<br>(GRO+DRO+EXT DRO) | GRO+DRO      |
| Sample 1D      | Sample Date            |                           |            |       |         |     |        |    |          |      |           |      |          |     | C <sub>6</sub> - C <sub>1</sub> | 10 | > C <sub>10</sub> - 0 | -28 | > C <sub>28</sub> - ( | C <sub>36</sub> | (,                             |              |
|                |                        | ft. bgs                   | mg/kg      | Q     | mg/kg   | Q   | mg/kg  | ď  | mg/kg    | Q    | mg/kg     | ď    | mg/kg    | Q   | mg/kg                           | Q  | mg/kg                 | Q   | mg/kg                 | Q               | mg/kg                          | mg/kg        |
|                |                        | 0-1                       | 64         |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 1-2                       | 112        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 2-3                       | 464        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 3-4                       | 384        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
| BH-12R         | 6/19/2023              | 4-5                       | 224        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
| BII-12K        | 0/15/2023              | 5-6                       | 176        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | =            |
|                |                        | 6-7                       | 128        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 7-8                       | 112        |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 8-9                       | 96         |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | -                              | -            |
|                |                        | 9-10                      | 64         |       | <0.050  |     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |    | <10.0                 |     | <10.0                 |                 | =                              | =            |

 ${\it Bold\ and\ italicized\ values\ indicate\ exceedance\ of\ proposed\ \it RRALs\ and\ Reclamation\ Requirements.}$ 

NOTES:

ft. Feet

Below ground surface

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons

Gasoline range organics

Diesel range organics

Method SM4500Cl-B

Method 8021B Method 8015M

#### TABLE 4

#### SUMMARY OF ANALYTICAL RESULTS

#### 2024 ADDITIONAL SOIL ASSESSMENT - nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3 EDDY COUNTY, NM

| 9.15.29.12 NMAC Clo | sure Criteria for Soils | mpacted by a Release     | Chlorid    | es¹   |            |        |    | BTEX     | 2    |           |      |          |     |                                 |   |                       |   | TPH <sup>3</sup>      |   |                                |              |
|---------------------|-------------------------|--------------------------|------------|-------|------------|--------|----|----------|------|-----------|------|----------|-----|---------------------------------|---|-----------------------|---|-----------------------|---|--------------------------------|--------------|
|                     |                         | (51 ft - 100 ft):        | < 10,000 n | ng/kg | < 10 mg/kg |        |    |          |      |           |      | < 50 mg  | /kg |                                 |   |                       |   |                       |   | < 2,500 mg/kg                  | <1,000 mg/kg |
| Sample ID           | Sample Date             | Sample Depth<br>Interval | Chloric    | ie    | Benzene    | Toluer | ne | Ethylben | zene | Total Xyl | enes | Total BT | EX  | GRO                             |   | DRO                   |   | EXT DE                |   | Total TPH (GRO+DRO+EXT<br>DRO) | GRO+DRO      |
|                     |                         |                          |            |       |            |        | 1  |          |      |           |      |          |     | C <sub>6</sub> - C <sub>1</sub> | _ | > C <sub>10</sub> - C |   | > C <sub>28</sub> - ( | _ |                                |              |
|                     |                         | ft. bgs                  | mg/kg      | Q     | mg/kg Q    | mg/kg  | Q  | mg/kg    | Q    | mg/kg     | Q    | mg/kg    | Q   | mg/kg                           | Q | mg/kg                 | Q | mg/kg                 | Q | mg/kg                          | mg/kg        |
|                     |                         | 0-1                      | 32         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              | -            |
|                     |                         | 1-2                      | 144        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              | -            |
|                     |                         | 2-3                      | 224        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              | -            |
|                     |                         | 3-4                      | 80         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
| BH-12-24 A          | 1/9/2024                | 4-5                      | 64         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     | , , ,                   | 5-6                      | 80         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 6-7                      | 64         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 7-8                      | 80         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 8-9                      | 80         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 9-10                     | 80         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              | •            |
|                     |                         | 0-1                      | 64         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 1-2                      | 224        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 2-3                      | 464        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 3-4                      | 416        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
| DU 42 24 D          | 1/0/2024                | 4-5                      | 256        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
| BH-12-24 B          | 1/9/2024                | 5-6                      | 208        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 6-7                      | 208        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 7-8                      | 224        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 8-9                      | 192        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 9-10                     | 112        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 0-1                      | 48         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 1-2                      | 144        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 2-3                      | 192        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 3-4                      | 160        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 4-5                      | 144        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
| BH-12-24 C          | 1/9/2024                | 5-6                      | 128        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 6-7                      | 112        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 7-8                      | 144        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 8-9                      | 96         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 9-10                     | 176        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 0-1                      | 48         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   |                                |              |
|                     |                         | 1-2                      | 48         |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 2-3                      | 176        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   |                                |              |
|                     |                         | 3-4                      | 272        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   |                                |              |
|                     |                         | 3-4<br>4-5               | 240        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
| BH-12-24 D          | 1/9/2024                | 5-6                      | 352        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   |                                |              |
|                     |                         | 6-7                      | 336        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              | <u> </u>     |
|                     |                         | 7-8                      | 224        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 8-9                      | 224        |       | <0.050     | <0.050 |    | <0.050   |      | <0.150    |      | <0.300   |     | <10.0                           |   | <10.0                 |   | <10.0                 |   | -                              |              |
|                     |                         | 9-10                     | 240        |       | <0.050     | <0.050 | -  | <0.050   |      | <0.150    | _    | <0.300   |     | <10.0                           | - | <10.0                 |   | <10.0                 | - |                                | -            |

NOTES:

ft. Feet bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

# **APPENDIX A C-141 Forms**

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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Form C-141 Revised October 10, 2003

NMOCD ARTESIA copies to appropriate District Office in accordance

with Rule 116 on back side of form

|  |   |   | Rele  | ease Notific  | ation                               | and Co                                      | rrective A  | ction                                 |   |   |                                    |                                       |
|--|---|---|---|---|-------------------------------------|---|---|---------------------------------------|---|---|------------------------------------|---------------------------------------|
| nMLB/20  | 96417   | 15  |   |   |                                     | OPERA?                                      | ror   |                                       | ⊠ Initia                                | al Report                                     |                                    | Final Report                          |
| Name of Co   | mpany   | COG OP  |   | G LLC 22913   |                                     | Contact                                     |   | t Ellis                               |   |   |                                    |                                       |
| Address  |   |   |   | dland, TX 7970  |                                     | Telephone l                                 |   | 230-007                               |   |   |                                    |                                       |
| Facility Nar   | ne l  | Big George S  | State Tan   | k Battery   |                                     | Facility Typ                                | e Tanl  | Batter                                | <u>y</u>                                |   |                                    |                                       |
| Surface Ow   | ner Stat  | е   |   | Mineral C   | )wner                               |   |   |                                       | Lease N                                 | lo. (API#)                                    | 30-015                             | 5-26340                               |
|  |   |   |   | LOCA  | TION                                | OF RE                                       | LEASE   |                                       |   |   |                                    |                                       |
| Unit Letter<br>J   | Section<br>12   | Township<br>17S                                     | Range<br>28E  | Feet from the   | North/                              | South Line                                  | Feet from the   | East/W                                | est Line                                | County  | Eddy                               |                                       |
|  |   |   |   | Latitude 32 5   | 50.852                              | Longitu                                     | ıde 104 07.600  |                                       |   |   |                                    |                                       |
|  |   |   |   | NAT   | <b>URE</b>                          | OF REL                                      |   |                                       |   |   |                                    |                                       |
| Type of Rele   |   |   |   | of water pump   |                                     |   | Release 8bbls   |                                       |   | Recovered                                     |                                    | <del></del>                           |
| Source of Re   | iease % n   | ipple on discr                                      | arge side   | or water pump   |                                     | 03/12/2013                                  | lour of Occurrenc<br>2  | .e                                    |   | Hour of Di: 12 6:30 a.                        |                                    |                                       |
| Was Immedia  | ate Notice C  |   | Ves 🔯   | No ⊠ Not R  | equired                             | If YES, To                                  | Whom?   |                                       | , , , , , , , , , , , , , , , , , , ,   |   |                                    |                                       |
| By Whom?   |   |   |   | , 110 <u>23</u> 110.111   |                                     | Date and I                                  | lour  |                                       |   |   |                                    |                                       |
| Was a Water  | course Read   |   |   |   |                                     |   | olume Impacting t   | he Wate                               | rcourse.                                |   |                                    |                                       |
|  |   |   | Yes 🗵   |   |                                     |   |   |                                       |   |   |                                    | ;                                     |
| If a Watercon  | irse was Im   | pacted, Descr                                       | ibe Fully.  | •   |                                     |   |   |                                       |   |   |                                    |                                       |
| Describe Cau   | use of Probl  | em and Reme   | dial Actio  | n Taken.*   |                                     |   |   |                                       |   |   |                                    |                                       |
| The ¼" nipp  | le on the dis   | scharge side of                                     | f the water   | r pump failed do t  | o vibrati                           | ion and corro                               | sion. The ¼" nip  | ple has t                             | been repla                              | ced.  |                                    |                                       |
| Describe Are   | a Affected  | and Cleanup A                                       | Action Tal  | ken.*   |                                     | -   |   |                                       |   |   |                                    |                                       |
| roughly 10';<br>been picked                                  | c 60' inside<br>up and the c                                  | the tank batte<br>overspray area                    | ry with an<br>has been                              | area of overspray   | y measur<br>ckhoe.                  | ring roughly .<br>This spill are            | to recover 7bbls of 30' x 50' on location a is identical to the                 | ion outsi                             | de of the t                             | ank battery                                   | . All fre                          | ee fluids have                        |
| I hereby cert  | ify that the i  | information gi                                      | ven above   | e is true and comp  | lete to th                          | he best of my                               | knowledge and u   | ınderstan                             | d that pur                              | suant to NA                                   | /OCD r                             | ules and                              |
| regulations a public health should their of the environment. | II operators<br>or the environment<br>operations homent. In a | are required to<br>ronment. The<br>nave failed to a | o report at<br>acceptant<br>adequately<br>OCD accep | nd/or file certain r<br>ce of a C-141 repo<br>y investigate and r | release n<br>ort by the<br>remediat | otifications a<br>e NMOCD m<br>e contaminat | nd perform correct<br>parked as "Final Rition that pose a three the operator of | ctive acti<br>eport" de<br>reat to gr | ons for rel<br>oes not rel<br>ound wate | leases which<br>leve the ope<br>or, surface w | h may er<br>erator of<br>vater, hu | ndanger<br>f liability<br>ıman health |
|  |   |   |   | 7   |                                     |   | OIL CON   | <u>SERV</u>                           | ATION                                   | DIVISI  | <u>ON</u>                          |                                       |
| Signature:   |   | /_  | 1 (   | <u></u>   |                                     |   | Dismed By Vis   | Al)                                   | J Bres                                  | Alde St.                                      |                                    |                                       |
| Printed Name   | e: /  | Josh  | Russo   |   |                                     |   |   |                                       |   | 19912   |                                    |                                       |
| Title:   |   | HSE C   | oordinato   | ·   |                                     | Approval Da                                 | APR 0 5 20  | )12                                   | Expiration                              | Date:   |                                    |                                       |
| E-mail Addr  | ess:  | jrusso@cono   | horesour  | ces.com   |                                     | Conditions o                                | - OCD R   | ules &                                |   | Attache                                       | d 🔲                                |                                       |
|  | 26/2012   |   |   | 432-212-2399  | ···                                 | Remediat                                    | JBMIT REMEI   | OITAIC                                | N                                       |   |                                    |                                       |
| * Attach Addi  | itional She   | ets If Necess                                       | ary   |   | Gui<br><b>PR</b> (                  | delines. Si<br>OPOSAL N                     | OT LATER THE  | AN:<br>2                              |   | 21  | CP.                                | -1019                                 |

#### Bratcher, Mike, EMNRD

From: Joshua Russo [jrusso@concho.com]
Sent: Monday, March 26, 2012 10:09 AM

To: Bratcher, Mike, EMNRD
Cc: Bratcher, Mike, EMNRD
Cliff P. Brunson; Ken Swinney

Subject: C-141 Initial Report - Big George State Tank Battery

**Attachments:** img-326114731-0001.pdf

Mr. Bratcher,

Please see attached the C-141 Initial Report for a release the occurred on 03/12/2012 at our Big George State Tank Battery. BBC will be handling the remediation and closure report for this release.

Thank you,

#### Joshua Russo

HSE Coordinator 550 W. Texas Ave, Suite 100 Midland, Texas 79701 Phone: (432) 683-7443

Cell: (432) 212-2399

irusso@conchoresources.com

CONCHO

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|                | Page 29 of 367 |
|----------------|----------------|
| Incident ID    |                |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Site Assessment/Characterization

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

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

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

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|                | Page 30 of 367 |
|----------------|----------------|
| Incident ID    |                |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|                 | or of liability should their operations have reat to groundwater, surface water, human health or the environment. In |
|-----------------|--|
| Printed Name:   | Title:   |
| Signature: 1475 |  |
| email:          | Telephone:   |
|                 |  |
| OCD Only        |  |
| Received by:    | Date:  |
|                 |  |

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|                | Tuge 31 0j 3 |
|----------------|--------------|
| Incident ID    |              |
| District RP    |              |
| Facility ID    |              |
| Application ID |              |

## **Remediation Plan**

| Remediation Plan Checklist: Fach of the following items must h   | e included in the plan                                       |  |  |
|--|--|--|--|
| Remediation Plan Checklist: Each of the following items must be included in the plan.  Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)   |  |  |  |
| Defended Description Control Each of the following items must be seen  | afirm of an unut of any very set for defermal of new disting |  |  |
| <u>Deferral Requests Only</u> : Each of the following items must be con  | njirmea as part of any request for deferrat of remediation.  |  |  |
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.   |  |  |  |
| Extents of contamination must be fully delineated.   |  |  |  |
| Contamination does not cause an imminent risk to human healt   | h, the environment, or groundwater.                          |  |  |
| 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:  | Title:   |  |  |
| Signature:   | Date:  |  |  |
| email:   | Telephone:   |  |  |
| OCD O. I   |  |  |  |
| OCD Only   |  |  |  |
| Received by:   | Date:  |  |  |
| ☐ Approved ☐ Approved with Attached Conditions of  | Approval   |  |  |
| Signature:   | Date:  |  |  |

# **APPENDIX B BBC Closure Report**

## SITE INFORMATION

**Report Type: Closure Report** 

| General Site Information:             |  |             |              |                               |
|---------------------------------------|--|-------------|--------------|-------------------------------|
| Site:                                 | Big George State #3 Battery  |             |              |                               |
| Company:                              | COG Operating LLC  |             |              |                               |
| Section, Township, and Range:         | 12   | 175         | 28E          |                               |
| Lease Number:                         | API# 30-015-28759  |             |              |                               |
| County:                               | Eddy Count   | y, NM       |              |                               |
| GPS:                                  | N 32 50.869  | }           | W 104 07     | .595                          |
| Surface Owner:                        | State  |             |              |                               |
| Mineral Owner:                        |  |             |              |                               |
| Directions:                           | In Loco Hills, from the intersection of Hwy 217 and Hwy 82, go West on Hwy 82 for 7.7 miles to lease road on right, turn right on lease road and go North on main road for 2.8 miles, turn left and go West for 0.3 mile, turn right and go North 0.1 mile to TB on right. |             |              |                               |
| Release Data:                         |  |             |              |                               |
| Date Released:                        | 7/27/2011  | and 03/12/  | 2012         |                               |
| Type of Release:                      | Produced w   |             | <u> </u>     |                               |
| Source of Contamination:              | Water tank   | (07/27/20:  | L1) and Wa   | ater pump (03/12/2012)        |
| Fluid Released:                       | 50 bbls (07/   | 27/2011) a  | nd 8 bbls (  | (03/12/2012)                  |
| Fluids Recovered:                     | 45 bbls (07/   | 27/2011) a  | ind 7 bbls ( | (03/12/2012)                  |
| Official Communication:               | <u> </u>   |             | <del></del>  |                               |
| Name:                                 | Pat Ellis  |             |              | Cliff Brunson                 |
| Company:                              | COG Operat   | ing LLC     |              | BBC International, Inc.       |
| Address:                              | 550 W. Texa  | s Ave., Ste | . 1300       | 1324 W. Marland               |
| PO Box:                               |  |             |              | PO Box 805                    |
| City, State, Zip Code:                | Midland, TX  | 79701       |              | Hobbs, NM 88241               |
| Phone Number:                         | (432) 686-3023   |             |              | (575) 397-6388                |
| Fax:                                  | (432) 684-7  | 137         |              | (575) 397-0397                |
| Email:                                | pellis@conchoresources.com   |             | es.com       | cbrunson@bbcinternational.com |
| Ranking Criteria:                     | _  |             |              |                               |
| Depth to Groundwater:                 | Ranking Score  |             | re           | Site Data                     |
| <50 ft.                               |  | 20          |              |                               |
| 50-99 ft.                             | 10   |             |              | 10                            |
| >100 ft.                              |  | 0           |              |                               |
| Well Head Protection:                 | Ranking Score  |             | re           | Site Data                     |
| Water 5ource <1,000 ft., Private <200 | 20   |             |              |                               |
| Water Source >1,000 ft., Private >200 | 0  |             |              | 0                             |
| Surface Body of Water:                | Ranking Score  |             | re           | Site Data                     |
| <200 ft.                              | 20   |             |              | ·                             |
| 200 ft 1,000 ft.                      | 10   |             |              |                               |
| >1,000 ft.                            | 0  |             | -            | 0                             |
| Total Ranking Score:                  |  | 10          |              | 1                             |

| Acceptable Soil RRAL (mg/kg) |            |      |  |
|------------------------------|------------|------|--|
| Benzene                      | Total BTEX | TPH  |  |
| 10                           | 50         | 5000 |  |

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# **COG Operating LLC**

## **Big George State #3 Battery**

(Release Dates 07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, New Mexico GPS: N 32 50.869 W 104 07.595

**ENVIRONMENTAL SITE INVESTIGATION** 

**CLOSURE REPORT** 

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(575) 397-6388 • FAX (575) 397-0397

October 18, 2012

PREPARED FOR:

MR. PAT ELLIS
MANAGER, HSE
COG OPERATING LLC
FASKEN CENTER TOWER II
550 WEST TEXAS AVENUE, SUITE 100
MIDLAND, TEXAS 79701

Mr. Mike Bratcher Compliance Officer Oil Conservation Division, District 2 811 South First Artesia, NM 88210

Re: Closure plan for COG Operating LLC, Big George State #3 Battery, Unit J, Section 12, Township 17 South, Range 28 East, Eddy County, NM

#### 1.0 SITE CHARACTERIZATION

The subject site is located East of Artesia, in Section 12, Township 17 South, and Range 28 East, Eddy County, New Mexico. The GPS coordinates are: N 32 50.869 W 104 07.595. The site consists of undeveloped rangeland and petroleum production facilities. On July 27, 2011, a sudden rush of production caused a tank overflow due to an alarm system failure. The spill measured roughly 30' x 30' inside the facility walls. Approximately 50 bbls of water were released with approximately 45 bbls being recovered by a vacuum truck. On March 12, 2012, an additional leak was discovered resulting from the failure of a ½" nipple on the discharge side of the water pump. The spill area measured roughly 10' x 60' inside the tank battery and an area of overspray measuring roughly 30' x 50' outside the tank battery. Approximately 8 bbls of produced water were release with 7 bbls recovered via vacuum truck.

A diagram of the location including the sample points can be reviewed in Appendix I of this report. The surface soil is tan to brown fine sand and sandy caliche. There is no water source within 1,000 feet of this site. Based on the data from the Eddy County Groundwater Trend Map, the depth to groundwater in Section 12, Township 17 South, and Range 28 East is 50' to 75'. The initial C-141s for both leaks are at the end of this report in Appendix III.

#### 2.0 SITE INVESTIGATION ACTIVITIES

On August 15, 2011, BBC personnel conducted a delineation of the site. The site delineation occurred after initial spill response activities had been conducted by COG. Six sample points were advanced in the leak area using a hand auger to a total depth of 8 feet. Three samples were taken from SP1at depths of 1 foot, 4 feet and 8 feet. Two samples were taken from SP2 at depths of 1 foot and 4 feet. Three samples were taken from SP3 at depths of 1 foot, 3 feet, and 5 feet. Three samples were taken from SP4 at depths of 1 foot, 4 feet, and 6 feet. Three samples were taken from SP5 at depths of 1 foot, 3 feet, and 7 feet. And, two samples were taken from SP6 at depths of 1 foot and 3 feet. The samples were taken to Cardinal Laboratories for chloride analysis. Laboratory analysis for SP1 was 5,280 ppm at 1 foot, 13,600 ppm at 4 feet, and 9,500 ppm at 8 feet. Laboratory analysis for SP2 was 20,000 ppm at 1 foot, and 1,260 ppm at 4 feet. Laboratory analysis for SP3 was 9,400 ppm at 1 foot, 8,600 ppm at 3

feet, and 272 ppm at 5 feet. Laboratory analysis for SP4 was 3,680 ppm at 1 foot, 10,200 ppm at 4 feet, and 4,720 ppm at 6 feet. Laboratory analysis for SP5 was 5,600 ppm at 1 foot, 12,800 ppm at 3 feet, and 1,960 ppm at 7 feet. Laboratory analysis for SP6 was 4,240 ppm at 1 foot and 2,200 at 3 feet. After further discussion with the NMOCD, all parties involved agreed that additional sampling was warranted. Therefore, additional samples were taken at the agreed upon locations of SP1, SP4, and SP7. Five samples were taken from SP1(A) at depths of 2 feet, 4 feet, 7 feet, 12 feet, and 17 feet. Three samples were taken from SP1(B) at depths of 1 foot, 4 feet, and 7 feet. Three samples were taken from SP4(A) at 7 feet, 12 feet, and 17 feet. And, three samples were taken from SP7 at 1 foot, 3 feet, and 6 feet. These samples were also taken to Cardinal Laboratories for chloride analysis. Laboratory analysis for SP1(A) is 14,200 ppm at 2 foot, 2,560 ppm at 4 foot, 2,920 ppm at 7 foot, 11,400 ppm at 12 feet, and 4,720 ppm at 17 feet. Laboratory analysis for SP1(B) is 6,480 ppm at 1 foot, 8,260 ppm at 4 feet, and 6,720 ppm at 7 feet. Laboratory analysis for SP4(A) is 6,800 ppm at 7 feet, 3,520 ppm at 12 feet, and 2,120 ppm at 17 feet. Laboratory analysis for SP7 is 1,800 ppm at 1 foot, 1,500 ppm at 3 feet, and 368 ppm at 6 feet. The results of the analysis are located in Appendix II if this report. The sample point locations can be viewed on the site diagram in Appendix I of this report.

#### 3.0 CONCLUSION AND RECOMMENDATION

During the second sampling event, the former reserve drilling pit was discovered in the areas of SP1(A) and SP1(B). The pit area exists inside the north-eastern side of the tank battery and then further east. Remnants of the pit contents were discovered as depicted in the pictures located in Appendix IV of this report. The pit contents are a large contributing factor to the high chloride content found in the samples in the SP1(A) and SP1(B) areas.

On December 13, 2011, BBC personnel met with Mike Bratcher of the NMOCD to discuss the laboratory results of the second sampling event. After discussing the findings, the NMOCD agreed to a remediation plan.

Prior to the start of the NMOCD-approved remediation plan, a second release occurred at the site on March 12, 2012. This release was similar to the first one, releasing fluid in the same area as before. The NMOCD agreed to allow the previously approved remediation plan to include the remediation of the leak that occurred on March 12, 2012.

In accordance with the approved remediation plan, excavation of approximately two feet of impacted soil inside the battery firewall down to the southern side of the SP4(A) sample area was completed. The excavation area was then backfilled with an impermeable liner consisting of one foot of compacted clay. The remaining backfill was completed with material similar to the rest of the battery.

Upon completion of the approved remediation plan, the NMOCD agreed that no further action was required and permission was granted to close this site. The site remediation was started on July 9, 2012 and completed on July 20, 2012. Photos of the remediation activities are located in Appendix V of this report.

The final C-141s are located in Appendix III of this report.

# **APPENDIX** I

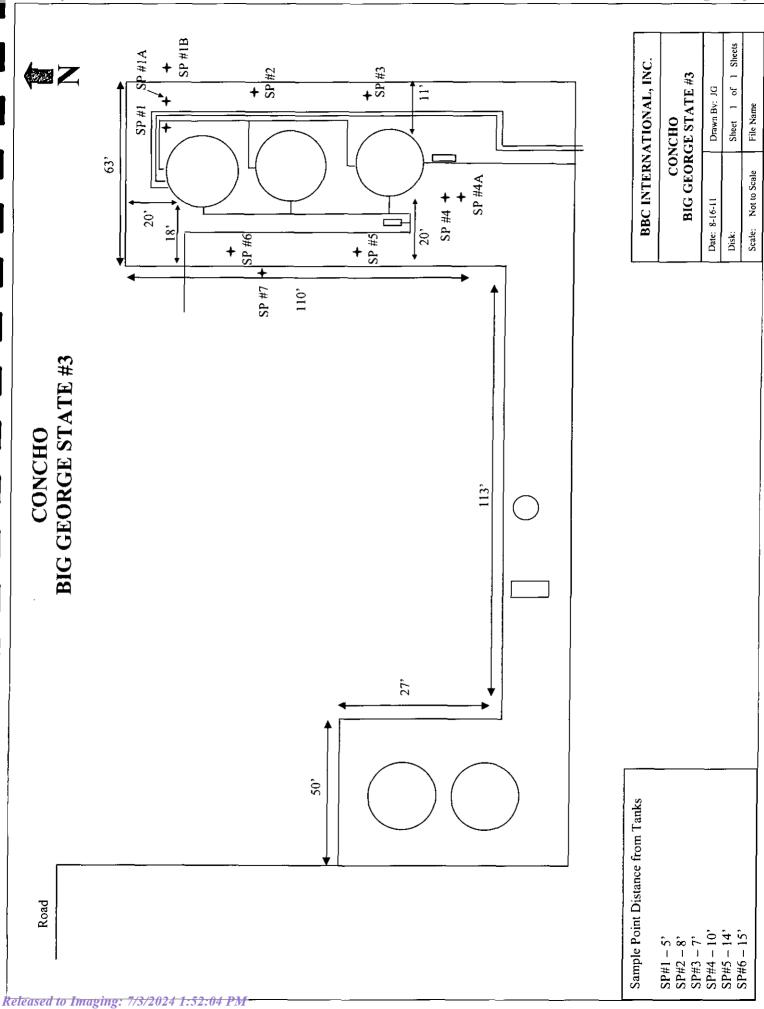
Site Diagram September 2011

### Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.





All Databases

SEO

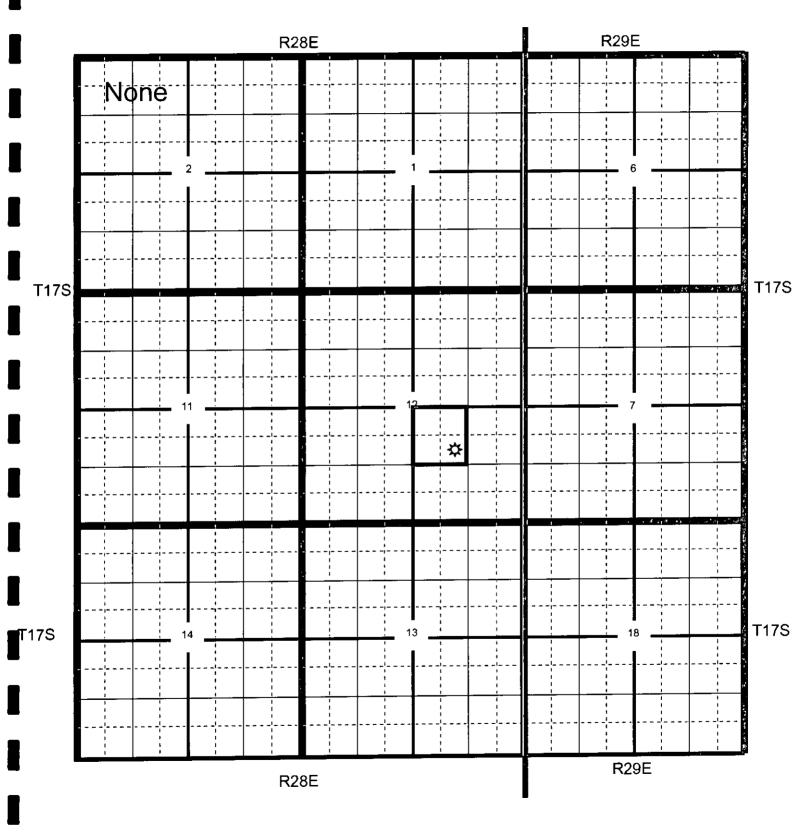


### **Groundwater Plot**

Oil/Gas Well Name: Big George State #3 Battery

County: Eddy UL  $\underline{J}$  Sec  $\underline{12}$  T  $\underline{17S}$  R  $\underline{28E}$ 

Trend Map: 50'-75'



USGS

Released to Imaging: 7/3/2024 1:52:04 PM

**⇔**Location

OCD

### Section Quarters

| Section 12             | 1                      | 2                           | ,                      |
|------------------------|------------------------|-----------------------------|------------------------|
| NW/NW                  | NE/NW                  | NW/NE                       | NE/NE                  |
| None                   |                        |                             |                        |
| Unit Letter D<br>SW/NW | Unit Letter C          | Unit Letter B<br>SW/NE      | Unit Letter A          |
| SWINW                  | SE/NW                  | SWINE                       | SE/NE                  |
|                        |                        |                             |                        |
| Unit Letter E          | Unit Letter F          | Unit Letter G               | Unit Letter H          |
| NW/SW                  | NEISW                  | NE/NW                       | NE/SE                  |
|                        |                        | Big George State #3 Battery |                        |
| Unit Letter L          | Unit Letter K<br>SE/SW | Unit Letter I               | Unit Letter I<br>SE/SE |
| SW/SW                  |                        | SW/SE                       | SE/SE                  |
|                        |                        |                             |                        |
| Unit Letter M          | Unit Letter N          | Unit Letter O               | Unit Letter P          |

## Big George State #3 Battery

4

UL J Sec 12 T 17 S R 28 E

☼ Location

- OCD
- USGS
- SEQ
- All

3

## APPENDIX II

Laboratory Analytical Results
September 2011

Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.

# Laboratory Analytical Results Summary COG, Big George State #3

|          |            | Sample | SP1A @  |         | SP1A SP1A @ SP1A | SP1A @  | @ SP1A @ |
|----------|------------|--------|---------|---------|------------------|---------|----------|
|          |            | campie | 2,      | @       |                  | 12,     | 17.      |
| Analyte  | Method     | Date   | 11/12/0 | 6/21/11 | 11/12/8          | 11/12/8 | 8/21/11  |
|          |            |        | 6y/6w   | mg/Kg   | mg/Kg            | mg/Kg   | mg/Kg    |
| Chloride | SM4500CI-B |        | 14200   | 2560    | 2920             | 11400   | 4720     |

Sample | SP1 @ 1' | SP1 @ 4' | SP1 @ 8'

mg/kg mg/kg mg/kg 5280 13600 9500

Date

Method

Analyte

Sample | SP2 @ 11 | SP2 @ 41

Date

Method

Analyte

mg/Kg 1260 8/15/11

mg/Kg 20000 11/21/8

SM4500CI-B

Chloride

|          |            |        | mg/Kg   | mg/Kg     | mg/Kg   | mg/Kg |
|----------|------------|--------|---------|-----------|---------|-------|
| Chloride | SM4500CI-B |        | 14200   | 2560      | 2920    | 11400 |
|          |            |        |         |           |         |       |
|          |            | Cample | SP1B    | SP1B SP1B | SP1B @  |       |
|          |            | эашын  | @ 1.    | @<br>4.   |         |       |
| Analyte  | Method     | Date   | 11/12/8 | 11/13/11  | 0/21/11 |       |
|          |            |        | By/Bw   | mg/Kg     | mg/Kg   |       |
| Chloride | SM4500CI-B |        | 6480    | 8260      | 6720    |       |

|          |            | Sample | SP4A @  | @ SP4A @ SP4A<br>12' 17 | SP4A @<br>17: |
|----------|------------|--------|---------|-------------------------|---------------|
| Analyte  | Method     | Date   | 9/21/11 | 9/21/11                 | 9/21/11       |
|          |            |        | mg/Kg   | By/Bw                   | mg/Kg         |
| Chloride | SM4500CI-B |        | 9800    | 3520                    | 2120          |

Sample | SP3 @ 1' | SP3 @ 3' | SP3 @ 5'

mg/Kg 272 8/15/11

mg/Kg 8600

mg/Kg 9400

SM4500CI-B

Chloride

11/21/8

Date

Method

Analyte

|            | Sample | SP4@1'  | Sample SP4@1' SP4@4' SP4@6' | SP4 @ 6' |          |            | Sample | Sample SP7 @ 1' SP7 @ 3' | SP7 @ 3 | S |
|------------|--------|---------|-----------------------------|----------|----------|------------|--------|--------------------------|---------|---|
| Method     | Date   | 8/15/11 | 815/11                      | 8//15/11 | Analyte  | Method     | Date   | 9/21/11                  | 9/21/11 | ı |
|            |        | mg/Kg   | mg/Kg mg/Kg                 | mg/Kg    |          |            |        | mg/Kg                    | mg/Kg   | - |
| SM4500CI-B |        | 3680    | 10200                       | 4720     | Chloride | SM4500CI-B |        | 1800                     | 1500    | 1 |
|            |        |         |                             |          |          |            |        |                          |         | 1 |

Analyte

Chloride

SP7 @ 6'

тg/**Кg** 368 9/21/11

|          |            | Sample | SP5@1    | Sample SP5 @ 1' SP5 @ 3' SP5 @ 7' | SP5 @ 7' |
|----------|------------|--------|----------|-----------------------------------|----------|
| Analyte  | Method     | Date   | 6/15/11  | 8/15/11                           | 8/15/11  |
|          |            |        | mg/Kg    | 6y/6m                             | mg/Kg    |
| Chloride | SM4500CI-B |        | 2600     | 12800                             | 1960     |
|          |            |        |          |                                   |          |
| ų.       |            | Sample | SP6 @ 1. | Sample SP6 @ 11 SP6 @ 31          |          |

|          |            | Sample | SP6 @ 1' | Sample SP6 @ 1' SP6 @ 3' |
|----------|------------|--------|----------|--------------------------|
| Analyte  | Method     | Date   | 816/11   | 8/16/11                  |
|          |            |        | mg/Kg    | Бу/Бш                    |
| Chloride | SM4500CI-B |        | 4240     | 2200                     |

| Released | to | Imaging: | 7/3/2024 | 1:52:04 | PM |
|----------|----|----------|----------|---------|----|

Chloride

SM4500CI-B



September 02, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BIG GEORGE STATE #3

Enclosed are the results of analyses for samples received by the laboratory on 08/31/11 10:15.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 8



### Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

08/31/2011

Reported:

09/02/2011 **BIG GEORGE STATE #3** 

Project Name: Project Number:

NONE GIVEN

Project Location:

Analyte

Analyte

Analyte

Analyte

COG

Result

5280

Sampling Date:

Sampling Type: Soil

Sampling Condition:

Jodi Henson

08/15/2011

Cool & Intact

Sample Received By:

Sample ID: SP 1 @ 1' (H101850-01)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Reporting Limit

16.0

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Analyzed By: HM

Analyzed Method Blank

RS % Recovery

448

112

400

True Value QC

RPD Qualifier 0.00

Sample ID: SP 1 @ 4' (H101850-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

09/01/2011

Analyzed

Method Blank

ND

ND

85 % Recovery True Value QC

RPD

Quatifier

13600

Result

16.0 09/01/2011

448

112

400

0.00

Sample ID: SP 1 @ 8' (H101850-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed

BS

% Recovery

True Value QC

RPD

Qualifier

Chloride

Chloride

9500

Result

20000

Result

16.0 09/01/2011

Method Blank ND

448

112

400

0.00

Sample ID: SP 2 @ 1' (H101850-04)

Chiaride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed 09/01/2011 Method Blank

ND

BS

448

% Recovery 112

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celey & Kune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



### Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

08/31/2011

Reported:

09/02/2011

Project Name: Project Number:

BIG GEORGE STATE #3 NONE GIVEN

Project Location:

COG

Sampling Date:

08/15/2011

Sampling Type: Sampling Condition: Soil

Cool & Intact

Sample Received By:

Jodi Henson

### Sample ID: SP 2 @ 4' (H101850-05)

| Chloride, | SM4500CI-B |  |
|-----------|------------|--|
|           |            |  |

Analyte

Analyte

Analyte

Analyte

mg/kg

Analyzed By: HM

Result

1260

Result

9400

Result

8600

Result

272

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed Method Blank

BS 448

448

% Recovery

112

112

True Value QC 400

RPD Qualifier

0.00

Sample ID: SP 3 @ 1' (H101850-06)

| Chloride, | SM4500CI-B |
|-----------|------------|
|           |            |

Chloride

Chloride

Chloride

Chloride

Chloride

mg/kg

Analyzed By: HM

Method Blank

ND

ND

ND

BS % Recovery

True Value QC 400

RPD 0.00

Qualifier

Sample ID: SP 3 @ 3' (H101850-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed

09/01/2011

09/01/2011

Analyzed

09/01/2011

Method Blank

BS

448

% Recovery

112

True Value QC

400

RPD

Qualifier

Sample ID: SP 3 @ 5' (H101850-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Reporting Limit

16.0

16.0

Analyzed 09/01/2011 Method Blank ND

BS 448 % Recovery 112

True Value QC

RPD

0.00

Qualifier

Chloride, SM4500CI-B

Analyte

Analyzed By: HM

0.00

Qualifier

Result

3680

400

Sample ID: SP 4 @ 1' (H101850-09)

09/01/2011

ND

mg/kg

Reporting Limit Analyzed

Method Blank

B\$ 448

% Recovery 112

True Value QC 400

RPD 0.00

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Day within thirty (30) days after complet

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 8

Released to Imaging: 7/3/2024 1:52:04 PM



### Analytical Results For:

BBC International, Inc.

Cliff Brunson

P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Analyzed By: HM

Received:

08/31/2011

Reported: Project Name: 09/02/2011

Project Number:

Project Location:

Analyte

Analyte

Analyte

Analyte

Chloride

Chloride

Chloride

Chloride

Chloride

NONE GIVEN

COG

Sampling Date:

08/15/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SP 4 @ 4' (H101850-10)

|               |         | <br> |  |
|---------------|---------|------|--|
| Chloride, SM4 | 500CI-B |      |  |

| hloride, | SM4500CI-B | mg/l |
|----------|------------|------|
|          |            |      |

10200

Result

4720

Result

5600

Result Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

**BIG GEORGE STATE #3** 

Analyzed

Method Blank ND

448

BS % Recovery

112

True Value QC 400

RPD Qualifier

0.00

Sample ID: SP 4 @ 6' (H101850-11)

Chloride, SM4S00CI-B

Analyzed By: HM Analyzed

09/01/2011

09/01/2011

Method Blank

BS % Recovery

112

True Value QC

400

Qualifier

0.00

RPD

Sample ID: SP 5 @ 1' (H101850-12)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM Analyzed

09/01/2011

Method Blank

ND

ND

В5

448

% Recovery

True Value QC **RPD** 

Qualifier

Sample ID: SP 5 @ 3' (H101850-13)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

448

112

400

0.00

Result

12800

Reporting Limit 16.0

Analyzed 09/01/2011 Method Blank ND

85 448 % Recovery

True Value QC

RPD

Qualifier

mg/kg

Analyzed By: HM

112

400

0.00

Sample ID: SP 5 @ 7' (H101850-14)

Chloride, SM4500CI-B

ND

Analyte

Result 1960 Reporting Limit Analyzed 16.0 09/01/2011

Method Blank

BS 448 % Recovery 112

True Value QC 400

RPD Qualifier 0.00

Cardinal Laboratories

\*=Accredited Analyte

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Celeny & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 8



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 08/31/2011

09/02/2011

Project Name: Project Number:

**BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

COG

Sampling Date:

08/16/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SP 6 @ 1' (H101850-15)

Chloride, SM4S00CI-B

Analyzed By: HM

Analyzed

Analyzed

Method Blank

BS % Recovery

True Value QC

400

RPD Qualifier

Chloride

Chloride

Result 4240

2200

09/01/2011

ND

448

112

0.00

### Sample ID: SP 6 @ 3' (H101850-16)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Method Blank

ND

BS % Recovery

True Value QC

RPD

Qualifier

Analyte Result

Reporting Limit 16.0

Reporting Limit

16.0

09/01/2011

448

112

400

0.00

Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine Celey D. Keene, Lab Director/Quality Manager

Page 5 of 8



### **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 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

Cardinal Laboratories

\*=Accredited Analyte

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Celegi Keene

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 8

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| ANALION AND THE PROPERTY OF TH | KECUEST |
|--|---------|
|  |         |
| Company:   |         |
| Attn:  |         |
| Address: Sylvife   |         |
| City:  |         |
|  |         |
| #  |         |
| Fax#:  |         |
| L  |         |
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| SOF<br>YZE:  |         |
| SILUDG<br>SELUDG<br>CE / CC<br>CE / CC<br>DATE   |         |
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| × 2/2 ×  |         |
| State: State: OTHER: ACID/BASE: A |         |

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| editeasons of otherwise  | ult: 🗆 Yes   | Fax Result: | REMARKS:     |                  |   | 1                            | -                            |          |
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| The state of the state state of the state of | C. C. T. Kecelved By:  |             | のほうとかり       | Received By:     | The Most of the second | Sample Condition CHECKED BY: | tact.                        | NO NO NO |
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† Cardinal cannot accept verbal changes, Please fax written changes to 505-393-2476

924

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

REQUES ANALYSIS TIME SAMPLING BILL 70 DATE Zip: PRESERV. : ABHTO Company Address: ICE / COOF Phone #: # O 4 State: Fax#: Attn: ACID/BASE: City: REHTO STUDGE MATRI OIL ROIF **MASTEWATER** Zip: 88241 Fax #: 575-397-0397 GROUNDWATER # СОИТАІИЕВЗ CAC (C)RAB OR (C)OMP. Project Owner: State: NM Vilday Colocal Time Company Name: BBC International, Inc. Sample I.D. Project Manager: Cliff Brunson Project Name: 1)(G (- (()) G ٩ Address: P.O. Box 805 Phone #; 575-397-6388 Project Location Sampler Name: H101850 の気は国を city: Hobbs FOR LAB USE ONLY Lab I.D. Project #:

nubset. All ders reducing new to regarde and promise states remote from any effect based in contact or not, small be traced to the amount pad by the deer for the remote from the states from the states and an observation where the same delete and processed and the states are stated and the same retains a managed to see the same and the same retains a managed to see the same and the same states are remote in the same states are remote in the same states and the same states are remote in the same states are remote and the same states are remote in the same states are remot actured by clear its subsquares EASE NOTE: 1 ability and Damages, Cardinals hability and clenifs extraory

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|Add'| Phone #: Phone Result: Fax Result: REMARKS: CHECKED BY: Cool may Ü Time: COUNT Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By: inquished By

† Cardinal cannot accept verbal changos. Please fax written changes to 505-393-2476

101 East Mariand, Hobbs, NM 88240

- ARDINAL LABORATORIES

505) 393-2326 FAX (505) 393-2476



September 28, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BIG GEORGE STATE #3

Enclosed are the results of analyses for samples received by the laboratory on 09/27/11 10:17.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 7



### Analytical Results For:

BBC International, Inc. **Cliff Brunson** P.O. Box 805

Hobbs NM, 88241 Fax To:

(505) 397-0397

Received:

09/27/2011

Reported:

09/28/2011

Project Name: Project Number: **BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

Analyte

Analyte

LOCO HILLS, NM

Sampling Date:

09/21/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SP 1A @ 2 FT (H102056-01)

| Chloride, | SM4500CI-B |
|-----------|------------|
|           | 11.00      |

Analyzed By: HM

Analyzed

Analyzed

Method Blank

ND

BS % Recovery

True Value QC

RPD

Qualifier

Chloride

Result 14200

16.0 09/28/2011

Reporting Limit

Reporting Limit

Reporting Limit

16.0

16.0

416

104

400

3.77

Sample ID: SP 1A @ 4 FT (H102056-02)

Chloride, SM4500CI-B

Analyzed By: HM

Method Blank

ND

BS % Recovery True Value QC

RPD Qualifier

Chloride

Chloride

Chloride

Result 2560

Result

2920

16.0 09/28/2011

416

104

400

3.77

Sample ID: 5P 1A @ 7 FT (H102056-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed

09/28/2011

Method Blank

ND

BS

448

% Recovery

112

True Value QC

400

RPD

Qualifier

Sample ID: SP 1A @ 12 FT (H102056-04)

Chloride, SM4500Cl-B

mg/kg

Method Blank

0.00

Analyzed By: HM

Analyte

Result Reporting Limit

11400

Analyzed 09/28/2011

ND

BS 448 % Recovery 112

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



### Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 09/27/2011

09/28/2011

Project Name: Project Number: **BIG GEORGE STATE #3** 

Project Location:

Analyte

Analyte

NONE GIVEN LOCO HILLS, NM Sampling Date:

Sampling Type:

09/21/2011 Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1A @ 17 FT (H102056-05)

Chloride, SM4500Cl-B

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

Analyzed

Method Blank

% Recovery

True Value OC

Oualifier

Chloride

Chloride

Result 4720

16.0 09/28/2011 ND

448

BS

112

400

RPD 0.00

Sample ID: SP 1B @ 1 FT (H102056-06)

Chloride, SM4500CI-B

Result

6480

Analyzed By: HM

Analyzed

09/28/2011

Method Blank

ND

BS 448 % Recovery 112

True Value QC RPD

Qualifier

Sample ID: SP 1B @ 4 FT (H102056-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte Result

Analyzed

Method Blank

RS % Recovery

True Value OC

RPD

0.00

Qualifier

Chloride

8260

Result

6720

Result

6800

09/28/2011

ND

448

112

400

400

0.00

Sample ID: SP 1B @ 7 FT (H102056-08)

Chloride, 5M4500Cl-B

Analyte

mg/kg

Analyzed By: HM

Analyzed

Method Blank

BS 448 % Recovery

True Value QC

RPD

Qualifier

Chloride

Chloride

Sample ID: SP 4A @ 7 FT (H102056-09)

Chloride, SM4500Cl-B

09/28/2011

Analyzed By: HM

BS

448

112

112

400

400

0.00

ND

ND

Reporting Limit

16.0

Analyzed

09/28/2011

Method Blank

% Recovery True Value QC RPD

0.00

Qualifier

Cardinal Laboratories

Analyte

\*=Accredited Analyte

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

MODDS NM, 8824

Fax To:

(505) 397-0397

Received:

09/27/2011

Reported:

09/28/2011

Project Name:

BIG GEORGE STATE #3

Project Number:

NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

09/21/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

### Sample ID: SP 4A @ 12 FT (H102056-10)

| Chloride, SM4500CI-B | mg/    | kg              | Analyze    | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3520   | 16.0            | 09/28/2011 | ND           | 448 | 112        | 400           | 0.00 |           |

### Sample ID: SP 4A @ 17 FT (H102056-11)

| Chloride, SM4500CI-B | mg     | /kg             | Analyze    | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2120   | 16.0            | 09/28/2011 | ND           | 448 | 112        | 400           | 0.00 |           |

### Sample ID: SP 7 @ 1 FT (H102056-12)

| Chloride, SM4500CI-B | mg     | /kg             | An <u>alyz</u> e | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed         | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1800   | 16.0            | 09/28/2011       | ND           | 448 | 112        | 400           | 0.00 |           |

### Sample ID: SP 7 @ 3 FT (H102056-13)

| Chloride, SM4500CI-B | mg     | /kg             | Analyze    | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1500   | 16.0            | 09/28/2011 | ND           | 448 | 112        | 400           | 0.00 |           |

### Sample ID: SP 7 @ 6 FT (H102056-14)

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: HM     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 368    | 16.0            | 09/28/2011 | ND           | 448 | 112        | 400           | 0.00 |           |

### Cardinal Laboratories

\*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause Wisspecer shall be deemed walved unless made in winting and received by Cardinal within thing (30) days after completion of the applicable service, in no event shall Cardinal be state for incidental or consequential damages, including, without limitations, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, artillates or successors arising out of or related to the performance or the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results related above. This report wall not be reproduced except in full with written approval of Cardinal Liabovatories.

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7

ND



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### **Notes and Definitions**

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Lubbing and Damages. C<sub>andinal</sub>'s liquiting and client's exclusive remedy for any claim arising, whilether based in contract or tork, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatspeever shall be deemed valued unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable sentce. In no event shall Cardinal be liable for incidental or consequential damages, michidang, without limitations, business interruliptions, loss of use, or loss of profits incurred by client, in subsidiances, affiliates or successors arong out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated realons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| ARDINAL LABORATORIES | 101 East Marland, Hobbs, NM 88240 | (505) 393-2326 FAX (505) 393-2476 |
|----------------------|-----------------------------------|-----------------------------------|
| 别                    |                                   |                                   |

| Company Name: BE   | Company Name: BBC International, Inc. |  | 01.7718                                  | ANALYSIS REQUEST |  |
|--|---------------------------------------|--|--|------------------|--|
| Project Manager: Cliff Brunson   | iff Brunson                           |  | P.O. #;                                  |                  |  |
| Address: P.O. Box 805  | 805                                   |  | Company:                                 |                  |  |
| city: Hobbs  | State: NM                             | M Zip: 88241   | Attn:                                    |                  |  |
| Phone #: 575-397-6388  |                                       | Fax #: 575-397-0397  | Address:                                 |                  |  |
| Project #:   | Project Owner: (                      | wner: Covictor   | City:                                    |                  |  |
| Project Name: (5)  | Big Greorgastate                      | FE # 3   | State: Zip:                              |                  |  |
| Project Location:  | Coco in 115 NM                        | W  | Phone #:                                 |                  |  |
| Sampler Name:  | Joseph Wood                           | F117   | Fax #;                                   |                  |  |
| FOR LAD USE ONLY   |                                       | MATRIX   | PRESERV SAMPLING                         |                  |  |
| Lab I.D.   | Sample I.D.                           | B OR (C)OMP. TEMPERS T | BASE:                                    |                  |  |
| #1020%   |                                       | ево <i>г</i><br># со   | OTHE<br>ACIDA                            |                  |  |
| - 50<br>- 50   | こみゆ ひひ                                | 131  | 1.1. 5-21-1400                           |                  |  |
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| 7  | で、年多し年                                |  | ) 56 · · · · · · · · · · · · · · · · · · |                  |  |
| 50 5   | (A @ 12-t                             |  | N 35                                     | X                |  |
| 0.<br>€  | するこうです                                | シ <u></u>  | 1  | X                |  |
| (元 o)  | - 12 の 14 ·                           |  | 1/2 2/1 " X                              | X                |  |
| 7 020  | 50 00 a crt                           | > 67   | 1 1 10 CE                                | <i>y</i> '       |  |
| 5 SP   | ナノショー                                 |  | 7. 135                                   | ×                |  |
| 9  | 14 6 VAT                              | × × ×  | (,   250                                 |                  |  |
| 10 52  | 14-21 四十万                             | Z  | 1 1 1 1 1 244                            | X                |  |
| The Part of the Pa |                                       |  |  |                  |  |

PLEAS NOTE: Utbick and Damages. Campais takels, and derifs enduave remode, for all other included to the anomical State for the anamy of a fact that a campais the state of th

☐ Yes ☐ No Add Phone# ☐ Yes ☐ No IAdd Fax#: EMAR ACL Phone Result: Fax Result: REMARKS: Time Delivered By: (Circle One) Relinquished By: Relinguished By

CHECKED BY

Sample Condition

Cool Intact

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393(2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Nam               | Company Name: BBC International Inc.   | al, Inc.                               | ,        | ,        |                |  |           | e di                                  |          | 8        | 177    | BILL TO  | IN       |   | Ā  | ANALYSIS | SIS      | RE              | REQUEST      | S. | :                                       |             |          |             |
|---------------------------|--|--|----------|----------|----------------|--|-----------|---------------------------------------|----------|----------|--------|----------|----------|---|--|----------|----------|-----------------|--------------|----|---|-------------|----------|-------------|
| Project Manage            | Project Manager: Cliff Brunson   | ,                                      |          |          |                |  |           | α.                                    | P.O.#:   | ٠.       |        |          | L        |   | $\vdash$                                     | ┢        | <b>∤</b> |                 |              |    |   |             | $\vdash$ |             |
| Address: P.O. Box 805     | . Box 805  |  |          |          |                |  |           | ت                                     | g mo     | Company: |        |          | <u> </u> |   |  |          |          |                 |              |    |   | ···.        |          |             |
| city: Hobbs               |  | State: NM 2                            | Zip:     | l        | 88241          | _                                      |           | ď                                     | Attn:    |          |        |          |          |   |  |          |          |                 |              |    |   |             |          |             |
| Phone #: 575-397-6388     | -397-6388  | Fax#: 575-397-0                        | 397.     | -0397    | 97             |  |           | 4                                     | Address: | :88:     |        |          |          |   |  |          |          | · · · · · · · · |              |    | • |             |          |             |
| Project #:                | 4. 3   | Project Owner: Courch                  | V        | 20       | ر <del>ز</del> | 5                                      |           | Ü                                     | City:    |          |        |          |          |   |  |          |          |                 | <del>,</del> |    |   |             |          |             |
| Project Name:             | Buy George STATE   | DE STATE                               | The same |          | [~             |  |           | ű                                     | State:   |          | Zip:   |          |          | • | <u>.                                    </u> |          |          |                 |              |    |   |             |          |             |
| Project Location:         | m. Coco Huces  | 5 3                                    |          |          |                |  |           | ۵۰                                    | Phone #: | ¥        |        |          |          |   |  |          |          |                 | ····         |    |   |             |          | <del></del> |
| Sampler Name:             | Joicoan (Llocal  | Joed Fire                              |          | ·        |                |  |           | ü.                                    | Fax#:    |          |        |          |          |   |  |          |          | -               | ······       |    |   |             |          |             |
| FOR LAB USE ONLY          |  |  |          | ┞        |                | ΜA                                     | MATRIX    |                                       | PR       | PRESERV. | L      | SAMPLING |          |   |  |          |          |                 |              |    |   |             |          |             |
|                           |  |  | C)OMP.   |          |                | ······································ |           |                                       |          |          |        |          | -/       |   |  |          |          | _               |              |    |   | <del></del> |          |             |
| Lab I.D.                  | Sample I.D.  |  | ) AO 8   |          | AWQN<br>TAWE   |  |           | ··· · · · · · · · · · · · · · · · · · |          | cor      |        |          | 0        |   |  |          |          | <del>,</del>    |              |    |   |             |          |             |
| H102056                   |  |  | AA(5)    | # CON    |                | ZOIF                                   | סור       | SLUDO                                 | VCIO/E   | O / BOI  | DATE   | TE TIME  |          |   |  |          |          |                 |              |    |   |             |          |             |
|                           | 5744 @ 1784  |  | 7        | ٠        |                | <b>:</b> -<                            |           |                                       |          |          | 3-22-6 | 716 12   | X        |   | _  | <u> </u> | -        |                 |              |    |   |             | <u> </u> |             |
| 7                         | 507 @  | 1, 1                                   | 5        |          |                | X.                                     |           | <b>L</b>                              |          | /        | 71     | 952      | X        |   | _  | -        |          |                 |              |    |   |             |          |             |
|                           | 1777   |  | \$       |          |                | . `                                    |           | · .                                   |          | メ        | ۲.     | 19001    | <u>\</u> |   |  |          |          |                 |              |    |   | _           | -        |             |
| 77                        | 57.7 @   | e Ct                                   | 5        |          |                | ×                                      |           |                                       | <u> </u> | ×        | 1,     | 1 inch   | 1        |   |  |          |          |                 |              |    |   |             |          |             |
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PLEASE NOTE: Labify and Damages. Cardinal's hability and dent's evolutive formaty'cl any clean around which is been controlled to the cardinal based to contact that be limited to the cardinal based on the cardinal based on registrate and cardinal based on the cardinal based on registrate and cardinal based on the cardinal regardless of which the cardinal based on the cardinal regardless of whether each of the cardinal cardinal based on the cardinal regardless of whether each of the cardinal cardinal regardless of whether each of the cardinal cardinal regardless of whether each of the cardinal cardinal regardless of the cardinal regardless of

| REMARKS:   Yes   No   Add1Fax#; | 6/2021//HCS      |       |                              |                              |  |
|---------------------------------|------------------|-------|------------------------------|------------------------------|--|
| They have                       | Received By:     |       | Sample Condition CHECKED BY: | 5 Pres Pres                  |  |
| Joseph Joseph                   | Relinquished By: | Time: | Delivered By: (Circle One)   | Sampler - UPS - Bus - Other: |  |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-b476

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

ARDINAL LABORATORIES

# **APPENDIX III**

**C-141** *July* 2012

### Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.

District I 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

|  |   |   | Rel   | ease Notifi   | catio  | n and Co  | orrective A   | ction  |                                 |  |                                 |                                   |  |  |
|--|---|---|---|---|--|---|---|--|---------------------------------|--|---------------------------------|-----------------------------------|--|--|
|  |   |   |   |   |  | OPERATOR   Initial Report   I                     |   |  |                                 |  |                                 |                                   |  |  |
| Name of Co   | отралу  | COG OP  | IG LLC  |   | OPERATOR Initial Report Final Report Contact Pat Ellis |   |   |  |                                 |  |                                 |                                   |  |  |
| Address  |   | Texas, Suite  | 100, M  | idland, TX 7970   | )1   | Telephone 1                                       |   | 230-0077                                       |                                 |  |                                 |                                   |  |  |
| Facility Na  | me  | Big   | George  |   |  | Facility Type Tank Battery                        |   |  |                                 |  |                                 |                                   |  |  |
| Surface Ow   | ner State   |   |   | Mineral   | Owner  |   |   | L  | ease ì                          | No. (API#                                  | 30-01                           | 5-28759                           |  |  |
|  |   |   |   | LOC   | ATIO   | N OF RE   | LEASE   |  |                                 |  |                                 |                                   |  |  |
| Unit Letter<br>J   | Section<br>12   | Township<br>17S   | Range<br>28E                                    | Feet from the   | North/South Line Feet from the East/West Line County   |   |   |  |                                 |  | Eddy                            |                                   |  |  |
|  |   | <u> </u>  | <u> </u>  | Latitude 32   |  | _   | ide 104 07.595  |  |                                 |  |                                 |                                   |  |  |
| NATURE OF RELEASE  Type of Release Produced water Volume of Release S0bbls Volume Recovered 45bbls |   |   |   |   |  |   |   |  |                                 |  |                                 | · ·····                           |  |  |
| Source of Re   |   |   |   |   |  |   | lour of Occurrence  |  |                                 | Hour of Dis                                |                                 |                                   |  |  |
|  | <del></del>   |   |   |   |  | 07/27/2011  |   | 07/  | 27/201                          | 1 10:00 a                                  | .m.                             |                                   |  |  |
| Was Immedia  | até Notice (  |   | Yes   | No □ Not R  | equired  | If YES, To  | Whom?   | Mike Bratch                                    | her - O                         | CD   |                                 |                                   |  |  |
| By Whom?   | Josh R  | usso  |   |   |  | Date and H  | lour 07/28/2011   | 9:35 a.m                                       |                                 |  |                                 |                                   |  |  |
| Was a Water  | course Read   |   | No  |   | If YES, Volume Impacting the Watercourse.              |   |   |  |                                 |  |                                 |                                   |  |  |
| If a Watercou  | rse was Im  | pacted, Descri  | be Fully.                                       | <u> </u>  |  |   |   |  |                                 |  |                                 | <u>.</u>                          |  |  |
| Describe Cau   | se of Proble  | em and Reme   | tial Action                                     | Taken.*   |  |   |   |  |                                 |  |                                 | <del></del>                       |  |  |
| A sudden rusi  | h of produc   | tion caused a   | ank overf                                       | low due to an ala   | rm syste   | em failure. Th                                    | ne alann has been   | repaired.                                      |                                 | •  |                                 | :                                 |  |  |
| Describe Area  | a Affected  | and Cleanup A   | ction Tal                                       | en.*  |  |   |   |  |                                 |  |                                 |                                   |  |  |
| truck. The sp  | oill area mea<br>uple the spil                            | sure roughly:   | 30' x 30'<br>Ielineate a                        | inside the facility   | walls.   | All free fluid l                                  | tate Tank Battery.<br>has been picked u<br>ease and we will p   | p and contai                                   | minate                          | d grave) has                               | been re                         | emoveď.                           |  |  |
| regulations all<br>public health should their o  | l operators:<br>or the envir<br>perations b<br>ment. In a | are required to<br>onment. The<br>ave failed to a<br>ddition, NMO | report an<br>acceptanc<br>dequately<br>CD accep | d/or file certain r<br>e of a C-141 repo<br>investigate and r | clease n<br>on by the<br>emediate                      | otifications and<br>e NMOCD mu<br>e contamination | knowledge and used perform correct<br>arked as "Final Re<br>on that pose a three<br>the operator of r | tive actions<br>eport" does t<br>eat to ground | for rela<br>not reli<br>I water | eases which<br>eve the ope<br>, surface wa | may en<br>rator of<br>ater, hur | danger<br>Tiability<br>man health |  |  |
|  |   | _ ν   | 7   |   | ,  | OIL CONSERVATION DIVISION                         |   |  |                                 |  |                                 |                                   |  |  |
| Signature:   | 10  | ~ /   | / ~   | 5   |  |   |   |  |                                 |  |                                 |                                   |  |  |
| Printed Name   |   | Josh  | Russo   |   |  | Approved by I                                     | District Superviso  | or:  |                                 |  |                                 |                                   |  |  |
| Title:   |   | HSE Co  | ordinator                                       |   |  | Approval Date                                     | <b>5</b> :  | Expir  | ation l                         | Date:                                      |                                 |                                   |  |  |
| E-mail Addres  | SS:   | jrusso@concl  | ioresource                                      | es.com  | (  | Conditions of Approval:                           |   |  |                                 |  |                                 |                                   |  |  |
| Date: 08/0   | 2/2011  | Phor  | ne: 43  | 2-212-2399  |  |   |   |  |                                 |  |                                 |                                   |  |  |

Recgived by OCD: 6/18/2024 3:29:38 PM

1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Antesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztee, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 63 of 367
Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action

|                                      |   |                                 | 1/61                  | ease Mount                               | auo       |   |                     | CHOI             | <b>'</b>  |                |                    |              |  |
|--------------------------------------|---|---------------------------------|-----------------------|--|-----------|---|---------------------|------------------|---|----------------|--------------------|--------------|--|
|                                      |   |                                 |                       |  |           | OPERA'  |                     |                  | Initi   | al Report      | $\square$          | Final Repor  |  |
| Name of Co                           |   | COG Opera                       |                       |  |           | Contact   | Pat Ellis           | 2000             |   |                |                    |              |  |
| Address Facility Nar                 |   | xas, Suite IC<br>George State   |                       | nd, TX 79701                             |           | Telephone l   |                     |                  |   |                |                    |              |  |
| Pacifity Ivan                        | ne big                                      | George State                    | Tank Da               | ittery                                   | <u> </u>  | гасину гур  | oe Tank Bat         | tery             |   |                |                    |              |  |
| Surface Ow                           | mer Stat                                    | е                               | Mineral O             | wner                                     |           |   |                     | Lease N          | lo. (API#)  | 30-01          | 5-28759            |              |  |
|                                      |   |                                 |                       | LOCA                                     | OIT       | N OF RE   | LEASE               |                  |   |                |                    |              |  |
| Unit Letter                          | Section                                     | Township                        | Range                 | Feet from the                            | North     | th/South Line   Feet from the   East/West Line   County |                     |                  |   |                |                    |              |  |
| ) 12 17S 28E                         |   |                                 |                       |  |           |   |                     |                  | Eddy County, NM                                       |                |                    |              |  |
|                                      | Latitude N 32 50.869 Longitude W 104 07.595 |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
|                                      | NATURE OF RELEASE                           |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
| Type of Rele                         | ase Produ                                   | aced water                      |                       |  |           | Volume of   |                     | Recovered        | 45 bbl  | S              |                    |              |  |
| Source of Re                         | lease Wa                                    | ter tank                        |                       |  |           | Date and H<br>07/27/2011                                | lour of Occurrence  | :e               | Date and Hour of Discovery<br>07/27/2011 @ 10:00 a.m. |                |                    |              |  |
| Was Immedia                          | ate Notice C                                | Given?                          |                       |  |           | If YES, To  |                     |                  | 01/2//201   | 1 (0) 10,00 a  | . 111,             |              |  |
|                                      |   | $\boxtimes$                     | Yes 🗌                 | No 🔲 Not Re                              | quired    | Mike Brate  | ther-OCD            |                  |   |                |                    |              |  |
| By Whom?                             | Josh Russ                                   |                                 |                       |  |           | Date and H  | lour 07/28/201      | 1 @ 9:3:         | 5 a.m.  |                |                    |              |  |
| Was a Water                          | course Reac                                 |                                 | Yes 🏻                 | No                                       |           | If YES, Volume Impacting the Watercourse.               |                     |                  |   |                |                    |              |  |
| If a Watercou                        | rce was Im                                  |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
| II II WAIGICOO                       | itse was iiiij                              | pacicu, Descri                  | oc runy.              |  |           |   |                     |                  |   |                |                    |              |  |
| 1                                    |   |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
|                                      |   |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
| Describe Cau                         | se of Proble                                | m and Remed                     | lial Action           | Taken.*                                  | <u> </u>  |   | ·                   |                  |   | ····           | <del></del>        |              |  |
| 0 000 d d a = 100 al                 | h a6 madaa                                  |                                 | le avent              | low due to an alan                       |           | um failura. Th  | so alama han baan   |                  | I Enga ster   | dina fluida    |                    | consumed the |  |
| vacuum truck                         |   | non caused a t                  | апк очет              | low due to an alan                       | ın syste  | an ianue. To  | ic alami has occil  | терапес          | J. F1 <del>00-</del> St⊠                              | iding nulus    | were re            | covered via  |  |
| Describe Area                        | a Affected a                                | nd Cleanup A                    | ction Tak             | en.*                                     |           | <u></u>   |                     |                  |   |                |                    |              |  |
| Initial COLL                         | 16  |                                 | S                     | ). ! ! d - 45 - 6                        |           | .U. afika Dia   | C State T           | ul. Dama         |   | bla t          |                    | e kkla misk  |  |
| a vacuum truc                        | ors or water<br>ck. The spil                | were released<br>I area measuri | rrom me<br>ed approxi | tank inside the factimately 30° x 30° i  | inside t  | the facility wa   | lls. All free fluid | was pic          | ry.   we we<br>ked up and                             | the impacte    | over 4<br>d soil t | as been      |  |
| removed and                          | disposed at                                 | a NMOCD-ap                      | proved fa             | cility. Remediation                      | on was    | completed in  | accordance with     | a NMO            | CD approve  | d remediation  | n plan             | . A clay     |  |
| liner was insta                      | alled and the                               | e site was hacl                 | kfilled.              |  |           |   |                     |                  |   |                |                    |              |  |
| I hereby certif                      | fy that the ir                              | formation giv                   | en above              | is true and comple                       | ete to ti | he best of my   | knowledge and u     | nderstan         | d that purst  | uant to NMC    | CD nı              | les and      |  |
| regulations all                      | l operators a                               | are required to                 | report an             | d/or file certain rei                    | lease n   | otifications an   | id perform correct  | tive acti        | ons for rele  | ases which r   | nay en             | danger       |  |
| public health of                     | or the environ                              | onment. The                     | acceptance            | e of a C-141 repor<br>investigate and re | t by the  | e NMOCD ma  | arked as "Final Re  | eport" de        | oes not relie   | eve the opera  | itor of<br>or hun  | liability    |  |
| or the environ                       | ment. In ac                                 | ive ianeu to ac<br>idition, NMO | CD accept             | ance of a C-141 re                       | eport de  | oes not relieve   | the operator of r   | esponsil         | nility for co   | mpliance wat   | th any             | other        |  |
| federal, state,                      |   |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |
|                                      |   | 7                               |                       | <b>7</b>                                 |           |   | OIL CONS            | SERV.            | ATION I   | <u>DIVISIO</u> | Й                  |              |  |
| Signature:                           |   |                                 |                       |  | _         |   |                     |                  |   |                |                    |              |  |
| oigiatare.                           | /   |                                 | (                     | $\longrightarrow$                        |           | Approved by District Supervisor:                        |                     |                  |   |                |                    |              |  |
| Printed Name:                        | . Jøsh Ru                                   | sso                             |                       |  |           |   |                     | <del>-</del>     |   |                |                    |              |  |
| Title: HSE                           | Coordinator                                 | •<br>                           |                       |  |           | Approval Date   | <u> </u>            | Expiration Date: |   |                |                    |              |  |
| E-mail Addres                        | ss. juisco                                  | @conchoresou                    | IFCES COM             |  |           | Conditions of   | Approval:           |                  |   |                | _                  |              |  |
|                                      |   |                                 |                       |  | ╣,        |   | - ipprovan          |                  |   | Attached       | L                  |              |  |
| Date: 07-26-30/2 Phone: 432-212-2399 |   |                                 |                       |  |           |   |                     |                  |   |                |                    |              |  |

Form C-141

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 of form side of form

### Release Notification and Corrective Action

|   |  |   | 1101   | case House  | atio                             | n and O   | MICCHIC A  | CUUI                              | •  |   |                              |                                    |  |
|---|--|---|--|---|----------------------------------|---|--|-----------------------------------|--|---|------------------------------|------------------------------------|--|
|   |  |   |  |   |                                  | OPERA'  | <b>TOR</b>   | al Report                         |  | Final Repor                             |                              |                                    |  |
| Name of Co  | mpany  | COG OP  | ERATIN   | IG LLC  | ĺ                                | Contact Pat Ellis   |  |                                   |  |   |                              |                                    |  |
| Address   |  | Texas, Suite  | 100, Mi  | idland, TX 7970   | 1                                | Telephone No. 432-230-0077                                |  |                                   |  |   |                              |                                    |  |
| Facility Nat  | ne .   | Big George !  | State Tan  | ik Battery  |                                  | Facility Type Tank Battery                                |  |                                   |  |   |                              |                                    |  |
| Surface Ow  | ner Stat   |   |  | Mineral C   | humer                            | Lease No. (API#) 30-015-26340                             |  |                                   |  |   |                              |                                    |  |
| our mee on  | nei sui  |   | ··.  | 141merar C  | /WIIG                            |   |  | ·                                 |  | 10. (111 111)                           | <u> </u>                     | 3-203-0                            |  |
|   |  |   |  | LOCA  | (OITA                            | N OF RE   | LEASE  |                                   |  |   |                              |                                    |  |
| Unit Letter<br>J  | Section<br>12  | Township<br>17S   | Range<br>28E                                     | Feet from the   | North                            | North/South Line Feet from the East/West Line County Eddy |  |                                   |  |   | Ēddy                         |                                    |  |
|   |  |   |  | Latitude 32 5   |                                  | •   | ide 104 07.600   |                                   |  |   |                              |                                    |  |
| <u> </u>  |  |   | _  | <u>NAT</u>  | URE                              | OF REL  |  | -                                 |  |   |                              |                                    |  |
| Type of Rele  |  |   | auga sida  | of water pump   |                                  | Volume of Release 8bbls   Volume Recovered 7b             |  |                                   |  |   |                              |                                    |  |
| Source of Ke  | 1025C 74 II  | ippie on disch  | arge side  | or water pump   |                                  | 03/12/2012  |  | ا ا                               |  | 2 6:30 a.m                              |                              |                                    |  |
| Was Immedia   | ate Notice C   | iven?   |  |   |                                  | If YES, To  |  |                                   |  | <u> </u>                                | <u></u>                      |                                    |  |
|   |  |   | Yes 🗵  | No 🛛 Not Re   | quired                           |   |  |                                   |  |   |                              |                                    |  |
| By Whom?  | -  |   |  |   |                                  | Date and Hour   |  |                                   |  |   |                              |                                    |  |
| Was a Water   | ourse Reac   |   |  |   |                                  | If YES, Volume Impacting the Watercourse.                 |  |                                   |  |   |                              |                                    |  |
|   |  |   | Yes 🛚  | Νο  |                                  |   |  |                                   |  |   |                              |                                    |  |
| If a Watercou   | rse was Imp  | oacted, Descri  | be Fully.*                                       |   |                                  |   |  |                                   |  |   |                              | -                                  |  |
| Describe Cau  | se of Proble   | m and Remed   | lial Action                                      | Taken.*   |                                  |   |  |                                   |  |   |                              |                                    |  |
| The ¼" nipple   | e on the disc  | charge side of  | the water  | pump fuiled do to   | vibrati                          | ion and corres  | ion. The ¼" nip  | ole has l                         | been replac                                  | ed.                                     |                              |                                    |  |
| Describe Are  | Affected a   | nd Cleanup A  | ction Tak  | en.*  |                                  |   |  |                                   |  | <del></del>                             |                              |                                    |  |
| Initially 8bbls of produced water were released from the water pump and we were able to recover 7bbls with a vacuum truck. The spill area measured roughly 10' x 60' inside the tank battery with an area of overspray measuring roughly 30' x 50' on location outside of the tank battery. All free fluids have been picked up and the overspray area has been scraped with a backhoe. This spill area is identical to the spill from 07/27/2011. BBC will handle the remediation and closure of this release as well as the 07/27/2011 spill event. |  |   |  |   |                                  |   |  |                                   |  |   |                              |                                    |  |
| regulations all<br>public health<br>should their o  | operators a<br>or the environal<br>perations ha<br>ment. In ac | re required to<br>connent. The sive failed to a<br>ddition, NMO | report an<br>acceptanc<br>dequately<br>CD accept | is true and completed of file centain re<br>e of a C-141 report<br>investigate and re<br>tance of a C-141 n | lease no<br>nt by the<br>mediate | otifications an<br>e NMOCD ma<br>e contaminatio           | d perform correct<br>arked as "Final Re<br>on that pose a thre | ive acti<br>port" de<br>at to gre | ons for rele<br>oes not relic<br>ound water, | ases which reve the open<br>surface wat | may en<br>ator of<br>ter, hu | idanger<br>Tiability<br>man health |  |
|   |  | 7   |  | 7   |                                  | OIL CONSERVATION DIVISION                                 |  |                                   |  |   |                              |                                    |  |
| Signature:  |  | /_  | T /  | . —   | -                                |   |  |                                   |  |   |                              |                                    |  |
|   |  | Josh I  |  |   | 一,                               | Approved by District Supervisor:                          |  |                                   |  |   |                              |                                    |  |
| Printed Name  | ·  | 1020 1  | vusso  |   |                                  |   |  |                                   |  |   |                              |                                    |  |
| Title:  |  | HSE Co  | ordinator  | <u></u>   |                                  | Approval Date   | <u>:</u>   | E                                 | xpiration [                                  | Date:                                   |                              |                                    |  |
| E-mail Addres   | Ss:  | irusso@conch  | oresource  | es.com  |                                  | Conditions of Approval:                                   |  |                                   |  |   |                              |                                    |  |
| Date: 03/2  | te: 03/26/2012 Phone: 432-212-2399                             |   |  |   |                                  |   |  |                                   |  |   |                              |                                    |  |

<sup>\*</sup> Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

|   |  |  | Rele                                      | ease Notific   | catio                             | n and Co  | orrective A  | ction                                  |   |   |  |                             |  |
|---|--|--|---|--|-----------------------------------|---|--|--|---|---|--|-----------------------------|--|
| _   |  |  |   |  |                                   | OPERA'  | TOR  |  | ☐ Initial Report ☑ Final Repo             |   |  |                             |  |
| Name of Co  |  | COG Operat   |   |  |                                   | Contact Pat Ellis                                   |  |  |   |   |  |                             |  |
|   |  |  |   | nd, TX 79701   |                                   | Telephone l   |  |  |   |   | _                                      |                             |  |
| Facility Nat  | ne Big   | George State   | lank Ba                                   | ittery   |                                   | Facility Type Tank Battery                          |  |  |   |   |  |                             |  |
| Surface Ow  | mer Stat   | e  |   | Mineral C  | Owner                             | er Lease No. (API#) 30-015-26340                    |  |  |   |   |  |                             |  |
|   |  |  |   | LOCA   | ATIO                              | N OF REI  | LEASE  |  |   |   |  |                             |  |
| Unit Letter   | Section  | Township   | Range                                     | Feet from the  | North                             | /South Line   | Feet from the  | East/W                                 | est Line                                  | Соилту  |  |                             |  |
| ,   | 12   | 175  | 28E                                       |  |                                   |   |  |  |   | Eddy Coun   | ity. NM                                |                             |  |
|   |  |  | ſ   | Latitude N 32 5  |                                   | Longitu<br>OF RELI                                  | de <u>W 104 07.60</u>  | 00                                     |   |   | ·                                      |                             |  |
| Type of Rele  | ase Produ  | iced water   |   | 11/1   | UKE                               | Volume of   |  |  | Volume F                                  | lecovered   | 7 bbls                                 |                             |  |
| Source of Re  | lease ¼"   | nipple on disc   | harge side                                | of water pump  |                                   | Date and H<br>03/12/2012                            | lour of Occurrence   | e                                      | Date and                                  | Hour of Disc<br>2@ 6:30 a.π                       | overy                                  |                             |  |
| Was Immedia   | ne Notice C  |  | Yes 🗵                                     | No 🖾 Not Ro  | equired                           | If YES, To  | Whom?  |  |   |   |  |                             |  |
| By Whom?  |  |  |   |  |                                   | Date and Hour                                       |  |  |   |   |  |                             |  |
| Was a Water   | course Reac  |  | Yes 🖾                                     | No   |                                   | If YES, Volume Impacting the Watercourse.           |  |  |   |   |  |                             |  |
|   |  | em and Remed   |   |  | to vibra                          | tion and corro                                      | sion. The ¼" nìp   | ple has b                              | een replac                                | ed.   |  |                             |  |
| Describe Area   | Affected a   | nd Cleanup A   | ction Tak                                 | en,*   |                                   |   | •  |  | <u> </u>                                  |   |  |                             |  |
| roughly 10' x<br>were picked u<br>allow the appr<br>site backfilled | 60' inside t<br>p and the over<br>roved remed                | the tank batter<br>verspray area<br>diation plan fo                    | y with an<br>was scrape<br>or the spill   | area of overspray<br>ed with a backhoo<br>of 07/27/2011 to       | measure. The shandle              | ring roughly 3<br>spill area was<br>this spill as w | to recover 7 bbls 0' x 50' on location identical to the spinell. The impacted                            | on outsid<br>ill from (<br>  soil was  | e of the ta<br>17/27/201<br>removed       | nk battery. 7<br>f. The NMO<br>, a clay liner     | All free li<br>ICD agree<br>installed, | quids<br>ed to<br>, and the |  |
| regulations all<br>public health of<br>should their of              | operators a<br>or the environ<br>perations ha<br>ment. In ad | ire required to<br>onment. The a<br>ive failed to act<br>ldition, NMOC | report and acceptance dequately CD accept | d/or file certain re<br>e of a C-141 repor<br>investigate and re | elease no<br>n by the<br>emediate | otifications an<br>NMOCD ma<br>contamination        | knowledge and un<br>d perform correct<br>trked as "Final Re<br>on that pose a thre<br>the operator of re | ive action<br>port" does<br>at to grow | ns for rele<br>es not relic<br>and water, | ases which never<br>eve the opera<br>surface wate | hay endar<br>tor of lial<br>er, human  | nger<br>bility<br>n health  |  |
| Signature:  | //   | 7 ×  | 7   |  |                                   |   | OIL CONS   | <u>ERVA</u>                            | TION                                      | DIVISIO   | Ŋ                                      |                             |  |
| Printed Name:   | Jash Ru  | sso  | $\underline{\underline{\hspace{1cm}}}$    |  |                                   | Approved by (                                       | District Supervisor  | r:<br>                                 |   |   |  |                             |  |
| Title: HSE  | Coordinator  |  |   |  |                                   | Approval Date                                       | ::   | Ex                                     | piration D                                | Pate:   |  |                             |  |
| E-mail Addres   |  | @conchoresou   |   |  |                                   | Conditions of Approval:                             |  |  |   | Attached  |  | :                           |  |
| Date: 07/3  | 26/2012  | Ph   | one: 43                                   | 2-212-2399   |                                   |   |  |  |   |   |  | ]                           |  |

\* Attach Additional Sheets If Necessary

### **Kathy Purvis**

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Thursday, August 16, 2012 10:42 AM

To: Kathy Purvis

**Cc:** cbrunson@bbcinternational.com

**Subject:** RE: Final C-141s for COG, Big George State Tank Battery

Form C-141's received.

Thank you,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857

F: 575-748-9720

From: Kathy Purvis [mailto:kathy@bbcinternational.com]

Sent: Thursday, August 16, 2012 10:22 AM

To: Bratcher, Mike, EMNRD

Cc: cbrunson@bbcinternational.com

Subject: Final C-141s for COG, Big George State Tank Battery

Importance: High

The final C-141s for the two leaks at the Big George State Tank Battery are attached. Please respond via email upon receipt.

Kathy Purvis BBC International, Inc. 1324 W. Marland Hobbs, NM 88240 Phone: (575) 397-6388

Fax: (575) 397-0397
Email: kathy@bbcinternational.com

# **APPENDIX IV**

Pictures of Pit Remnants
September 2011

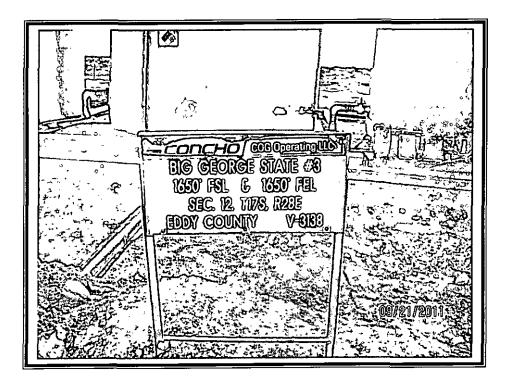
Big George State #3 Battery (07/27/2011 and 03/12/2012)

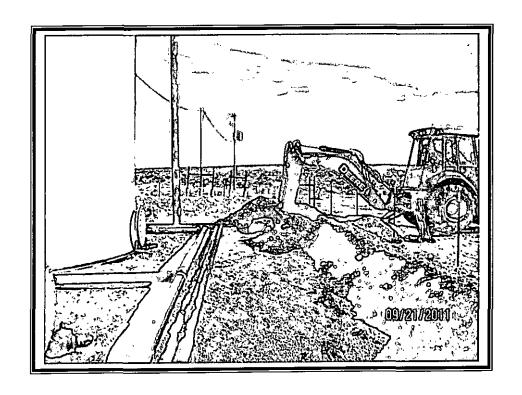
Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

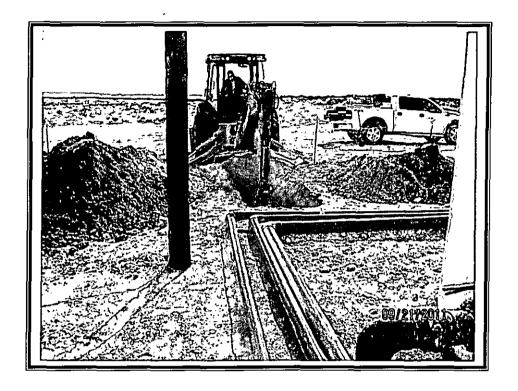
Prepared by: BBC International, Inc.

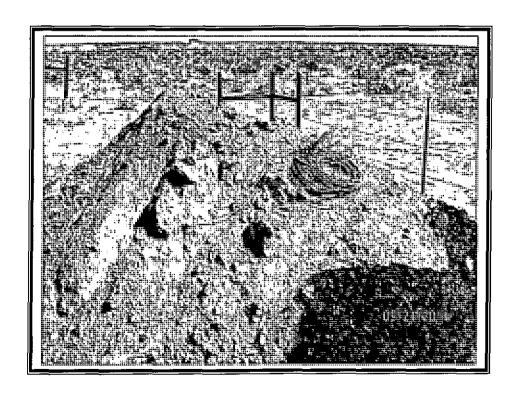










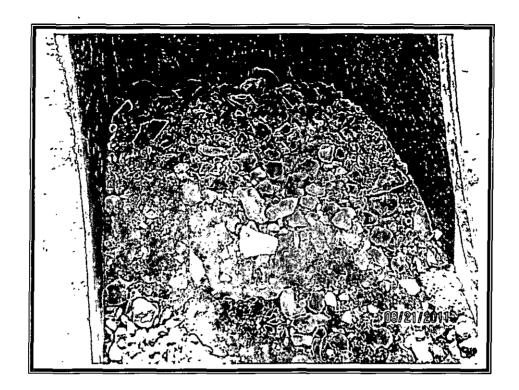


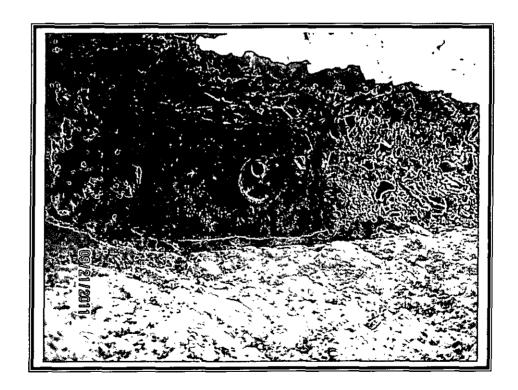












## APPENDIX V

Pictures of Remediation Activities

July 2012

Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

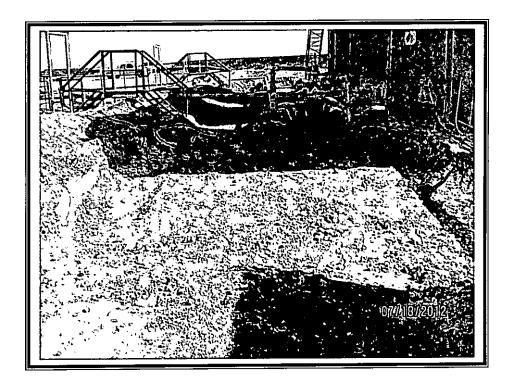
Prepared by: BBC International, Inc.

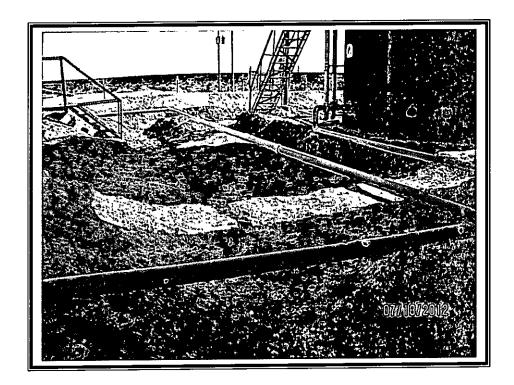




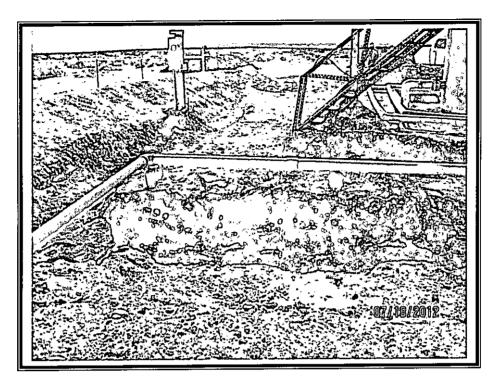


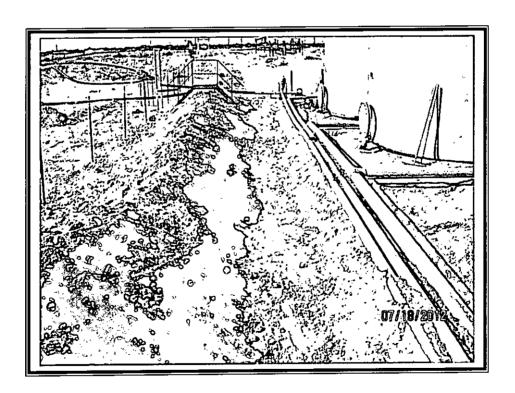




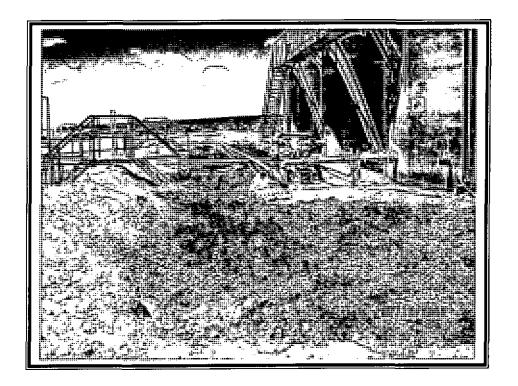


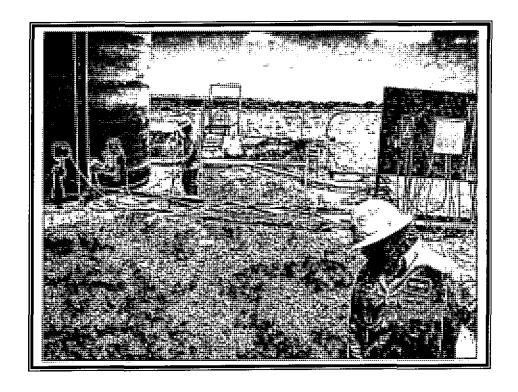




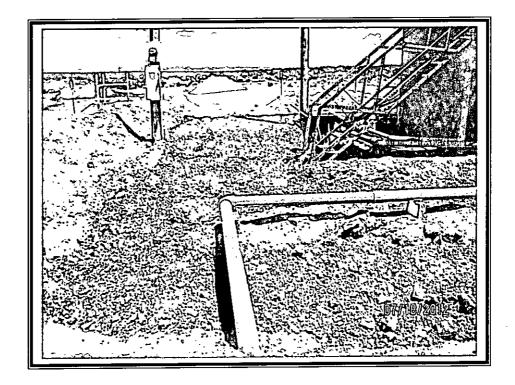


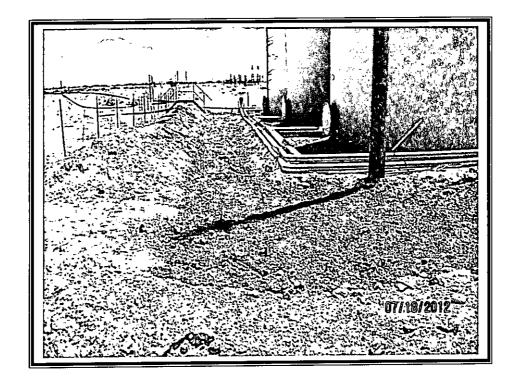




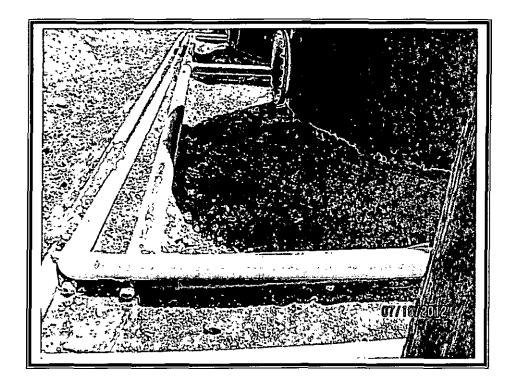


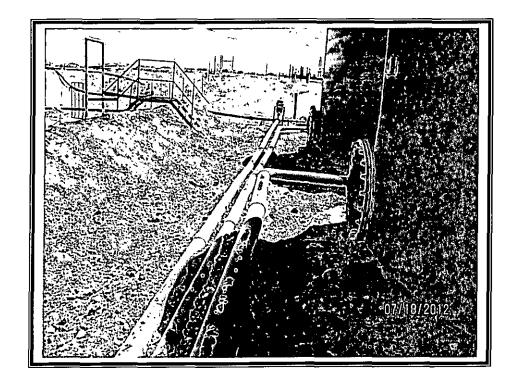




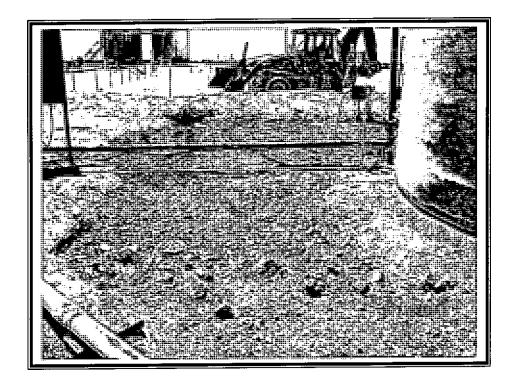


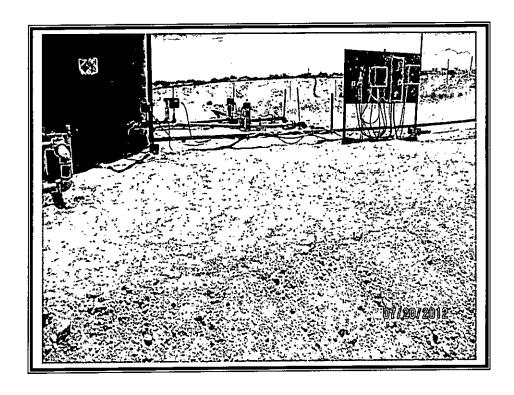




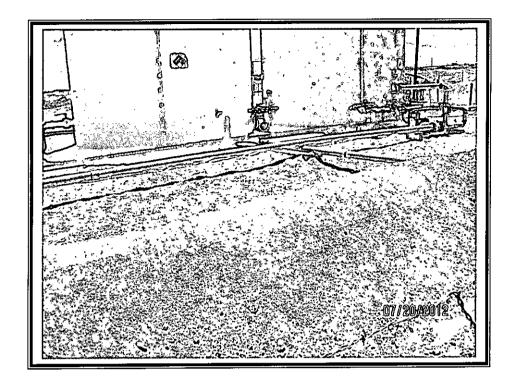


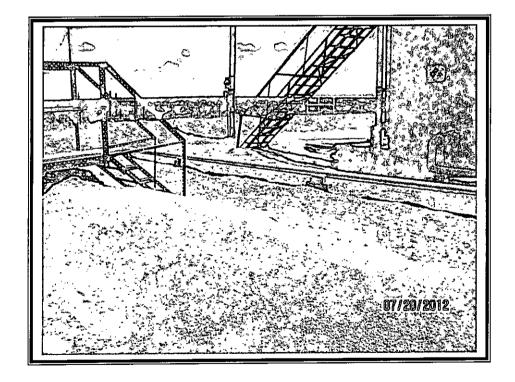




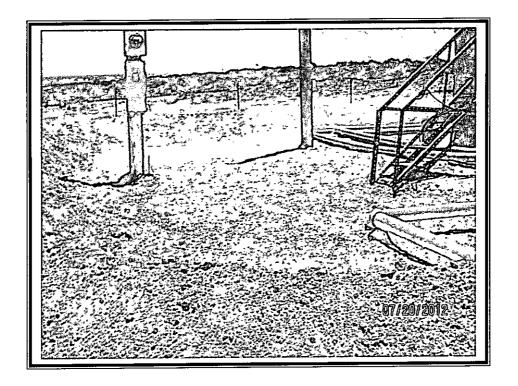


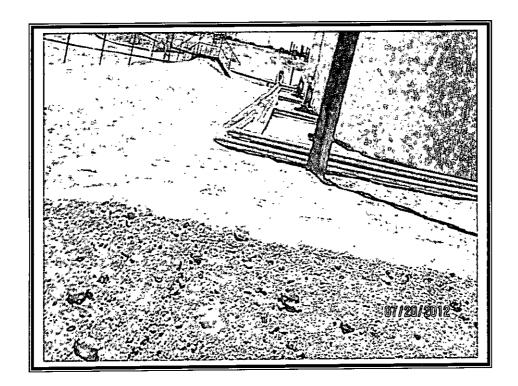




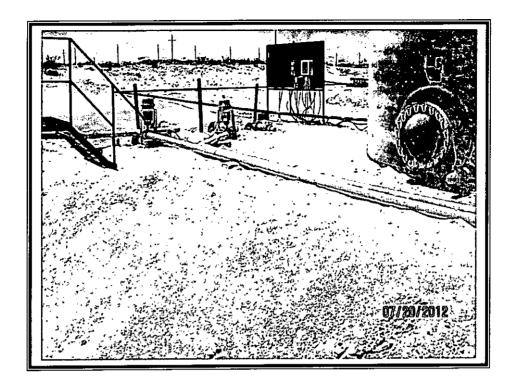












# **APPENDIX C Regulatory Correspondence**

Amanda,

As indicated in previous communication, the following is a listing of District II Remediation Permits (2-RP) that are being deferred by the Oil Conservation Division (OCD) based on available information. Generally speaking, these sites will be indicated as deferred until Plugging & Abandonment (P&A) activities.

If there are specific questions please do not hesitate to contact the OCD.

Thank you for your time and effort.

## **DEFERRED RP's**

1025, 1116, 1077, 1002, 1084, 1095, 854, 1079, and 1164.

Sincerely,

**Bradford Billings** 

## Poole, Nicholas

From: McMillan, Michael A. <mmcmillan@slo.state.nm.us>

Sent: Friday, December 2, 2022 12:43 PM

To: Sarah Chapman Crosby, Faith

Subject: Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) Update on

battery 20221202

### Sarah:

Has Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) began construction of the new battery.

The NMSLO concern is that there are two spills at this SW Easement-possibly where the new battery is being located.

The NMSLO wants to make sure that if in fact the spills were located at the old battery, the spills get remediated before the battery is constructed.

It is confusing when you look at the OCD website to determine the status of the two open spills. The first one I will bring up is NMBL1122858011/2RP854

If you pull up nMBL1122858011 on the OCD incident Page it shows it as Closure Not Approved. When you go to 2RP854 on the OCD Administrative Orders, the OCD granted deferral until the well is P&A.

The second one I will bring up is nMBL1209641725/2RP1079

If you pull up MBL1209641725 on the OCD incident Page it shows it as Closure Not Approved. When you go to 1079 the OCD Administrative Orders, the OCD granted deferral until the well is P&A.

We had e-mailed about this before, but I was unsure of how Spur was proceeding.

Mike

Michael McMillan
Petroleum Specialist
Oil, Gas, and Minerals Division
Water Bureau
505-827-5788
mmcmillan@slo.state.nm.us

\*The New Mexico State Land Office will be closed from 12/22/2022 – 12/28/2022. The office will reopen on Thursday 12/29/2022. Happy Holidays!

**CAUTION External Email** - Don't click on contents unless you know they are safe

## **Poole, Nicholas**

From: McMillan, Michael A. <mmcmillan@slo.state.nm.us>

Sent: Friday, December 2, 2022 1:42 PM

To: Sarah Chapman Crosby, Faith

**Subject:** Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) Update on

battery 20221202 Part II

#### Sarah:

Spur Energy Partners LLC must contact the OCD Environmental Bureau to determine why the closures for the two spills in the first e-mail sent on December 2 2022 have not been approved.

Spur Energy Partners LLC has until December 16, 2022 to notify the NMSLO why the closures have not been approved by the NMSLO.

If there is no response from Spur Energy Partners LLC on the closure issues by December 15, 2022, the SW Easement will not be renewed.

Next, after Faith went through the e-mails between Spur Energy Partners and the NMSLO, and then looked at the OCD Incident Reports, it appears that the new battery is going to be located where spills are located.

The NMSLO absolutely does not want the new battery to be located where the spills are -f the spills have not been properly remediated.

**Thanks** 

Mike

Michael McMillan
Petroleum Specialist
Oil, Gas, and Minerals Division
Water Bureau
505-827-5788
mmcmillan@slo.state.nm.us

\*The New Mexico State Land Office will be closed from 12/22/2022 – 12/28/2022. The office will reopen on Thursday 12/29/2022. Happy Holidays!

CAUTION External Email - Don't click on contents unless you know they are safe

From: Hall, Brittany, EMNRD
To: Llull, Christian
Cc: Poole, Nicholas

Subject: RE: [EXTERNAL] Extension Request 2 - nMLB1122858011 (Big George State #3 Battery) AND nMLB1209641725

(Big George State #3 Battery)

**Date:** Thursday, March 21, 2024 4:23:06 PM

Attachments: <u>image001.png</u> <u>image002.png</u>

image002.png image003.png image004.png image005.png

**CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments.

## Christian,

The extension requests for nMLB1122858011 (Big George State #3 Battery) <u>AND</u> nMLB1209641725 (Big George State #3 Battery) are approved. The new due date for the two incidents is June 17, 2024. Please be advised that this will be the last extension request for the Site Characterization and Remediation Plans for the two above referenced incident numbers.

Please include a copy of this correspondence in the reports.

Thank you,

**Brittany Hall** • Environmental Specialist

Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at <a href="https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/">https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/</a> or <a href="https://www.emnrd.nm.gov/ocd/ocd-forms/">https://www.emnrd.nm.gov/ocd/ocd-forms/</a>.

From: Llull, Christian < Christian.Llull@tetratech.com>

Sent: Thursday, March 21, 2024 11:24 AM

**To:** Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> **Cc:** Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>

Subject: [EXTERNAL] Extension Request 2 - nMLB1122858011 (Big George State #3 Battery)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Ms. Hall,

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until June 17, 2024) to finalize negotiations for the Big George State #3 Battery Release site (**nMLB1122858011**).

The release occurred on July 27, 2011, and the initial C-141 Report Form was received by NMOCD on August 2, 2011. Assorted assessment activities have been conducted at this site. A Revised Work Plan was submitted describing the collected data.

The OCD rejected the proposed Work Plan and provided the following comments:

- The OCD spoke to a Spur representative and Spur stated that they will not be building in the vicinity of the release location. Per 19.15.29.12 (C)(2) The responsible party shall restore the impacted surface area of a release occurring on a developed well pad, central tank battery, drilling site, compressor site or other exploration, development, production or storage sites to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC. As the area of the release is no longer reasonably needed for production operations or for subsequent drilling operations, the site must meet the requirements of 19.15.29.12 NMAC and 19.15.29.13 NMAC.
- Horizontal delineation of BH-12 was not completed in the four cardinal directions as instructed in the previous rejection for this incident number, see application ID 191222. Horizontal delineation will need to be completed.
- Submit a complete report through the OCD Permitting website by 12/20/2023.

A 90-day extension for incident ID (nMLB1122858011) was submitted to the NMOCD on December 13, 2023. The Extension was approved on December 15, 2023, for a new due date of March 19, 2024.

ConocoPhillips has delineated the vicinity of BH-12, and has a 2024 Revised Remediation Work Plan Addendum in draft and review.

ConocoPhillips has coordinated with Spur Representatives regarding the Revised Work Plan Addendum and the proposed action, however, negotiations are ongoing regarding the final reclamation of the pad area.

Thus, the extension is required to allow time for official negotiations regarding the 2024 Revised Remediation Work Plan Addendum between COP and Spur.

Once all parties have agreed to a common resolution, the final Report will be submitted to the OCD. Please let me know if you have any questions or concerns.

Thank you in advance.

Christian

Christian Llull, P.G. | Program Manager

Mobile +1 (512) 565-0190 | christian.llull@tetratech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

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From: Braidy Moulder
To: Poole, Nicholas
Cc: Katherine Purvis

Subject: RE: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised Remediation Work Plan

Addendum

**Date:** Tuesday, June 11, 2024 4:33:05 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png image006.png

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Nicholas, I just received word that we will be moving a temporary h-pump onto the Big George pad in the next 2 weeks, and it will be in operation for the next 4 – 6 months. So, the remediation and reclamation will have to be put on hold.

Braidy Moulder EHS Manager Spur Energy Partners, LLC. 713-264-2517



From: Braidy Moulder <br/> <br/>bmoulder@spurenergy.com>

Sent: Monday, June 10, 2024 12:32 PM

To: Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>

Subject: RE: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised

Remediation Work Plan Addendum

Nicholas, this appears to be good.

Braidy Moulder EHS Manager Spur Energy Partners, LLC. 713-264-2517



**From:** Poole, Nicholas < <u>NICHOLAS.POOLE@tetratech.com</u>>

Sent: Wednesday, June 5, 2024 10:16 AM

**To:** Braidy Moulder < <u>bmoulder@spurenergy.com</u>>

Subject: FW: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised

Remediation Work Plan Addendum

Braidy,

Please see attached revised Release Characterization and Remediation Work Plan Addendums for the Big George State #3 coincident Releases (nMLB1209641725 & nMLB1122858011). The word document report are included along with figures.

With your approval and any incorporated comments, on behalf of COP, we will submit the two reports to the OCD.

Nicholas

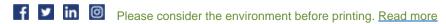
Nicholas Poole, GIT | Project Manager

Mobile +1 (512) 560-9064 | nicholas.poole@tetratech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

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## **APPENDIX D Site Characterization Data**

| 212C-MD-02933 <b>TETRA TECH</b>                         |   |                           |                                      | LOG OF BORING DTW    |                   |                            |                    | Page<br>1 of 1                 |             |  |  |  |  |  |                      |            |
|---|---|---------------------------|--------------------------------------|----------------------|-------------------|----------------------------|--------------------|--------------------------------|-------------|--|--|--|--|--|----------------------|------------|
| Project Na  | ame: Biç                                    | g George                  | Sta                                  | ate #3               | 3                 |                            |                    |                                | ·           |  |  |  |  |  |                      | <u> </u>   |
| Borehole LocationGPS Coordinate: 32.847981, -104.127026 |   |                           |                                      |                      |                   | Surface Elevation: 3714 ft |                    |                                |             |  |  |  |  |  |                      |            |
|   |   |                           |                                      | ole<br>eter (in.): 6 |                   | Date Started               | : 1/3/2023         | Date F                         | inished     | : 1/3/2023   |  |  |  |  |                      |            |
|   | D. (mo                                      | (mc                       | (%) A                                | (%) LN:              |                   |                            | )EX                |                                |             | While Drilling   |  |  | EL OBSERVA <sup>-</sup><br>Jpon Completion   |  | Ā DI                 | RY_ft      |
| DEPTH (ft) OPERATION TYPE                               | SAMPLE  THE CHLORIDE FIELD  SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%)                  | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | T LIQUID LIMIT             | PLASTICITY INDEX   | MINUS NO. 200 (%)              | GRAPHIC LOG |  | ATER   | IAL DESC   | RIPTION  |  | DЕРТН (ft)           | REMARKS    |
| 5   | Split Spoo                                  |                           |                                      | e Line               |                   | Dperarypes                 | PI stion:          | W                              |             | -SC- SANI fine to coarse grand -SP-SM- SC- SANI fine to coarse grand-special special s | ID: Dalarse grand ID: Re SAND: ained, viete grained ID: Re All Colors are grand ID: Re | der Pad Madense, dry, hite to pale fine grained hite to pale ed, silt-rich, hite to pale ed, silt-rich, hite to pale hed, with ca bwn, loose,  rk brown, lo ained, with  ddish brow  Light brow with fine grained hite grained | ad Material): We moist, with clay aterial): White to with fine grained brown, loose, do with caliche not brown, loose, do with caliche fragments dry, fine grained grained grained grained gravel  The dense, dry, very fained gravel  The dense, dry, very fained gravel  The dense dry, dense ded gravel to fine grained gravel  The dense dry, dense ded gravel to fine dense dense ded gravel to fine dense ded gravel to fine dense ded gravel to fine dense den | or pale ed sand or lry, very odules lry, very ed, with lery fine line to lee, dry, | 2<br>3<br>4<br>6<br> |            |
| Types:  | Shelt Shelt Shelt Samp Grab Samp            | oy                        | /ane S<br>Discre<br>Sampli<br>Test P | Shear<br>te<br>e     |                   | ypes                       | Mud<br>Rota<br>Con | ary<br>itinuou<br>ht Aug<br>sh |             | Air Rotary   |  |  | n is an estimate   | ed value fro   | om God               | ogle Earth |
| Logger:   | Colton Bic                                  | kerstaff                  |                                      |                      | [                 | Drillin                    | g Eqi              | uipme                          | ent: Air    | Rotary   | Driller:   | Scar   | borough Drilling   |  |                      |            |



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

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

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

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

**POD** Sub-Depth Depth Water **POD Number** Code basin County 64 16 4 Sec Tws Rng **Well Water Column Distance** 580495 RA 12307 POD1 4 2 2 14 17S 28E 3633981 1457 140 58

> Average Depth to Water: 58 feet

> > Minimum Depth: 58 feet

58 feet Maximum Depth:

**Record Count: 1** 

**UTMNAD83 Radius Search (in meters):** 

Radius: 2000 Easting (X): 581744.8 Northing (Y): 3634731.42

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

## OCD Potential Karst Map



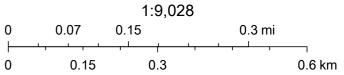
12/16/2022, 2:06:15 PM

Karst Occurrence Potential

High

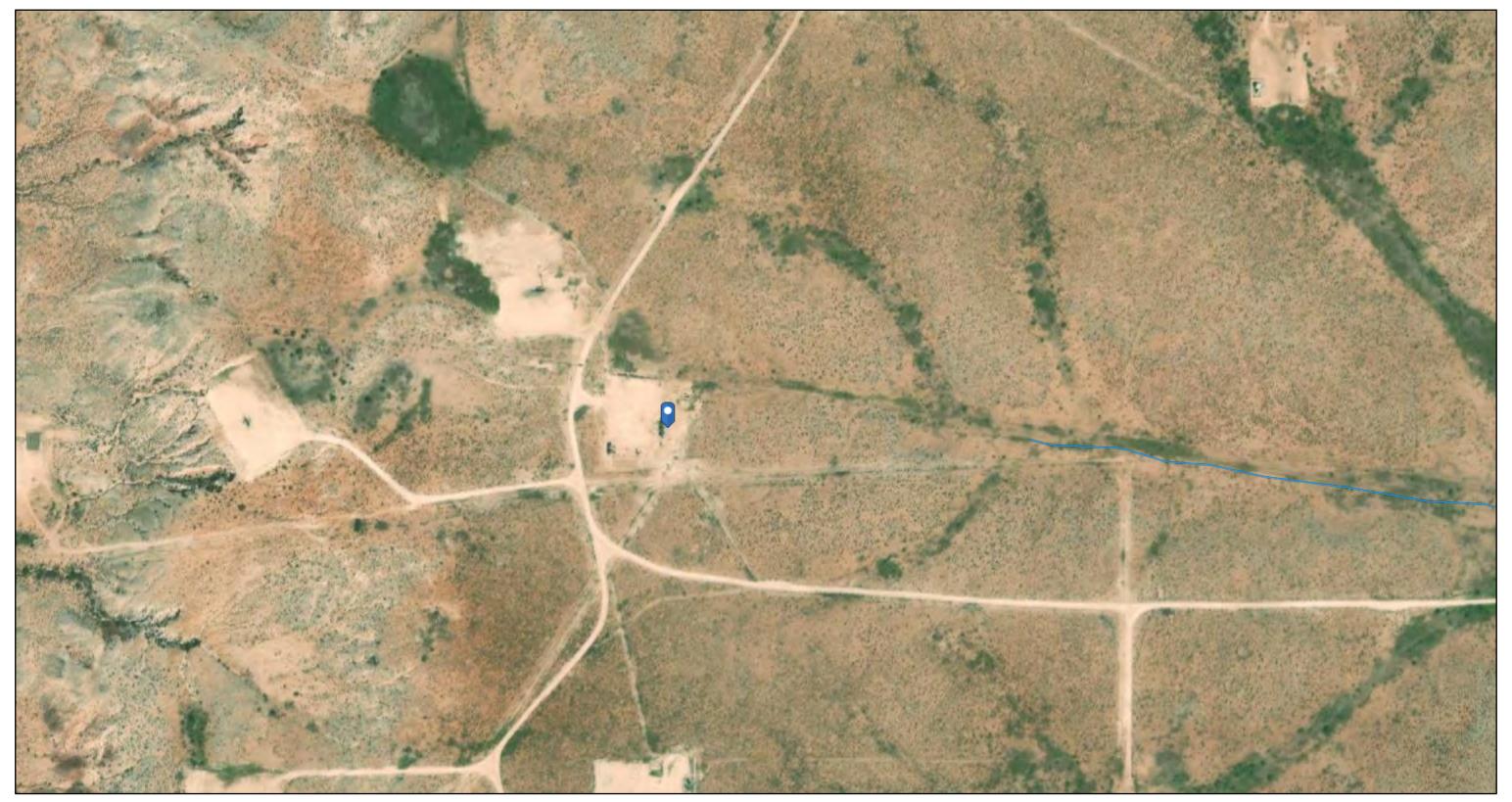
Medium

Low

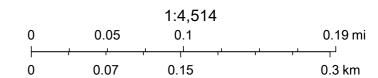


BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC,

## OCD Waterbodies Map



12/16/2022, 2:10:02 PM
OSE Streams



Esri, HERE, Garmin, iPC, Maxar, NM OSE

# **APPENDIX E Photographic Documentation**



| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02933 | DESCRIPTION | Adjacent Big George State #2 lease sign. | 1          |
|--|-------------|--|------------|
|  | SITE NAME   | ConocoPhillips Big George State #3       | 12/08/2022 |



| TETRA TECH, INC. | DESCRIPTION | View east/southeast. View of inactive production equipment located on the eastern edge of the lease pad. | 2          |
|------------------|-------------|--|------------|
| 212C-MD-02933    | SITE NAME   | ConocoPhillips Big George State #3   | 12/08/2022 |



| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02933 | DESCRIPTION | View Southwest. Corner of shared containment, view of active Big George State #2 tank battery, prior to decom. | 3          |
|--|-------------|--|------------|
|  | SITE NAME   | ConocoPhillips Big George State #3   | 12/08/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View southwest. View of former containment area after battery deconstruction. | 4        |
|------------------------------|-------------|---|----------|
| 212C-MD-02933                | SITE NAME   | ConocoPhillips Big George State #3  | 1/3/2023 |



| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02933 | DESCRIPTION | View south. View of former battery area. | 5        |
|--|-------------|--|----------|
|  | SITE NAME   | ConocoPhillips Big George State #3       | 1/3/2023 |



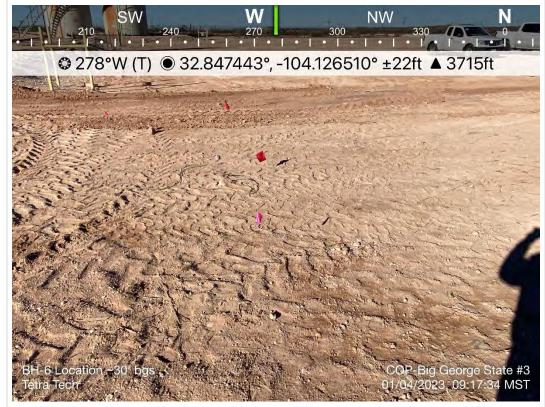
| TETRA TECH, INC.<br>PROJECT NO. | DESCRIPTION | View northeast. View of former battery area. | 6        |
|---------------------------------|-------------|--|----------|
| 212C-MD-02933                   | SITE NAME   | ConocoPhillips Big George State #3           | 1/3/2023 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-02933 | DESCRIPTION | View north. View of former battery area. | 7        |
|--|-------------|--|----------|
|  | SITE NAME   | ConocoPhillips Big George State #3       | 1/3/2023 |



| TETRA TECH, INC.<br>PROJECT NO. | DESCRIPTION | View east. View of former battery area post-berm removal. | 8        |
|---------------------------------|-------------|---|----------|
| 212C-MD-02933                   | SITE NAME   | ConocoPhillips Big George State #3                        | 1/4/2023 |



| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02933 | DESCRIPTION | View west. View of BH-6 Location.  | 9        |
|--|-------------|------------------------------------|----------|
|  | SITE NAME   | ConocoPhillips Big George State #3 | 1/4/2023 |



| TETRA TECH, INC.<br>PROJECT NO. | DESCRIPTION | View south. View of BH-21 Location. | 10       |
|---------------------------------|-------------|-------------------------------------|----------|
| 212C-MD-02933                   | SITE NAME   | ConocoPhillips Big George State #3  | 1/4/2023 |

## **APPENDIX F Laboratory Analytical Data**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 11, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/10/23 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 17 (0-1') (H230115-01)

| BTEX 8021B                           | mg/kg  |                 | Analyzed By: JH/ |              |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed         | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023       | ND           | 2.08 | 104        | 2.00          | 1.48  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023       | ND           | 2.08 | 104        | 2.00          | 0.314 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023       | ND           | 2.07 | 103        | 2.00          | 0.455 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023       | ND           | 6.30 | 105        | 6.00          | 1.33  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023       | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4                |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/kg  |                 | Analyzed By: AC  |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed         | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 4640   | 16.0            | 01/11/2023       | ND           | 400  | 100        | 400           | 3.92  |           |
| 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            | 01/10/2023       | ND           | 200  | 100        | 200           | 1.40  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023       | ND           | 209  | 105        | 200           | 0.105 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023       | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 97.4   | % 48.2-13       | 4                |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8                |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 17 (3-4') (H230115-02)

BTEX 8021B

| Analyte                              | Result        | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|---------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050        | 0.050           | 01/10/2023      | ND           | 2.08 | 104        | 2.00          | 1.48  |           |
| Toluene*                             | <0.050        | 0.050           | 01/10/2023      | ND           | 2.08 | 104        | 2.00          | 0.314 |           |
| Ethylbenzene*                        | <0.050        | 0.050           | 01/10/2023      | ND           | 2.07 | 103        | 2.00          | 0.455 |           |
| Total Xylenes*                       | <0.150        | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 1.33  |           |
| Total BTEX                           | <0.300        | 0.300           | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108 % 71.5-13 |                 | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/kg         |                 | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result        | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 3600          | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92  |           |
| 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            | 01/10/2023      | ND           | 200  | 100        | 200           | 1.40  |           |
| DRO >C10-C28*                        | <10.0         | 10.0            | 01/10/2023      | ND           | 209  | 105        | 200           | 0.105 |           |
| EXT DRO >C28-C36                     | <10.0         | 10.0            | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 94.4          | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 107           | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |               |                 |                 |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (6-7') (H230115-03)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.08 | 104        | 2.00          | 1.48  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.08 | 104        | 2.00          | 0.314 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.07 | 103        | 2.00          | 0.455 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 1.33  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 2680   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 200  | 100        | 200           | 1.40  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 209  | 105        | 200           | 0.105 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 97.7   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 109    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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Celeg D. Freene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (7-8') (H230115-04)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 1340   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 104    | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 117    | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (9-10') (H230115-05)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |         |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4               |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyzed By: AC |              |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 976    | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023      | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 96.4   | % 48.2-13       | 4               |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 107    | % 49.1-14       | 8               |              |      |            |               |         |           |
|                                      |        |                 |                 |              |      |            |               |         |           |

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (14-15') (H230115-06)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH     |      |            |               |         |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/10/2023      | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/10/2023      | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300  | 0.300           | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 127 %   | 6 71.5-13       | 4               |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg/     | kg              | Analyzed By: AC |              |      |            |               |         |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 384     | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023      | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/10/2023      | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 99.9    | % 48.2-13       | 4               |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 113 %   | 6 49.1-14       | 8               |              |      |            |               |         |           |

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 18 (0-1') (H230115-07)

BTEX 8021B

| DILX GOZID                           | ilig/  | , kg            | Andryzo    | u by. 511    |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 3680   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 99.5   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 113 9  | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (4-5') (H230115-08)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 3280   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 91.4   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 110    | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (7-8') (H230115-09)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 928    | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 200  | 100        | 200           | 1.40    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 209  | 105        | 200           | 0.105   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 109    | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 124    | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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Celeg D. Freene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (8-9') (H230115-10)

BTEX 8021B

|                                      | 9/     | 9               | 71.14.1, = 0 | ,            |      |            |               |         |           |
|--------------------------------------|--------|-----------------|--------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed     | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023   | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023   | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023   | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023   | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023   | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 127    | % 71.5-13       | 4            |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze      | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed     | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 368    | 16.0            | 01/11/2023   | ND           | 400  | 100        | 400           | 3.92    |           |
| TPH 8015M                            | mg,    | /kg             | Analyze      | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed     | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023   | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023   | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023   | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 107    | % 48.2-13       | 4            |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8            |              |      |            |               |         |           |
|                                      |        |                 |              |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (9-10') (H230115-11)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |         |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4               |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 400    | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023      | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 90.7   | % 48.2-13       | 4               |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 94.0   | % 49.1-14       | 8               |              |      |            |               |         |           |
|                                      |        |                 |                 |              |      |            |               |         |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (0-1') (H230115-12)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH     |      |            |               |         |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9  | 71.5-13         | 4               |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 5040   | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023      | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | 10.9   | 10.0            | 01/10/2023      | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 84.8   | % 48.2-13       | 4               |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 86.2   | % 49.1-14       | 8               |              |      |            |               |         |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 19 (3-4') (H230115-13)

BTEX 8021B

| DILX GOZID                           | ıııg,  | Ng .            | Allulyzo   | u by. 511    |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9  | % 71.5-13-      | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 1720   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 83.3   | % 48.2-13-      | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 86.2   | % 49.1-14       | 8          |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (6-7') (H230115-14)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |         |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125      | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 1070     | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 96.6     | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 98.6     | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |          |                 |            |              |      |            |               |         |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (8-9') (H230115-15)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 127    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 352    | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 98.2   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 19 (9-10') (H230115-16)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7 5          |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 288    | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 89.6   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 90.8   | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (0-1') (H230115-17)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 123 9  | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 3480   | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | 118    | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | 47.6   | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 98.7   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 106 9  | % 49.1-14       | 8          |              |      |            |               |         |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 20 (3-4') (H230115-18)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH     |      |            |               |         |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/10/2023      | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/10/2023      | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300  | 0.300           | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 123 9   | 71.5-13         | 4               |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyzed By: AC |              |      |            |               |         |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 1380    | 16.0            | 01/11/2023      | ND           | 400  | 100        | 400           | 3.92    |           |
| 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            | 01/10/2023      | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/10/2023      | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/10/2023      | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 102 9   | % 48.2-13       | 4               |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 104 9   | % 49.1-14       | 8               |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (6-7') (H230115-19)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 672    | 16.0            | 01/11/2023 | ND           | 400  | 100        | 400           | 3.92    |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 100    | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 103    | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (7-8') (H230115-20)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 400    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64    |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 86.8   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 86.7   | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |        |                 |            |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 20 (9-10') (H230115-21)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |         |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125      | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |         |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 240      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64    |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |         |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 97.6     | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 99.3     | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |          |                 |            |              |      |            |               |         |           |

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (0-1') (H230115-22)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |         |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 123      | % 71.5-13       | 4          |              |      |            |               |         |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 2560     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64    |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |         |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 88.8     | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 89.8     | % 49.1-14       | 8          |              |      |            |               |         |           |
|                                      |          |                 |            |              |      |            |               |         |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (2-3') (H230115-23)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |         |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.02 | 101        | 2.00          | 1.65    |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.17 | 108        | 2.00          | 0.187   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.11 | 106        | 2.00          | 0.00705 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.58 | 110        | 6.00          | 1.05    |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 4-Bromofluorobenzene (PID | 122 9  | 71.5-13         | 4          |              |      |            |               |         |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Chloride                             | 1680   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64    |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |         |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 202  | 101        | 200           | 1.83    |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 216  | 108        | 200           | 1.52    |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |         |           |
| Surrogate: 1-Chlorooctane            | 87.4   | % 48.2-13       | 4          |              |      |            |               |         |           |
| Surrogate: 1-Chlorooctadecane        | 87.8   | % 49.1-14       | 8          |              |      |            |               |         |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (3-4') (H230115-24)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 576    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023      | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 77.4   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 78.0   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (4-5') (H230115-25)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 464    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 80.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 82.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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01/09/2023

# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Fax To:

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (0-1') (H230115-26)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3200   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023      | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | 29.4   | 10.0            | 01/11/2023      | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 70.0   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 73.0   | % 49.1-14       | 8               |              |      |            |               |      |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (4-5') (H230115-27)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1600   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023      | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 74.0   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 75.7   | % 49.1-14       | 8               |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (6-7') (H230115-28)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9  | 71.5-13         | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 688    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 82.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 83.8   | % 49.1-14       | 8          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keine



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (7-8') (H230115-29)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 672    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 202  | 101        | 200           | 1.83 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 216  | 108        | 200           | 1.52 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 86.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 91.0   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 15 (9-10') (H230115-30)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 1 1 ,        |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 416    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 | QR-03     |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 | QR-03     |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 87.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 96.1   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (0-1') (H230115-31)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2120   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | 54.8   | 10.0            | 01/10/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | 25.8   | 10.0            | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 58.4   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 66.2   | % 49.1-14       | 8               |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (4-5') (H230115-32)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 720      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.4     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 99.1     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (6-7') (H230115-33)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 880    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 78.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.8   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (7-8') (H230115-34)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1680     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 77.6     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.4     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 14 (9-10') (H230115-35)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1310     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 97.8     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 108      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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Celeg D. Freene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (14-15') (H230115-36)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 5680   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 78.1   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celecy D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 14 (19-20') (H230115-37)

BTEX 8021B

| DILX GOZID                           | ıııg,  | , kg            | Andryzo    | u by. 511/   |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3120   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 87.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 95.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (24-25') (H230115-38)

| BTEX 8021B                           | mg/    | 'kg             | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1570   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.1   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 78.5   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (29-30') (H230115-39)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3840     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 59.8     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 65.0     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (34-35') (H230115-40)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1440   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 | QM-07     |
| 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            | 01/11/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 63.2   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 68.6   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (39-40') (H230115-41)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 704      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/10/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 54.6     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 59.8     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (44-45') (H230115-42)

| BTEX 8021B                           | mg/    | 'kg             | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 640    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/10/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 73.1   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 80.3   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (0-1') (H230115-43)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.13 | 106        | 2.00          | 2.08 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.16 | 108        | 2.00          | 3.57 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.15 | 108        | 2.00          | 3.27 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.46 | 108        | 6.00          | 2.71 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2760   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/11/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | 26.9   | 10.0            | 01/11/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 65.0   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 69.9   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (3-4') (H230115-44)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1300   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/10/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 75.4   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 82.7   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (4-5') (H230115-45)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1020   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 78.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (6-7') (H230115-46)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1330     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/11/2023 | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 70.9     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 76.8     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (9-10') (H230115-47)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1710   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/11/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 49.1   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 53.4   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (14-15') (H230115-48)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300  | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117 %   | 6 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 5280    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/11/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/11/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.9    | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 109 9   | 6 49.1-14       | 8               |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (19-20') (H230115-49)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57 |           |
| Toluene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49 |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67 |           |
| Total Xylenes*                       | < 0.150 | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85 |           |
| Total BTEX                           | <0.300  | 0.300           | 01/10/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115 %   | 6 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1840    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/11/2023      | ND           | 190  | 94.8       | 200           | 3.15 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/11/2023      | ND           | 186  | 93.1       | 200           | 2.05 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 84.1    | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 92.6    | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (24-25') (H230115-50)

BTEX 8021B

|                                      | <u> </u> | <u> </u>        |            | . , . ,      |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 2480     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 86.6     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 89.4     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (29-30') (H230115-51)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050  | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300  | 0.300           | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 %   | 6 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/     | kg              | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 1040    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/10/2023      | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/10/2023      | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93.7 9  | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 96.3    | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (34-35') (H230115-52)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 1            |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 720    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 85.2   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 86.6   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (39-40') (H230115-53)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 800    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93.6   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 96.1   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (0-1') (H230115-54)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050   | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.5     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 94.0     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (2-3') (H230115-55)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 256    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 84.5   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 85.4   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (3-4') (H230115-56)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/10/2023      | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/10/2023      | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/10/2023      | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 1020   | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/10/2023      | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023      | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 74.9   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 74.5   | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (4-5') (H230115-57)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 688    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/10/2023      | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | 22.1   | 10.0            | 01/10/2023      | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 72.5   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 74.4   | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (6-7') (H230115-58)

| BTEX 8021B                           | mg/    | 'kg             | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 288    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze         | d By: MS     |      |            |               |       | S-06      |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <50.0  | 50.0            | 01/11/2023      | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | 2250   | 50.0            | 01/11/2023      | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | 660    | 50.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 88.0   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 182 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (7-8') (H230115-59)

RTFY 8021R

| B1EX 8021B                           | mg     | / kg            | Anaiyze         | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 272    | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 0.00  |           |
| 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            | 01/11/2023      | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | 638    | 10.0            | 01/11/2023      | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | 201    | 10.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 75.8   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 105    | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (0-1') (H230115-60)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 384    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 75.0   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 76.4   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (2-3') (H230115-61)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 448      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 84.5     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 88.9     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (3-4') (H230115-62)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 1            |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 86.3   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 87.9   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (4-5') (H230115-63)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.95 | 97.5       | 2.00          | 6.57  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.04 | 102        | 2.00          | 4.49  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.67  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.30 | 105        | 6.00          | 6.85  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 304    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 94.1   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 96.7   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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Celey D. Kune



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 16 (6-7') (H230115-64)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.4   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 95.6   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (7-8') (H230115-65)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 288    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 206  | 103        | 200           | 0.695 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 199  | 99.4       | 200           | 0.444 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 84.6   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 86.3   | % 49.1-14       | 8          |              |      |            |               |       |           |

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### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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| Relinquished By: Colton Bit Relinquished By: Relinquished By: Clicle One) Sampler - UPS - Bus - Other: | Relinquished By: Col            | Relinquished By: Col | Relinquished By: Colton Bickerstaff |  | affiliates or successors arising out or   | PLEASE NOTE: Listally and Dainages.<br>service. In no event shall Cerdinal b   | <i>10</i> ВН   | 9 BH         |              | ) вн         | 6 BH           | S(            | д вн         | 2 BH         | D BH         | BH-          | DICK DE  | Lab I.D.         | Sampler Name: Colton Bickerstan | Project Location: Edgy County, New mexico |                   | Project Name: Big George State #3 Release | Project #: 212C                        | Phone #: (512)       | City: Austin          | ddress: 8911 Capital o                        | Project Manager: Christian Llull | Company Name: Tetra Tech |                                   |   |
|--|---------------------------------|----------------------|-------------------------------------|--|---|--|--|--------------|--------------|--------------|----------------|---------------|--------------|--------------|--------------|--------------|----------|------------------|---------------------------------|---|-------------------|---|--|----------------------|-----------------------|---|----------------------------------|--------------------------|-----------------------------------|---|
|  |                                 |                      | M                                   |  | in the party of the party of the party of | M.BASE NOTE: Lastilly and Danages. Cardwall habited and clearly entained many areas a services. In no event dual cardwall by habited to consequental damages, including debuglic finations, bearines interruptions, less of use, or less of perits incurred by clears, the submission of chardwalls services. In no event dual cardwalls by habite for included and consequential damages, including debuglic finations, bearing some or of the above stated massars of otherwise. | BH-18 (8-9')   | BH-18 (7-8') | BH-18 (4-5') | BH-18 (0-1') | BH-17 (14-15') | BH-17 (9-10') | BH-17 (7-8') | BH-17 (6-7') | BH-17 (3-4") | BH-17 (0-1') |          | Sample I.D.      | DICKEISIAII                     | County, New mexico                        | County New Mexico | ge State #3 Release                       | 212C-MD-02933, Task 110 Project Owner: | (512)565-0190 Fax #: | State:                | Address: 8911 Capital o Texas Hwy, Suite 2310 | ian Liuli                        | _                        | (575) 393-2326 FAX (575) 393-2476 | TO THE WORLD WAS NOT BEEN AND MAN AND AND AND AND AND AND AND AND AND A |
| W  | Observed Temp. "C               | Date:<br>Time:       | Time: Way                           | Date: 1/10/23  |   | oy to any commoney more sages, including without limit herounder by Cardinal, rega   |  |              |              |              |                |               |              |              |              |              |          | ODAR OR (CYOMP   |                                 |   |                   |   | oject Owner:                           |                      | : TX Zip: 78750       |   |                                  |                          | X (575) 393-247                   | OFF NM 8824   |
| 3.3  | 3.9.                            | Recei                | d                                   | Receiv   |   | ation, bush<br>ardiess of w  | G  | 9            | 9            | G            | 9              | 9             | G            | G 1          | G            | 1 -          | *        | G)RAB OR (C)OMP. |                                 |   |                   |   |  |                      | 750                   |   |                                  |                          | 6                                 | 5   |
| r  |                                 | Received By:         | 3                                   | Received By:   |   | helfar suc   |  | +            | +            | +            | +              | 1             | 1            | 1            | 1            | 1            | _        | BROUNDWATER      | 1                               |   |                   |   | Con                                    |                      |                       |   |                                  |                          |                                   |   |
| T ME   | Sample Condi                    | ה                    | 0                                   |  |   | aptions, ica   | X  | ,            | < >          | ×            | :   >          | 4 ×           | ×            | ×            | ×            | 4 >          | -        | WASTEWATER SOIL  |                                 |   |                   |   | ConocoPhillips                         |                      |                       |   |                                  |                          |                                   |   |
| -  | Sample Condition<br>Cool Intact |                      | 5                                   | 1  |   | s of use, or<br>based upon   | 20 0   | +            | +            | +            | Ŧ              | +             | Ŧ            | Ŧ            | Ŧ            | Ŧ            |          | DIL SLUDGE       | 2                               |   |                   |   |  |                      |                       |   |                                  |                          |                                   |   |
|  | 9                               |                      | Q                                   | ,  | 1   | bas of pro   | - Inches   | ‡            | #            | ‡            | #              | #             | ‡            | ‡            | ‡            | #            | _        | OTHER :          | 00                              | Fax #:                                    | Phone #:          | State:                                    | City:                                  | Addr                 | Attn:                 | Lom   | P.O. #                           |                          | 1                                 |   |
|  | 0 9                             |                      | 2                                   |  | 1   | above sta  | d by the ch  | 4 3          | 4 >          | 4 >          | 4 3            | < >           | 4 >          | ۷ ×          | 4 >          | 4            | ×        | ICE / COOL       | /GESEG/                         | 77  | #:                |   |  | Address: EMAIL       | Attn: Christian Liuii | Company: reua reci                            |                                  | I -                      |                                   |   |
|  | (Initials)                      |                      | 5                                   | ,  | ١   | d by cleen   | 1/ Oct 10/ 10/   | -            | - 5          |              | - 1            | - 5           |              | 2 5          | : 5          | =            | _        |                  | 1                               |   |                   | ZIP:                                      |  | MAIL                 | ian Li                | eua I   |                                  | BILL TO                  |                                   |   |
| 1  | S)                              | 1                    | 16                                  | -  |   | Es subsidia<br>a or otherwi  | the analyses, All claims                               | 10/2023      | 1/9/2023     | 20202/6/1    | 0/2022         | 1/9/2023      | 1000000      | 1/0/2023     | 00000        | 1/9/2023     | 1/9/2023 | DATE             | SAMPLING                        |   |                   | n   |  |                      | 1                     | 100   | 4                                | 0                        |                                   |   |
|  | Rest X                          |                      | REMARKS                             | All Results are emailed. Please provide Email address: | Verbal Result                             | * *  | claims including those                                 | 1            | 1            | 1            | 1              | 1             | 1            | 1            |              | 1            |          | TIME             | ING                             |   |                   |   |  |                      |                       |   |                                  |                          |                                   |   |
|  | 2 - 2                           |                      |                                     | are ema  | ult                                       |  | 8  | ×            | ×            | × ;          | ×              | ×             | × i          | × ;          | × :          | ×            | ×        | TPH 8015M        | _                               |   |                   |   |  |                      |                       |   |                                  |                          |                                   |   |
| 5  | 7 1 1                           | 1                    |                                     | iled. Pl   | □ Yes                                     |  | gence and any  | ×            | ×            | ×            | ×              | ×             | ×            | ×            | ×            | ×            | ×        | BTEX 8021B       | 1                               |   |                   |   |  |                      |                       |   |                                  |                          | 1                                 |   |
| 1  | Observed Temp. 'C               | 1                    |                                     | ease pr  | ON D                                      |  | 8  | ×            | ×            | ×            | ×              | ×             | ×            | ×            | ×            | ×            | ×        | Chloride SM4     | 50                              | 000                                       | I-                | В   |  |                      |                       |   |                                  | ],                       |                                   |   |
|  | ed Temp. 'C                     |                      |                                     | ovide Er   |   |  | susa whatso  | 1            | 1            | 1            | 1              | 7             | 1            | 1            | 1            |              |          |                  |                                 |   |                   |   |  |                      |                       |   |                                  | MANE                     |                                   |   |
|  |                                 | Part Control         |                                     | nail add   | Add                                       |  | ever shall be  | +            |              | +            | 1              | 1             | 1            | +            | 1            |              |          |                  |                                 |   |                   |   |  |                      |                       |   |                                  | 100                      | 200                               |   |
| 1  |                                 | a Bion               |                                     | ress:  | Add'l Phone #:                            |  | destred  |              |              | 1            |                |               | 1            | 1            | 1            |              |          |                  |                                 |   |                   |   |  |                      |                       |   |                                  | 1                        | REDIEST                           |   |
|  |                                 |                      | 1                                   |  | **  |  | walved un  |              | -            | +            | -              | Н             | +            | +            | +            |              | t        |                  |                                 |   |                   | _   |  |                      |                       |   |                                  |                          | EST                               |   |
|  | Corrects                        |                      |                                     |  |   |  | less made  | _            | Н            | Н            |                | Н             |              |              |              |              | t        |                  |                                 | _   |                   | _   |  |                      |                       |   |                                  |                          |                                   |   |
|  | Corrected Temp. "C              |                      |                                     |  |   |  | o pugan o  |              |              | Н            |                |               |              |              |              |              | t        |                  |                                 |   |                   |   |  |                      |                       |   |                                  |                          |                                   |   |
|  |                                 |                      |                                     |  |   |  | d received   | -            | H            | Н            | _              |               | -            | -            |              |              | +        |                  | _                               | _   |                   | _   |  |                      |                       |   |                                  | 7                        |                                   |   |
|  |                                 |                      |                                     |  |   |  | walved unless made in writing and received by Cardinal | -            | -            | -            | -              | -             | -            | -            | -            | -            | +        |                  |                                 |   |                   |   | _                                      |                      |                       |   |                                  | 1                        |                                   |   |
|  |                                 |                      |                                     |  |   |  | OC UPDAY 9   | _            | 1            | -            | _              | -             | -            |              | -            | -            | +        | -                | _                               | _   | _                 | _   | -                                      | _                    | _                     | _   |                                  | -                        |                                   |   |



| Relinquished By:  Dollvered By: (Circle One) Sampler - UPS - Bus - Other: | elinquished By:                         | elinquished By: |              | lay      | Relinquished By: Colton Bickerstaff   | Bales or successors arising o          | LEASE NOTE: Labilly and Dam<br>arvice. In no event shall Caldin  | 000  | -            | 10           |              |               | ,            |              |              | D            |               | #<br># 30115              | R CABUSE ONLY | Sampler Name: Colton Bickerstaff | oject Location: Ec                        | oject Name: Big G                         | Project #: 21                          | Phone #: (5      | City: Austin          | dress: 8911 Capit                             | Project Manager: Christian Llull | Company Name: Tetra Tech |  |
|---|---|-----------------|--------------|----------|---|--|--|--|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------------------|---------------|----------------------------------|---|---|--|------------------|-----------------------|---|----------------------------------|--------------------------|--|
|   | One)<br>- Other:                        |                 | -            | A        | olton Bickerstaff   | it of or related to the performance of | PLEASE TO ELABILY AND Charlosh hashing and distrit reclause remark to any claim around water based no construct or claim before the manufact pool by the construct or a service. The construction of the const | BH-20 (7-8')   | BH-20 (6-7') | BH-20 (3-4') | BH-20 (0-1") | BH-19 (9-10') | BH-19 (8-9') | BH-19 (6-7") | BH-19 (3-4") | BH-19 (0-1') | BH-18 (9-10') | Sample I.D.               |               | on Bickerstaff                   | Project Location: Eddy County, New Mexico | Project Name: Big George State #3 Release | 212C-MD-02933, Task 110 Project Owner: | (512)565-0190 Fa |                       | Address: 8911 Capital o Texas Hwy, Suite 2310 | ristian Llull                    |                          | 101 East Maria<br>(575) 393-232  |
| U.  | Observed Temp. °C<br>Corrected Temp. °C | Time:           | Date:        | Time Cal | Date: 1/10/23   | services haveunder by Cardinal, re     | ave remedy for any claim emang with<br>otal damages, including without it  |  |              |              |              |               |              |              |              |              |               |                           |               |                                  | 00  | ři.                                       | 10 Project Owner:                      | Fax #:           | : TX                  | 2310  |                                  |                          | 101 East Marland, Hobbs, NM 88240<br>(575) 393-2326 FAX (575) 393-2476 |
| いよ  | 35                                      | _               | Rec          | -        | Rec   | ogardess                               | efter basic<br>imitation, i  | G  | G            | G            | G            | G             | G            | G            | G            | G            | G             | (G)RAB OR (C)OMP.         |               |                                  |   |   |  |                  | Zip: 78750            |   |                                  |                          | 240  |
| ( .   | 1.                                      |                 | Received By: | 3        | Received By:  | OF WHITE                               | in codin   | -  | -            | -            | 1            | 1             | 1            | 1            | -            | 1            | -             | # CONTAINERS              | _             |                                  |   |   | _                                      |                  |                       |   |                                  |                          |  |
|   | 2 00 S                                  |                 | By:          | 1        | By  | Ser Succes                             | telamup  |  |              |              |              |               |              | L            |              | _            | L             | GROUNDWATER<br>WASTEWATER | -             |                                  |   |   | Conc                                   |                  |                       |   |                                  |                          |  |
| - F   | Sample Condition<br>Cool Intact         |                 | 0            | 3        |   | -                                      | fora, los  | ×  | ×            | ×            | ×            | X             | ×            | X            | ×            | ×            | ×             | SOIL                      | MATRIX        |                                  |   |   | ConocoPhillips                         |                  |                       |   |                                  |                          |  |
| 8   | Cond                                    |                 | -            | 0        |   | 1                                      | a of use   |  |              |              |              |               |              |              |              |              | F             | OIL                       | = EX          |                                  |   |   | hillip                                 |                  |                       |   |                                  |                          |  |
|   | tion                                    |                 |              | 1        | 1   |  | or bas   | L  | L            | L            |              | L             | L            |              | -            | L            | H             | SLUDGE<br>OTHER:          | +             | 77                               | P   | ď   |  | Þ                | A                     | C   | 9                                | $\vdash$                 | 1  |
|   |   |                 | -            | Z        |   |  | of the at  | H  | +            | +            |              |               | +            | $\vdash$     | $\vdash$     | $\vdash$     | t             | ACID/BASE:                | PRE           | Fax #:                           | Phone #:                                  | State:                                    | City:                                  | ddres            | ttn: C                | ompa  | P.O. #                           |                          |  |
| (   | · 오                                     |                 |              | >        |   |  | y the cle<br>i hourse<br>ove stat  | ×  | ×            | ×            | ×            | ×             | ×            | ×            | ×            | ×            | ×             | ICE / COOL<br>OTHER :     | PRESERV.      |                                  | 79  |   | 1                                      | Address: EMAIL   | Attn: Christian Llull | iny: T  |                                  |                          |  |
|   | (Initials)                              |                 |              | 0        |   |  | d by dis   | L  | _            | _            | _            | _             | _            | _            | -            | -            | -             |                           | 1.            | -                                |   | ap.                                       | 4                                      | MAIL             | ian L                 | etra  |                                  | BILL TO                  |  |
| R   | (Initials)                              | (               | 2            | 3        |   |  | ci qui tot, shall de limited in the amusti pad by the caust qui one amapses, ne ve<br>triamruptione, loss of use, or bear si profits incurred by deinet. Its subsidiaries<br>ar such claim is based usen arry of the above stated researchs or officerwise.  | 1/9/2023   | 1/9/2023     | 1/9/2023     | 1/9/2023     | 1/9/2023      | 1/9/2023     | 1/9/2023     | 1/9/2023     | 1/9/2023     | 1/9/2023      | DATE                      | SAMPLING      |                                  |   | p.  |  |                  | Iuli                  | Company: Tetra Tech                           |                                  | 70                       |  |
| Correction Factor   | Tunasound Time: Stan                    |                 | REMARKS:     |          | Verbal Result: U res U No Productione e. All Results are emailed. Please provide Email address: |  | - 1  | ins including those for                                |              |              |              |               |              |              |              |              |               | TIME                      | G             |                                  |   |   |  |                  |                       |   |                                  |                          |  |
| 1 de  | Cool Intact                             |                 |              | 1        | re ema  |  |  | X  | ×            | ×            | ×            | ×             | ×            | ×            | ×            | ×            | * ×           | TPH 8015M                 | I             |                                  |   |   |  |                  |                       |   |                                  |                          |  |
| 7   | and an                                  |                 |              |          | iled. Plea  |  |  | A pence and any  | 4 >          | ×            | ×            | ×             | ×            | ×            | ×            | ×            | < >           | BTEX 8021                 |               |                                  |   |   |  |                  |                       |   |                                  |                          |  |
| 0.  | Observed Temp. "C                       |                 |              |          | se provio   | 1                                      |  | offser cause   | < >          | 4 >          | ×            | ×             | ×            | ×            | ×            | * >          | < >           | Chloride SN               | VI45          | 500                              | CI  | -B  | _                                      |                  | _                     | _   | _                                | AN                       |  |
|   | 90                                      |                 |              |          | de Email  |  | Z.   | whatsoever s   | 1            | 1            | 1            | 1             | 1            | -            | 1            | 1            | +             |                           | _             | _                                | _   | _   | _                                      | _                | _                     | _   | _                                | ANALYSIS                 |  |
|   | _ 1                                     |                 |              |          | ddress:   | dall pho                               |  | or shall be deeme                                      | +            | +            | +            | +             | +            | +            | +            | +            | +             |                           |               |                                  |   |   | _                                      | _                |                       |   |                                  | KEG                      |  |
| 8   8   | i i                                     |                 |              |          | 3   | *                                      |  | d wayne o  | +            | +            | +            | +             | +            | +            | +            | +            | +             |                           | _             |                                  | -   |   |  |                  |                       |   |                                  | KEQUEST                  | 101  |
| Correct   |   |                 |              |          |   |  |  | weived unless made in writing and received by Cardinal | +            | +            | +            | +             | +            | +            | +            | +            | +             |                           |               |                                  |   | _   | _                                      |                  |                       |   |                                  | 1                        |  |
| Contected Temp.   |   |                 |              |          |   |  |  | in willing   | +            | +            | +            | +             | +            | +            | +            | +            | +             |                           | _             | -                                | _   | _   | _                                      | _                |                       |   | _                                | 1                        |  |
| đ   |   |                 |              |          |   |  |  | and rec  |              |              |              |               |              |              |              |              |               | -                         |               |                                  |   |   |  |                  |                       |   | _                                | 1                        |  |
|   |   |                 |              |          |   |  |  | aived by   | 1            | T            | T            | T             | T            | T            | T            | T            | T             |                           |               |                                  |   |   |  |                  |                       |   |                                  |                          |  |
|   |   |                 |              |          |   |  |  | Cardinal   | +            | +            | +            | +             | +            | +            | +            | +            | 7             |                           |               |                                  |   |   |  |                  |                       |   |                                  |                          |  |
|   |   |                 |              |          |   |  |  | senio.   | 4            | 1            | 1            | 4             | 1            | 4            | 1            | +            | 4             | -                         | _             | _                                | _   | _   | _                                      | _                | _                     | _   | _                                | +                        |  |
|   |   |                 |              |          |   |  |  | 30 days  |              |              | 1            | 1             |              |              |              | $\perp$      | $\perp$       |                           | _             | _                                | _   | _   | _                                      | _                | _                     | _   | _                                |                          | _  |



| Company Name: Tetra Tech  |  | MI   |                |              |                   |                    |                                       | _                   | P.O. #:       |            | 100                   | BILL 10                   | 0   | Ц  | -                       | 4           | -                              |           | -   |             | - 1                 | $\dashv$                         |  | 4   |
|---|--|--|----------------|--------------|-------------------|--------------------|---------------------------------------|---------------------|---------------|------------|-----------------------|---------------------------|---|--|-------------------------|-------------|--------------------------------|-----------|-----|-------------|---------------------|----------------------------------|--|---|
| Project Manager: Christian Llull  | Project Manager: Christian Llull   | 310  |                |              |                   |                    |                                       |                     | Com           | pany       | Company: Tetra Tech   | tra T                     | ech   |  | _                       |             | _                              |           |     |             |                     |                                  |  |   |
| City: Austin  |  | State: TX Zip: 78750   | 9750           |              |                   |                    |                                       |                     | Attn          | Chr        | Attn: Christian Llull | חנו                       | =   |  | _                       |             | _                              | _         |     | _           |                     | _                                |  |   |
|   | (512)565-0190 Fax#:  |  |                |              |                   |                    |                                       | Ш                   | Add           | ess        | Address: EMAIL        | P                         |   |  | _                       |             | _                              | _         |     |             |                     |                                  |  |   |
|   | 212C-MD-02933, Task 110 Project Owner:   | Project Owner:   |                |              | Con               | ocol               | ConocoPhillips                        |                     | City:         |            |                       |                           |   |  | _                       | _           |                                | _         |     |             |                     |                                  |  |   |
| ame: Big  | Project Name: Big George State #3 Release  |  |                |              |                   |                    |                                       |                     | State:        | 6          |                       | Zip:                      |   |  | _                       | _           | В                              | _         |     | _           | _                   | _                                | _                                      | _   |
| Project Location:   | Project Location: Eddy County, New Mexico  |  |                |              |                   |                    |                                       |                     | Pho           | Phone #:   |                       |                           |   |  | _                       |             | CI-                            | _         |     | _           | _                   |                                  |  |   |
| Sampler Name: Colton Bickerstaff  | olton Bickerstaff  |  |                | - 1          | - 1               |                    |                                       |                     | Fax #:        | #          |                       |                           |   |  | _                       |             | 00                             | _         |     | _           |                     | _                                |  | _   |
| Samplet Maille.   | Citori Dicercio  |  | 1              | 4            | 1                 | 2                  | AIG.                                  |                     | -             | PRESERV.   | ERV.                  | 1                         | SAMPLING  | G7   |                         |             | 5                              |           |     | _           |                     | _                                |  |   |
| Lab I.D.  |  |  | MP.            |              | -                 | 3                  | - NATION                              |                     |               |            |                       | _                         |   |  | 5M                      |             | SM4                            |           |     |             |                     |                                  |  |   |
| きゃらん  | Sample I.D.  |  | (G)RAB OR (C)O | # CONTAINERS | GROUNDWATER       | WASTEWATER<br>SOIL | OIL                                   | SLUDGE              | OTHER:        | ACID/BASE: | OTHER:                | _                         | DATE  | TIME   | TPH 801                 |             | Chloride                       |           |     |             |                     |                                  |  |   |
| 100010  | RH-20 (9-10')  |  | 47             | _            |                   |                    |                                       |                     | $\overline{}$ | Ш          |                       | 1/9                       | 1/9/2023  |  | ×                       | ×           | ×                              | 1         |     | +           | +                   | -                                | -                                      |   |
| 32  | RH_11 (0-1")   |  | G              | -            |                   |                    | ×                                     |                     |               |            | ×                     | 1/9                       | 1/9/2023  |  | ×                       | ×           | ×                              | L         | 1   | +           | -                   | -                                |  |   |
| 20  | RH-11 (2-3")   |  | G              | -            |                   | ×                  | 7                                     |                     |               |            | X                     | 1/0                       | 1/9/2023  |  | ×                       | ×           | ×                              |           | 1   | +           |                     | -                                |  |   |
| 9   | BH-11 (3-4")   |  | G              | -            |                   | -                  | ×                                     |                     |               |            | ×                     | 1/9                       | 1/9/2023  |  | ×                       | ×           | ×                              | L         |     | +           | +                   | -                                |  |   |
| 7   | BH-11 (4-5')   |  | G              | -            |                   |                    | ×                                     |                     |               | _          | ×                     | 15                        | 1/9/2023  |  | ×                       | ×           | ×                              | 1         | -   | +           | +                   | +                                | +                                      | -   |
| 200   | BH-15 (0-1")   |  | G              | -            |                   |                    | ×                                     | Г                   |               |            | ×                     | 5                         | 1/9/2023  |  | ×                       | ×           | >                              | 1         |     | +           | 1                   | +                                | +                                      |   |
| 22  | BH-15 (4-5')   |  | G              | -            |                   |                    | ×                                     |                     |               |            | ×                     | 17                        | 1/9/2023  |  | ×                       | ×           | ×                              |           |     | +           |                     |                                  |  |   |
| 200   | BH-15 (6-7')   |  | G              | -            |                   |                    | ×                                     | t                   | t             | L          | ř                     | -                         | 1/9/2023  |  | : >                     | 4 >         | 4 >                            |           |     | +           | 1                   | +                                |  |   |
| 29  | BH-15 (7-8')   |  | G              | -            |                   |                    | ×                                     | $^{+}$              |               | 1          | 4×                    | = =                       | 1/9/2023  |  | ××                      | ××          | ××                             |           |     | +           |                     |                                  |  |   |
| PLEASE NOTE Closiny and D   | Sects order  | se energy for any claim seating whether based in ordinate to self, which is missed to be encount partiting the claimstate or analyses. All other based in the count of partiting to count by class, it is excluded by class of the count of the above that which is based only only of the above the class of excluded by class of the count of the class of th | tafon, b       | in confit    | act or to         | down a             | be limited<br>less of u               | distress<br>diagons | oss of p      | ad by the  | o client              | ty the a                  | analyses. All claim<br>its subsidiaries.<br>s or otherwise. | including those  | for neglige             | nce and any | and any other cause            | whatsores | 5   | shall be de | of to destrad sale  | all to dearwid veloced unless ma | dearred waiting united moon in writing | all be deeined waterd uses made in writing and inventory of |
| SUBSECTION OF STREET, | THE STATE OF A SECURITY OF A S | 24000  | 0              |              | D                 |                    | 1                                     | 1                   |               | 1          |                       | 1                         |   | erbal Result   |                         | Yes [       | No                             |           | 130 | dd'l Pi     | □ No Add'l Phone #: | dd'l Phone #:                    | dd'i Phone #:                          | dd'l Phone #:   |
| Relinquished By   | Relinquished By: Colton Bickerstaff  | Time:   / 2  | X ec           | Received by: | y ay              | 5.                 | 9                                     | 2                   | >             | >          | _                     | 7                         |   | All Results are emailed.                                     | emai                    | ed. Plea    | se provi                       | de Emai   |     | addres      | address:            | address:                         | address:                               | address:  |
| Relinquished By:  |  |  | Received By:   | eive         | В                 |                    | 1                                     | k                   | 1             | -          |                       |                           | 9   | REMARKS:   |                         |             |                                |           |     |             |                     |                                  |  |   |
|   |  | Time:  |                |              |                   |                    |                                       |                     |               |            |                       |                           | (   |  |                         |             |                                |           | 1   |             |                     |                                  |  |   |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:  |  | Observed Temp. *C Corrected Temp. *C   | 3.7.           | 0, 0         | 1 1 1 1 1 1 1 1 1 | ool old            | Sample Condition Cool Intact Ova D va | ditio               | 3             |            | - SE                  | CHECKED BY:<br>(Initials) |   | Tunaround Time:  Rush C  Theirmometer ID  Correction Factor. | Standard<br>Cool Intact |             | Bacteria (on Observed Temp. "C | 8         | - 8 | 7 0         | yek Candikin        | # 15<br>                         | Ves Ves Ves Corrected Temp.            |   |



| ConocoPhillip | Company: Tetri Attn: Christian Address: EMAI ConocoPhillips City: Phone #: | P.O. #:<br>Compan<br>Attn: Ch<br>Address<br>City:<br>State: |   |  | P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL City: State: Zip: Phone #:  |
|---------------|--|---|---|--|--|
|               |  |   | P.O. #: Company: Tetra Te Attn: Christian Llu Address: EMAIL City: State: Zip: Phone #: Fax #: PRESERV. | P.O. #:  Company: Tetra Tech  Attn: Christian Liull  Address: EMAIL  City:  State: Zip:  Phone #:  Preserv. SAMPLING | P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL City: State: Zip: Phone #: Pax #: PRESERV. SAMPLING M 4500C I-B M 4500C I-B |



| P.O. #:   P.O.   | U   Bill-13 (4-5)  | US BH-13 ( U) BH-13 ( | 45 BH-13 ( 41 BH-13 ( 41 BH-13 ( 41 BH-13 ( 42 BH-13 ( 43 BH-13 ( 44 BH-13 ( 44 BH-13 ( 45 BH-13 ( 46 BH-13 ( 46 BH-13 ( 47 BH-13 ( 48 BH-13 (  | He BH-13 (4-5')  He BH-13 (6-7')  He BH-13 (9-10')  He BH-13 (14-15')  He BH-13 (14-15')  He BH-13 (14-25')  He BH-13 (14-15')   ability and Daniel ships of Sh | 45 BH-13 ( 41 BH-13 ( 41 BH-13 ( 42 BH-13 ( 44 BH-13 ( 44 BH-13 ( 45 BH-13 ( 46 BH-13 ( 46 BH-13 ( 47 BH-13 ( 48 BH-13 ( 48 BH-13 ( 49 BH-13 ( 49 BH-13 ( 40 BH-13 ( |  |              |           |           |        |           | UU BH-13 (3-4") | u3 BH-13 (0-1")  | Ja BH-14 (44-45') | BH-14 (39-40') | Project Manager: Christian Liull Address: 8911 Capital o Texas Hwy, Suite 2310 City: Austin State Phone #: (512)565-0190 Fax #: Project #: 212C-MD-02933, Task 110 Project Name: Big George State #3 Release Project Location: Eddy County, New Mexico Sampler Name: Colton Bickerstaff COLUMNIC ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. | Company Name: Tetra Tech | 10   |
|--|--|---|--|---|--|---|--|--------------|-----------|-----------|--------|-----------|-----------------|------------------|-------------------|----------------|--|--------------------------|--|
| PO. #:   Company: Tetra Tech   Address: EMAIL  | and a not on the notation of t | 2 co  | 8708   | anda on the   | s solily and directs exclusive remedy for any claim solid<br>it incidental at consequental damages, including with<br>it to the pathermance of services hereunder by Cavili  | s tability and client's exclusive remedy to any claim school invidential or consequential democracy, including with   | C2-#2                                  | 19-20)       | 14-15')   | 9-10')    | 6-7')  | 4-5')     | 3-4")           | )-I")            | 14-45')           | 39-40')        | Hwy, Suite 2310 State: TX Fax #: 33, Task 110 Project Ow #3 Release New Mexico aff   | 010) 000 000             | 101 East Marland, Hobbs, NM 88240<br>(575) 393-2326 FAX (575) 393-2476 |
| P.O. #: Company: Tetra Tech Attn: Christian Lluil Address: EMAIL State: Zip: Phone #: Phone # | 3.3  | 4   | Nec  | -   | Rece   | nal, regardiets o   | g whether based<br>out firmitation, bu | G 0          | 2 0       | G         | G      | G         | G               | G                | G                 | G              | (G)RAB OR (C)OMP.  |                          | 88240  |
| TIME  TO THE SOLIDA STATE OF THE SOLIDA STATE  | '.   |   |  | No. of Bridge   | eived B  | of whether to   | is contract or                         | -            | -         | -         | -      | -         | -               | -                | -                 | -              |  |                          |  |
| TIME TPH 8015M  TPH 8015M  BTEX 8021B  We have a challeng flower for registration and statement statement and reduced and statement and transport from the standard of the statement of transport from the standard of tr | 1  | Sample Cond<br>Cool Intact  | ,  | M   | _ ×  | ach daim is   | tod shall be<br>ruptions, to           | ,            | 1         | <br> <br> | 1      | ı ×       | ×               | ×                | ×                 | ×              | WASTEWATER NATE NO.  |                          |  |
| TIME TPH 8015M  TPH 8015M  BTEX 8021B  We have a challeng flower for registration and statement statement and reduced and statement and transport from the standard of the statement of transport from the standard of tr | 10 No  | Conditi<br>ntact  |  | 1   | 2  | based upo   | limited to the                         | 1            | +         | +         | +      | +         | +               | ŧ                | +                 | Ŧ              | OIL SLUDGE   |                          |  |
| TIME  TIME  TO BE THE SOLUTION  THE SOLUTION  TO BE THE SOLUTION   |  | 9   |  | B   |  | any of the  | amount par<br>bas of pro               | 1            | #         | +         | +      | #         | +               | ‡                | +                 | ‡              | OTHER: PR Phon Phon PR State: ACID/BASE: PR P  |                          |  |
| TIME  TO BE Standard Constitute Condition  The standard Condit Condition  The standard Condition  The standard Condition  The  |  | 2   |  | 8   | 5  | above state   | d by the clies<br>fits incurred        | ×            | ×         | × >       | 4>     | 4>        | ×               | >                | 4>                | 4>             | Christi  | BII                      |  |
| TIME  THE PH 8015M  TO THE SUBSTITUTE Standard Condition  Transmort Time: Standard Condition  Time Time Time Time Time Time Time Time  | 2  | (Initials)  | C  | 3   | >  | no respons or opposit   | there analyses, by plant, its subside  | 1/10/2023    | 1/10/2023 | 1/10/2023 | 100001 | 1/10/2023 | 1/10/2923       | Di State and Co. | 1/10/2021         | CTOTOTOTO      | Zip: SAME  | 11 70                    |  |
| ANALYSIS REQUEST  ANALYSIS REQUEST  Chloride SM4500CI-B  Chloride SM4500CI-B  ANALYSIS REQUEST  ANALYS | Correction Faces   | Rush Thermome   |  | REMARK  | All Result   |   | , 1                                    |              | 1         | 1         | 1      | 1         | 1               | 1                | 1                 | 1              | TIME   |                          |  |
| ANALYSIS REQUEST  ANALYSIS REQUEST  Chloride SM4500CI-B  Chloride SM4500CI-B  ANALYSIS REQUEST  Chloride SM4500CI-B  ANALYSIS REQUEST  ANA |  | 1 0   |  | 59  | s are en   |   |  | ×            | ×         | ×         | ×      | ×         | × >             | < h              | ×                 | v ;            | TPH 8015M  |                          |  |
| ANALYSIS REQUEST  ANALYSIS REQUEST  Back to provide SM4500CI-B  SM4500CI-B  ANALYSIS REQUEST  X X X X X X X X X X X X X X X X X X X  |  | ,   |  |   | nailed.  | \<br>\<br>\   | 90                                     |              | +         | +         | +      | +         | +               | +                | +                 | ×              | BTEX 8021B   |                          |  |
| SIS REQUEST  We also desired solved coless we also condition   |  | -   |  |   | lease p  |   | d any other                            | Н            | -         | +         | +      | +         | +               | ×                | ×                 | ×              | Chloride SM4500CI-B  |                          |  |
| are to de formed selved orbes  all address:    Orange Condition   No.    |  | Temp. 'C  | the land of the la |   | rovide En  |   | Charle Walson                          | F            |           |           |        | 1         | 1               | 1                | 1                 | 1              |  | ANALY                    |  |
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| 5 Ta d d d d d d d d d d d d d d d d d d   |  | ] os []   | dition   |   | ress:  | Phone   |  |              |           |           |        |           | 1               |                  |                   |                |  | EQUE                     |  |
|  |  |   |  |   |  | *   | -                                      |              |           | H         |        |           | 1               |                  |                   |                |  | ST                       |  |
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| t bearing of the second of the |  |   |  |   |  |   |  | in hed by C  |           |           |        |           |                 |                  |                   |                |  |                          |  |
| 201  |  |   |  |   |  |   | ŀ                                      | ardinal with |           |           |        |           |                 |                  |                   |                |  |                          |  |



| ConocoPhillips | 2476  78750  ConocoPhillips  | 2476  78750  ConocoPhillips  | 2476  78750  ConocoPhillips  | ### Address: EMAIL  ConnocoPhillips  ConocoPhillips  ConocoPhillips  State: Zip:  Fax #:   |
|----------------|--|--|--|--|
|                | P.O. #: Company: Tetra Te Attn: Christian Llul Address: EMAIL City: State: Zip: Phone #: Fax #: PRESERV.   |  | P.O. #:  Company: Tetra Tech  Attn: Christian Llull  Address: EMAIL  City:  State: Zip:  Phone #:  Fax #:  PRESERY. SAMPLING   | P.O. #:  Company: Tetra Tech  Attn: Christian Llull  Address: EMAIL  City:  State: Zip:  Phone #:  Phone #:  PRESERV. SAMPUNG  B M4500CI-B |
|                | P.O. #: Company: Tetra Te Attn: Christian Llui Address: EMAIL City: State: Zip: Phone #: Preserv. Preserv. | P.O. #: Company: Tetra Te Attn: Christian Llui Address: EMAIL City: State: Zip: Phone #: Pax #: PRESERV. | BILL TO P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL City: State: Zip: Phone #: Preserv. Sampling PH 8015M | P.O. #  Company: Tetra Tech  Address: EMAIL  City:  State: Zip:  Phone #:  PRESERV. SAMPLING  H 8015M  EX 8021B  Joride SM4500CI-B         |
|                | Tetra Tech SMAIL Zip: Zip: SAMPI DATE  | ILL TO Tetra Tech SMAIL Zip: Zip: SAMPLING   | PH 8015M   | H 8015M<br>EX 8021B<br>Joride SM4500CI-B   |



| Company Name: Tetra Tech  Project Manager: Christian Llull  Address: 8911 Capital o Texas Hwy, Suite 2310  Address: 8911 Capital o Texas Hwy, Suite 2310  State: TX Zip: 78750  Project #: (512)565-0190  Project Owner: ConocoPhillips City:  Project Name: Big George State #3 Release  Project Location: Eddy County, New Mexico  Sampler Name: Colton Bickerstaff  MATRIX  PRESERV. SAMPLING | ### ##################################  | ### BILL TO  P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL  Oject Owner: ConocoPhillips City: State: Zip: Phone #: Phone #: PARESERV. SAMPLING  | ### PRESERV. SAMPLING  ANALYSIS  P.O. #:  Company: Tetra Tech  Company: Tetra Tech  Attn: Christian Llull  Address: EMAIL  City:  Phone #:  Phone #:  PRESERV. SAMPLING  ANALYSIS  ANALYSIS  | P.O. #:  Company: Tetra Tech  Attn: Christian Liull  Address: EMAIL  Oject Owner: ConocoPhillips City:  State: Zip:  Phone #:  Phone #:  PRESERV. SAMPLING  ANALYSIS  ANALYSIS   | P.O. #:  Company: Tetra Tech  Attn: Christian Liull  Address: EMAIL  Oject Owner: ConocoPhillips City:  State: Zip:  Phone #:  Phone #:  PRESERV. SAMPLING  ANALYSIS  ANALYSIS   | ### ### ##############################   | BILL TO   ANALYSIS   P.O. #:   Company: Tetra Tech   Attn: Christian Liuli   Address: EMAIL   Address: EMAIL   Phone #:   Phone #:   PRESERV.   SAMPLING   C. T. SAMPLING   C. T. Zip: 78750   Attn: Christian Liuli   Address: EMAIL   C. T. Zip: 78750   Attn: Christian Liuli   Address: EMAIL   C. T. Zip: Tex #:   C. T. Zip: T   |
|--|---|--|--|--|--|--|--|
| P.O. #:  Company: Tetra Tech  Attn: Christian Liull  Address: EMAIL  ConocoPhillips  City:  State: Zip:  Phone #:  Fax #:  Fax #:  Fig. Cool.  HER: SAMPLING   | RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER JOGE HER: ID/BASE: PRESERV. SAMPLING  PH 8015M  BTEX 8021B  | RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER JUDGE HER: PRESERV. SAMPLING  PH 8015M  BTEX 8021B  Chioride SM4500CI-B  | RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER L JOGE HER: PRESERV. PRESERV. SAMPLING  PH 8015M  BTEX 8021B  Chloride SM4500CI-B  | RAB OR (C)OMP. ONTAINERS DUNDWATER STEWATER L JOGE HER: PRESSERV. SAMPLING  PH 8015M  BTEX 8021B  Chloride SM4500CI-B  | RAB OR (C)OMP. ONTAINERS DUNDWATER STEWATER L JOGE HER: PRESSERV. SAMPLING  PH 8015M  BTEX 8021B  Chloride SM4500CI-B  | RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER L JOGE HER: PRESERV. State: Zip: Phone #: Fax #: STEX 8021B Chloride SM4500CI-B  | RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER L JOGE HER: PRESERV. State: Zip: Phone #: Fax #: STEX 8021B Chloride SM4500CI-B  |
| P.O. #:  Company: Tetra Tech  Address: EMAIL  City:  State: Zip:  Phone #:  PRESERV. SAMPLING  OTHER: SAMPLING  OTHER: DATE  TIME  | WASTEWATER SOIL SUUDGE OTHER: ACIO/BASSE: X COHER: DATE TIME  TPH 8015M  X BTEX 8021B   | WASTEWATER SOIL SUUDGE OTHER: ACID/BASE: Y COOL OTHER: DATE THE 8015M  X TPH 8015M  X BTEX 8021B  X Chloride SM4500CI-B  | WASTEWATER SOIL SILUDGE OTHER: ACIO/BASE: ACIO/BASE: X OTHER: | WASTEWATER SOIL SILUDGE OTHER: ACIO/BASE: ACIO/BASE: X OTHER: | WASTEWATER SOIL SILUDGE OTHER: ACIO/BASE: ACIO/BASE: X OTHER: | WASTEWATER SOIL SILUDGE OTHER: ACIO/BASE: ACIO/BASE: X OTHER: | WASTEWATER SOIL SILUDGE OTHER: ACIO/BASE: ACIO/BASE: X OTHER: |
| P.O. #: Company: Tetra Tech Attn: Christian Liuli Address: EMAIL City: State: Zip: Phone #: PRESERV. SAMPLING THE  | P.O. #: Company: Tetra Tech Address: EMAIL City: State: Zip: PRESERV. SAMPLING THER: PRESERV. SAMPLING BTEX 8021B   | PRODUCTION SAMPLING  PRESERV.  SAMPLING  FAX #: PRESERV.  FAX #: PRESE | POLY #:  Fax #:  PRESERV.  SAMPLING  FYRET BY THE PROPERTY AND THE PROPERT | POLY #:  Fax #:  PRESERV.  SAMPLING  FYRET BY THE PROPERTY AND THE PROPERT | POLY #:  Fax #:  PRESERV.  SAMPLING  FYRET BY THE PROPERTY AND THE PROPERT | POLY #:  Fax #:  PRESERV.  SAMPLING  FYRET BY THE PROPERTY AND THE PROPERT | POLY #:  Fax #:  PRESERV.  SAMPLING  FYRET BY THE PROPERTY AND THE PROPERT |
| P.O. #:  Company: Tetra Tech  Attn: Christian Llull  Address: EMAIL  City:  State: Zip:  Phone #:  Fax #:  PRESERV. SAMPLING  DATE TIME  | P.O. #: Company: Tetra Tech Address: EMAIL City: State: Zip: Phone #: PRESERV. SAMPLING TPH 8015M BTEX 8021B  | THER: CIO/BASE: CIO/BASE: CIO/BASE: CICHON CITY: Fax #: PRESERV. SAMPLING TPH 8015M BTEX 8021B Chloride SM4500CI-B   | THER: CID/BASE: CID/BASE: CID/COOL THER: DATE THER: PRESERV. SAMPLING TPH 8015M BTEX 8021B Chloride SM4500CI-B   | THER: COMPANY: Tetra Tech Company: Tetra Tech Address: EMAIL Clity: Clit | THER: COMPANY: Tetra Tech Company: Tetra Tech Address: EMAIL Clity: Clit | THER: CID/BASE: CID/BASE: CID/COOL THER: DATE THER: PRESERV. SAMPLING TPH 8015M BTEX 8021B Chloride SM4500CI-B   | THER: CID/BASE: CID/BASE: CID/COOL THER: DATE THER: PRESERV. SAMPLING TPH 8015M BTEX 8021B Chloride SM4500CI-B   |
| SAMPLING  TIME   | Man   Man | S   S   S   S   S   S   S   S   S   S  | ME SAMPLING  TPH 8015M  ** BTEX 8021B  ** Chloride SM4500CI-B  | × TPH 8015M × BTEX 8021B × Chloride SM4500CI-B   | ME SAMPLING  TPH 8015M  ** BTEX 8021B  ** Chloride SM4500CI-B  | ME SAMPLING  TPH 8015M  ** BTEX 8021B  ** Chloride SM4500CI-B  | ME SAMPLING  TPH 8015M  ** BTEX 8021B  ** Chloride SM4500CI-B  |
| SAMPLING TIME  | ME  | Max  | ME SME SME SME SME SME SME SME SME SME S   | × TPH 8015M × BTEX 8021B × Chloride SM4500CI-B   | ME SAMPLING  SAM | ME SME SME SME SME SME SME SME SME SME S   | ME SME SME SME SME SME SME SME SME SME S   |
| IME  | TPH 8015M  BTEX 8021B   | TPH 8015M  BTEX 8021B  Chloride SM4500CI-B   |
| TPH 8015M  | BTEX 8021B  | BTEX 8021B<br>Chloride SM4500CI-B  | BTEX 8021B  Chloride SM4500CI-B  | BTEX 8021B  Chloride SM4500CI-B  | BTEX 8021B  Chloride SM4500CI-B  | BTEX 8021B  Chloride SM4500CI-B  | BTEX 8021B  Chloride SM4500CI-B  |
|  |   | × Chloride SM4500CI-B  |



January 11, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/10/23 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 3 (0-1) (H230121-01)

BTEX 8021B

| DILX 6021D                           | ilig   | / Ng            | Allalyze   | u by. 311    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 85.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 95.0   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 3 (2-3) (H230121-02)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.2     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 98.9     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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Celeg D. Freene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 3 (3-4) (H230121-03)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.8     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 99.3     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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Celeg D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 3 (4-5) (H230121-04)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.4     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 104      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kune



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 3 (6-7) (H230121-05)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 111 9  | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 3 (8-9) (H230121-06)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.7     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 4 (0-1) (H230121-07)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7 5          |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 816    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | 35.4   | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 97.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 112 9  | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keine



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 4 (2-3) (H230121-08)

BTEX 8021B

|                                      |        |                 |            | <u> </u>     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 108    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 4 (3-4) (H230121-09)

BTEX 8021B

|                                      | <u> </u> |                 |                 | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023      | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023      | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023      | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023      | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125      | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0     | 16.0            | 01/11/2023      | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze         | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023      | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023      | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 121      | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 135      | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |          |                 |                 |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 4 (4-5) (H230121-10)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0     | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.8     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 104      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



01/10/2023

## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 4 (6-7) (H230121-11)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.89 | 94.4       | 2.00          | 9.15 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.09 | 105        | 2.00          | 8.42 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.05 | 102        | 2.00          | 8.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.31 | 105        | 6.00          | 8.20 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 122    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.4   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 95.6   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (0-1) (H230121-12)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 | ,            |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2080   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.5   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 90.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (2-3) (H230121-13)

BTEX 8021B

|                                      | <u> </u> |                 |            | · , - ,      |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/kg    |                 | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 144      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 82.5     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.0     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (3-4) (H230121-14)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 | ,            |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 912    | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 111 9  | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 124    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (4-5) (H230121-15)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 88.6     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 102      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (6-7) (H230121-16)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 5 (8-9) (H230121-17)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::,      |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 95.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 106    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (0-1) (H230121-18)

RTFY 8021R

| B1EX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 640    | 16.0            | 01/11/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | 82.8   | 10.0            | 01/11/2023      | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | 14.9   | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.3   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 114    | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (2-3) (H230121-19)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::,      |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.8   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 106    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (3-4) (H230121-20)

BTEX 8021B

|                                      | <u> </u> |                 |            | . , . ,      |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg       | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 204  | 102        | 200           | 1.24 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 191  | 95.4       | 200           | 5.44 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.7     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 106      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (4-5) (H230121-21)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 416  | 104        | 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            | 01/10/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/10/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/10/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 95.4     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (6-7) (H230121-22)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 98.5   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 111 9  | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (8-9) (H230121-23)

BTEX 8021B

|                                      | <u> </u> |                 |            | . , . ,      |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg       | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.5     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 102      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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Celey D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 6 (14-15) (H230121-24)

BTEX 8021B

|                                      | <u> </u> |                 |            | . , . ,      |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | < 0.050  | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg       | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0     | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 90.6     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 98.6     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (0-1) (H230121-28)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/11/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 84.8     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.6     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (2-3) (H230121-29)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9  | 6 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/11/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.5   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8               |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (3-4) (H230121-30)

BTEX 8021B

|                                      | 9,     | 9               | 7          | = 7. 5,      |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 87.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 95.0   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (4-5) (H230121-31)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 | ,            |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.0   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (7-8) (H230121-32)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 102    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 10 (9-10) (H230121-33)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108 %  | 6 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 100 %  | 6 49.1-14       | 8          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (0-1) (H230121-34)

| BTEX 8021B                           | mg/    | kg              | Analyzed By: JH/ |              |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed         | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023       | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023       | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023       | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023       | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023       | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9  | % 71.5-13       | 4                |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC  |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed         | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 240    | 16.0            | 01/11/2023       | ND           | 416  | 104        | 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*                          | <50.0  | 50.0            | 01/11/2023       | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 3400   | 50.0            | 01/11/2023       | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | 641    | 50.0            | 01/11/2023       | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.3   | % 48.2-13       | 4                |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 115 9  | % 49.1-14       | 8                |              |      |            |               |      |           |

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Celey D. Keene Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (2-3) (H230121-35)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 128    | 16.0            | 01/11/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 34.6   | 10.0            | 01/11/2023      | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.1   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 99.0   | % 49.1-14       | 8               |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (3-4) (H230121-36)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/11/2023 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 13.5   | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 104    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (4-5) (H230121-37)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | /kg             | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 11.7   | 10.0            | 01/11/2023      | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 90.3   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 101 9  | % 49.1-14       | 8               |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (6-7) (H230121-38)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 137    | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | 13.9   | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.8   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 109    | % 49.1-14       | 18         |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 21 (8-9) (H230121-39)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | 346    | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | 43.0   | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 84.8   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105    | % 49.1-14       | 18         |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 21 (14-15) (H230121-40)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 201  | 100        | 200           | 1.34 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 211  | 106        | 200           | 1.47 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 84.8   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.8   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 22 (0-1) (H230121-41)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH/    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9  | 6 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 5600   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | 171    | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | 36.0   | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 97.5   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 22 (2-3) (H230121-42)

BTEX 8021B

| DILX GOZID                           | 11197  | - Kg            | Allulyzo   | .u Dy. 3117  |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 5360   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | 29.2   | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 88.5   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 96.5   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 22 (3-4) (H230121-43)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.97 | 98.5       | 2.00          | 11.8 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.02 | 101        | 2.00          | 10.6 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 10.5 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.17 | 103        | 6.00          | 10.1 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 107      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 480      | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 75.7     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 83.5     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 22 (6-7) (H230121-44)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 22 (8-9) (H230121-45)

BTEX 8021B

|                                      | <u> </u> | <u> </u>        |            | · , · ,      |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115      | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-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            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.5     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 102      | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 22 (14-15) (H230121-46)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.98 | 98.9       | 2.00          | 7.29 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.03 | 102        | 2.00          | 6.53 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.01 | 100        | 2.00          | 7.48 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.21 | 103        | 6.00          | 7.56 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/11/2023 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 181  | 90.3       | 200           | 8.37 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 175  | 87.7       | 200           | 9.98 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 90.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 98.9   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



# **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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Celeg D. Freene



| (575) 393-2326 FAX (575) 393-2470   | (575) 383-2326 FAX (3/3) 333-2770  | BILL TO   | ANAL  | ANALIGIO   |
|---|--|---|---|--|
| Ollipany manage   |  | P.O.#:  |   |  |
| Project Manager: Christian Llull  |  | Company: Tetra Tech   |   |  |
| Address: 8911 Capital o Texas Hwy, Suite 2310   | 1  | Attn: Christian Llull   |   |  |
|   | State: IX ZIP: rorse   | Address: EMAIL  |   |  |
| Phone #: (512)565-0190 Fax #:   |  | _   |   |  |
| Project #: 212C-MD-02933, Task 110 Project Owner:   | 0 Project Owner: ConocoPnilips   | -   | В   |  |
| ame: Big  |  |   | 1-1   |  |
| Broint I coation: Eddy County, New Mexico   | 20   | Phone #:  | oc oc   |  |
| Toject Location, Local Committee  |  | Fax#:   | 500   |  |
| Sampler Name: Colton Bickerstaff  | MATRIX   | PRESERV. SAMPLING   |   |  |
| Lab I.D.  | R  |   | 3021E   |  |
| Sample I.D.   | PRAB OR (C)C<br>CONTAINERS<br>ROUNDWATE<br>ASTEWATER<br>DIL  | THER: CID/BASE: DE / COOL OTHER:  | TPH 80 BTEX 8   |  |
| 2000  | - #<br>G<br>X  | X   | +   |  |
| BH-3 (0-1)  |  | X 1/10/2023   | X X X   |  |
| ) BH-3 (2-3)  | -  |   | X X X   |  |
| BH-3 (3-4)  | -  | 1   | X X X   |  |
| BH-3 (4-5)  | -  | I   | ×   |  |
| ,   | -  |   | x x x   |  |
| BH-3 (8-9)  | -  | X 1/10/2023   | X X X   |  |
| 5 BH-4 (0-1)  | G I  | I   | X X X   |  |
| BH-4 (2-3)  |  |   | x x x   |  |
| 9 BH4 (3-4)   | X >  |   | X X X   | and the deemed valued unless made in writing and received by Cardinal within 30 days after |
| BH-4 (4-5)  BH-4 (4-5)  | ere unmary to any starm arrang whether based in costnect or too, wast to limited to the amount paid by the client in the a<br>bear property or any starm arrang whether based in costnect or too, wast to limited to the amount paid by client, its subjusticants            | the amount paid by the client for the prodysess. All claims to incurred by client, its subjectionies, | s including these for negligence and any own values in second |  |
| event shall Cardinal be liable for incidental or consequential damages,<br>suffiliates or successors entiting out of or related to the performance of | eart shall Cardnel he liable for incidental or compatents damages, research recording regardless of whether such claim is based upon any of the above season services beneather by Cardnel, regardless of whether such claim is based upon any of the above season services. | on any of the above season reservoirs or any  | Verbal Result: ☐ Yes ☐ No                                     | Add'l Phone #:   |
| Relinquished By: Colton Bickerstaff   | Date: 1/10/23 Received By:   | riment.   | All Results are emailed. Please provide Email address:        | e Email address:   |
| Relinquished By:  | Date: Received By:   | C   |   | index sanata Condition   |
| Delivered By: (Circle One)  | Observed Temp. *C 3 Q Sample Condition   | ndition CHECKED BY:   | Turnaround Tens. Cool Intact Observed Temp.                   | ď  |
| Sampler - UPS - Bus - Other:  | S  | ~^  | C D   |  |



|   |  | No.   |                                 |                        |   |
|---|--|---|---------------------------------|------------------------|---|
| Company Name: Tetra Tech  |  |   | -                               | -                      |   |
| Project Manager: Christian Liuli  |  | P.O. m.   |                                 |                        |   |
| wy, Suite 2310  |  | Atta: Christian Llull   |                                 | _                      |   |
| ×   | Zip: 78750   | Address: EMAIL  |                                 |                        |   |
| Phone #: (512)565-0190 Fax #:   |  | -   |                                 |                        |   |
|   | ner: ConocoPhillips  | State: Zip:   |                                 | 3                      |   |
| ame: Big  |  |   |                                 | I-I                    |   |
| Project Location: Eddy County, New Mexico   |  | Phone *.  |                                 | 0C                     |   |
| Toject Location. Local Security   |  | Fax #:  |                                 | 500                    |   |
| Sampler Name: Colton Bickerstaff  | MATRIX   | PRESERV. SAMPLING   |                                 | _                      |   |
| Lab I.D.  | R  |   | 15M                             |                        |   |
| Sample I.D.   | PRAB OR (C)C<br>CONTAINERS<br>ROUNDWATE<br>ASTEWATER<br>DIL  | THER: CID/BASE: DE / COOL OTHER:  | TPH 80                          | Chlorid                |   |
| H330/2  | # G  | X   | ×                               | +                      |   |
| BH-4 (6-7)  |  |   | X                               | X                      |   |
| 3 BH-5 (0-1)  | -  | X 1/10/2023   | Х                               | ××                     |   |
| 3 BH-5 (2-3)  | -  | X 1/10/2023   | ×                               | XX                     |   |
|   | GI   | I   | X                               | XX                     |   |
|   | -  | 1   | ×                               | X                      |   |
|   | -  | Y 1/10/2023   | ×                               | XX                     |   |
|   | -  | X 1/10/2023   | X                               | X                      |   |
| Ø BH-6 (0-1)  | -  |   | X                               | XX                     |   |
| 16 BH-6 (2-3)   | G I  |   |                                 | X                      | be deemed waited unless made in writing and received by Cardinal within 30 days after |
| AD BH-6 (3-4)  BH-6 (3-4)  BH-6 (3-4)   | rang whether based in contract or but, what be limited to the an-  | amoust paid by the disert for the analyses. All claims bourned by client, its subsidiaries, | including those for negogenos   |                        |   |
| eant shall Cardinal be Sacke for incidential or consequential damages, income y memory Cardinal, regardless of whether such claim is based upon any or as economics and second or or related to the performance of services betweether by Cardinal, regardless of whether such claim is based upon any or as economics. | ardinal, regardless of whether such claim is based upo   | U SAÁ EL ES SONE SANOS ES SANOS   | Verbal Result: Yes No Add'l Pho | S U No                 | Add'l Phone #:  |
| Relinquished By: Colton Bickerstaff Date: 1/10/23   | 70/23 Received By:   | Sures   | All Results are emailed         | . Please provide Email | aggress.  |
| Date:   | Received By:   | 0   | REMARKS:                        |                        |   |
| Relinquished by:  |  |   | Torranged Time: Standard        | Bacteria (only) Sa     | ngle Condision  |
| Delivered By: (Circle One)  Sampler - UPS - Bus - Other:  Corrected Temp. *C  | p.°C 3.7 Sample Condition p.°C 3.7 Cool Injust S. 3 Cool Injust You S. 3 Cool Injust No. 10 N | dition CHECKED BY:  | 9 8                             | 0.0                    | □ Vee □ Vee □ Ne □ Connected Temp ©   |



|  | (575) 393-2326 FAX (575) 393-2476  | BILL TO                                    | ANALYSIS  |   |
|--|--|--|---|---|
| Company Name: letta lecil  |  | P.O. #:                                    |   |   |
| Project Manager: Christian Llull   |  | Company: Tetra Tech                        |   |   |
| wy, Suite  |  | Attn: Christian Llull                      |   |   |
|  | 6: 1>  | Address: EMAIL                             |   |   |
|  |  | Olfo-                                      |   |   |
|  | Project Owner: ConocoPhillips  | State: Zip:                                | В   |   |
| ame: Big   |  |  | 1-1   |   |
| Toject Name and Orest Maylo  | 5  | Phone #:                                   | oc -  |   |
| Project Location: Eddy County, New Mexico  | 8  | Fax#:                                      | 500   |   |
| Sampler Name: Colton Bickerstaff   | Aldavin  | PRESERV. SAMPLING                          |   |   |
| ON THE OWN   | MAINIX   | +  | M<br>21B  |   |
| Lab I.D. Sample I.D.   | )RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER OIL IL LUDGE   | OTHER:<br>CID/BASE:<br>CE / COOL<br>OTHER: | TPH 8015M<br>BTEX 8021<br>Chloride S                          |   |
| HB30/al BH6 (4-5)  | 1 #<br>G<br>X  | (X   | X X X X   |   |
| BH-6 (6-7)   | G 1 X  | 1  | ×   |   |
| BH-6 (8-9)   | G 1 X  | X 1/10/2023                                | ×   |   |
| ľ  | G 1 X  |  | * * *   |   |
|  |  |  | * * *   |   |
| 811-6 (24-25)  |  | V V  | * * *   |   |
|  | 0 1 ×  | V 1/10/2023                                | X X X   |   |
|  | =  | X 1/10/2023                                | x x x   |   |
| BH-10(2-3)   | G I  | 1/10/2023                                  | X   | named walved unless made in setting and received by Cardinal within 30 days after |
| BH-10 (3-4)  BH-10 (3-4)   | BH-10 (3-4)  BH-10 | alyses. All claims<br>or otherwise.        | including those for negligence and any once usawe executions. |   |
| event shall Cardinal be Sable for incidental or consequentia damages, resource y an additional repairs at liables or successors arising out of or related to the performance of services hersunder by Cardinal, repairs at liables or successors arising out of or related to the performance of services hersunder by Cardinal, repairs | envices hereunder by Cardinal, regardless of whether such claim is based upon any or an environ-   |  |   | Add'l Phone #:  |
| Relinquished By: Colton Bickerstaff  | Date: 1/10/23 Received By:   | 2005                                       | Please provide  |   |
| Relinquished By:   | Date: Received By:   | C  | REMARKS:  |   |
|  | )  | 2  | Standard  | e Condition   |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other:  | Conrected Temp. 'C 3, 9, Cool Induct Cool Cool Induct Cool Cool Induct Cool In |  | Thermometer ID #113 Correction Factor-403°C - O. (0 C         | □ Ves□ Ves □ No □ No Consciss Temp. 'C  |



| Bit   21 (4-15)   G   1   X | Relinquished By:                            | B B B B B B B B B B B B B B B B B B B | Relinquished By: Co | B B B B B B B B B B B B B B B B B B B      | 59 B  | 8 B  | 3   | 200         |             | 310 BI      |             | 34 BI       | 53 BI        | 38 BI       | 3) BI       | 2000      | Company Name: retra recui Project Manager: Christian Llull Address: 8911 Capital o Texas Hwy, City: Austin Phone #: (512)565-0190 Project #: 212C-MD-02933, Project Name: Big George State #3 Project Location: Eddy County, Nev Sampler Name: Colton Bickerstaff France Colton Bickerstaff Lab I.D. Samp  | Total Total |  |
|-----------------------------|---|---------------------------------------|---------------------|--|---|--|---|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-----------|--|-------------|--|
| 1,00                        |   |                                       | 11                  | Iton-Bickerstaff                           | idental or consequental damages, including or related to the performance of services. | BH-21 (14-15) age. Cardinata ledita and dienta exclusive   | BH-21 (8-9)   | BH-21 (6-7) | BH-21 (4-5) | BH-21 (3-4) | BH-21 (2-3) | BH-21 (0-1) | BH-10 (9-10) | BH-10 (7-8) | BH-10 (4-5) |           | Company Name: Tetra Tech Project Manager: Christian Llull Address: 8911 Capital o Texas Hwy, Suite 2310 Address: 8911 Capital o Texas Hwy, Suite 2310 State: TX Zip: Phone #: (512)565-0190 Fax #: Project #: 212C-MD-02933, Task 110 Project Owner: Project Name: Big George State #3 Release Project Location: Eddy County, New Mexico Sampler Name: Colton Bickerstaff FRAMERICALY Lab I.D.  Sample I.D.  Sample I.D. |             | 101 East Marland   |
| ó                           | Observed Temp. °C 2. Corrected Temp. °C 2.  | Time:                                 | 08                  | Date: 1/10/23                              | cas herounder by Cardinal, regards  | remary for any claim arraing whether he                    |   |             |             |             |             |             |              |             |             |           | Project Owner:   | 100         | 101 East Marland, Hobbs, NM 88240<br>(575) 393-2326 FAX (575) 393-2476 |
| i                           | in is                                       |                                       | Received By:        | Received By:                               | ess of whether s  | sed in certact o   | G -   |             |             |             | 1 -         |             | 1 .          | 0 0         | G 1         | -         | # CONTAINERS   |             | 0, 0   |
|                             | Cool Injact                                 |                                       | By:                 | 200  | uch claim is based upon   | tor, shall be limited to the of use, or loss of profits it | ×   | ×           | ×           | V ;         | x ;         | ×           | ×            | ×           | ×           | ×         | GROUNDWATER WASTEWATER SOIL OIL SLUDGE   |             |  |
|                             | 100   |                                       |                     | 8  | any of the above  | amount paid by t<br>noursed by clier                       | -   | +           | +           | +           | +           | +           |              | +           |             |           |  |             |  |
|                             | S) = {                                      | CHEC                                  |                     | 8  | e stated reason   | e clark for the  | ×   | ×           | ×           | ×           | ×           | ×           | ×            | X           | ×           | X         | ICE / COOL SERV. #:  | BILL        | 1  |
|                             | (Initials)                                  | CHECKED BY:                           |                     | 7  | -   | analyses. All claims                                       | 1/10/2023   | 1/10/2023   | 1/10/2023   | 1/10/2023   | 1/10/2023   | 1/10/2023   | 1/10/2023    | 1/10/2023   | 1/10/2023   | 1/10/2023 | ZIp:  SAMPLING SAMPLING  | 70          |  |
|                             | Thermometer ID #113 Correction Factor—9/5°C | Turnaround Time:                      | REMARKS:            | All Results                                | Verbal Res  | s. Including those for natingle we also any                |   |             |             |             |             |             |              |             |             |           | TIME   |             | 83   |
|                             | cool Infact<br>Her ID #113<br>Factor 9,8*C  |                                       |                     | are emai                                   | ult:  | - seafaffers   | ×   | ×           | ×           | ×           | ×           | ×           | ×            | ×           | ×           | ×         | TPH 8015M  |             |  |
|                             | 1 4   | Standard                              |                     | led. Plea                                  | Yes   |  | ×   | ×           | ×           | ×           | ×           | ×           | ×            | ×           | ×           | >         |  |             |  |
|                             | O. 6  |                                       |                     | All Results are emailed. Please provide Em | No  |  | X X   | ×           | ×           | ×           | ×           | ×           | ×            | ×           | ×           | * >       | Chloride SM4500CI-B  | ANALTOIS    | NAI VSI  |
|                             | 00  | Bacteria (only) Sample Condition      |                     | all address:                               | Add'l Phone #:  |  | anali he deemed waived                                | +           | +           | -           | +           | +           | +            | +           | +           | +         |  | O NEWO      | S REQUEST  |
|                             |   |                                       |                     |  | 16 At   |  | med valved unless made in                             | +           | +           | +           | +           | +           | +            | +           | +           | +         |  | 1           | TS   |
|                             | Corrected Temp. 'C                          |                                       |                     |  |   |  | with and re   | 1           | 1           | 1           | 1           | 1           | 1            | 1           | 1           |           |  | -           |  |
|                             | d   |                                       |                     |  |   |  | celved by Card  | 1           | 1           | 1           | 1           | +           | 1            | -           | -           | _         |  | 1           |  |
|                             |   |                                       |                     |  |   |  | writing and received by Cardinal within 30 days often | +           | +           | +           | +           | +           | +            | -           | +           |           |  | 1           |  |
|                             |   |                                       |                     |  |   |  | lays after  | 1           | 4           | 4           | 4           | 4           | 4            | _           |             |           |  |             |  |



| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other | Relinquished By:                 | Relinquished o | Della vished R                              | In the event shall Cardinal b  | pur Appen : Ston avea to   |   | die           | 45          | hh hh       | 43          | To to        | 14           | Daywal      | ラススコー          | Lab I.D.                                   | Sampler Name: Colton Bickerstan | Project Location: 1                       | Project Name: Big                         | Project #: 2                           | Phone #: (   | City: Austin   | Address: 8911 Capital o Texas Hwy. | Project Manager: Christian Llull | Company Name: Tetra Tech |                                   |
|---|----------------------------------|----------------|---|--|--|---|---------------|-------------|-------------|-------------|--------------|--------------|-------------|----------------|--|---------------------------------|---|---|--|--|----------------|------------------------------------|----------------------------------|--------------------------|-----------------------------------|
| Bus - Other:  | Å:                               | M              | Parished Ry: Colton Biokerstaff             | e liable for incidental or consequental derray<br>ing out of or related to the performance of se | e sear scrift. Liabily and Cornigen. Cardwish lability and client's exclusive writered for any claim aroung writers below to method or by, shall as include the amount point by near slate, about a relative writered for any claim, as well excluded the cornect of points and control or any claim aroung writered for any claim aroung writers below to believe their copiesse, beat of such as of some stated is associated with |   | BH-22 (14-15) | BH-22 (8-9) | BH-22 (0-1) | BH-22 (5-4) | DIT-22 (2-5) | DII-22 (0.1) | BH-22 (0-1) |                | Sample I.D.                                | Iton Bickerstair                | Project Location: Eddy County, New Mexico | Project Name: Big George State #3 Release | 212C-MD-02933, Task 110 Project Owner. | (512)565-0190 Fax m.   |                | Suite                              |                                  | tra Tech                 |                                   |
| Corrected Temp. C 3.9 C                                   |                                  | Fime: (10 24   | Date: 1/10/23 Re                            | rvices hereunder by Cardinal, regardless   | re remedy for any claim arraing whether be-  |   |               | 9           | G           | G           | G            | G            | G           |                | RAB OR (C)OMP.                             |                                 |   |   | Project Owner.                         | The Country of the Co | 9              | ts: TX Zip: 78750                  |                                  |                          | (575) 393-2326 FAX (575) 393-2476 |
|   | Received By:                     | DEPOPE OF      | Received By:                                | of whether such claim is based upon  | ed in contract or for, shall be limited to the<br>interruptions, loss of use, or loss of pr  |   |               | 1 X         | X           | 1 X         | 1 X          | 1 X          | 1 X         | GR<br>WA<br>SO | CONTAINERS COUNDWATER ASTEWATER DIL L UDGE | MATRIX                          |   |   | _                                      | ConocoPhillips   |                |                                    |                                  |                          |                                   |
| - D   | CHECKED BY:                      | Men            |   | any or any or any  | e amount paid by the client for the landysen. The collis incurred by client, its subsidiaries.   |   | +             | X 1/10/2023 | X 1/10/2023 | L           |              | 1            | 1           | 4 10           | THER: CID/BASE: EE/COOL THER:              | PRESERV. SAM                    | Fax#:                                     | Phone #:                                  | State: Zip:                            | City:  | Address: EMAIL | Attn: Christian Llull              | Company: Tetra Tech              | P.O.#                    | BILL TO                           |
| Thermometer ID #113 Correction Factor 415 C               | Turnatourid Time:                | REMARKS:       | All Results are emailed. Please provide Ema | Verbal Result:   |  | All claims trokedby those for reg               | +             | ×           | -           | × ;         | ×            | ×            | ×           |                | TPH 8015M                                  | SAMPLING                        |   |   |  |  |                |                                    |                                  |                          |                                   |
| Obser   | Standard   Bacte                 |                | ailed. Please prov                          | □ Yes □ No   |  | figence and any other cause                     |               | >           | +           | +           | XX           | X            | XX          | XX             | BTEX 80211<br>Chloride SM                  |                                 | 500                                       | CI  | -B                                     | _  |                |                                    |                                  |                          | ANA                               |
| C   | Bacteria (orb)) Sample Condition |                | ide Email address:                          | Add'I Phone #:   |  | whatsoever shall be deemed valled unless or     |               |             |             |             |              |              |             |                |  |                                 |   |   |  |  |                |                                    |                                  |                          | ANALYSIS KEWDES!                  |
| Corrected Temp. 'C  |                                  |                |   |  |  | made in writing and received by Cardinal within | -             |             |             |             | -            | +            | -           | +              |  |                                 | _   |   | _                                      |  |                |                                    |                                  |                          | -                                 |



January 12, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/23 11:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

\*\* (See Notes) Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY, NEW MEXICO

# Sample ID: AH - 1 (0-1') (H230145-01)

| BTEX 8021B                           | mg/    | /kg             | Analyze    | d By: JH     |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9  | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyze    | d By: AC     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 0.00   |           |
| 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            | 01/11/2023 | ND           | 172  | 85.8       | 200           | 7.56   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 172  | 85.9       | 200           | 10.8   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 97.8   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8          |              |      |            |               |        |           |

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

# Sample ID: AH - 2 (0-1') (H230145-02)

BTEX 8021B

| DILX GOZID                           | 11197  | ng .            | Alldiyzo   | .u by. 511   |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 16.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 0.00   |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 172  | 85.8       | 200           | 7.56   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 172  | 85.9       | 200           | 10.8   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 91.8   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 103    | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: Sampling Type: 01/12/2023 Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY, NEW MEXICO

# Sample ID: AH - 3 (0-1') (H230145-03)

| BTEX 8021B                           | mg/    | /kg             | Analyzed By: JH |              |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9  | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | <16.0  | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023      | ND           | 172  | 85.8       | 200           | 7.56   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 172  | 85.9       | 200           | 10.8   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 90.3   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8               |              |      |            |               |        |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: Sampling Type: 01/12/2023 Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY, NEW MEXICO

# Sample ID: AH - 4 (0-1') (H230145-04)

| BTEX 8021B                           | mg/    | kg              | Analyzed By: JH |              |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9  | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | <16.0  | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023      | ND           | 172  | 85.8       | 200           | 7.56   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 172  | 85.9       | 200           | 10.8   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 90.5   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8               |              |      |            |               |        |           |

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# Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023
Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

#### Sample ID: AH - 5 (0-1') (H230145-05)

BTEX 8021B

| DILX GOZID                           | ıııg,  | ng .            | Alldiyzo   | .u by. 511   |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9  | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg/    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 193  | 96.6       | 200           | 6.62   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 185  | 92.6       | 200           | 7.76   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 86.9   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 88.9   | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023
Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

#### Sample ID: AH - 6 (0-1') (H230145-06)

BTEX 8021B

| DIEX GOZID                           | 11197  | - Kg            | Allulyzo   | .u by. 511   |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 193  | 96.6       | 200           | 6.62   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 185  | 92.6       | 200           | 7.76   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 89.6   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 91.4   | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

#### Sample ID: AH - 7 (0-1') (H230145-07)

BTEX 8021B

| DILX GOZID                           | ıııg,  | ng .            | Alldiyzo   | .u by. 511   |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124 9  | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 288    | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg/    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 193  | 96.6       | 200           | 6.62   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 185  | 92.6       | 200           | 7.76   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 87.6   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 89.6   | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA COUNTY, NEW MEXICO

#### Sample ID: AH - 8 (0-1') (H230145-08)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 320    | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 178  | 88.9       | 200           | 7.34   |           |
| DRO >C10-C28*                        | 76.2   | 10.0            | 01/11/2023 | ND           | 185  | 92.4       | 200           | 8.29   |           |
| EXT DRO >C28-C36                     | 20.0   | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 88.8   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 93.6   | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

Cardinal Laboratories \*=Accredited Analyte

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# **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

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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Hold

Released to Imaging: 7/3/2024 1:52:04 PM



January 12, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/23 11:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\*(

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 1 (0-1) (H230146-01)

BTEX 8021B

| BIEV 9051B                           | ilig   | ky              | Allalyze   | и ву: эп     |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 122    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 464    | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 178  | 88.9       | 200           | 7.34   |           |
| DRO >C10-C28*                        | 893    | 10.0            | 01/11/2023 | ND           | 185  | 92.4       | 200           | 8.29   |           |
| EXT DRO >C28-C36                     | 273    | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 90.5   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 114    | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (2-3) (H230146-02)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |        |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124      | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |        |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg       | /kg             | Analyze    | d By: MS     |      |            |               |        |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/11/2023 | ND           | 178  | 88.9       | 200           | 7.34   |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 185  | 92.4       | 200           | 8.29   |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 87.8     | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 90.4     | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |          |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (3-4) (H230146-03)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 123    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 178  | 88.9       | 200           | 7.34   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 185  | 92.4       | 200           | 8.29   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 94.1   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 95.8   | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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# Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (4-5) (H230146-04)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 92.0   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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Celeg D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (6-7) (H230146-05)

RTFY 8021R

| 2.00<br>2.00<br>2.00<br>2.00<br>6.00 | RPD<br>0.317<br>0.420<br>0.304<br>0.0492 | Qualifier |
|--------------------------------------|--|-----------|
| 2.00<br>2.00                         | 0.420<br>0.304                           |           |
| 2.00                                 | 0.304                                    |           |
|                                      |  |           |
| 6.00                                 | 0.0492                                   |           |
|                                      |  |           |
|                                      |  |           |
|                                      |  |           |
|                                      |  |           |
| True Value QC                        | RPD                                      | Qualifier |
| 400                                  | 3.64                                     |           |
|                                      |  |           |
| True Value QC                        | RPD                                      | Qualifier |
| 200                                  | 2.87                                     |           |
| 200                                  | 11.1                                     |           |
|                                      |  |           |
|                                      |  |           |
|                                      |  |           |
|                                      | 200                                      | 200 2.87  |

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (8-9) (H230146-06)

BTEX 8021B

|                                      | 9,     | 9               | 7               | 7: 5::       |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| 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            | 01/11/2023      | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 93.0   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 103    | % 49.1-14       | 8               |              |      |            |               |        |           |
|                                      |        |                 |                 |              |      |            |               |        |           |

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition:

\*\* (See Notes) Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (14-15) (H230146-07)

| BTEX 8021B                           | mg/kg  |                 | Analyzed By: JH |              |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125 9  | 71.5-13         | 4               |              |      |            |               |        |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| 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            | 01/11/2023      | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 94.2   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 108 9  | % 49.1-14       | 8               |              |      |            |               |        |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (19-20) (H230146-08)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720      | ,            |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze         | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 160    | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| 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            | 01/11/2023      | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 90.0   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 104    | % 49.1-14       | 8               |              |      |            |               |        |           |
|                                      |        |                 |                 |              |      |            |               |        |           |

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: Sampling Type: 01/12/2023 Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 1 (24-25) (H230146-09)

| BTEX 8021B                           | mg/kg   |                 | Analyzed By: JH |              |         |            |               |        |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|---------|------------|---------------|--------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS % Re | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/11/2023      | ND           | 1.99    | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | < 0.050 | 0.050           | 01/11/2023      | ND           | 2.17    | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 01/11/2023      | ND           | 2.12    | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/11/2023      | ND           | 6.61    | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300  | 0.300           | 01/11/2023      | ND           |         |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125 %   | 71.5-13         | 4               |              |         |            |               |        |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyzed By: AC |              |         |            |               |        |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS      | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 80.0    | 16.0            | 01/12/2023      | ND           | 432     | 108        | 400           | 3.64   |           |
| 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            | 01/11/2023      | ND           | 184     | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/11/2023      | ND           | 180     | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/11/2023      | ND           |         |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 92.8 9  | % 48.2-13       | 4               |              |         |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 106 %   | % 49.1-14       | 8               |              |         |            |               |        |           |

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 2 (0-1) (H230146-10)

BTEX 8021B

|                                      | 9,     | 9               | 7               | 7: :         |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 125    | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 208    | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| 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            | 01/11/2023      | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 90.5   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 103    | % 49.1-14       | 8               |              |      |            |               |        |           |
|                                      |        |                 |                 |              |      |            |               |        |           |

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# Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 2 (2-3) (H230146-11)

RTFY 8021R

| BIEX 8021B                           | тд/кд  |                 | Analyzed By: JH |              |      |            |               |        |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4               |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 208    | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64   |           |
| 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            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023      | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 95.7   | % 48.2-13       | 4               |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 109    | % 49.1-14       | 8               |              |      |            |               |        |           |
|                                      |        |                 |                 |              |      |            |               |        |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (3-4) (H230146-12)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 1.99 | 99.3       | 2.00          | 0.317  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.17 | 108        | 2.00          | 0.420  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.12 | 106        | 2.00          | 0.304  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.61 | 110        | 6.00          | 0.0492 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |        |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 208    | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64   |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 91.5   | % 48.2-13       | 4          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 102    | % 49.1-14       | 8          |              |      |            |               |        |           |
|                                      |        |                 |            |              |      |            |               |        |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Tamara Oldaker 212C -MD - 02933, TASK 110 Sample Received By:

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (4-5) (H230146-13)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/12/2023 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.3   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 103    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (6-7) (H230146-14)

BTEX 8021B

|                                      | <u> </u> |                 |                 |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111      | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/12/2023      | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg       | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 89.0     | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 99.7     | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |          |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (8-9) (H230146-15)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 99.4   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 112    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (14-15) (H230146-16)

RTFY 8021R

| B1EX 8021B                           | mg     | / <b>kg</b>     | Anaiyze         | ea By: JH/   |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg     | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/12/2023      | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg     | /kg             | Analyze         | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 104    | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 116    | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 2 (19-20) (H230146-17)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 107    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 104    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 117    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (24-25) (H230146-18)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 128    | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 97.4   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (0-1) (H230146-19)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 97.8     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 109      | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (2-3) (H230146-20)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 208    | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.6   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 97.3   | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (3-4) (H230146-21)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 107      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 99.4     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 111 9    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (4-5) (H230146-22)

RTFY 8021R

| B1EX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/12/2023      | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023      | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 88.9   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 102    | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (6-7) (H230146-23)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 107      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/kg    |                 | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/12/2023 | ND           | 184  | 92.1       | 200           | 2.87  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023 | ND           | 180  | 90.0       | 200           | 11.1  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 98.9     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 113      | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (8-9) (H230146-24)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 107    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 88.4   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 97.0   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (14-15) (H230146-25)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 128    | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93.0   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 7 (19-20) (H230146-26)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 304    | 16.0            | 01/12/2023 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 94.9   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 104    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (24-25) (H230146-27)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9  | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 112    | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 95.7   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 107 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (29-30) (H230146-28)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0     | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93.8     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 104      | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (0-1) (H230146-29)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | 132    | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | 73.5   | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 85.7   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 113    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (2-3) (H230146-30)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 128    | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | 10.7   | 10.0            | 01/11/2023      | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | 11.4   | 10.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 95.4   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 106    | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (3-4) (H230146-31)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 1 1 ,        |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 109    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 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            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 83.6   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 92.0   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (4-5) (H230146-32)

RTFY 8021R

| B1EX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH/    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.11 | 106        | 2.00          | 1.63  |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023      | ND           | 2.20 | 110        | 2.00          | 0.172 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023      | ND           | 2.21 | 111        | 2.00          | 1.39  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023      | ND           | 6.67 | 111        | 6.00          | 2.35  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108    | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/12/2023      | ND           | 416  | 104        | 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            | 01/11/2023      | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023      | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.5   | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 96.5   | % 49.1-14       | 8               |              |      |            |               |       |           |
|                                      |        |                 |                 |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (6-7) (H230146-33)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.8   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (8-9) (H230146-34)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/12/2023 | ND           | 416  | 104        | 400           | 3.77  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.3   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 8 (14-15) (H230146-35)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 176    | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/11/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/11/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 90.0   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 99.2   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 8 (19-20) (H230146-36)

BTEX 8021B

|                                      |        | 9               | 7          | 7: 5::.,     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 304    | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.4   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 100    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (24-25) (H230146-37)

BTEX 8021B

|                                      |        | 9               | 7          | 1            |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 176    | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 86.0   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 94.0   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (0-1) (H230146-38)

| BTEX 8021B                           | kg     | Analyze         | d By: JH/  |              |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 119 9  | 71.5-13         | 4          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 608    | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | 168    | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | 27.3   | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93.4   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 119 9  | % 49.1-14       | 8          |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (2-3) (H230146-39)

RTFY 8021R

| TEX 8021B mg/kg                      |                        | /кд             | Anaiyze    | a By: JH/    |      |            |               |       |           |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result Reporting Limit |                 | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050                 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050                 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050                 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150                 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300                 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116                    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,                    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result                 | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 176                    | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0                  | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0                  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.1                   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101                    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |                        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (3-4) (H230146-40)

BTEX 8021B

|                                      |        | 7               | 1          |              |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 117    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.0   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (4-5) (H230146-41)

BTEX 8021B

|                                      | <u> </u> |                 |            | . , . ,      |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0     | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 112 9    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 122      | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (6-7) (H230146-42)

BTEX 8021B

| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300 | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 116    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.2   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 101    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (8-9) (H230146-43)

BTEX 8021B

|                                      | <u> </u> |                 |            | · , · ,      |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0     | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| TPH 8015M                            | mg,      | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0    | 10.0            | 01/12/2023 | ND           | 197  | 98.4       | 200           | 6.91  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/12/2023 | ND           | 188  | 94.1       | 200           | 15.8  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/12/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 85.7     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 93.8     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 9 (14-15) (H230146-44)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.06 | 103        | 2.00          | 0.788 |           |
| Toluene*                             | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 107        | 2.00          | 1.17  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/11/2023 | ND           | 2.15 | 108        | 2.00          | 1.46  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/11/2023 | ND           | 6.70 | 112        | 6.00          | 2.34  |           |
| Total BTEX                           | <0.300   | 0.300           | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113      | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0     | 16.0            | 01/12/2023 | ND           | 448  | 112        | 400           | 0.00  |           |
| 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            | 01/11/2023 | ND           | 181  | 90.6       | 200           | 8.02  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/11/2023 | ND           | 192  | 96.0       | 200           | 11.8  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/11/2023 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.9     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 93.7     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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### **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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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Tetra Tech Project Manager: Christian Llull Address: 8911 Capital o Texas F City: Austin Phone #: (512)565-0190 Phone #: 212C-MD-029 Project Name: Big George State Project Location: Eddy County  |  | 101 East Marland, Hobbs, NM 88240 (575) 393-2476 (5 | ConocoPhillips  | BILL TO P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL City: State: Zip: Phone #:                             |  |             |  | ANALYSIS   |
|--|--|--|---|---|--|-------------|--|--|
| Project Location: Eddy County, No.   | dy County, New Mexico<br>on Bickerstaff                    |  |   | RV.   | SAMPLING   |             | _  |  |
| Lab I.D.   |  | _  |   |   |  |             |  | 8021B  |
|  | Sample I.D.  | RAB OR (C)(  |   | THER :<br>CID/BASE:<br>EE / COOL<br>THER :  | DATE TIME  |             | TPH 80                                     | TPH 80   |
| エンなく三人   |  |  | W SC  | XX  | 1/11/2023  |             | ×  | ×  |
| The state of the s | BH-1 (0-1)   | G  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   |   | 1/11/2023  |             | X  | ×  |
| 2  | BH-1 (2-3)   | 0 4  | ×   |   | //11/2023  | 1           | +  | ×  |
|  | BH-1 (3-4)   | 9  | ×   |   | /11/2023   | -           | ×  | ×  |
| 14   | BH-1 (4-5)   | 2 4  | X   | X   | 1/11/2023  | +           | +  | ×  |
| S  | BH-1 (6-7)   | G  | ×   |   | 1/11/2023  | \×          | +  | +  |
| 6  | BH-1 (8-9)   | G  | X   |   | 1/11/2023  | 4 >         | +  | < >  |
| 7  | BH-1 (14-13)   | G  | 1 X   | X   | V11/2023   | 1           | +  | ×  |
| 8  | BH-1 (24-25)   | 9  | X   | I   | 1/11/2023  | 1           | H  | H  |
| MEYER MOLE CHRIST AND BURN BY  | BH-2 (0-1)  ages. Cardral's lability and distrib sectoring | BH-2 (0-1)  BH-2 ( | rejuct or but, about he limited in the so-<br>ne, lose of user, or base of profits in | neuel paid by the disert for the lambyland<br>curred by client, its subspiciations,<br>my of the above stated research or other | analyses. All claims including those for<br>ios.<br>na or otherwise. | , appe      |  |  |
| epit and Carlind in liable for Receivable of the proform aniliates or successors wising out of or related to the proform Relinquished By: Colton Bickerstaff   | out of or related to the performance of ser                | Date: 1/11/23 Reci   | Received By:  |   | Verbal Result:   | are ult:    | ☐ Ye                                       | ☐ Yes ☐ No<br>emailed. Please provide                      |
| Relinquished By:   |  | Date: Rec  | Received By:  |   | REMARKS:   | **          |  |  |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:   | us - Other:  | Observed Temp. *C S.S  | Sample Condition  | E Condition CHECKED BY:   | Turnaround 1   | Facto Facto | Standar<br>Cool Intact<br>\$113<br>- 0.5°C | Standard Bacteria Cool Intact Clearwell Temp. #113 # 4.5°C |



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| PLANT (2-3)  REPLACE TO THE LIABING AND COMPANY TO A COMP | PLEASE NOTE: Linkelity and Countries. Card exact what Condinal he habe for incidental will be and condinated artificial and condinated artificial countries.  | 2Ú BH-7                                   |   | 9 BH-7 (0-1)   | / S BH-2              | 7 BH-2       | // BH-2      | M           |             | 3 BH-2 (4-5) | 7 BH-2 (3-4) | / BH-2 (2-3) | 1230146 | 0.  | Sampler Name: Colton Bickerstatt | Project Location: Eddy County, New Mexico | Project Name: Big George State #3 Kelease |  | Phone #: (512)565-0190 | City: Austin   | Address: 8911 Capital o Texas Hwy, Suite 2310 | Project Manager: Christian Llull | Company Name: Tetra Tech |                                   |  |
|--|---|---|---|--|-----------------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|---------|---|----------------------------------|---|---|--|------------------------|----------------|---|----------------------------------|--------------------------|-----------------------------------|--|
| Q   BH-7 (0-1)   G   1   X   X   X   | (0-1) (2-3) (2-3) (2-3) (2-3) (2-3) (2-3) (2-3) (3-3) (3-3) (3-3) (4-3) | (0-1) (2-3) (2-3) (2-3) (2-3) (2-3) (2-3) | (0-1)   |  | BH-2 (24-25)          | BH-2 (19-20) | BH-2 (14-15) | (8-9)       | (6-7)       | (4-5)        | 3-4)         | 2-3)         |         | Sample I.D.                               | Kerstair                         | unty, New Mexico                          | State #3 Release                          | 212C-MD-02933, Task 110 Project Owner: | 0190 Fax#:             | State. 12      | lwy, Suite 2310                               | Llull                            |                          | (575) 393-2326 FAX (575) 393-2476 | 101 East Marland, Hobbs, NM 88240  |
| G 1 server based in ourseast laws, As As Months, based on As, As As Months, based on As, As As Months and but Copinal, repartless of whether such dis 11/23 Received By:   | G 1 suny whether hasset in conduct of the four, business a interruptions, loss of Cardinal, repartless of whether as  | arrang whether based in conduct or it     | 0   | 6 1  | 0 1                   | G 1          | 1 0          | GI          | 6 1         | G 1          |              | 2 4          | - #     | G)RAB OR (C)OMP.  CONTAINERS  GROUNDWATER |                                  |   |   |  |                        |                | Zip: 78750                                    |                                  |                          | 393-2476                          | M 88240  |
|  | By: Webb  | ch claim is based upon any of a           | use, or bear of profits incurred  | ×  | \<br>\<br>\<br>\<br>\ | ×            | 2            | v >         | 1,3         | \<br>\<br>\  | ,            | x            | X       | NASTEWATER SOIL DIL SLUDGE OTHER:         | MATRIX                           | Fax#:                                     | Ph  | _                                      | ConocoPhillips City:   | Ado            | Attr  | Con                              | P.O.#:                   | -                                 | ti   |
| CHECKED BY:  | Millians  | 1 11111                                   | auty the claim for the smalyses. All claims<br>by claim, ha subsidiaries, |  | X 111/2023            | X 1/11/2023  | X V11/2023   | X 1/11/2023 | X 1/11/2023 | X 1/11/2023  | X 1/11/2023  | X 1/11/2023  |         | ACID/BASE: ICE / COOL OTHER:              | PRESERV. SAM                     |   | Phone #:                                  | te: Zip:                               | 7.                     | Address: EMAIL | Attn: Christian Llull                         | Company: Tetra Tech              |                          | BILL TO                           | THE STATE OF THE S |
| Turnaround Time: Stands Cool into Thermometer 10 #111 Correction Factor -0.5°C   | REMARKS:  | Verbal Result: 11 Yes                     | claims, including those for regis   |  | 3                     |              |              |             |             |              | 2            | ×            | ×       | TIME 9015A                                | SAMPLING                         | 5   |   |  |                        |                |   |                                  |                          |                                   | 1000000  |
| Standard Cool Intact Oth   |   | ☐ Yes ☐                                   | and the same  | XX   | ×                     | +            | X            | ×           |             | X            | ×            | +            | 2       | BTEX 8021                                 | В                                | 500                                       | CI  | R                                      |                        |                |   |                                  |                          |                                   |  |
| Bacteria (erily) Sample Condition<br>served Temp. 'G   |   | s No Ad                                   |   | X Y stall be desired   | ×                     | X            | ×            | ×           | ×           | ×            | ×            | < >          | 4 7     | Chloride S                                | VI4                              | 1301                                      |   |  |                        |                |   |                                  |                          | ANALYSIS KE                       | DE DE  |
| Condition  Condition  Very  Very   |   | Add'l Phone #:<br>Email address:          |   | med vasked unless made in willing and received by Cardinal within 30 days. |                       | +            |              |             |             |              |              |              |         |   |                                  |   |   |  |                        |                |   |                                  |                          | REQUEST                           | CHIECT   |
|  |   |   |   | dinal within 30 days after co  |                       |              |              |             |             |              |              |              |         |   |                                  |   |   |  | _                      | _              |   |                                  |                          |                                   |  |



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| 101 East Mariano,  | 101 East Mariand, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 10000, 100000, 100000, 100000, 100000, 100000, 100000, 100000, 1000000, 1000000, 100000, 100000, 1000000, 1000000, 1000000, 1000000, 100000 | 211.70                     | ANALYSIS   | S KEMOLO.  |
|--|--|----------------------------|--|--|
| 1  |  | BILLIO                     |  |  |
| Company Name: Tetra Lech   |  | P.O.#:                     |  |  |
| Project Manager: Christian Llull   |  | Company: Tetra Tech        |  |  |
| Address: 8911 Capital o Texas Hwy, Suite 2310  |  | Attn: Christian Llull      |  |  |
| State:   | le: TX Zip: /8/50  | Address: EMAIL             |  |  |
| 1  |  | _                          |  |  |
| 1  | Project Owner: Collocor  | _                          | -В   |  |
| Project #: Pin George State #3 Release   |  | Phone #:                   | CI   |  |
| oject Name: Dig Secretary New Mexico   |  | 1 - 2 th                   | 00   |  |
| Project Location: Eddy County,   |  | 1                          | 45   |  |
| Sampler Name: Colton Bickerstaff   | MATRIX   | PRESERV. SAMELING          | 1B   |  |
| FOR THE USE ONTA   |  |                            | 802  |  |
| Sample I.D.  | OR (C)O<br>AINERS<br>DWATE<br>WATER  | ASE:                       | PH 80  |  |
|  | OUND<br>ASTEV  | THER CID/B/DTHER DATE TIME | TP<br>BT   |  |
| least till   | GR<br>W/SC   | O A X                      | ×  |  |
| 100 CEN  | G I X  | X 1/11/2023                | ×  |  |
| 21   | G 1 X  | I                          | +  |  |
| 33 BH-7 (4-3)  | G 1 X  | V 1/1/2023                 | X X X  |  |
|  | G 1 X  | I                          | X X X  |  |
| 34 BH-7 (8-9)  | G 1 X  | V 1/1/2023                 | X X X  |  |
| 25 BH-7 (14-15)  | G 1 X  | I                          | -  |  |
| 36 BH-/(17-20)   | G 1 X  | X 1/11/2023                | +  |  |
|  | G 1 X  | X 1/1/2023                 | XXX  |  |
|  | G 1 X  | 1/11/2023                  |  | half be desmod walved unless made in vetting and received by Cardinal within 30 days after |
| 27 BH-8 (2-3)  | G 1 A selection of the  | olyses. All claims         | industry to the tax company of the control of the c |  |
| MEASE NOTE: Liability and Derivages. Continues liability and client's exclusive published as consequential damages, in   | August 10716: Liability of Compin. Continues having and clien's inclusive remarks for the continues that replaces that the continues of the continues and the continues of the c | or otherwise.              | hal Result:   Yes   No   | Add'l Phone #:   |
| grillates or successors arising out of or related to the porturnance or successors arising out of or related to the porturnance or su  | Date: 1/11/23 Received By:   | 1                          | All Results are emailed. Please provide Citalian   |  |
| of the state of th | Time: 152 Mullium  | IN WYDER                   | REMARKS:   |  |
| Relinquished By:   | Time:  | יא מייניים אלי             | maround Time: Standard   Bacteria Jook   | ay) Sample Cundition   |
|  | 323  | ndition CHECKED BY:        | Good Intact  |  |
| Delivered By: (Circle One)   |  | 1                          | Thermometer ID #113  | □ Yes □ Yes Contected Temp. 'G   |
|  | 111  | , (                        | Correction Facility 19,100   |  |

Page 49 of 51



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| (575) 393-232   | (575) 393-2326 FAX (575) 393-2470  | BILL TO   | ANALISIS   |  |
|---|--|---|--|--|
| Company Name: Tetra Tech  |  | P.O.#:  |  |  |
| Project Manager: Christian Llull  |  | Company: Tetra Tech   |  |  |
| wy, Suite   | 2  | Attn: Christian Llull   |  |  |
| City: Austin  | State: IX Zip. rosco   | Address: EMAIL  |  |  |
|   |  | City:   |  |  |
|   | 0 Project Owner: Conocor mmps  | State: Zip:   | В  |  |
| me: Big   | 6  | Dhone #:  | CI-  |  |
| Tojoca manua New Mexic  | 6  | -   | 000  |  |
| Project Location: Eddy County, New Mexico   | 8  | Fax#:   | 500  |  |
| Sampler Name: Colton Bickerstaff  | MATRIX   | PRESERV. SAMPLING   |  |  |
| calususe our  |  |   | 8021   |  |
| Sample I.D.   | AB OR (C)O<br>DITAINERS<br>DUNDWATER<br>STEWATER<br>L  | HER :<br>ID/BASE:<br>E / COOL<br>THER :   | TPH 80 BTEX  |  |
| Misecil   | GR<br>WA   | O'A   | X X X  |  |
| 7/20176 PH-8 (3-4)  | G 1 X  | I   | X X X  |  |
| 3/ 5/10/15  | G 1 X  | I   | X X X  |  |
|   | G 1 X  | I   | X X X  |  |
| 33 BH-8 (6-7)   | G 1 X  | X 1/11/2023   | ×  |  |
| 34 BH-8 (8-9)   | Z 1 X  | X 1/11/2023   | 4  |  |
| 35 BH-8 (14-15)   | G 1 .  | X 1/1/2023  | ,  |  |
| 3/ BH-8 (19-20)   |  | X 1/11/2023   | . >  |  |
| 37 BH-8 (24-25)   | -  | X 1/11/2023   | ×  |  |
| M   | -  | X 1/11/2023   | +  |  |
| 25 BH-9 (2-3)   |  | -   | X X X A  | must waked unless made in writing and received by Cardinal within 30 days. |
| 46 BH-9 (3-4)   | and the second state of the second se | recurred paid by the client to the analyses. All claims recurred by client, its subsidiaries, | helphan on some parties  |  |
| PLEASE NOTE: Comment or incidental or consequental damages<br>event shall Cardinal to Bable for incidental or consequental damages<br>affiliates or successors arising out of or related to the performance of<br>affiliates or successors arising out of or related to the performance of<br>affiliates. | ngard  | 100   | Verbal Result: ☐ Yes ☐ No [Add'l Pho   | Add'l Phone #:   |
| Relinquished By: Colton Bickerstaff   | Date: 1/11/23 Received 5   | HO Williams   | Prince of the second of the se |  |
| Belinquished By:  | Date: Received By:   |   | Manufacture of the Control of the Co |  |
| Reminderence  |  | CHECKED BY:   |  | Condition  |
| Delivered By: (Circle One)  |  | Jon   | Road Coal Intact Observed Temp. 15   |  |
| Sampler - UPS - Bus - Other:  | 1.9  | 4   | Thermometer ID #113 Correction Factor -0.5°C   | □ Ves □ No. Connected Temps, "C  |



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By:<br>Sampler - UPS | Relinquished  | 2  | Relinquished                                 | In no event shall Cardin   |   |                               |  |   |   | 4   | 4  | th di                                | 7  | 1410014   | 100000                                       |  | Lab I.D.   | Sampler Name: 0  | Project Location:  | Project Name: Bi   | Project #:   | Phone #:  | ity: Austin  | ddress: 8911 Ca  | roject Manager:  | ompany Name: T                     |   |
|--------------------------------|---|--|--|--|---|-------------------------------|--|---|---|---|--|--------------------------------------|--|---|--|--|--|--|--|--|--|---|--|--|--|------------------------------------|---|
| (Circle One) - Bus - Other:    | ву:   | The same of the sa | By: Colton Bickerstaff                       | if he liable for incidental or consequental den<br>prising out of or related to the performance of   | Panager, Cardraft liability and danks exc   |                               |  |   |   | BH-9 (14-15)  | 5  |                                      | 1  |   |  | Sample I.D                                       |  | olton Bickerstaff  | Eddy County, New Mexico  | g George State #3 Release  | 212C-MD-02933, Task 110  |   | S  | pital o Texas Hwy, Suite 2:  | Christian Lluli  | etra Tech                          | (575) 393-2326  |
| Corrected Temp. 'C &           | Time:   | Date: F  | Date: 1/11/23 R                              | ages, including recover and against segarifie services hereunder by Cardinal, regarifie  | using secretly for any claim arrang whether b   |                               |  |   |   |   | 000  | 000                                  | G  | G   | (G)  |  | OMP.   |  |  |  |  | *   | XI :   |  |  |                                    | (575) 393-2326 FAX (575) 393-2476   |
| 000                            | 1   | ecsived By:  | eceived By                                   | sa of whether such claim is base   | past in certact or but, shall be in<br>as interruptions, lets of use, or it   |                               | +  | -   |   | -   |  | X                                    | -  | -   | GF<br>W/                                     | ROUNDWATER<br>ASTEWATER<br>OIL                   | ER   | MATRIX   |  |  | Conocor min  | Danabhilli  |  |  |  |                                    |   |
| 8                              | -   | Ma Out   | 11 000                                       | a upon any on an ann   | and to the amount paid by the dis-<br>as of profits incorred by client,   |                               |  |   | +   |   | ×  | X                                    | ×  | ×   | O A  | THER: CID/BASE: CE / COOL                        |  | PRESERV.   | Fax #:   | Phone #:   | _  | _   | Address: EMA   | Attn: Christian  | Company: Tetr  | P.O. #                             | BILL  |
| 1                              | ECKED BY: Tur   | RE   | Z.   | 7  | gradus.   | All Chirms                    |  |   | +   | +   | 1/11/2023  | 1/11/2023                            | 1/11/2020                                | 5000110   | +  |  |  | SAMPLING   |  |  | Zip:   |   | F  | Liuil  | a Tech   |                                    | . 10  |
| ermometer ID #1                |   | MARKS:   | Results are emai                             | bal Result:  |   | nchading thatse for negligit  | -  |   |   | +   | >  | × 2                                  | ×  | ×   |  | трн 8  |  |  |  |  |  |   |  |  |  | _                                  |   |
|                                |   |  | EG. Fiscaso pro-                             | Yes   No   |   | nce and any other cause who   | +  | +   |   | +   | +  | +                                    | -  | X   | _  | 1  |  |  | 500  | CI   | В  |   |  | _  | _  |                                    | ANALTSIS  |
|                                | orly) Sample Candillon  |  |  | Add'I Phone #  |   | shoever shall be deemed valid | +  | +   |   |   |  |                                      |  |   | -  |  |  |  | _  | _  |  | _   |  | _  | _  |                                    | I SIS NEGOTO:   |
|                                |   |  |  |  |   | d unless made in writing an   |  |   | -   |   |  |                                      | -  | +   | +  |  |  | _  | _  | 7  |  |   |  |  |  |                                    | 1   |
| 6                              |   |  |  |  |   | sold by Carriera              |  |   | +   | +   | -  | +                                    | +  | +   | -  |  |  |  |  | _  | _  | _   |  |  |  |                                    |   |
|                                | (Initials)  Cool intact  (Initials)  Consection Factor 4.5°C  Consection Factor 4.5°C | Time:   Sample Condition   CHECKED BY:   Transcend Time: Standard   Bacteria look) Sample Condition   (Initials)   Condition   Checked BY:   Transcend Time: Standard   Bacteria look) Sample Condition   (Initials)   Condition   Condi   | Date: Received By:  Time: Carrected Temp. *C | All Regulits are emained.  REMARKS:  Tomasound Time: Standard   Bactris (orly) \$arepte Condition  Y:  Therenometer ID #113  Correction Factor 4.5°C     144   146   146   146    Therenometer ID #113 | Verbal Result: Ves No Add'l Phone \$:  All Results are emailed. Please provide Email address:  All Results are emailed. Please provide Email address:  REMARKS:  REMARKS:  Thermometer ID #113 Correction Factor 4.5°C  Thermometer ID #113 Correction Factor 4.5°C | Werbal Result:                | Time:  Observed Temp. "C S Constituted Temp. "C Corrected Temp. "C Cor | We'roal Result:   Yes   No   Add'! Phone \$:    We'roal Result:   Yes   N | REMARKS:  Remained The:  Standard   Descript Temp.*C  Correction Factor 4-5°C  Correction Factor 4-5°C  Correction Factor 4-5°C  Remained Temp.*C | Verbal Result:   Ves   No   Add'l Phone #:   Verbal Result:   No   Add'l Phone #:   Verbal Result:   No   Add'l Phone #:   Verbal Result:   No   No   Add'l Phone #:   Verbal Result:   No   No   No   No   No   No   No   N | Thermometer ID #113 Controlled Description (Description ( | No. Add't Phone #:  We'rbail Result: | X X X  S X X X X X X X X X X X X X X X X | X X X X  B A Colore including these for negligence and any other causes efficience shall be deemed waited unless make in willing and received by Cardinal Verbal Result:    Verbal Result:   Ves   No | X X X X  B X X X X X  B X X X X X  B X X X X | X X X X  B A X X X X X X X X X X X X X X X X X X | TIME  THE THE X  BTE X  X X X X X  We had Result:   Yes   No   No   No   No   No   No   No   N | PIELD.  Operated Temp. 'C S S C Condition  Commission Temps. 'C S S C C Condition  Commission Temps. ' | Connected Temp. "C   Sample Condition   Sample Co | PRESERV. SAMPLING  PRESERV. SAMP | Sample LD.  Sample | 2120-MO-02833, Task 110 Project Owner;   Collision Bilder State   10 Project Owner;   Collision Bilder State | Control Phillips   Coly;   Control Phillips   Color Phillips   Coly;   Control Phillips   Coly;   Co | Address: EMAIL  State: Zip:  State: Zip:  Plone B:  Fax 8:  Fa | Mark Sinks: 1X Zip: 78759 Address: EMAL.  Sarias: 1X Zip: 78759 Address: EMAL.  Sarias: 10 Project Owner: ConcooPhillips City: Zip: State of the project Owner: ConcooPhillips City: Zip: State of the project Owner: Zip: Sharias: Zip: Sharias | Company: Ternal Very   School 2319 | Suite: 1X Zip: 78750  Sale: 1X Zip: 78750  Address: BIANL  By Robess  Promis B;  



January 17, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/23 12:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (2-3) (H230210-01)

DTEV 0021D

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 | QR-03     |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 127 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 800    | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| 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            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 97.4   | % 49.1-14       | 8          |              |      |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (3-4) (H230210-02)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: 5::       |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 624    | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 96.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 15 (2-3) (H230210-03)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2240   | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| 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            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | 20.6   | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 81.4   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 85.8   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 15 (3-4) (H230210-04)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 | ,            |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 124    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: AC    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1620   | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 95.1   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 99.1   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 18 (2-3) (H230210-05)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 128    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3600   | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| 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            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 108    | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 111    | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 18 (3-4) (H230210-06)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.05 | 102        | 2.00          | 5.25 |           |
| Toluene*                             | <0.050 | 0.050           | 01/16/2023 | ND           | 2.19 | 109        | 2.00          | 4.29 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/16/2023 | ND           | 2.14 | 107        | 2.00          | 5.35 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/16/2023 | ND           | 6.61 | 110        | 6.00          | 4.99 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/16/2023 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 127 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3600   | 16.0            | 01/16/2023 | ND           | 416  | 104        | 400           | 3.92 |           |
| 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            | 01/17/2023 | ND           | 201  | 100        | 200           | 7.94 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/17/2023 | ND           | 216  | 108        | 200           | 2.71 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/17/2023 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.3   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8          |              |      |            |               |      |           |

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### **Notes and Definitions**

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

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

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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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Relinquished By: Relinquished By: Colton Bickerstaff Lab I.D. Sampler Name: Colton Bickerstaff Project Location: Eddy County, New Mexico Project Name: Big George State #3 Release Project #: Address: 8911 Capital o Texas Hwy, Suite 2310 Project Manager: Christian Llull Phone #: City: Austin Company Name: Tetra Tech ORM-006 R 3.2 10/07/21 3 BH-15 (2-3) 4 BH-15 (3-4) BH-14 (2-3) BH-14 (3-4) BH-18 (3-4) BH-18 (2-3) 212C-MD-02933, Task 110 Project Owner: (512)565-0190 Sample I.D. Observed Temp. \*C 3. S Corrected Temp. \*C 3. S Fax #: Time: 1214 Date: Date: 1/16/23 X (G)RAB OR (C)OMP Received By: 9 G 9 G G Zip # CONTAINERS GROUNDWATER Cool laract ConocoPhillips WASTEWATER MATRIX SLUDGE OTHER: Fax #: Phone #: City: P.O. #: Address: EMAIL Attn: Christian Llull Company: Tetra Tech ACID/BASE CHECKED BY: (Initials) ICE / COOL BILL TO 1.9/2023 Zip: 1/9/2023 DATE 9/2023 SAMPLING Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: REMARKS: TIME nometer ID #113 ection Factor -0.5°C Q Cost Intact **TPH 8015M** SUM **BTEX 8021B** or Jens? bev Chloride SM4500CI-B ANALYSIS REQUEST

Page 9 of 9

Received by OCD: 6/18/2024 3:29:38 PM

Page 13 of 13

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

age of I

|                           | (575) 393-2326 FAX (575) 393-2                                | 4/6              |              |              |          |          |            | BI             | LL TO             |                       |        |       |           | AN | IAL  | YSIS | REQU | EST |   |          |   |
|---------------------------|---|------------------|--------------|--------------|----------|----------|------------|----------------|-------------------|-----------------------|--------|-------|-----------|----|------|------|------|-----|---|----------|---|
| Company Name:             |   |                  |              |              |          | - 1      | P.O. #     |                |                   |                       |        |       |           |    | П    |      |      |     |   |          |   |
| Project Manager           |   |                  |              |              |          | -        |            |                | <del>-1-</del>    | -1                    |        |       |           |    |      |      |      |     |   |          |   |
| Address: Chri             | stion. Ilul a tetratoch. COM                                  |                  |              |              |          |          |            |                | Tetra T           |                       |        |       |           |    |      |      |      |     |   |          |   |
| City:                     | State:  | Zip              | o:           |              |          |          | Attn:      | Chi            | 1stow             | Jull                  |        |       |           |    | - 1  |      |      |     |   |          |   |
| Phone #:                  | Fax #: NA   |                  |              |              |          |          | Addr       | ess:           |                   |                       | 1      |       |           |    | - 1  |      |      |     |   |          |   |
| Project #: 212            | 2C-MD-02933 Project Ow  | ner:             |              |              |          |          | City:      |                |                   |                       | 4      |       |           |    |      |      |      |     |   |          |   |
|                           | BIG GEORGE STATE  |                  | 1            |              |          |          | State      | :              | Zip:              |                       | 1      |       |           |    |      |      |      |     |   |          |   |
|                           | : Eddy County, New M  |                  | 0            |              |          |          | Phon       | e #:           |                   |                       | hour   |       | _         |    |      |      |      |     |   |          |   |
| Sampler Name:             | Joe Tyler   |                  |              |              |          |          | Fax #      | ŧ              |                   |                       | ک      |       |           |    |      |      |      |     |   |          |   |
| FOR LAB USE ONLY          | 90  |                  | Т            |              | MATR     | XIX      | PF         | RESERV         | SAMPL             | ING                   | -he)   |       |           |    |      |      |      |     |   |          |   |
| Lab I.D.                  | Sample I.D.   | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER  | SOIL     | SLUDGE   | OTHER:     | ICE / COOL <   |                   | TIME                  | ТРН    | втех  | Chlorides |    | Hold |      |      |     |   |          |   |
| 4                         | BH-12R (0'-1')  | G                | 1            |              | X        |          |            | X              | 6-19              | 1100                  | ×      | X     | X         | -  | -    | -    | -    | +   | + |          |   |
| 2                         | BH-12R (1-2')   | 1                | 1            |              | T        |          | 1          | 1              | -                 | 1110                  | 1      | 1     | 1         | -  | -    | -    | -    | -   | - |          |   |
| 3                         | BH-12R (2'-3')  |                  |              |              |          |          | 1          |                |                   | 1190                  | 1      | 1     | H         | -  | -    | -    | -    | +   | + |          |   |
| 4                         | BH-12R (5'-4')  |                  |              |              |          |          | 1          |                |                   | 1140                  | 11     | 1     | H         | -  |      |      | -    | +-  | + |          |   |
| 5                         | BH-12R (4'-5')  |                  |              |              |          |          |            |                |                   | 1200                  | 1      | 1     | $\square$ | -  |      | -    | -    | -   | + | $\vdash$ |   |
| 6                         | BH-12R (5'-6')  |                  |              |              |          |          |            |                |                   | 1320                  | 1      | 1     | $\square$ | -  |      | -    | -    | -   | - |          |   |
| 7                         | BH-12R (6'-7')  |                  |              |              |          |          |            |                |                   | 1240                  |        |       | $\square$ | _  |      |      | -    | -   | + |          |   |
| 8                         | BH-12R (7-8')   |                  |              |              |          | 1 -4     |            |                |                   | 1300                  |        |       |           | _  |      |      | -    | -   | - |          | _ |
| 9                         | BH-122 (8'-9')  |                  |              |              | 1        |          |            |                | 1                 | 1320                  |        |       |           |    |      |      | -    | _   | - |          |   |
| 10                        | RU 170 (9'-10')   | 1                | /            |              | V        |          |            | V              | V                 | 1340                  | V      | V     | V         |    |      |      |      |     |   |          |   |
| PLEASE NOTE: Liability ar | nd Damages. Cardinal's liability and client's exclusive remed | y for any c      | laim aris    | sing whether | based in | contract | or tort, s | hall be limite | d to the amount p | aid by the client for | or the | able. |           |    |      |      |      |     |   |          |   |

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| Relinquished By:  | Date: 6-19-23 | Received By:                                    |             | Phone Results:                       |  |
|---|---------------|---|-------------|--------------------------------------|--|
| Relinquished By:  | Time:         | Nou CVSV<br>Received By:                        | eros        | Email Results to:<br>Christian Llull |  |
|   | Time:         |   |             | Rush                                 |  |
| Delivered By: (Circle One) Sample: - UPS - Bus - Other: | 2.8           | Sample Condition Cool Intapt    Yes   Yes   Yes | CHECKED BY: | 24 hrs                               |  |

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



January 10, 2024

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/09/24 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

A ..... I ..... . J D. ... 711

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A ( 0-1' ) (H240084-01)

| BTEX 8021B                           | mg      | 'kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050  | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300  | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 120     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,     | kg              | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0    | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 105     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 114     | % 49.1-14       | 8          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (1'-2') (H240084-02)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 144    | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 88.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (2'-3') (H240084-03)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | 71.5-13         | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 224    | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 86.3   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.0   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (3'-4') (H240084-04)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: JH    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 80.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 87.7   | % 49.1-14       | 18         |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C-MD-02933

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (4'-5') (H240084-05)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 82.3   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 88.5   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (5'-6') (H240084-06)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 80.7   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.4   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 A (6'-7') (H240084-07)

BTEX 8021B

| DILX GOZID                           | ıııg,  | , kg            | Andryzo    | u by. 511    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 81.5   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.5   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keens



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (7'-8') (H240084-08)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 76.8   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 82.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (8'-9') (H240084-09)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 80.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (9'-10') (H240084-10)

RTFY 8021R

| Result <0.050 <0.050 | Reporting Limit 0.050 0.050                                      | Analyzed<br>01/09/2024   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
|----------------------|--|--|--------------|--------|------------|---------------|--------|-----------|
| <0.050               |  |  | ND           | 2 14   |            |               |        |           |
|                      | 0.050  |  |              | 2.14   | 107        | 2.00          | 3.01   |           |
| <0.0E0               |  | 01/09/2024   | ND           | 2.16   | 108        | 2.00          | 2.67   |           |
| <b>~0.050</b>        | 0.050  | 01/09/2024   | ND           | 2.17   | 108        | 2.00          | 3.11   |           |
| <0.150               | 0.150  | 01/09/2024   | ND           | 6.44   | 107        | 6.00          | 3.24   |           |
| <0.300               | 0.300  | 01/09/2024   | ND           |        |            |               |        |           |
| 113 9                | % 71.5-13  | 4  |              |        |            |               |        |           |
| mg,                  | /kg  | Analyze  | d By: HM     |        |            |               |        |           |
| Result               | Reporting Limit  | Analyzed   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
| 80.0                 | 16.0   | 01/10/2024   | ND           | 432    | 108        | 400           | 0.00   |           |
| mg,                  | /kg  | Analyze  | d By: MS     |        |            |               |        |           |
| Result               | Reporting Limit  | Analyzed   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
| <10.0                | 10.0   | 01/09/2024   | ND           | 185    | 92.6       | 200           | 2.55   |           |
| <10.0                | 10.0   | 01/09/2024   | ND           | 171    | 85.6       | 200           | 3.06   |           |
| <10.0                | 10.0   | 01/09/2024   | ND           |        |            |               |        |           |
| 80.5                 | % 48.2-13  | 4  |              |        |            |               |        |           |
| 86.5                 | % 49.1-14  | 8  |              |        |            |               |        |           |
|                      | <0.300  113 9  mg/ Result  80.0  mg/ Result  <10.0  <10.0  <80.5 | <0.050 0.050 <0.150 0.150 <0.300 0.300  113 % 71.5-13  mg/ky  Result Reporting Limit  80.0 16.0  mg/ky  Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 | <0.050       | <0.050 | <0.050     | <0.050        | <0.050 | <0.050    |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 B ( 0-1' ) (H240084-11)

BTEX 8021B

| BIEX 9021B                           | mg/    | rky             | Allalyze   | а ву: эп     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.1   | % 49.1-14       | 8          |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (1'-2') (H240084-12)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 224    | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 71.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 76.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: **BIG GEORGE STATE #3 RELEASE** Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 212C-MD-02933 Sample Received By:

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B ( 2'-3' ) (H240084-13)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 464    | 16.0            | 01/10/2024 | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024 | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 77.4   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.1   | % 49.1-14       | 8          |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: **BIG GEORGE STATE #3 RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C-MD-02933

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (3'-4') (H240084-14)

| BTEX 8021B                           | mg,    | 'kg             | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114 9  | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: HM |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 416    | 16.0            | 01/10/2024      | ND           | 432  | 108        | 400           | 0.00 |           |
| 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            | 01/09/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 76.9   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 83.2   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (4'-5') (H240084-15)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 115    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 256    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.2   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.8   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (5'-6') (H240084-16)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze         | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 208    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.8   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 87.4   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (6'-7') (H240084-17)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 208    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 75.2   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 81.8   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (7'-8') (H240084-18)

| BTEX 8021B                           | mg     | /kg             | Analyze         | ed By: JH    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 3.01 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.16 | 108        | 2.00          | 2.67 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.17 | 108        | 2.00          | 3.11 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.44 | 107        | 6.00          | 3.24 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 114    | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 224    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 77.1   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 82.0   | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |        |                 |                 |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 B (8'-9') (H240084-19)

BTEX 8021B

| DIEX GOZID                           | mg/kg  |                 | Allulyzo        | Analyzea by. 311 |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|------------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND               | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND               | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND               | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND               | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND               |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.5   | % 71.5-13       | 4               |                  |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyzed By: CT |                  |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 192    | 16.0            | 01/10/2024      | ND               | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND               | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024      | ND               | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024      | ND               |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 63.6   | % 48.2-13       | 4               |                  |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 67.9   | % 49.1-14       | 8               |                  |      |            |               |      |           |
|                                      |        |                 |                 |                  |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (9'-10') (H240084-20)

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 01/09/2024      | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | < 0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 01/09/2024      | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 01/09/2024      | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300  | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9 9  | 71.5-13         | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 112     | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024      | ND           | 185  | 92.6       | 200           | 2.55 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 01/10/2024      | ND           | 171  | 85.6       | 200           | 3.06 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 01/10/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 70.9 9  | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 76.0 9  | % 49.1-14       | 8               |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 C (0-1') (H240084-21)

BTEX 8021B

|                                      | <u> </u> |                 |                 |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/09/2024      | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050   | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/09/2024      | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/09/2024      | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8     | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,      | /kg             | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0     | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024      | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/09/2024      | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 74.6     | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 69.9     | % 49.1-14       | 8               |              |      |            |               |      |           |
|                                      |          |                 |                 |              |      |            |               |      |           |

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Celeg D. Freene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C (1'-2') (H240084-22)

| BTEX 8021B                           | mg/    | 'kg             | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.5   | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 144    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024      | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024      | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 68.7   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 63.0   | % 49.1-14       | 8               |              |      |            |               |      |           |

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Celecy D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C ( 2'-3' ) (H240084-23)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 192    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 78.4   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 72.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C (3'-4') (H240084-24)

| BTEX 8021B                           | mg/    | 'kg             | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8   | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 160    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024      | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024      | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 70.9   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 66.7   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C (4'-5') (H240084-25)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024      | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024      | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024      | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6   | % 71.5-13       | 4               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyzed By: CT |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 144    | 16.0            | 01/10/2024      | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024      | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024      | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 74.6   | % 48.2-13       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 69.0   | % 49.1-14       | 8               |              |      |            |               |      |           |

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C (5'-6') (H240084-26)

| BTEX 8021B                           | mg/    | kg                | Analyze    | d By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-------------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit   | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050             | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050             | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050             | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150             | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300             | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9   | % 71.5-13         | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg               | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit   | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 128    | 16.0              | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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              | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0              | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0              | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 70.3   | % 48.2-13         | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 65.6   | % 49 1-1 <i>4</i> | 8          |              |      |            |               |      |           |

Surrogate: 1-Chlorooctadecane 65.6 % 49.1-148

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 C (6'-7') (H240084-27)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | а ву: ЈН     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.3   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyze    | ed By: CT    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 112    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.2   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 74.0   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 C (7'-8') (H240084-28)

BTEX 8021B

|                                      | <u> </u> |                 |            |              |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050   | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.4     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 144      | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.4     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 67.5     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 C (8'-9') (H240084-29)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.2   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 96.0   | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 69.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 64.4   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 C (9'-10') (H240084-30)

RTFY 8021R

| Result | Reporting Limit   | Analyzed   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
|--------|---|--|--------------|--------|------------|---------------|--------|-----------|
| <0.050 | 0.050   | 01/09/2024   | ND           | 2.18   | 109        | 2.00          | 2.06   |           |
| <0.050 | 0.050   | 01/09/2024   | ND           | 2.14   | 107        | 2.00          | 2.13   |           |
| <0.050 | 0.050   | 01/09/2024   | ND           | 2.12   | 106        | 2.00          | 2.51   |           |
| <0.150 | 0.150   | 01/09/2024   | ND           | 6.19   | 103        | 6.00          | 2.31   |           |
| <0.300 | 0.300   | 01/09/2024   | ND           |        |            |               |        |           |
| 97.6   | % 71.5-13   | 4  |              |        |            |               |        |           |
| mg/kg  |   | Analyzed By: CT  |              |        |            |               |        |           |
| Result | Reporting Limit   | Analyzed   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
| 176    | 16.0  | 01/10/2024   | ND           | 448    | 112        | 400           | 3.51   |           |
| mg/    | /kg   | Analyze  | d By: MS     |        |            |               |        |           |
| Result | Reporting Limit   | Analyzed   | Method Blank | BS     | % Recovery | True Value QC | RPD    | Qualifier |
| <10.0  | 10.0  | 01/09/2024   | ND           | 197    | 98.5       | 200           | 3.97   |           |
| <10.0  | 10.0  | 01/09/2024   | ND           | 179    | 89.4       | 200           | 7.75   |           |
| <10.0  | 10.0  | 01/09/2024   | ND           |        |            |               |        |           |
| 60.1   | % 48.2-13   | 4  |              |        |            |               |        |           |
| 55.5   | % 49.1-14   | 8  |              |        |            |               |        |           |
|        | <0.050 <0.050 <0.050 <0.150 <0.300  97.6  mg/  Result  176  mg/  Result <10.0 <10.0 <60.1 | <0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 97.6 % 71.5-13 mg/kg Result Reporting Limit 16.0 mg/kg Result Reporting Limit 16.0 16.0 40.0 <10.0 <10.0 <10.0 <10.0 <48.2-13 | <0.050       | <0.050 | <0.050     | <0.050        | <0.050 | <0.050    |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (0-1') (H240084-31)

BTEX 8021B

|                                      | 9/     | 9               | 7          | 7 5          |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.1   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 71.5   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 66.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (1'-2') (H240084-32)

BTEX 8021B

| DIEX GOZID                           | 1119/  | rkg             | Allulyzo   | .u by. 511   |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | ed By: CT    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.3   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 66.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (2'-3') (H240084-33)

BTEX 8021B

| DILX GOZID                           | 11197  | , kg            | Allulyzo   | u by. 511    |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 176    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 67.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 61.3   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 D (3'-4') (H240084-34)

RTFY 8021R

| BIEX 8021B                           | mg     | / <b>kg</b>     | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyze    | d By: CT     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 272    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 78.6   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 73.1   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (4'-5') (H240084-35)

BTEX 8021B

|                                      | <u> </u> |                 |            | . ,          |      |            |               |      |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050   | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150   | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300   | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9     | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,      | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 240      | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 69.6     | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 64.0     | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |          |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (5'-6') (H240084-36)

BTEX 8021B

| DIEX GOZID                           | 1119/  | rkg             | Allulyzo   | .u by. 311   |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.1   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 352    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/09/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/09/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 72.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 68.4   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fac. Tax. (422) 602 20

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (6'-7') (H240084-37)

BTEX 8021B

| DIEX GOZID                           | 11197  | , kg            | Allulyzo   | .u Dy. 311   |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: HM    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 336    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 01/10/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 76.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 72.1   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 D (7'-8') (H240084-38)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.18 | 109        | 2.00          | 2.06 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.14 | 107        | 2.00          | 2.13 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.12 | 106        | 2.00          | 2.51 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.19 | 103        | 6.00          | 2.31 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7   | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 224    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 76.3   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 72.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Face Tax (422) 602

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 D (8'-9') (H240084-39)

RTFY 8021R

| B1EX 8021B                           | mg/    | кд              | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.27 | 113        | 2.00          | 2.33 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.27 | 114        | 2.00          | 1.71 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.26 | 113        | 2.00          | 1.66 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.84 | 114        | 6.00          | 1.49 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9  | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 224    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 77.0   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 72.0   | % 49.1-14       | 8          |              |      |            |               |      |           |

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Celey & Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 D (9'-10') (H240084-40)

RTFY 8021R

| BIEX 8021B                           | mg     | /кд             | Anaiyze    | a By: JH     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.27 | 113        | 2.00          | 2.33 |           |
| Toluene*                             | <0.050 | 0.050           | 01/09/2024 | ND           | 2.27 | 114        | 2.00          | 1.71 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 01/09/2024 | ND           | 2.26 | 113        | 2.00          | 1.66 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 01/09/2024 | ND           | 6.84 | 114        | 6.00          | 1.49 |           |
| Total BTEX                           | <0.300 | 0.300           | 01/09/2024 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 104    | % 71.5-13       | 4          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: HM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 240    | 16.0            | 01/10/2024 | ND           | 448  | 112        | 400           | 3.51 |           |
| 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            | 01/10/2024 | ND           | 197  | 98.5       | 200           | 3.97 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 01/10/2024 | ND           | 179  | 89.4       | 200           | 7.75 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 01/10/2024 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 80.9   | % 48.2-13       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 75.7   | % 49.1-14       | 8          |              |      |            |               |      |           |
|                                      |        |                 |            |              |      |            |               |      |           |

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### **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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### CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Tetra Tech  |   |   |                             |                           |   |                            |            |                             | В                         | BILL TO  |  |            |                     | A   | ANALYSIS REQUEST | S REC          | UEST       |                    |  |                  |    |
|---|---|---|-----------------------------|---------------------------|---|----------------------------|------------|-----------------------------|---------------------------|--|--|------------|---------------------|---|------------------|----------------|------------|--------------------|--|------------------|----|
| Project Manager: Christian Llull  | Christian Llull   |   |                             |                           |   |                            | 7          | P.O. #:                     |                           |  |  |            |                     | _   | _                |                |            |                    | -  | +                |    |
| idress: 8911 Ca   | Address: 8911 Capital o Texas Hwy, Suite 2310   | 2310  |                             |                           |   |                            |            | omp                         | any: Te                   | Company: Tetra Tech                                |  |            |                     |   |                  |                |            |                    |  | _                |    |
| City: Austin  |   | State: TX   | Zip:                        |                           |   |                            | <u> </u>   | ttn:                        | Attn: Christian Llull     | n Llull  |  |            |                     |   |                  |                |            |                    |  | _                |    |
| Phone #:  | (512)565-0190 Fax   | Fax #:  |                             |                           |   |                            | 7          | ddre                        | Address: EMAIL            | F  |  |            |                     |   |                  |                |            |                    |  |                  |    |
| Project #:  | 212C-MD-02933   | Project   | ct                          | C                         | ConocoPhillips                          | Philli                     |            | City:                       |                           |  |  |            |                     |   | -                |                |            |                    |  |                  |    |
| roject Name: Big  | Project Name: Big George State #3 Release   | Ō   |                             |                           |   |                            | (0)        | State:                      |                           | Zip:   |  |            | 7                   | В   |                  |                |            |                    |  |                  |    |
| oject Location:   | Project Location: Eddy County, New Mexico   | 00  |                             |                           |   |                            | 77         | Phone #:                    | #                         |  |  |            |                     | CI-   |                  |                |            |                    |  |                  |    |
| impler Name: Co   | Sampler Name: Colton Bickerstaff  |   |                             |                           |   |                            | -          | Fax #:                      |                           |  |  |            |                     | 00  |                  |                |            | ē                  |  |                  |    |
| FOR LAB USE ONLY  |   |   | _                           | Н                         |   | MATRIX                     |            | PRE                         | PRESERV.                  | SAMPLING   | ING  |            | 3                   | 45  |                  |                |            |                    |  |                  |    |
| Lab I.D.  |   |   | MP.                         |                           |   |                            |            |                             |                           |  |  | M          | 1B                  | SM  |                  | 25             |            |                    |  |                  |    |
| 480046  | Sample I.D.   | Þ   | (G)RAB OR (C)ON             | GROUNDWATER               | WASTEWATER                              | OIL                        | SLUDGE     | OTHER :<br>ACID/BASE:       | ICE / COOL<br>OTHER :     | DATE   | TIME   | TPH 8015   | BTEX 802            | Chloride S  |                  |                |            |                    |  |                  |    |
| 1   | BH-12-24A (0-1')  | 0   | G                           |                           |   | _                          | Н          | $\overline{}$               | -                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  |                  |    |
| w   | BH-12-24A (1'-2')   |   | Ð                           | 1                         |   | X                          |            |                             | ×                         | 1/9/2024   |  | ×          | X                   | ×   |                  |                |            |                    |  | _                |    |
|   | BH-12-24A (2'-3')   |   | G                           | 1                         |   | X                          |            | Н                           | X                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  |                  |    |
|   | BH-12-24A (3'-4')   |   | G                           | 1                         |   | X                          |            |                             | X                         | 1/9/2024   |  | X          | X                   | X   |                  |                |            |                    |  |                  |    |
| 5   | BH-12-24A (4'-5')   |   | G                           | 1                         |   | X                          |            |                             | X                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  |                  |    |
| 6   | BH-12-24A (5'-6')   |   | G                           | 1                         |   | X                          |            |                             | ×                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  | -                |    |
| 7   | BH-12-24A (6'-7')   |   | G                           | 1                         |   | X                          |            |                             | ×                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  | -                |    |
| 8   | BH-12-24A (7'-8')   |   | G                           | _                         |   | ×                          |            |                             | ×                         | 1/9/2024   |  | ×          | ×                   | ×   | _                |                |            |                    |  | -                |    |
| 9   | BH-12-24A (8'-9')   |   | G                           | 1                         |   | X                          |            | _                           | X                         | 1/9/2024   |  | ×          | ×                   | ×   |                  |                |            |                    |  |                  |    |
| 10  | BH-12-24A (9'-10')  |   | G                           | 1                         |   | ×                          | L          |                             | ×                         | 1/9/2024   |  | ×          | ×                   |   | -                |                |            |                    |  |                  |    |
| ASE NOTE: Liability and Dar<br>it shall Cardinal be liable it<br>ates or successors arising | PLEASE NOTE: Lability and Damages. Countinal's hability and client's exclusion remarks for any other manage where the contract or not nearly to remark the property and client's exclusion or contract or not make the profession of the profession of the profession or otherwise affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | remedy for any claim arising whether<br>luding without limitation, business i<br>vices hereunder by Cardinal, regan | interruption<br>dless of wh | ns, loss of<br>hether suc | use, or los<br>th claim is              | as of profits<br>based upo | s incurred | baid by the dient the above | t, its subsidiar          | analyses. All craims<br>ries,<br>ins or otherwise. | including mose of regularize                     | negligence | and any other cause |   | er shall be dec  | Daview Date    | niess made | an Guman           | вивочене энш ос везіне макел нівез насе в міна ў акт вослесь су снавам пераве завется споравот п п | Cardinal Willing | 50 |
| linquished By:  | Relinquished By: Colton Bickerstaff   | Date: 1/09/24   | Received By                 | ved B                     | 1                                       |                            |            |                             | 1                         | 1  | Verbal Result:                                   | ☐ Yes      | es 🗆 No             | No<br>Provide E                                     | Add'i            | Add'l Phone #: | tian.Llul  | @tetrate           | Add'l Phone #:<br>  Add'l Phone #:   | ND               | 11 |
|   |   | Time: 14:47   |                             | No.                       |   | M.                         | R          |                             | 6                         | A X  | Nicholas.Poole@tetratech.com                     | @tetra     | tech.com            |   |                  |                | 7          | (                  |  |                  |    |
| Relinquished By:  |   | Date:   | Received By:                | ved B                     | y:                                      |                            | ç          | ,                           | , (                       |  | REMARKS: 24hr. RUSH TAT on ALL samples           | Ihr. RUS   | SH TAT o            | n ALL sam   | oles             |                |            |                    |  |                  |    |
|   |   |   |                             | 1                         |   |                            |            | 1                           |                           |  |  |            |                     |   |                  |                |            |                    |  |                  |    |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:                                  | - 11<br>- 11  | Observed Temp. °C   | 1.8°C                       |                           | Sample Condition Cool Intact  Yes Three | mple Cond                  | ition      |                             | CHECKED BY:<br>(Initials) |  | Turnaround Time:<br>Rush: YES, 24hr.             | Standard   | cool Intact         | Bacteria (only) Sampt. Condition  Observed Temp. *C | Sampl_Cond       | ión            |            |                    |  |                  |    |
|   |   |   |                             |                           | □ 8                                     | No No                      |            | 0                           | 5                         | ,  | Thermometer ID #118-<br>Correction Factor =0.5*C | 1000       | 1.6. H/40           | 01/9  | 45               | □ No □ No      | Yes No Con | Corrected Temp. *C | ດໍ   |                  |    |
|   |   |   |                             |                           |   |                            |            |                             | ,                         | _  |  |            |                     |   |                  |                |            |                    |  | 1                |    |

### CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|  |   | ľ                                    | ١                                  | ١                                      | l                | l                                    | $\frac{1}{2}$       | ١                           | l         | l                             |   |  |           |                |             |   |                  |                              |            |            |            |            |               |   |
|--|---|--------------------------------------|------------------------------------|--|------------------|--------------------------------------|---------------------|-----------------------------|-----------|-------------------------------|---|--|-----------|----------------|-------------|---|------------------|------------------------------|------------|------------|------------|------------|---------------|---|
| Company Name: Tetra Tech   |   |                                      |                                    |  |                  |                                      | _                   |                             |           | BI                            | BILL TO                                 |  |           |                |             | ANAL  | ANALYSIS REQUEST | REQU                         | EST        |            |            |            |               |   |
| Project Manager: Christian Llull   |   |                                      |                                    |  |                  |                                      | D                   | P.O. #:                     | "         |                               |   |  |           |                |             |   | _                |                              | $\dashv$   |            |            |            |               |   |
| Address: 8911 Capital o Texas Hwy, Suite 2310  | y, Suite 2310   |                                      |                                    |  |                  |                                      | 0                   | duo                         | any       | Tet                           | Company: Tetra Tech                     |  |           |                |             |   | _                |                              |            |            |            |            |               |   |
| City: Austin   | State: TX   | Zip:                                 |                                    |  |                  |                                      | A                   | E.                          | Chris     | stian                         | Attn: Christian Llull                   |  |           |                |             |   |                  |                              |            | _          |            |            |               |   |
| Phone #: (512)565-0190   | Fax#:   |                                      | - 1                                |  |                  |                                      | A                   | ddre                        | :SS:      | Address: EMAIL                | F                                       |  |           |                |             |   |                  |                              |            |            |            |            |               |   |
| Project #: 212C-MD-02933   | Project   |                                      |                                    | ConocoPhillips                         | COPY             | lilip<br>Dillip                      |                     | City:                       |           |                               |   |  |           |                |             |   |                  |                              | 14         |            |            |            |               |   |
| Project Name: Big George State #3 Release  | Release   |                                      |                                    |  |                  |                                      | S                   | State:                      |           |                               | Zip:                                    |  |           |                | В           |   |                  |                              |            |            |            |            |               |   |
| Project Location: Eddy County, New Mexico  | w Mexico  |                                      |                                    |  |                  |                                      | P                   | Phone                       | #:        |                               |   |  |           |                | CI-         |   |                  |                              |            |            |            |            |               |   |
| Sampler Name: Colton Bickerstaff   | *   | 1                                    |                                    |  |                  |                                      | 7                   | Fax #:                      |           |                               |   |  |           |                | 000         |   |                  |                              |            |            |            |            |               |   |
| FOR LAB USE ONLY   |   | $\dashv$                             | Н                                  |  | MATRIX           | RIX                                  | 1                   | PR                          | PRESERV.  | ?                             | SAMPLING                                | ING  |           |                | 45          |   |                  |                              |            |            |            |            |               |   |
| Lab I.D.   |   | JIVIIT.                              | R                                  | _                                      |                  |                                      | $\dashv$            |                             |           |                               |   | 3  | 5M        | 21B            | SM          |   |                  |                              |            |            |            |            |               |   |
| Sam  | Sample I.D.   |                                      |                                    |  |                  |                                      |                     | E:                          | L         |                               |   | ×  | 8015      | 802            | ide         |   |                  |                              |            |            |            |            |               |   |
| PSUSPER  | G)RAB C   | CONTA                                | ROUND                              | VASTEW                                 | OIL              | LUDGE                                | THER:               | CID/BAS                     | CE / COC  | THER :                        | DATE                                    | T ME   | ГРН       | втех           | Chlor       |   |                  |                              |            |            |            |            |               |   |
| // BH-12-24B (0-1')  |   | 7.                                   | _                                  | _                                      |                  | $\overline{}$                        | _                   | $\overline{}$               | ×         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            |            |            |            |               |   |
| /2 BH-12-24B (1'-2')   |   | G                                    | _                                  | -                                      | ×                |                                      | -                   |                             | ×         |                               | 1/9/2024                                |  | ×         | ×              | X           |   |                  |                              |            |            |            |            |               |   |
| /3 BH-12-24B (2'-3')   |   | G                                    | _                                  | $\dashv$                               | X                |                                      | Н                   |                             | ×         |                               | 1/9/2024                                |  | X         | X              | X           |   |                  | (6)                          |            |            |            |            |               |   |
| /4 BH-12-24B (3'-4')   |   | G 1                                  | _                                  | -                                      | ×                | _                                    | _                   |                             | ×         |                               | 1/9/2024                                |  | X         | X              | X           | 1   |                  |                              |            |            |            |            |               |   |
| /5 BH-12-24B (4'-5')   |   | G                                    | -                                  | Н                                      | ×                | H                                    | Н                   | П                           | ×         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            |            |            |            |               |   |
| /6  BH-12-24B (5'-6')  |   | G 1                                  | 1                                  |  | X                |                                      | _                   |                             | X         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            |            |            |            |               |   |
| /7 BH-12-24B (6'-7')   |   | G 1                                  | 1                                  |  | ×                |                                      | H                   |                             | ×         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            |            |            |            |               |   |
| /8 BH-12-24B (7'-8')   |   | G 1                                  | _                                  |  | ×                |                                      | H                   |                             | ×         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            |            |            |            |               |   |
| /9 BH-12-24B (8'-9')   |   | G 1                                  | 1                                  |  | ×                |                                      |                     |                             | ×         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              |            | _          |            |            |               |   |
| <b>20</b> BH-12-24B (9'-10')   | 10')  | G                                    | F                                  | $\vdash$                               | X                | -                                    | $\vdash$            | Г                           | X         |                               | 1/9/2024                                |  | ×         | ×              | ×           |   |                  |                              | L          |            |            |            |               |   |
| PLEASE TOTE: Linking and Dramages, Cardinatis hability and client's exclusive remarks or any claim shallow produce and any other causes with the second policy types client to the analyses. All claims including those for negligence and any other causes with client in client produced or consequential or consequential consequently without limitation, business interruptions, loss of use, or these of profits incrurably client, its subsidiaries, and the consequent produced in the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | lent's exclusive remedy for any claim arising whether bu<br>damages, including without limitation, business int<br>mance of services hereunder by Cardinal, regardi | sed in cor<br>struptions<br>ss of wh | ntract or<br>s, loss on<br>ther su | tort, shall<br>of use, or<br>uch clain | loss of is base  | d to the a<br>profits in<br>d upon a | curred<br>any of th | aid by the by clier e above | t, its su | for the<br>bsidiari<br>reason | analyses. All claims es, sor otherwise. | including those for  | negligeno | e and any othe | r cause wha | itsoever shal                                       | be deemed        | warved unle                  | ss made in | writing an | d received | by Cardina | within 30 day | Slooever shall be deemed walved unless made in witting and received by Cardmal within 30 days after completion of the |
| Relinquished By: Colton Bickerstaff  | Date: 1/09/24   | Received By                          | ved E                              | N.                                     |                  |                                      |                     |                             | 1         |                               | الماد                                   | Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:  All Results are emailed. Please provide Email address: Christian Llull@tetratech.com AND | email     | ☐ Yes ☐        | □ No        | e Email   | Add'l Phone #:   | one #:                       | n.Llulla   | Dtetrati   | ch.com     | AND        |               | Ш   |
|  | Time: 4:48  |                                      | 1                                  |  |                  | 1                                    | 1                   | M                           |           | B                             | 1/8                                     | Nicholas.Poole@tetratech.com   | e@tetr    | atech.com      | -           |   |                  |                              |            |            |            |            |               |   |
| Relinquished By:   | Date:   | Received By:                         | Ved I                              | By:                                    |                  |                                      | (                   |                             |           |                               | R                                       | REMARKS: 24hr. RUSH TAT on ALL samples   | thr. Rt   | JAT HS         | n ALL s     | amples  |                  |                              |            |            |            |            |               |   |
|  | Time:   |                                      |                                    |  |                  |                                      |                     |                             |           | 11                            |   |  |           |                |             |   |                  |                              |            |            |            |            |               |   |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other:   | Corrected Temp. °C 4, 80 C  | 30                                   |                                    | Sam                                    | Sample Condition | act ondition                         | \3                  |                             | 오         | ECKED E                       | 34:                                     | Rush: YES, 24hr.   | Standard  | Cool Intact    | B           | cteria (only) Sample Condition<br>Observed Temp. °C | Condition        |                              |            |            |            |            |               |   |
|  |   |                                      |                                    |  | No Co            | 8 3                                  |                     | 0                           | 4         | 0                             | 0 =                                     | Thermometer ID #143  | 1         | #140           | 8           |   | _                | Yes Yes                      | 2          |            |            |            |               |   |
|  |   |                                      |                                    |  |                  |                                      |                     |                             | 1.        | ,                             |   | Correction Factor 40,5 C   | or ad.5   | 1. of          |             | 19/24   | _                | □ No □ No Corrected Temp. °C | lo Corre   | ted Temp   | ດ          |            |               |   |

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| (010) 000 2020 1010  | 0) 000 = 110  | CANADA CA | to all to the continue of the               |   |   |
|--|---|--|---|---|---|
| Company Name: Tetra Tech   |   | BILL TO  |   | ANALYSIS REQUEST  | UEST  |
| Project Manager: Christian Llull   |   | P.O. #:  |   |   |   |
| Address: 8911 Capital o Texas Hwy, Suite 2310  |   | Company: Tetra Tech  |   |   |   |
| City: Austin State:  | TX Zip:   | Attn: Christian Llull  |   |   |   |
| Phone #: (512)565-0190 Fax #:  |   | Address: EMAIL   |   |   |   |
| Project #: 212C-MD-02933   | Project ConocoPhillips  | City:  |   |   |   |
| Project Name: Big George State #3 Release  |   | State: Zip:  |   | В   |   |
| Project Location: Eddy County, New Mexico  |   | Phone #:   |   | CI-   |   |
| Sampler Name: Colton Bickerstaff   |   | Fax#:  |   | 000   |   |
| FOR LAB USE ONLY   | MATRIX  | PRESERV. SAMPLING  |   |   |   |
| Lab I.D.   |   | 1  | 5M  |   |   |
| Sample I.D.  | RAB OR (C)O ONTAINERS OUNDWATER STEWATER L  | HER: D/BASE: // COOL HER:  | PH 8015                                     | hloride   |   |
| A/ BH-12-24C (0-1')  | 1 # V   | × 1  | +   | +   |   |
| BH-12-24C (1'-2')  | G 1 X   | X 1/9/2024   | X X   | X   |   |
| 33 BH-12-24C (2'-3')   | G 1 X   | X 1/9/2024   | XX  | X   |   |
| BH-12-24C (3'-4')  | G 1 X   | X 1/9/2024   | XX  | X   |   |
| <b>35</b> BH-12-24C (4'-5')  | G 1 X   | X 1/9/2024   | XX  | X   |   |
| <b>34</b> BH-12-24C (5'-6')  | G 1 X   | X 1/9/2024   | X   | ×   |   |
| <b>37</b> BH-12-24C (6'-7')  | G 1 X   | X 1/9/2024   | X   | ×   |   |
| 38 BH-12-24C (7'-8')   | G 1 X   | X 1/9/2024   | XX  | ×   |   |
| 349 BH-12-24C (8'-9')  | G 1 X   | X 1/9/2024   | X   | ×   |   |
| <b>30</b> BH-12-24C (9'-10')   | G 1 X   | X 1/9/2024   | XX  | ×   |   |
| PLEASE DOTE: Liability and Damages, Condrolls isability and desired suchaive remarks for any claim mixing whether issued in contract or the studies be interested and such processors and any other cause whateovers shall be deemed waved unless made in writing and received by Castinas within and applications of the any contract or the studies of the contract or the studies of the s | arising whether based in contract or tort, shall be limited to the amountion, business interruptions, loss of use, or loss of profits incurre Cardinal, regardless of whether such claim is based upon any of | nt paid by the client for the analyses. All clair ed by client, its subsidiaries, if the above stated reasons or otherwise.  | ns including those for negligence and ar    | y other cause whatsoever shall be deemed walved unit            | iless made in writing and received by Cardinal within 30 days after o |
| Relinquished By: Colton Bickerstaff Date: 1/09/24  | 9/24 Received By://   | 1111111  | Verbal Result:                              | □ No Add'I Phone #:   | Add'I Phone #:  |
| Time: ) L  | Welling Shi   | MARIEN   | Nicholas.Poole@tetratech.com                |   | O   |
| Relinquished By:   | Received By:  |  | REMARKS: 24hr. RUSH TAT on ALL samples      | AT on ALL samples   |   |
|  | _   |  |   |   |   |
| Delivered By: (Circle One)  Sampler - UPS - Bus - Other:  Corrected Temp. *C   | 8.h   | CHECKED BY:<br>(Initials)  | Turnaround Time: Standard  Rush: YES, 24hr. | Bacteria (only) Sample Condition  Cool Intact Observed Temp. *C |   |
|  | N   N   N   N   N   N   N   N   N   N   | Po.  | Thermometer ID #143 #                       | 10 1 1 0 veo ve   |   |
|  |   |  | 7   | N   ON   42/12/1  | No Corrected Temp. "C   |

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 45 of 46

ORM-006 R 3.2 10/07/21

Delivered By: (Circle One) Sampler - UPS - Bus - Other

Date:
Time: / // `U

Date:

Time:
Observed Temp. °C
Corrected Temp. °C

1.800

Sample Condition
Cool Intact
(No No No

CHECKED BY: (Initials)

urnaround Time: ush: YES, 24hr.

. J.

ē

Cool Intact

Observed Temp. °C

□ Ves □ Ves □ No □ No

Corrected Temp. \*C

Bacteria (only) Sample Condition

Received By:

REMARKS: 24hr. RUSH TAT on ALL samples

Relinquished By:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



aboratories

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

Relinquished By: Colton Bickerstaff Lab I.D. Sampler Name: Colton Bickerstaff Project Location: Eddy County, New Mexico Project Name: Big George State #3 Release Project #: Phone #: City: Austin Address: 8911 Capital o Texas Hwy, Suite 2310 Project Manager: Christian Llull Company Name: Tetra Tech BH-12-24D (6'-7') BH-12-24D (7'-8') BH-12-24D (9'-10") BH-12-24D (3'-4') BH-12-24D (1'-2') BH-12-24D (0-1') BH-12-24D (8'-9') BH-12-24D (5'-6') BH-12-24D (4'-5') BH-12-24D (2'-3') 212C-MD-02933 (512)565-0190 Sample I.D Fax #: Date: 1/09/24 State: Project X (G)RAB OR (C)OMP G G G G G G G G Zip: # CONTAINERS ConocoPhillips WASTEWATER SOIL SLUDGE OTHER Fax #: State: City: P.O. #: Phone #: Company: Tetra Tech Address: EMAIL Attn: Christian Llull ACID/BASE ICE / COOL OTHER BILL TO Zip: 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 1/9/2024 DATE SAMPLING Verbal Result: ☐ Yes ☐ No All Results are emailed. Please pro TIME **TPH 8015M** BTEX 8021B No Add'I Phone #:
provide Email address: Christian,Llull@tetratech.com Chloride SM4500CI-B ANALYSIS REQUEST AND

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

### **APPENDIX G NMSLO Seed Mixture**



### MAP LEGEND

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**Water Features** 

Transportation

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Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

### Area of Interest (AOI)

Area of Interest (AOI)

### Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

### Special Point Features

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Blowout

Borrow Pit

Clay Spot

**Closed Depression** 

Gravel Pit

**Gravelly Spot** 

Landfill Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2. 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

### 10

### Map Unit Legend

| Map Unit Symbol             | Map Unit Name  | Acres in AOI | Percent of AOI |
|-----------------------------|--|--------------|----------------|
| SG                          | Simona gravelly fine sandy loam, 0 to 3 percent slopes | 0.0          | 6.5%           |
| SM                          | Simona-Bippus complex, 0 to 5 percent slopes           | 0.5          | 93.5%          |
| Totals for Area of Interest |  | 0.5          | 100.0%         |

### **Map Unit Descriptions**

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

### **Eddy Area, New Mexico**

### SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

### **Map Unit Setting**

National map unit symbol: 1w5w Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

### **Map Unit Composition**

Simona and similar soils: 95 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Simona**

### Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

### **Typical profile**

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

### Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### **Minor Components**

### Simona

Percent of map unit: 4 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### Playa

Percent of map unit: 1 percent

Landform: Playas

Landform position (three-dimensional): Talf Down-slope shape: Concave, convex Across-slope shape: Concave, linear

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: Yes

### SM—Simona-Bippus complex, 0 to 5 percent slopes

### **Map Unit Setting**

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

### Map Unit Composition

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Simona**

### Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

### **Typical profile**

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### **Description of Bippus**

### Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

### Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

### **Properties and qualities**

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

### Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

### **Minor Components**

### Simona

Percent of map unit: 8 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### **Bippus**

Percent of map unit: 7 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

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### SLO Seed Mix SM Series

### 1 REVEGETATION PLANS

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico

| REVEGTATION<br>PLANS | CODE | SOIL TEXTURES   |
|----------------------|------|---|
| Clay                 | С    | Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)  |
| Loam                 | L    | Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam   |
| Sandy Loam           | SL   | Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam |
| Shallow              | SH   | Rocky Loam, Cobbly Loam   |
| Course               | CS   | Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam  |
| Sandy                | S    | Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand   |
| Blow Sand            | BS   | Fine Sand, Sand, Coarse Sand  |
| Mountain Meadow      | MM   | Clay, Loam  |
| Mountain Upland      | MU   | Clay Loam, Loam   |



### **NMSLO Seed Mix**

### Sandy Loam (SL)

### SANDY LOAM (SL) SITES SEED MIXTURE:

| COMMON NAME          | VARIETY            | APPLICATION<br>RATE (PLS/Acre) | DRILL<br>BOX |  |
|----------------------|--------------------|--------------------------------|--------------|--|
|                      |                    |                                |              |  |
| Grasses:             |                    |                                |              |  |
| Galleta grass        | Viva, VNS, So.     | 2.5                            | ${f F}$      |  |
| Little bluestem      | Cimmaron, Pastura  | 2.5                            | F            |  |
| Blue grama           | Hachita, Lovington | 2.0                            | D            |  |
| Sideoats grama       | Vaughn, El Reno    | 2.0                            | ${f F}$      |  |
| Sand dropseed        | VNS, Southern      | 1.0                            | S            |  |
| Forbs:               |                    |                                |              |  |
| Indian blanketflower | VNS, Southern      | 1.0                            | D            |  |
| Parry penstemon      | VNS, Southern      | 1.0                            | D            |  |
| Blue flax            | Appar              | 1.0                            | D            |  |
| Desert globemallow   | VNS, Southern      | 1.0                            | D            |  |
| Shrubs:              |                    |                                |              |  |
| Fourwing saltbush    | VNS, Southern      | 2.0                            | D            |  |
| Common winterfat     | VNS, Southern      | 1.0                            | $\mathbf{F}$ |  |
| Apache plume         | VNS, Southern      | 0.75                           | ${f F}$      |  |
|                      | Total PLS/acro     | e 17.75                        |              |  |

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



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

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

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

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

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

QUESTIONS

Action 355666

### **QUESTIONS**

| Operator:          | OGRID:   |
|--------------------|--|
| COG OPERATING LLC  | 229137   |
| 600 W Illinois Ave | Action Number:   |
| Midland, TX 79701  | 355666   |
|                    | Action Type:   |
|                    | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### QUESTIONS

| Prerequisites    |   |
|------------------|---|
| Incident ID (n#) | nMLB1209641725                                      |
| Incident Name    | NMLB1209641725 BIG GEORGE STATE #003 @ 30-015-28759 |
| Incident Type    | Produced Water Release                              |
| Incident Status  | Remediation Plan Received                           |
| Incident Well    | [30-015-28759] BIG GEORGE STATE #003                |

| Location of Release Source                     |                       |
|--|-----------------------|
| Please answer all the questions in this group. |                       |
| Site Name                                      | BIG GEORGE STATE #003 |
| Date Release Discovered                        | 03/12/2012            |
| Surface Owner                                  | State                 |

| Incident Details   |                        |
|--|------------------------|
| Please answer all the questions in this group.   |                        |
| Incident Type  | Produced Water Release |
| Did this release result in a fire or is the result of a fire   | No                     |
| Did this release result in any injuries  | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                     |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

| Nature and Volume of Release   |   |  |
|--|---|--|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |   |  |
| Crude Oil Released (bbls) Details  | Not answered.   |  |
| Produced Water Released (bbls) Details   | Cause: Corrosion   Fitting   Produced Water   Released: 8 BBL   Recovered: 7 BBL   Lost: 1 BBL. |  |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Yes   |  |
| Condensate Released (bbls) Details   | Not answered.   |  |
| Natural Gas Vented (Mcf) Details   | Not answered.   |  |
| Natural Gas Flared (Mcf) Details   | Not answered.   |  |
| Other Released Details   | Not answered.   |  |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Not answered.   |  |

District I

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 355666

| Phone:(505) 476-3470 Fax:(505) 476-3462   |   |
|---|---|
| QUESTI  | ONS (continued)   |
| Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701   | OGRID:  |
| QUESTIONS   |   |
| Nature and Volume of Release (continued)  |   |
| Is this a gas only submission (i.e. only significant Mcf values reported)   | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC  | No  |
| Reasons why this would be considered a submission for a notification of a major release                               | Unavailable.  |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.                | e. gas only) are to be submitted on the C-129 form.                               |
| Initial Response  The responsible party must undertake the following actions immediately unless they could create a s | afety hazard that would result in injury.   |
| The source of the release has been stopped  | True  |
| The impacted area has been secured to protect human health and the environment  | True  |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices    | True  |
| All free liquids and recoverable materials have been removed and managed appropriately                                | True  |
| If all the actions described above have not been undertaken, explain why  | Not answered.   |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

Name: Christian LLuLL Title: Project Manager I hereby agree and sign off to the above statement Email: christian.llull@tetratech.com Date: 06/18/2024

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

QUESTIONS, Page 3

Action 355666

**QUESTIONS** (continued)

| Operator:          | OGRID:   |
|--------------------|--|
| COG OPERATING LLC  | 229137   |
| 600 W Illinois Ave | Action Number:   |
| Midland, TX 79701  | 355666   |
|                    | Action Type:   |
|                    | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### QUESTIONS

| Site Characterization   |                                |  |
|---|--------------------------------|--|
| Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date. |                                |  |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)  | Between 51 and 75 (ft.)        |  |
| What method was used to determine the depth to ground water   | Attached Document              |  |
| Did this release impact groundwater or surface water  | No                             |  |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas:   |                                |  |
| A continuously flowing watercourse or any other significant watercourse   | Between 1000 (ft.) and ½ (mi.) |  |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)   | Between 1 and 5 (mi.)          |  |
| An occupied permanent residence, school, hospital, institution, or church   | Greater than 5 (mi.)           |  |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes   | Between 1 and 5 (mi.)          |  |
| Any other fresh water well or spring  | Greater than 5 (mi.)           |  |
| Incorporated municipal boundaries or a defined municipal fresh water well field   | Greater than 5 (mi.)           |  |
| A wetland   | Greater than 5 (mi.)           |  |
| A subsurface mine   | Greater than 5 (mi.)           |  |
| An (non-karst) unstable area  | Greater than 5 (mi.)           |  |
| Categorize the risk of this well / site being in a karst geology  | Medium                         |  |
| A 100-year floodplain   | Greater than 5 (mi.)           |  |
| Did the release impact areas not on an exploration, development, production, or storage site  | No                             |  |

| Remediation Plan   |   |   |
|--|---|---|
| Please answer all the questions t  | hat apply or are indicated. This information must be provided t   | o the appropriate district office no later than 90 days after the release discovery date.                           |
| Requesting a remediation   | plan approval with this submission  | Yes   |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC |   |   |
| Have the lateral and vertical  | al extents of contamination been fully delineated   | Yes   |
| Was this release entirely of   | ontained within a lined containment area  | No  |
| Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)   |   | nilligrams per kilograms.)  |
| Chloride   | (EPA 300.0 or SM4500 CI B)  | 20000   |
| TPH (GRO+DRO+MRO)  | (EPA SW-846 Method 8015M)   | 4041  |
| GRO+DRO  | (EPA SW-846 Method 8015M)   | 3400  |
| BTEX   | (EPA SW-846 Method 8021B or 8260B)  | 0   |
| Benzene  | (EPA SW-846 Method 8021B or 8260B)  | 0   |
|  | NMAC unless the site characterization report includes complete<br>nelines for beginning and completing the remediation. | ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, |
| On what estimated date w   | ill the remediation commence  | 10/21/2024  |
| On what date will (or did) t   | he final sampling or liner inspection occur   | 10/22/2024  |
| On what date will (or was)   | the remediation complete(d)   | 10/25/2024  |
| What is the estimated surf   | ace area (in square feet) that will be reclaimed  | 4481  |
| What is the estimated volu   | me (in cubic yards) that will be reclaimed  | 445   |
| What is the estimated surf   | ace area (in square feet) that will be remediated   | 4481  |
| What is the estimated volu   | me (in cubic yards) that will be remediated   | 445   |
| These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.        |   |   |

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 355666

**QUESTIONS** (continued)

| Operator:          | OGRID:   |
|--------------------|--|
| COG OPERATING LLC  | 229137   |
| 600 W Illinois Ave | Action Number:   |
| Midland, TX 79701  | 355666   |
|                    | Action Type:   |
|                    | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### QUESTIONS

| Remediation Plan (continued)  |  |
|---|--|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. |  |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:   |  |
| (Select all answers below that apply.)  |  |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)  | Yes  |
| Which OCD approved facility will be used for off-site disposal  | HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] |
| OR which OCD approved well (API) will be used for off-site disposal   | Not answered.                                  |
| OR is the off-site disposal site, to be used, out-of-state  | Not answered.                                  |
| OR is the off-site disposal site, to be used, an NMED facility  | Not answered.                                  |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)  | Not answered.                                  |
| (In Situ) Soil Vapor Extraction   | Not answered.                                  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)   | Not answered.                                  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)  | Not answered.                                  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)  | Not answered.                                  |
| Ground Water Abatement pursuant to 19.15.30 NMAC  | Not answered.                                  |
| OTHER (Non-listed remedial process)   | Not answered.                                  |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Christian LLuLL Title: Project Manager

Email: christian.llull@tetratech.com Date: 06/18/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 355666

| <b>QUESTIONS</b> | (continued)               |
|------------------|---------------------------|
| QUESTIONS!       | COH I III I I I I C C I I |

| Operator:          | OGRID:   |
|--------------------|--|
| COG OPERATING LLC  | 229137   |
| 600 W Illinois Ave | Action Number:   |
| Midland, TX 79701  | 355666   |
|                    | Action Type:   |
|                    | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

### QUESTIONS

| Deferral Requests Only   |    |  |
|--|----|--|
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |  |
| Requesting a deferral of the remediation closure due date with the approval of this submission   | No |  |

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

QUESTIONS, Page 6

Action 355666

**QUESTIONS** (continued) OGRID:

Operator: COG OPERATING LLC 229137 600 W Illinois Ave Action Number: Midland, TX 79701 355666 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

| Sampling Event Information                   |                |  |
|--|----------------|--|
| Last sampling notification (C-141N) recorded | {Unavailable.} |  |
| Paradiction Closure Paraset                  |                |  |

### Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. Requesting a remediation closure approval with this submission No

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

CONDITIONS

Action 355666

### **CONDITIONS**

| Operator:          | OGRID:   |  |
|--------------------|--|--|
| COG OPERATING LLC  | 229137   |  |
| 600 W Illinois Ave | Action Number:   |  |
| Midland, TX 79701  | 355666   |  |
|                    | Action Type:   |  |
|                    | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |  |

### CONDITIONS

| Created<br>By | Condition  | Condition<br>Date |
|---------------|--|-------------------|
| bhall         | Remediation plan approved. A complete and accurate closure and reclamation report will need to be submitted through the OCD Permitting website by 9/21/2024.   | 6/21/2024         |
| bhall         | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.  | 6/21/2024         |
| bhall         | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 6/21/2024         |