

July 7, 2020

Mike Bratcher Oil Conservation Division, District 2 811 S First St. Artesia, NM 88210

Work Plan

Vasquez #001 RP#: 2RP-5702 Incident#: NRM1932257155 DOR: October 9, 2019 GPS: 32.2315331 -104.0559235 Unit Letter J, Section 11, Township 24 South, Range 28 East Eddy County, New Mexico

To Whom It May Concern,

COG Operating, LLC (COG) is pleased to submit the following work plan in response to a release that occurred at the Vasquez #001 tank battery. The release is located in Unit Letter J, Section 11, Township 24 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2315331 North and -104.0559235 West.

BACKGROUND

The release was discovered on October 9, 2019. A C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD). The initial C-141 is presented in Appendix A. Due to internal corrosion of a tank, a release of approximately forty-two (42) barrels (bbls) of produced water occurred inside of the unlined containment. Fluid leached through the earthen berm and impacted the well pad east of the containment.

On May 15, 2020, a geo-probe was utilized to vertically delineate the impacted area and collect background samples from the surrounding area.

GROUNDWATER AND REGULATORY FRAMEWORK

According to the United States Geological Survey (USGS) the nearest water well (321343104025801) is located approximately 0.4 miles southeast of the release site and indicates that groundwater in the project vicinity is approximately thirty-six (36) feet below ground surface (BGS). The water well information is shown in Appendix B.

A risk based evaluation and site determinations were performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site characterization evaluation, no other receptors (water wells, playas, karst, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

General Site Characterization and Groundwater:

| Site Characterization | Average Groundwater Depth (ft.) |
|-----------------------|---------------------------------|
| None Located | 36 Feet |

Delineation and Closure Criteria:

| Recommended Remedial Action Levels (RRALs) | | |
|--|-----------|--|
| Chlorides | 600 mg/kg | |
| TPH (GRO and DRO and MRO) | 100 mg/kg | |
| TPH (GRO and DRO) | N/A | |
| Benzene | 10 mg/kg | |
| Total BTEX | 50 mg/kg | |

PROPOSED WORK PLAN

- The impacted area in the vicinity of sample location SB-1 will be excavated to a depth of three (3) feet BGS.
- Due to the production equipment the impacted area inside of the berms of the tank battery will be deferred until abandonment of the facility.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with clean "like" material and contoured to match the surrounding terrain.

SAMPLING PLAN

Once the excavation is complete, confirmation soil samples will be collected from the excavated areas. To collect representative samples, composite samples (5-point composite) will be collected every 200 square feet from the bottom and sidewalls of the excavated area. The soil samples will be laboratory analyzed for the constituents of concern. Discrete soil samples will be collected from the excavation if any "hot spots" are encountered during the excavation.

REMEDIATION TIMEFRAME AND ESTIMATED VOLUME

The remediation will be performed 90 days after the work plan has been approved. Approximately forty-seven (47) cubic yards of soil will be excavated and hauled offsite for proper disposal.

SITE RECLAMATION AND RESTORATION

All of the fluid remained on the well pad. No reclamation activities will be required at this site.

Should you have any questions or concerns on the proposed remediation activities, please do not hesitate to contact me.

Sincerely,

Sincerely,

Sheldon Jutan

Sheldon L. Hitchcock HSE Coordinator slhitchcock@concho.com

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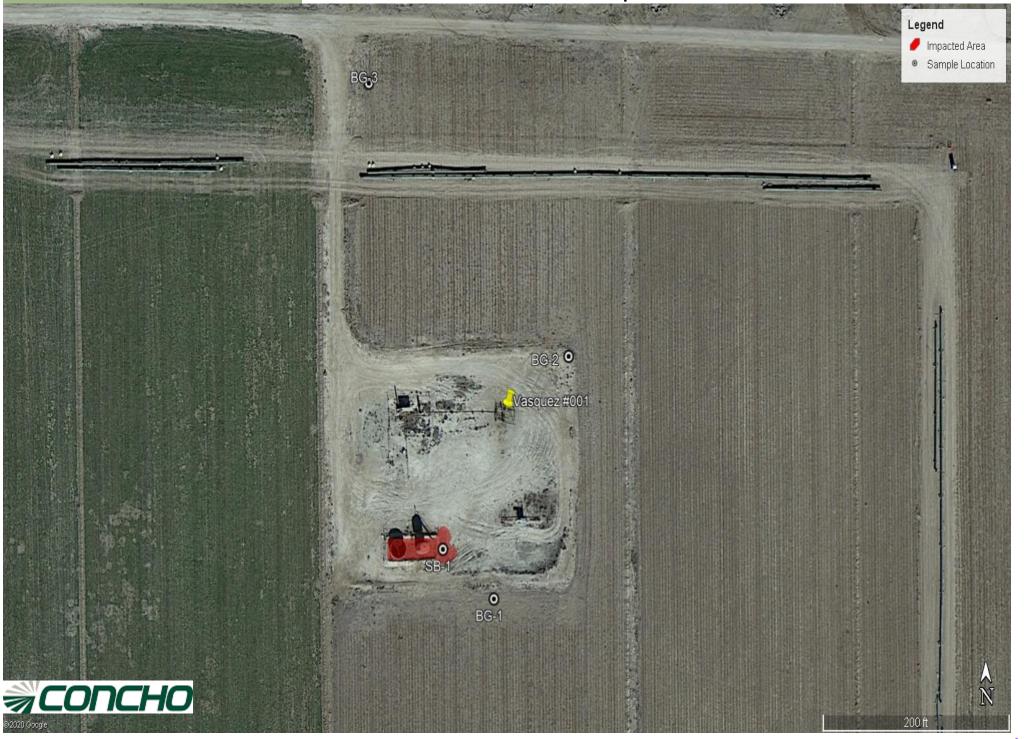
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FIGURES



October 5, 2019

Vasquez #001





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TABLES

Table 1 COG Operating LLC. Vasquez #001 Eddy County, New Mexico

| Sample | | | Soil | Status TPH (mg/kg) | | | | | Benzene Total BTEX | Chloride | | | | |
|-----------------|-------------|-------------|---------|--------------------|-------|-------|-------|-------|--------------------|----------|-------|---------|---------|---------|
| Sample ID | Depth (ft) | Sample Date | In-Situ | Removed | GRO | DRO | MRO | Total | GRO | DRO | Total | (mg/kg) | (mg/kg) | (mg/kg) |
| NMOCD RRAL Lim | its (mg/kg) | | | | - | - | - | 2,500 | - | - | 1,000 | 10 | 50 | 20,000 |
| SB-1 | 0-1 | 5/15/2020 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | <10.0 | <10.0 | 0.0 | <0.050 | <0.300 | 4,800 |
| SB-1 | 2 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 1,070 |
| SB-1 | 3 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 368 |
| BG-1 | 0-1 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 80 |
| BG-1 | 2 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 80 |
| BG-1 | 3 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| BG-1 | 4 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 112 |
| BG-1 | 5 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 272 |
| BG-1 | 6 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| BG-1 R | 7 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 80 |
| BG-2 | 0-1 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 112 |
| BG-2 | 2 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 128 |
| BG-2 | 3 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 128 |
| BG-2 | 4 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 112 |
| BG-2 | 5 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 144 |
| BG-2 | 6 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 144 |
| BG-2 | 7 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 144 |
| BG-2 | 8 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 64 |
| BG-2 | 9 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 288 |
| BG-2 | 10 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| BG-2 R | 11 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 144 |
| BG-3 | 0-1 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| BG-3 | 2 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 112 |
| BG-3 | 3 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| BG-3 | 4 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 144 |
| BG-3 | 5 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 160 |
| BG-3 R | 6 | 5/15/2020 | Х | | # | # | # | # | # | # | # | # | # | 96 |
| | | | | | | | | | | | | | | |
| Avg BG Chloride | 126.01 | | | | | | | | | | | | | |

Proposed Excavation Depth

(#) Not Analyzed

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APPENDIX A

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

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

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

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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

Release Notification

Responsible Party

| Responsible Party | OGRID |
|-------------------------|------------------------------|
| Contact Name | Contact Telephone |
| Contact email | Incident # (assigned by OCD) |
| Contact mailing address | |

Location of Release Source

Longitude

| | (NAD 83 in decimal degrees to 5 decimal places) |
|-----------|---|
| | |
| Sita Nama | Site Type |

| Site Name | Site Type |
|-------------------------|----------------------|
| Date Release Discovered | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| | | | | |

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
|------------------|--|---|
| Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| Cause of Release | | |
| | | |

| Page | 2 |
|-------|---|
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Oil Conservation Division

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

| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
|---|---|
| release as defined by 19.15.29.7(A) NMAC? | |
| 🗌 Yes 🗌 No | |
| | |
| | |
| If YES, was immediate no | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| | |
| | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Sheldon guitan | Date: |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |

Received by OCD: 7/7/2020 12:52:45 PM Form C-141 State of New Mexico

Oil Conservation Division

| | Page 12 of 4 | 44 |
|----------------|--------------|----|
| 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 not 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
 Field data
 Data table of soil contaminant concentration data
 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

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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| Received by OCD: 7/7/20 | 20 12:52:45 PM State of New Mexico | | | Page 13 of 44 |
|---|---|--|--|---|
| | | | Incident ID | |
| Page 4 | Oil Conservation Division | | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. | ormation given above is true and complete to the e required to report and/or file certain release no ment. The acceptance of a C-141 report by the gate and remediate contamination that pose a thu of a C-141 report does not relieve the operator o | tifications and perform cc OCD does not relieve the reat to groundwater, surfa f responsibility for compl | prrective actions for rele e operator of liability sh- ice water, human health liance with any other fe | eases which may endanger ould their operations have or the environment. In deral, state, or local laws |
| Signature: | Hulom | Date: | | |
| email: | | Telephone: | | |
| OCD Only Received by: | | Date: | | |

Received by OCD: 7/7/2020 12:52:45 PM Form C-141 State of New Mexico

Oil Conservation Division

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

Remediation Plan

| <u>Remediation Plan Checklist</u> : Each of the following items must b | e 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) | | | | | |
| Deferral Requests Only: Each of the following items must be con | nfirmed as part of any request for deferral of remediation. | | | | |
| Contamination must be in areas immediately under or around p deconstruction. | roduction equipment where remediation could cause a major facility | | | | |
| Extents of contamination must be fully delineated. | | | | | |
| Contamination does not cause an imminent risk to human healt | h, the environment, or groundwater. | | | | |
| | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of | | | | |
| Printed Name: | | | | | |
| Signature: Sheldon Aiton email: | Date: | | | | |
| email: | Telephone: | | | | |
| OCD Only | | | | | |
| | Dete | | | | |
| Received by: | | | | | |
| Approved Approved with Attached Conditions of Approval Denied Deferral Approved | | | | | |
| Signature: Justunes | Date: 09/10/2020 | | | | |

Oil Conservation Division

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

Closure

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

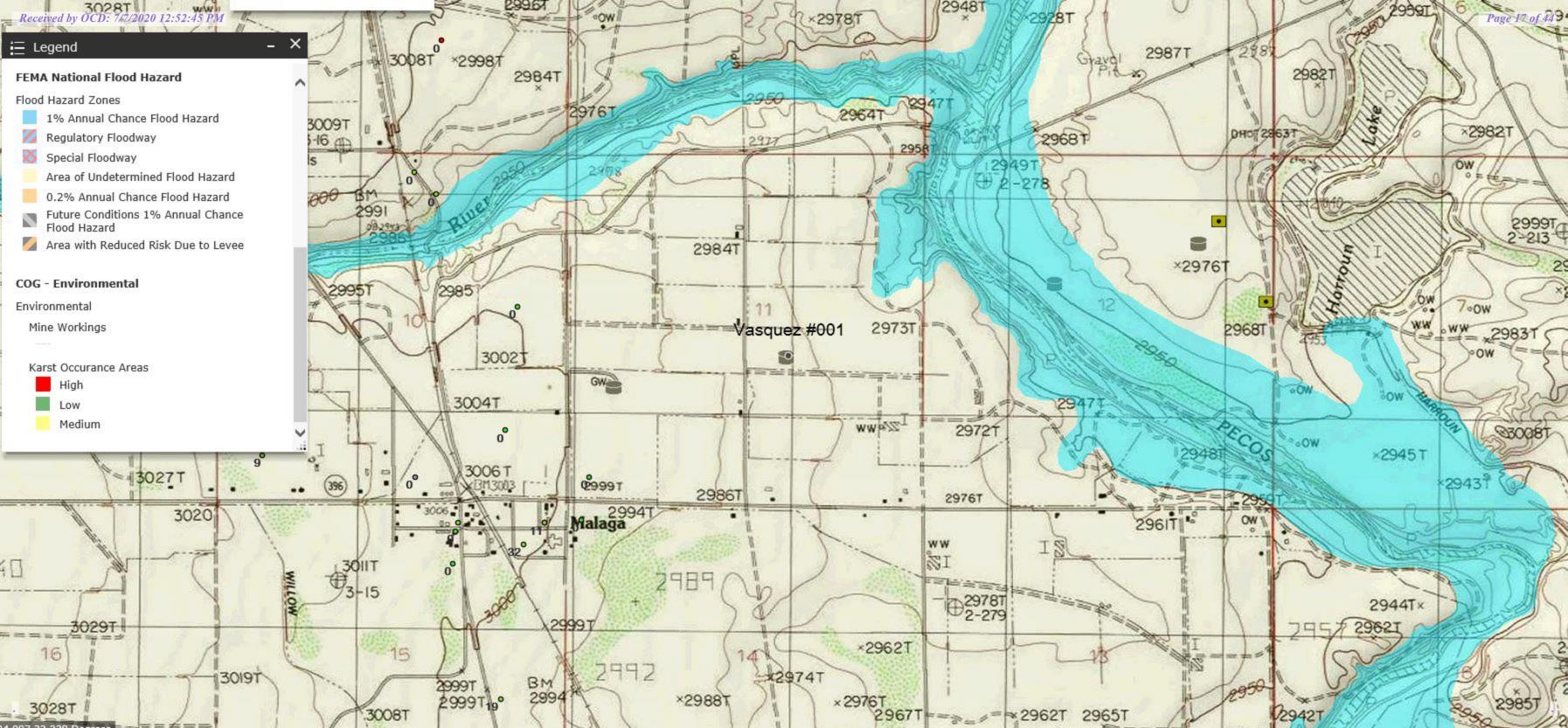
| <u>Closure Report Attachment Checklist</u> : Each of the following i | items must be included in the closure report. |
|--|--|
| A scaled site and sampling diagram as described in 19.15.29.1 | 11 NMAC |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C Printed Name: | ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |

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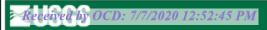
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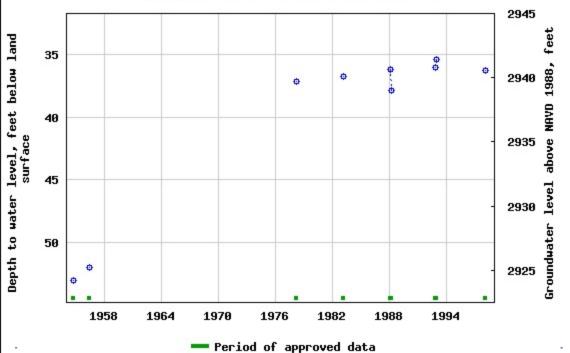
APPENDIX B







USGS 321343104025801 24S.28E.11.44211



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May 21, 2020

DAVID ADKINS TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VASQUEZ #001

Enclosed are the results of analyses for samples received by the laboratory on 05/20/20 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: SB - 1 0-1' (H001382-01)

| BTEX 8021B | mg/ | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/20/2020 | ND | 1.92 | 95.8 | 2.00 | 6.49 | |
| Toluene* | <0.050 | 0.050 | 05/20/2020 | ND | 1.96 | 97.8 | 2.00 | 6.73 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/20/2020 | ND | 2.01 | 101 | 2.00 | 6.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/20/2020 | ND | 5.87 | 97.8 | 6.00 | 7.05 | |
| Total BTEX | <0.300 | 0.300 | 05/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4800 | 16.0 | 05/21/2020 | 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 | 05/20/2020 | ND | 190 | 95.0 | 200 | 1.97 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/20/2020 | ND | 186 | 93.1 | 200 | 4.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.5 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.8 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whother is subsidiaries, affiliates or successor 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: SB - 1 2' (H001382-02)

| 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 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: SB - 1 3' (H001382-03)

| Chloride, SM4500Cl-B mg/kg | | | Analyze | d By: AC | | | | | |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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, whother 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| 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 |

Cardinal Laboratories

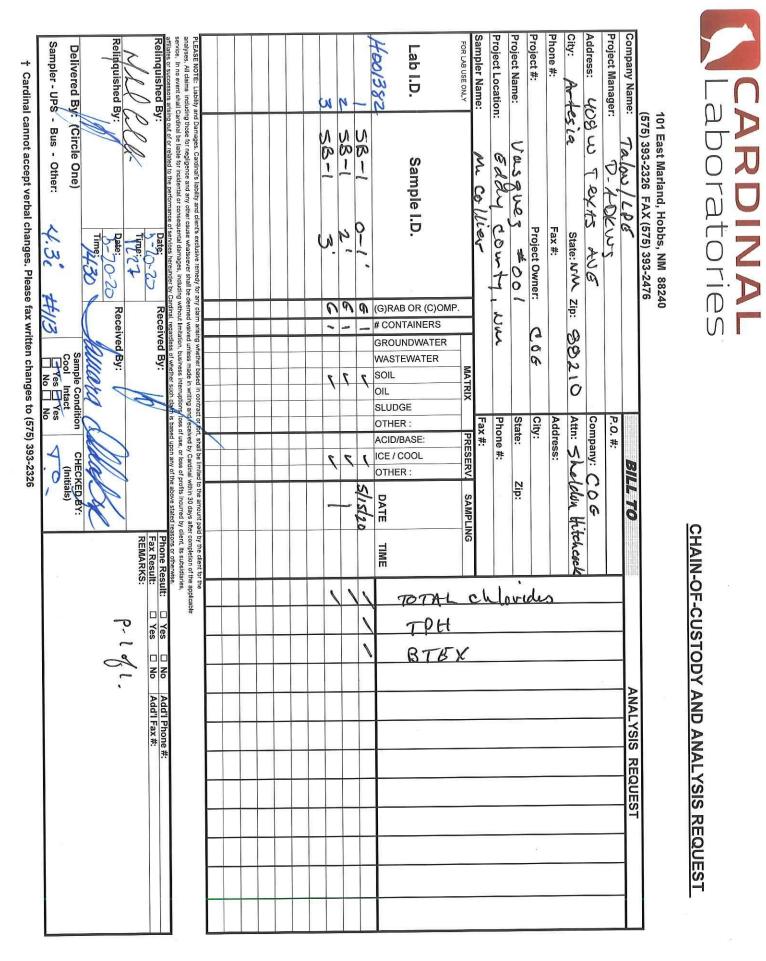
*=Accredited Analyte

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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 7/7/2020 12:52:45 PM



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Page 5 of 5



May 21, 2020

DAVID ADKINS TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VASQUEZ #001

Enclosed are the results of analyses for samples received by the laboratory on 05/20/20 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|------------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - SHELDON H. | | |

Sample ID: BG - 1 0-1' (H001380-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 1 2' (H001380-02)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 1 3' (H001380-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 1 4' (H001380-04)

| 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 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|------------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - SHELDON H. | | |

Sample ID: BG - 1 5' (H001380-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 1 6' (H001380-06)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BG - 1 7' R (H001380-07)

| 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 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

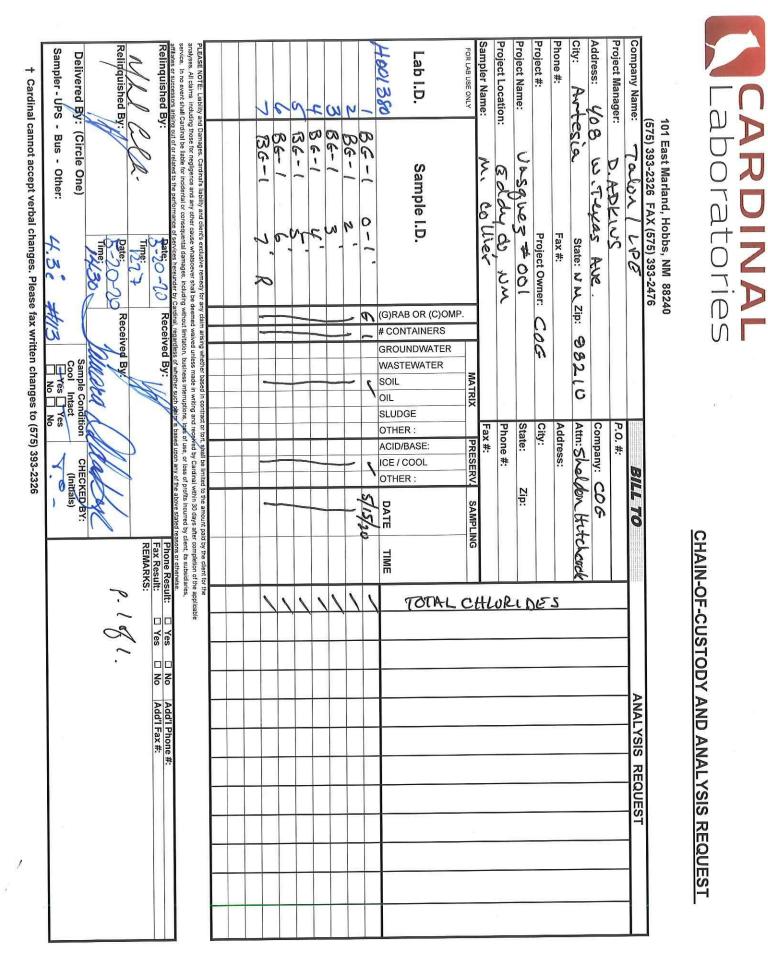
*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 7/7/2020 12:52:45 PM



Page 29 of 44

Page 5 of 5



May 21, 2020

DAVID ADKINS TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VASQUEZ #001

Enclosed are the results of analyses for samples received by the laboratory on 05/20/20 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: BG - 2 0-1' (H001384-01)

| 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 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 2' (H001384-02)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 3' (H001384-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 4' (H001384-04)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: BG - 2 5' (H001384-05)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 6' (H001384-06)

| Chloride, SM4500Cl-B | I500Cl-B mg/kg | | | d By: AC | | | | | |
|----------------------|----------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 7' (H001384-07)

| Chloride, SM4500Cl-B | 500Cl-B mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|---------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 8' (H001384-08)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 9' (H001384-09)

| Chloride, SM4500Cl-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 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

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*=Accredited Analyte

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Celez D. Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: BG - 2 10' (H001384-10)

| 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 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BG - 2 11' R (H001384-11)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/21/2020 | ND | 400 | 100 | 400 | 7.69 | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| And Control Control <thcontrol< th=""> Control<th></th><th>Delivered By: (Circle One)</th></thcontrol<> | | Delivered By: (Circle One) |
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| plicable | service. In no event shall Cardinal be lable for incidential or consequential usingly-quintering of the such datin affliants or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such datin Relinquished By: Date: Received By: | service. In no event shall Carr affiliates or successors arising Relinquished By: |
| | PLEASE NOTE: Liability and Damages. Cardina's liability and clerits exclusive remedy for any dam arising whether based in contractor tort, shall be limited to the amount pace Outpetion or the applicable PLEASE NOTE: Liability and Damages. Cardina's liability and clerits exclusive remedy for any dam whether damages and the openic damages. Cardina's liability and the completion of the applicable analyses. All claims including those for negligence and any other cause whatsoncer shall be deemed warked unless made in writing and received by claims including those for negligence and any other cause whatsoncer shall be deemed warked unless made in writing and received by claims including those for negligence and any other cause whatsoncer shall be deemed warked unless made in writing and received by claims in sub-side in the stability of the stabili | PLEASE NOTE: Liability |
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| P.O. #: | | Project Manager: |
| | 10: TALOU/LPG | Company Name: |

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | Project Location: | Arry CO. Arry Co. Arry Co. Manual India labelity and elents exclusive remedy for any claim arising whether is enclusive remedy for any claim arising whether is ence and any other cause whatsoorer shall be deemed whether is an india or consequential demage, including whether is been whatsoorer shall be deemed whether is and the performance of services heardnes including whether is cardinal teardings including whether is cardinal teardings including whether is cardinal teardings of whether is cardinal tearget what is cardinal teardings of whether is cardinal teardings of the isomethy tearding teard | Fax #: PRESERV SAMPLING OIL OIL SLUDGE OIL SLUDGE OTHER : ased in contrast or fort shaped by the of the amount paid by the of the amount paid by the of the such damin brased upon any of the above stated recompletion the such damin brased upon any of the above stated recompletion for the above stated recompletion of the above state recompletion of the |
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| ame: ULSURG CC City: ame: ULSURG COIL State: Zip: Name: M. CoULY Marrier Phone #: Phone #: Name: M. CoULY Fax #: Fax #: Fax #: Name: M. CoUNDWATER MATRIX PRESERV SAMPLING No. GROUNDWATER SOIL OIL SAMPLING No. GROUNDWATER SOIL DATE TIME No. GROUNDWATER SAMPLING SAMPLING SAMPLING No. GROUNDWATER SOIL SAMPLING SAMPLING No. GROUNDWATER SOIL SAMPLING SAMPLING No. GROUNDWATER SAC | ame: | Project Owner: | ē " |
| ame: ULSQUES ACOI State: Zip: Name: M. Colley MM Fax#: Phone #: Name: M. Colley MM Fax#: Fax#: Name: M. Colley MATRX PRESERV Sample I.D. Name: MATRX PRESERV Sample I.D. Fax#: Name: MATRX PRESERV Sample I.D. Fax#: Name: GROUNDWATER MATRX PRESERV Samplu G Name: GROUNDWATER MATRX PRESERV Samplu G Name: GROUNDWATER MATRX PRESERV Samplu G Name: GROUNDWATER Soil OIL DATE TIME Name: MATRX Soil DATE TIME Name: MATRX Soil DATE TIME Name: MATRX Soil DATE TIME | ame: | squez # 001 | * |
| B G Sample I.D. Fax: C GROUNDWATER MATRIX Fax: C GROUNDWATER WASTEWATER OIL OIL OIL OIL SUUDGE OTHER : ACID/BASE: ICE / COOL OTHER : ACID/BASE: ICE / COOL OTHER : | | | Phone #: |
| B G Sample I.D. C (G)RAB OR (C)OMP. C | | NA CIN | |
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| G-2 11 R G11 r S13/20 | £ | (G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER | OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : |
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| | PLEASE NOTE: Liability and Damages, Cardin analyses, All claims including those for negliger | inal's liability and client's exclusive remedy for any claim arising whether ba ence and any other cause whatsoever shall be deemed waived unless mac | ased in contract or tort, shall-be limited to the amount paid by the ci de in writing and received by Cardinal within 30 days after completing in the complete integration of the contract of the complete integration of the contract of the |
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| | affiliates or successors arising out of or related Relinquished By: | to the performance of security of the matter of the performance of security of the security of | 1 // Fax R |
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| | Sampler - UPS (- Bus - C | 4.3c #13 | No |
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+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



May 21, 2020

DAVID ADKINS TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VASQUEZ #001

Enclosed are the results of analyses for samples received by the laboratory on 05/20/20 14:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: BG - 3 0-1' (H001381-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 3 2' (H001381-02)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 3 3' (H001381-03)

| Chloride, SM4500Cl-B | oride, SM4500Cl-B mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|-------------------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 3 4' (H001381-04)

| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

| Received: | 05/20/2020 | Sampling Date: | 05/15/2020 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 05/21/2020 | Sampling Type: | Soil |
| Project Name: | VASQUEZ #001 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO | | |

Sample ID: BG - 3 5' (H001381-05)

| Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BG - 3 6' R (H001381-06)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/21/2020 | ND | 432 | 108 | 400 | 0.00 | |

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

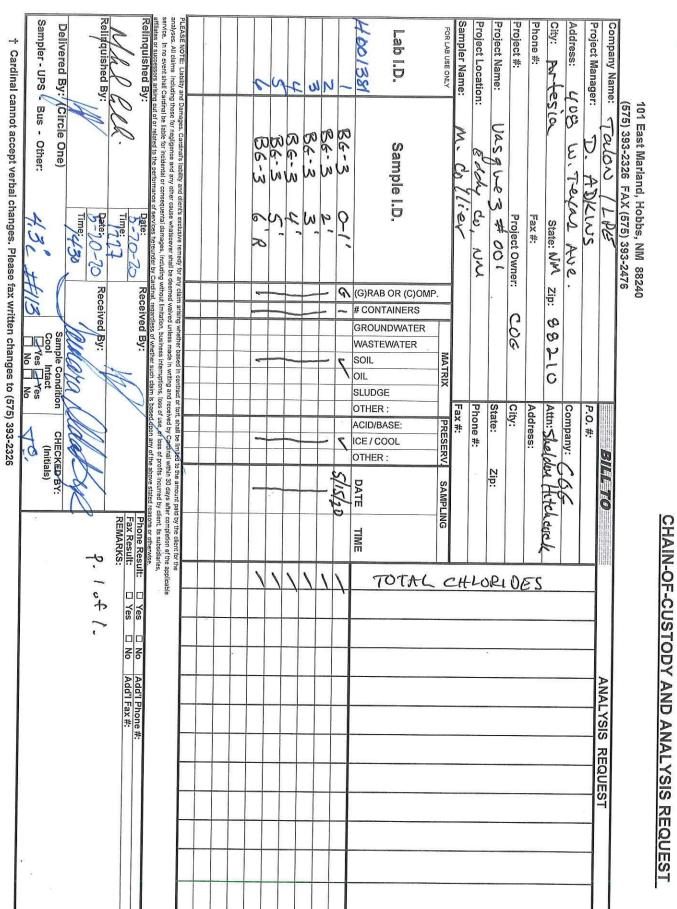
*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 7/7/2020 12:52:45 PM



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Laboratories

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APPENDIX D



③ 159°S (T) ④ 32°13.877', -104°3.375' ±16ft ▲ 2967ft



EDDY COUNTY, NM API #30-015-23850

10 Oct 2019, 10:20:11

