

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

| | |
|----------------|--|
| 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

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------|----------------------|
| 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)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

State of New Mexico
Oil Conservation Division

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

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice 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

| |
|--|
| <input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> 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: <u>Jenni Usher</u> Date: _____ email: _____ Telephone: _____ |
| <u>OCD Only</u> Received by: _____ Date: _____ |

| | |
|----------------|--|
| Incident ID | |
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| Facility ID | |
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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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input type="checkbox"/> 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

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| Incident ID | |
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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: *Jenni Usher* _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

| | |
|----------------|--|
| Incident ID | |
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| Facility ID | |
| Application ID | |

Remediation 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)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral 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 health, 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: Jenni Usher Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

| | |
|----------------|--|
| Incident ID | |
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| Facility ID | |
| Application ID | |

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Release Notification

Responsible Party

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

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------|----------------------|
| 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)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

State of New Mexico
Oil Conservation Division

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| Printed Name: _____ Title: _____ Signature: <u>Jenni Usher</u> Date: _____ email: _____ Telephone: _____ |
| <u>OCD Only</u> Received by: _____ Date: _____ |

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Site Assessment/Characterization

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|---|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | _____ (ft bgs) |
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| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> 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 1/2-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.

State of New Mexico
Oil Conservation Division

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Printed Name: _____ Title: _____

Signature: Jenni Usher Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

| | |
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| Incident ID | |
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Remediation 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)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral 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 health, the environment, or groundwater.

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Printed Name: _____ Title: _____

Signature: Jenni Usher Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

| | |
|----------------|--|
| Incident ID | |
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Closure

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

| | |
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| Incident ID | |
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Remediation Plan

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Printed Name: _____ Title: _____

Signature: Jenni Usher Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: _____

SITE INFORMATION

Report Type: Work Plan

General Site Information:

| | | | | | |
|------------------------------------|---|---------|-------|-------------|--|
| Site: | Dorstate SWD | | | | |
| Company: | Permian Water Solutions | | | | |
| Section, Township and Range | Unit H | Sec. 27 | T 25S | R 28E | |
| Lease Number: | API No. 30-015-23728 | | | | |
| County: | Eddy | | | | |
| GPS: | 32.102684 | | | -104.068565 | |
| Surface Owner: | State | | | | |
| Directions: | From the intersection of HWY 285 and Whites City Rd in rural Eddy County, travel north on HWY 285 for 2.8 miles, turn east onto lease road and continue for 0.20 miles to location on north side of lease road. | | | | |
| Release Data: | 2RP-4364 | | | | |
| Date Released: | 8/23/2017 | | | | |
| Type Release: | Produced Water | | | | |
| Source of Contamination: | Sump Overflow | | | | |
| Fluid Released: | 25 bbls | | | | |
| Fluids Recovered: | 0 bbls | | | | |

Official Communication:

| | | | |
|----------------------|--|--|--|
| Name: | James Corbitt | | Clair Gonzales |
| Company: | Permian Water Solutions | | Tetra Tech |
| Address: | 415 W. Wall St. | | 901 West Wall Street |
| | Suite 320 | | Suite 100 |
| City: | Midland, TX 79701 | | Midland, Texas |
| Phone number: | (432) 305-4124 | | (432) 687-8110 |
| Fax: | | | |
| Email: | james@permianws.com | | Clair.Gonzales@tetrattech.com |

Site Characterization

| | |
|------------------------------|---------------|
| Depth to Groundwater: | Less than 50' |
| Karst Potential: | Medium |

Recommended Remedial Action Levels (RRALs)

| Benzene | Total BTEX | TPH (GRO+DRO+MRO) | Chlorides |
|----------|------------|-------------------|-----------|
| 10 mg/kg | 50 mg/kg | 100 mg/kg | 600 mg/kg |



November 12, 2019

New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, New Mexico 87504

Re: Site Characterization Report for the Permian Water Solutions, LLC., Dorstate SWD, Unit H, Section 27, Township 25 South, Range 28 East, Eddy County, New Mexico.

Tetra Tech, Inc. (Tetra Tech) was contacted by Permian Water Solutions, LLC. (Permian Water Solutions) to assess the impacted areas at the Dorstate SWD, Unit H, Section 27, Township 25 South, Range 28 East, Eddy County, New Mexico. The site coordinates are 32.102684°, -104.068565°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, submitted by Cambrian Management, LTD., the release was discovered on August 23, 2017, and released approximately 25 barrels of produced water due to overflowing sumps. None of the fluids were recovered. The initial C-141 Forms are included in Appendix A.

Basin Environmental Service Technologies (Basin Environmental) submitted a Corrective Action Plan dated August 28, 2018, which detailed sampling activities performed at the site. A copy of the Corrective Action Plan, as well as the data obtained is included in Appendix D.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is located in a medium karst potential area. The nearest well is listed on the New Mexico Office of the State Engineer's website in Section 26, approximately 0.70 miles east-northeast of the site and has a reported depth to groundwater of 40' below ground surface. According to the Chevron Texaco Groundwater Trend map, the average depth to groundwater in this area is less than 50' below surface. The groundwater data is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases,

Tetra Tech

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updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The proposed RRAL for benzene was determined to be 10 milligrams per kilogram (mg/kg) and 50 mg/kg for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Soil Assessment and Analytical Results

Initial Assessment

Based on the previous sampling data, Tetra Tech personnel were onsite between May 14th and May 17th, 2019, in order to vertically define the impacts. A total of twenty (20) sample points (SP-1 through SP-4 and SP-6 through SP-21) were installed using a truck mounted air rotary rig to total depths ranging from 9'-10' and 59'-60' below surface. A sample point (SP-5) was originally planned to be installed in the area nearest to the wellhead, however due to numerous underground lines in the area, this sample point could not be safely installed. Additionally, one background bore hole was installed to a total depth of 39'-40' below surface to evaluate the native soils. Selected soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. The drilling logs for the sample points are included in Appendix C. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed benzene or total BTEX concentrations above the RRALs. Additionally, sample points SP-1, SP-2, SP-6, SP-7, SP-8, SP-9, SP-17, SP-18, SP-19, SP-20, and SP-21 did not show any TPH concentrations above the RRALs. However, sample points SP-3, SP-4, SP-10, SP-11, SP-12, SP-13, SP-14, and SP-16 showed elevated TPH concentrations in the soils which declined with depth to below the 100 mg/kg threshold at depths ranging from 2'-3' and 34'-35' below surface.

Sample points SP-1, SP-3, SP-6, SP-7, SP-14, SP-15, SP-16, SP-17, SP-18, SP-19, and SP-20 showed chloride concentrations above the 600 mg/kg threshold. However, the chloride concentrations declined with depth and were vertically defined at depths ranging from 6'-7' and 39'-30' below surface. However, sample points SP-2, SP-4, SP-8, SP-9, SP-10, SP-11, SP-12, SP-13, and SP-21 were not vertically delineated for chlorides and showed bottom hole concentrations ranging from 1,390 mg/kg to 6,960 mg/kg.

The background sample point, BG-1, showed a chloride high concentration of 672 mg/kg at 4'-5'.



Additional Assessment

As requested by NMSLO, Tetra Tech personnel returned to the site between October 23rd and October 25th, 2019 in order to horizontally define the release area as well as to install boreholes inside the bermed facility. A total of twenty-two (22) horizontal samples (H-1 through H-22) were installed around the perimeter of the release to total depths ranging from 0-6" and 2' below surface. Three boreholes (BH-22, BH-23, and BH-24) were installed using a truck mounted air rotary drilling rig to total depths of 29'-30' below surface inside the bermed facility. Additional sample points could not be installed due to the steep incline of the berm and safety concerns for onsite staff. All collected samples were submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Bermed Facility

Referring to Table 1, none of the samples collected showed benzene or total BTEX concentrations above the RRAL's. However, the areas of BH-22, BH-23, and BH-24 showed elevated TPH concentrations to the soils. The area of BH-22 showed a TPH high concentration of 15,800 mg/kg at 0-1' which steadily declined with depth to 87.9 mg/kg at 19'-20' below surface. The areas of BH-23 and BH-24 showed TPH high concentrations of 2,680 mg/kg and 8,230 mg/kg, respectively at 0-1', which then declined with depth to <50.0 mg/kg (6'-7') and 94.5 mg/kg (9-10'), respectively.

Additionally, the areas of BH-22, BH-23, and BH-24 showed minimal chloride concentrations in the surficial soils, however the chloride concentrations increased with depth and showed bottom hole concentrations of 1,160 mg/kg, 2,640 mg/kg, and 2,470 mg/kg, respectively.

Horizontal Sampling

Referring to Table 1, none of the samples collected showed benzene or total BTEX concentrations above the RRALs. However, the areas of H-2 and H-12 showed TPH concentrations above the RRAL at 0-1' and 1'-2' with concentrations of 169 mg/kg and 141 mg/kg, respectively. Based on this data, Tetra Tech personnel returned to the site and installed additional horizontal sample points (H-2 (1) and H-12 (1)) in order to horizontally define the release. The samples collected at H-2 (1) and H-12(1) did not show any benzene, total BTEX, TPH, or chloride concentrations above the RRALs. None of the remaining horizontal sample points showed any TPH concentrations above the RRALs. Additionally, all of the samples collected showed chloride concentrations below the background concentration of 672 mg/kg; with the exception of H-8 at 1-2' with a concentration of 855 mg/kg and H-19 at 1-2' with a concentration of 847 mg/kg.

Work Plan

Based on the laboratory data, Permian Water Solutions proposes to excavate the areas as shown on Figure 4 and highlighted (green) on Table 1. The areas of sample points SP-1, SP-2, SP-4, SP-7 through SP-14 and SP-19 through SP-21 will be excavated to approximately 4.0' below surface. The areas of SP-3, SP-15, SP-17, and SP-24 will be excavated to approximately 6-7' below surface, the areas of SP-12 and BH-22 will be excavated to approximately 15' below surface, and the areas of SP-6, H-2, and SP-16 will be excavated to approximately 1'-2' below



surface. Additionally, the areas of SP-1, SP-2, SP-4, SP-6, SP-8 through SP-14, SP-15, SP-16, and SP-21 through SP-24 will be capped with a 20-mil liner at 4.0' below surface in order to prevent further vertical migration of the deeper impact.

Once excavated, composite bottom hole and sidewall confirmation samples will be collected every 200 square feet, to be representative of the area and to confirm proper removal of the impacted soils. The areas will then be backfilled with clean material to surface grade. Permian Water Solutions estimates approximately 36,600 cubic yards will be excavated, and the remediation to be implemented 90 days after the work plan is approved by both the NMSLO and NMOCD and all remediation access permits are obtained.

The proposed excavation depths may not be reached due to wall cave ins and safety concerns for onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. As such, Permian Water Solutions will excavate the impacted soils to the maximum extent practicable.

Monitor Wells

In addition to the proposed soil remediation activities, Permian Water Solutions proposes to install three monitor wells on the pad area in order to evaluate the groundwater conditions in the area. Tetra Tech will supervise the installation of the monitor wells to a total depth of approximately 60' below surface using an air rotary rig. The monitor well will be constructed of 2-inch diameter, screw threaded, schedule 40 PVC casing and 0.020-inch factory slotted screen. The well screens, approximately twenty (20) feet in length, will be installed with approximately 15.0' of screen into the groundwater and 5.0' above the groundwater. The well screens will be filter packed with graded (20-40) silica sand, which will be placed in the annular space between the borehole wall and screen to a depth of approximately two (2) feet above the screen.

Once completed, the monitor wells will be properly developed, and all of the fluids will be contained in drums for proper disposal. Additionally, the wells will be surveyed. At the time of sampling, the well caps will be opened and water level measurements will be collected from the top of the casing. The depth to water measurements will be recorded to the nearest 0.01 foot. Approximately three (3) casing volumes of water will be purged from each well using a dedicated bailer and disposable line. All water generated for the purging will be contained in drums for proper disposal. The proposed locations of the monitor wells are shown on Figure 5.

The groundwater samples will be placed into labeled and preserved containers provided by the laboratory. They will then be analyzed for chlorides by EPA method 300.0, TPH by method 8015 modified, and BTEX by EPA Method 8021B. Based on the results of the initial sampling event, a groundwater monitoring plan will be submitted to the NMOCD and NMSLO for approval.



Conclusion

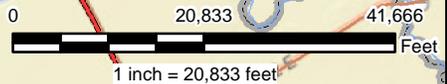
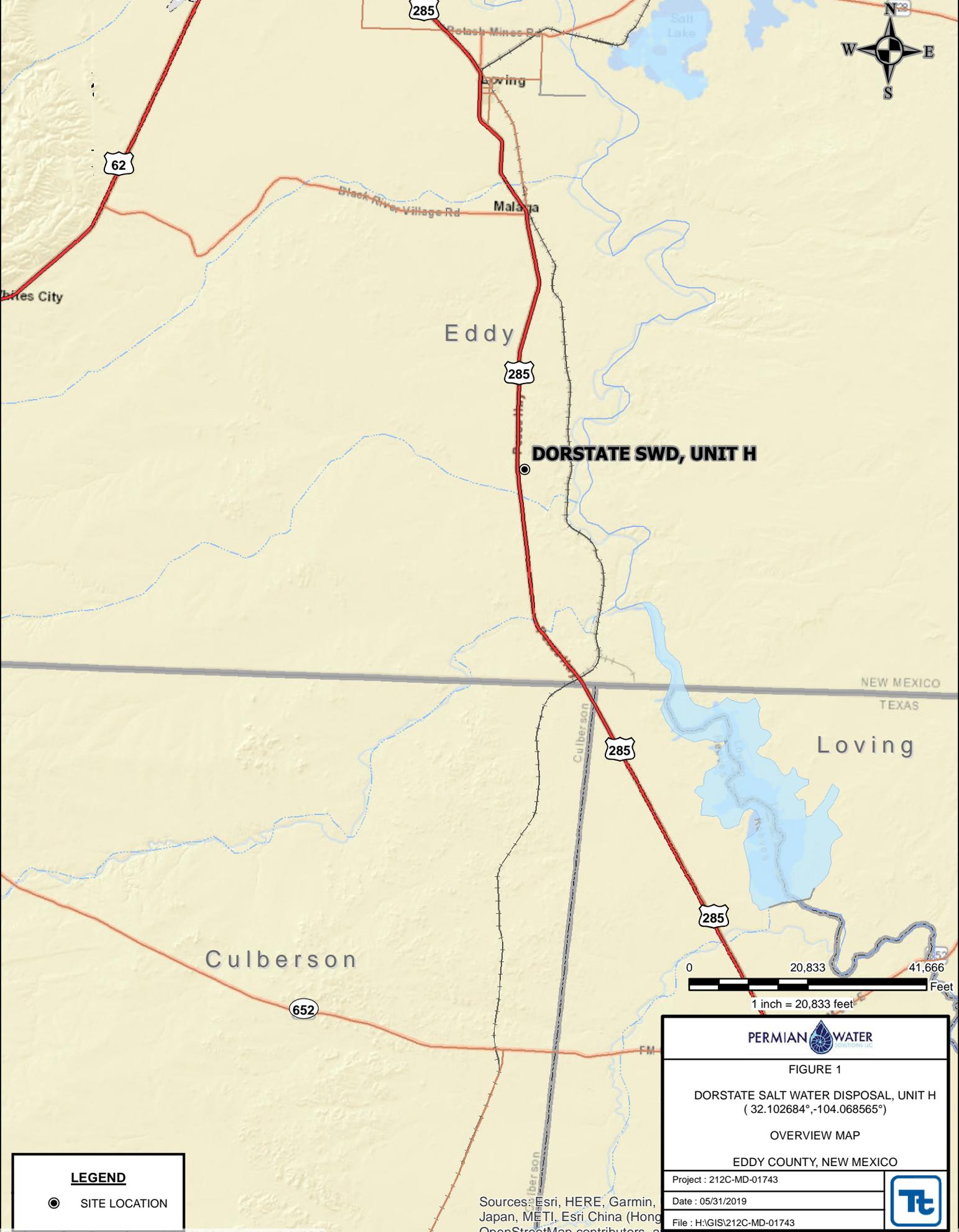
Once the soil remediation activities are completed, a soils closure report and a groundwater monitoring report will be prepared for NMOCD and NMSLO approval. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

A handwritten signature in blue ink that reads 'Clair Gonzales'.

Clair Gonzales, P.G.,
Project Manager

Figures



LEGEND

- SITE LOCATION

PERMIAN WATER
CONSERVATION

FIGURE 1

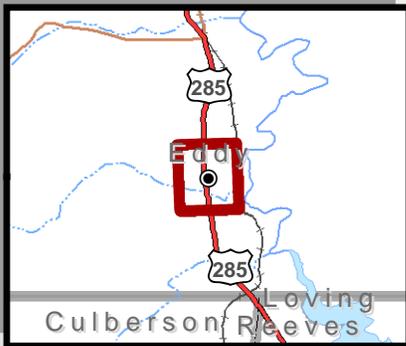
DORSTATE SALT WATER DISPOSAL, UNIT H
(32.102684°,-104.068565°)

OVERVIEW MAP

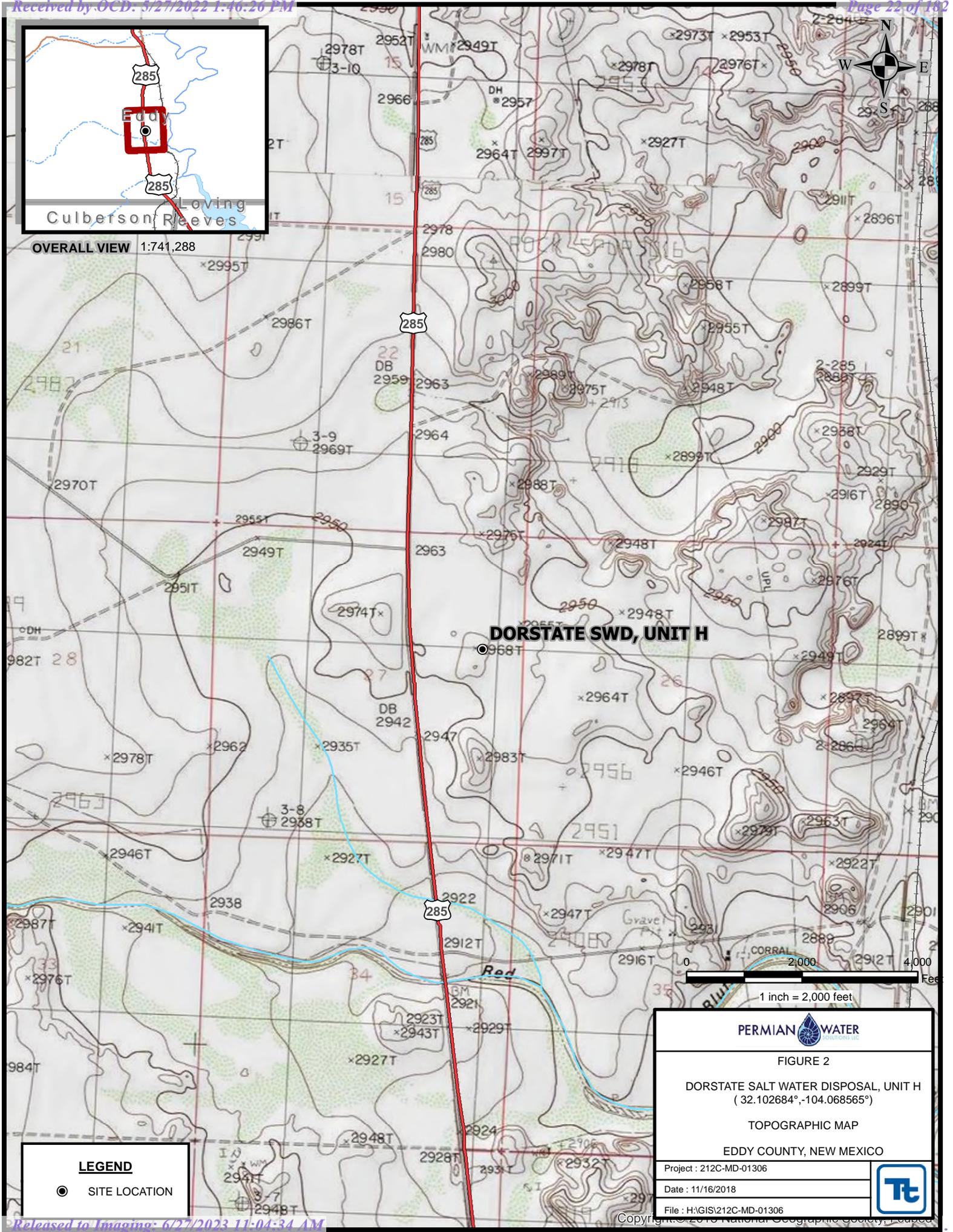
EDDY COUNTY, NEW MEXICO

| | |
|-----------------------------|--|
| Project : 212C-MD-01743 | |
| Date : 05/31/2019 | |
| File : H:\GIS\212C-MD-01743 | |

Sources: Esri, HERE, Garmin, Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



OVERALL VIEW 1:741,288



LEGEND

- SITE LOCATION

PERMIAN WATER

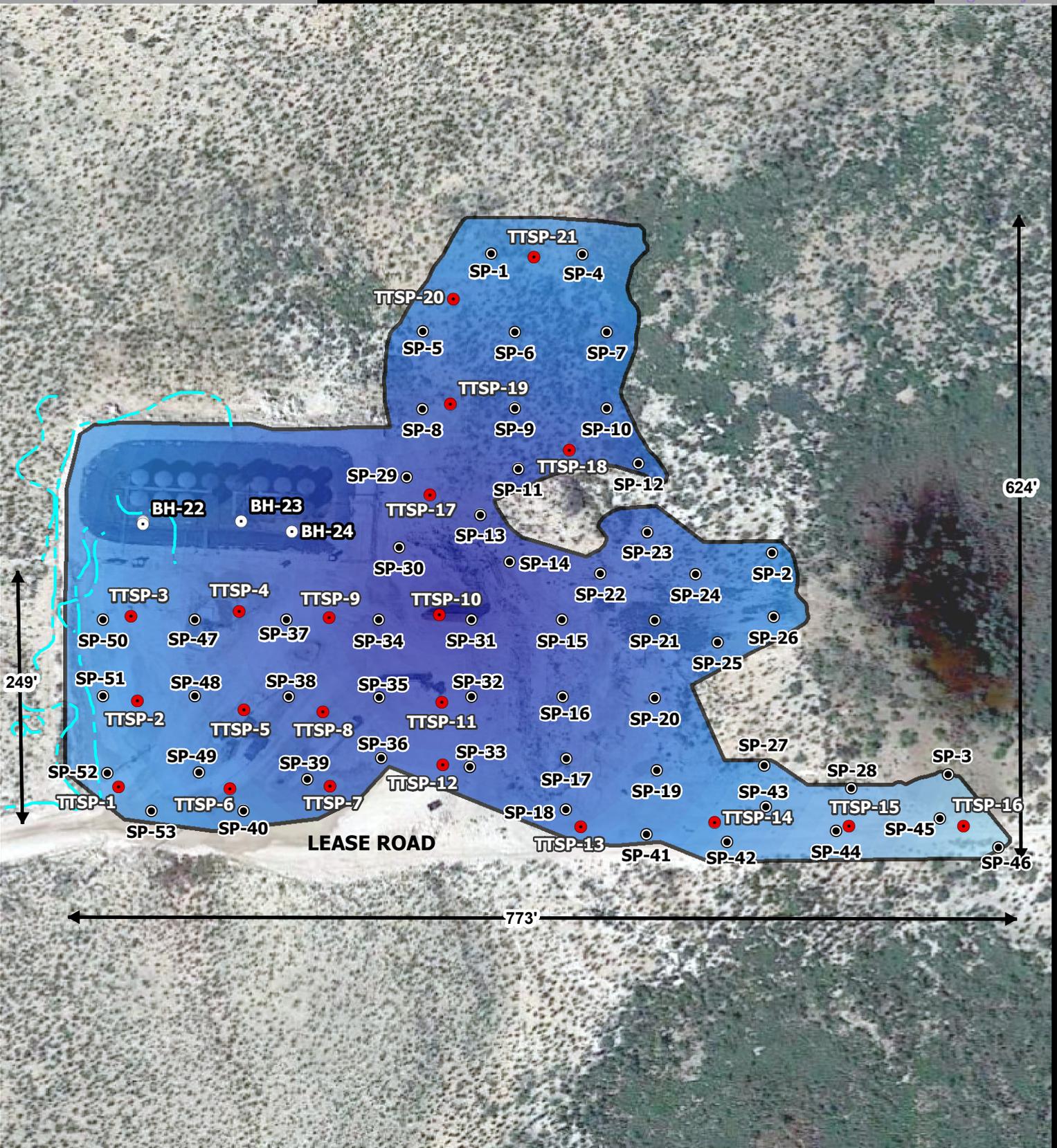
FIGURE 2

DORSTATE SALT WATER DISPOSAL, UNIT H
(32.102684°, -104.068565°)

TOPOGRAPHIC MAP

EDDY COUNTY, NEW MEXICO

| | |
|-----------------------------|--|
| Project : 212C-MD-01306 | |
| Date : 11/16/2018 | |
| File : H:\GIS\212C-MD-01306 | |



Date: 11/13/2019 Document Path: H:\GIS\PERMIAN WATER SOLUTIONS\212C-MD-01745 DORSTATE SWD\MD\212C-MD-01995 DORSTATE SWD FIG. 3.mxd

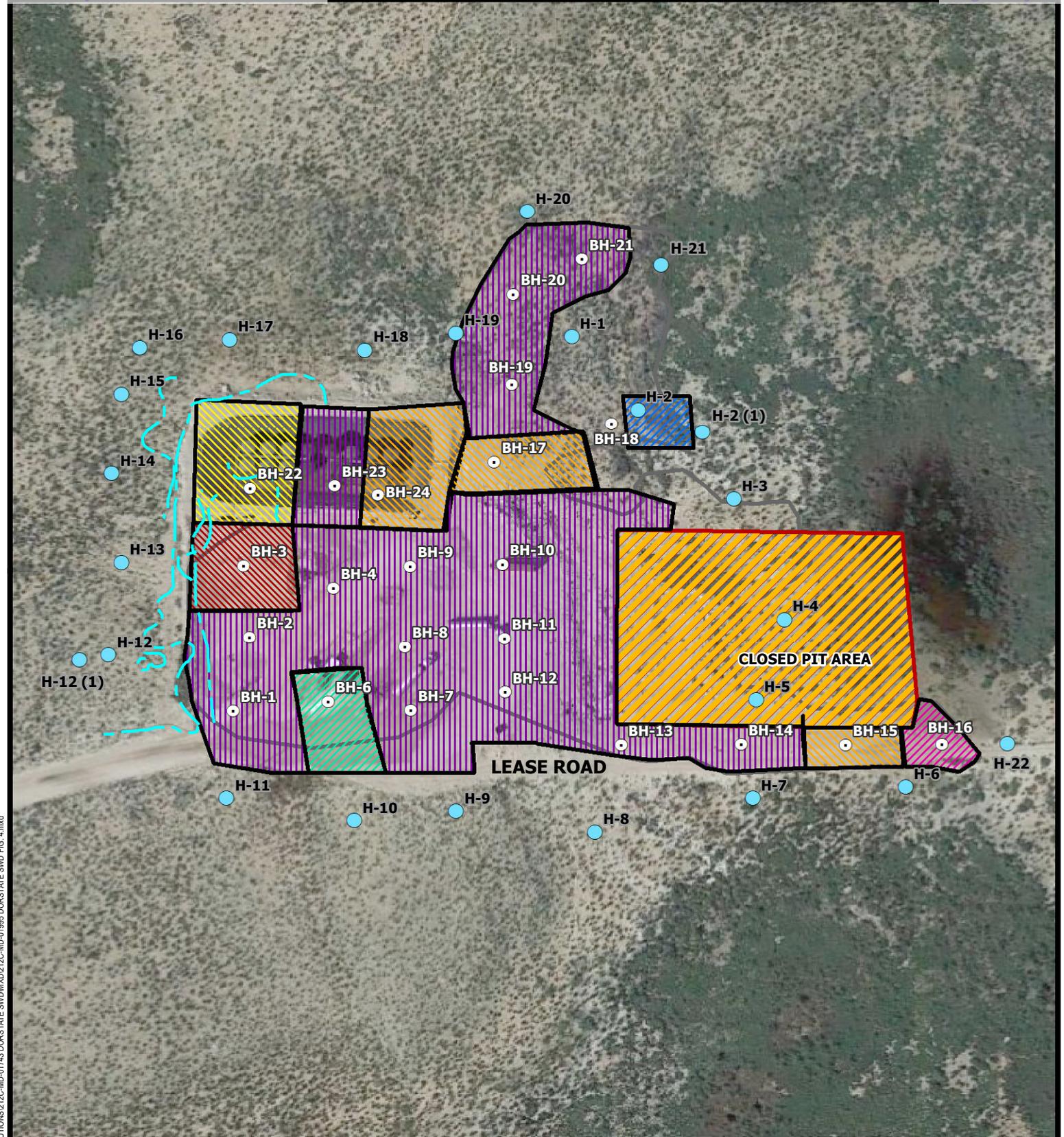
- BOREHOLE SAMPLE POINT LOCATIONS
- TETRATECH SAMPLE LOCATIONS
- BASIN ENVIROMENTAL SAMPLE LOCATIONS
- FLOWLINES
- AFFECTED SPILL AREA

0 65 130
Approximate Scale in Feet

SPILL ASSESSMENT MAP
DORSTATE SWD
 Property Located at coordinates 32.102684°,-104.068565°
 EDDY COUNTY, NEW MEXICO

Project #:
212C-MD-01995
Date: 11-12-2019

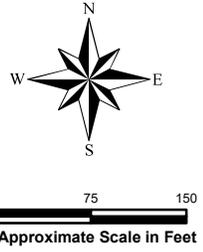
FIGURE
3



- BOREHOLE SAMPLE LOCATIONS
- HORIZONTAL SAMPLE LOCATIONS
- - - FLOWLINES

EXCAVATED AREAS & DEPTHS

- 1.0'
- 1.0'-2.0'
- 1.0' w/LINER @ 4.0' DEEP
- 4.0'-5.0' w/LINER
- 6.0'-7.0'
- 6.0'-7.0' w/LINER
- 15.0' w/LINER @ 4.0' DEEP
- SPILL OUTLINE
- CLOSED PIT AREA



EXCAVATED AREA & DEPTH MAP
DORSTATE SWD
 Property Located at coordinates 32.102684°,-104.068565°
 EDDY COUNTY, NEW MEXICO



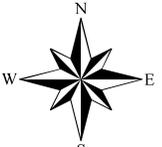
FIGURE 4



LEASE ROAD

 PROPOSED MONITORING WELLS

 FLOWLINES



0 65 130
 Approximate Scale in Feet

PROPOSED MONITORING WELL LOCATION MAP
 DORSTATE SWD
 Property Located at coordinates 32.102684°,-104.068565°
 EDDY COUNTY, NEW MEXICO




 Project #:
 212C-MD-01995
 Date:11-12-2019

FIGURE 5

Date: 11/13/2019 Document Path: H:\GIS\PERMIAN WATER SOLUTIONS\212C-MD-01745 DORSTATE SWD\MXD\212C-MD-01995 DORSTATE SWD FIG. 5.mxd

Tables

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|--------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-1 | 5/4/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 5,360 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4,640 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 1,920 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 1,200 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,140 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 672 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 480 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 400 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 304 | |
| SP-2 | 5/14/2019 | 0-1 | - | X | | <10.0 | 14.8 | <10.0 | 14.8 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 7,520 |
| | " | 2-3 | - | X | | <10.0 | 51.5 | 15.6 | 67.1 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4,720 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 2,160 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 624 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,020 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 2,680 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 3,360 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 3,000 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 3,800 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 1,630 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 2,240 |
| | " | 44-45 | - | X | | - | - | - | - | - | - | - | - | - | 2,400 |
| | " | 49-50 | - | X | | - | - | - | - | - | - | - | - | - | 1,620 |
| " | 54-55 | - | X | | - | - | - | - | - | - | - | - | - | 1,010 | |
| " | 59-60 | - | X | | - | - | - | - | - | - | - | - | - | 1,390 | |
| SP-3 | 5/14/2019 | 0-1 | - | X | | 30.9 | 1,940 | 358 | 2,329 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,360 |
| | " | 2-3 | - | X | | 669 | 9,200 | 1,120 | 10,989 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,860 |
| | " | 4-5 | - | X | | 115 | 2,470 | 264.0 | 2,849 | - | - | - | - | - | 1,490 |
| | " | 6-7 | - | X | | <10.0 | 703 | 34.2 | 737 | - | - | - | - | - | 1,120 |
| | " | 9-10 | - | X | | <10.0 | 99.8 | <10.0 | 99.8 | - | - | - | - | - | 624 |
| | " | 14-15 | - | X | | <10.0 | 35.7 | <10.0 | 35.7 | - | - | - | - | - | 480 |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-4 | 5/14/2019 | 0-1 | - | X | | <10.0 | 647 | 397 | 1,044 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 11,300 |
| | " | 2-3 | - | X | | <10.0 | 80.1 | 50.0 | 130 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 5,440 |
| | " | 4-5 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 5,280 |
| | " | 6-7 | - | X | | <10.0 | 23.6 | <10.0 | 23.6 | - | - | - | - | - | 3,680 |
| | " | 9-10 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 1,810 |
| | " | 14-15 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 1,150 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 1,420 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 1,760 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 2,080 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 736 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 1,120 |
| | " | 44-45 | - | X | | - | - | - | - | - | - | - | - | - | 544 |
| | " | 49-50 | - | X | | - | - | - | - | - | - | - | - | - | 1,630 |
| SP-6 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,380 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 560 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 288 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 272 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,470 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 1,330 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 416 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 688 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 496 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 208 |
| " | 44-45 | - | X | | - | - | - | - | - | - | - | - | - | 112 | |
| SP-7 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 5,920 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,680 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 1,840 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 960 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 976 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 672 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 528 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 512 | |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-8 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,040 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,280 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 1,650 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 864 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,880 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 1,020 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 3,160 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 3,040 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 4,480 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 3,720 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 5,360 |
| | " | 44-45 | - | X | | - | - | - | - | - | - | - | - | - | 4,560 |
| " | 49-50 | - | X | | - | - | - | - | - | - | - | - | - | 5,840 | |
| SP-9 | 5/15/2019 | 0-1 | - | X | | <10.0 | 59.2 | 19.8 | 79.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 7,600 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,280 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 2,680 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 896 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,220 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 1,420 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 2,600 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 3,440 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 3,040 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 4,120 |
| " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 3,520 | |
| SP-10 | 5/17/2019 | 0-1 | - | X | | <10.0 | 1,320 | 1,790 | 3,110 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4,000 |
| | " | 2-3 | - | X | | <10.0 | 26.2 | 19.3 | 45.5 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,120 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 4,160 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 1,760 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 2,800 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 3,600 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 2,920 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 3,080 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 4,240 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 4,640 |
| " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 4,880 | |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|--------|-------|--------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-11 | 5/17/2019 | 0-1 | - | X | | <10.0 | 120 | 44.9 | 165 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,760 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 400 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 1,070 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 1,700 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 3,600 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 6,000 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 7,360 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 5,760 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 6,800 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 5,730 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 5,730 |
| " | 44-45 | - | X | | - | - | - | - | - | - | - | - | - | 6,960 | |
| SP-12 | 5/17/2019 | 0-1 | - | X | | <10.0 | 417 | 124 | 541 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4,960 |
| | " | 2-3 | - | X | | 240 | 6,620 | 1,960 | 8,820 | <0.050 | 0.229 | 1.29 | 0.326 | 1.85 | 3,320 |
| | " | 4-5 | - | X | | 2,360 | 18,500 | 2,730 | 23,590 | - | - | - | - | - | 8,800 |
| | " | 6-7 | - | X | | 112 | 2,400 | 479 | 2,991 | - | - | - | - | - | 2,520 |
| | " | 9-10 | - | X | | 147 | 2,940 | 251 | 3,338 | - | - | - | - | - | 3,840 |
| | " | 14-15 | - | X | | 446 | 5,640 | 1,170 | 7,256 | - | - | - | - | - | 5,520 |
| | " | 19-20 | - | X | | <10.0 | 1,250 | 212 | 1,462 | <0.050 | <0.050 | <0.050 | 0.212 | <0.300 | 6,320 |
| | " | 24-25 | - | X | | <10.0 | 262 | <10.0 | 262 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 7,520 |
| | " | 29-30 | - | X | | <10.0 | 180 | <10.0 | 180 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 7,200 |
| | " | 34-35 | - | X | | <10.0 | 293 | <10.0 | 293 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 6,000 |
| | " | 39-40 | - | X | | <10.0 | 54.0 | <10.0 | 54.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 6,080 |
| " | 44-45 | - | X | | <10.0 | 81.1 | <10.0 | 81.1 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 6,480 | |
| SP-13 | 5/17/2019 | 0-1 | - | X | | <10.0 | 2,070 | 1,050 | 3,120 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,200 |
| | " | 2-3 | - | X | | <10.0 | 129 | 35.5 | 165 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,440 |
| | " | 4-5 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 1,380 |
| | " | 6-7 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 3,440 |
| | " | 9-10 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 3,840 |
| | " | 14-15 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | - | - | - | - | - | 6,560 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 7,200 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 4,800 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 1,420 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 4,320 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 4,480 |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-14 | 5/15/2019 | 0-1 | - | X | | <10.0 | 87.9 | 39.1 | 127 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 8,000 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4,600 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 3,960 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 1,440 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 672 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 1,500 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 1,540 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 1,020 |
| " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 192 | |
| SP-15 | 5/15/2019 | 0-1 | - | X | | <10.0 | 545 | 203 | 748 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 9,600 |
| | " | 2-3 | - | X | | <10.0 | 31.5 | 21.2 | 52.7 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 2,960 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 8,400 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 10,300 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 3,440 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 464 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 720 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 192 | |
| SP-16 | 5/15/2019 | 0-1 | - | X | | <10.0 | 547 | 224 | 771 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3,120 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 672 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 288 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 144 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,250 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 848 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 560 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 1,120 |
| " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 640 | |
| " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 352 | |
| SP-17 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 8,000 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,230 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 1,390 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 992 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 256 | |
| SP-18 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 112 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 384 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 384 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 544 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 736 |
| " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 448 | |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| SP-19 | 5/15/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 5,360 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 2,480 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 2,400 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 480 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 256 |
| SP-20 | 5/16/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 7,920 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1,630 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 2,480 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 432 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 144 |
| SP-21 | 5/16/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 2,760 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 2,680 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 2,240 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 1,920 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 1,340 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 496 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 1,100 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 1,390 |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|--------|-------|-----------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| BH-22 | 10/25/2019 | 0-1 | - | X | | 1150 | 13,100 | 1,550 | 15,800 | <0.00200 | 0.0422 | 0.0281 | 0.438 | 0.508 | 677 |
| | | 2-3 | - | X | | 705 | 8,840 | 933 | 10,500 | <0.00198 | 0.0222 | 0.022 | 0.347 | 0.391 | 957 |
| | | 4-5 | - | X | | 186 | 3,580 | 369 | 4,140 | <0.00199 | 0.0153 | 0.0223 | 0.198 | 0.235 | 1,560 |
| | | 6-7 | - | X | | <49.9 | 783 | 79.9 | 863 | <0.00199 | <0.00199 | <0.00199 | 0.0342 | 0.0342 | 1,380 |
| | | 9-10 | - | X | | <49.9 | 318 | 72.2 | 390 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 1,800 |
| | | 14-15 | - | X | | <49.8 | 198 | <49.8 | 198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 1,930 |
| | | 19-20 | - | X | | <50.0 | 87.9 | <50.0 | 87.9 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 1,660 |
| | | 24-25 | - | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 598 |
| | | 29-30 | - | X | | <49.8 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 1,160 |
| BH-23 | 10/25/2019 | 0-1 | - | X | | 58.1 | 2,320 | 305 | 2,680 | <0.00200 | 0.00254 | <0.00200 | 0.0192 | 0.0217 | 398 |
| | | 2-3 | - | X | | <49.9 | 430 | 63.0 | 493 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 415 |
| | | 4-5 | - | X | | <50.0 | 424 | 60.6 | 485 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 348 |
| | | 6-7 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 424 |
| | | 9-10 | - | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 403 |
| | | 14-15 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 1,310 |
| | | 19-20 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 1,490 |
| | | 24-25 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 1,520 |
| | | 29-30 | - | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 2,640 |
| BH-24 | 10/25/2019 | 0-1 | - | X | | 156 | 7,170 | 906 | 8,230 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 840 |
| | | 2-3 | - | X | | 105 | 4,360 | 538 | 5,000 | <0.00199 | <0.00199 | <0.00199 | 0.0246 | 0.0246 | 983 |
| | | 4-5 | - | X | | 67.2 | 2,310 | 245 | 2,620 | <0.00201 | <0.00201 | <0.00201 | 0.0268 | 0.0268 | 2,810 |
| | | 6-7 | - | X | | <49.9 | 161 | <49.9 | 161 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 362 |
| | | 9-10 | - | X | | <50.0 | 94.5 | <50.0 | 94.5 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 1,100 |
| | | 14-15 | - | X | | <49.9 | 70.4 | <49.9 | 70.4 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 1,290 |
| | | 19-20 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 400 |
| | | 24-25 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 1,590 |
| | | 29-30 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 2,470 |
| BG-1 | 5/16/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 80.0 |
| | " | 2-3 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 208 |
| | " | 4-5 | - | X | | - | - | - | - | - | - | - | - | - | 672 |
| | " | 6-7 | - | X | | - | - | - | - | - | - | - | - | - | 352 |
| | " | 9-10 | - | X | | - | - | - | - | - | - | - | - | - | 256 |
| | " | 14-15 | - | X | | - | - | - | - | - | - | - | - | - | 176 |
| | " | 19-20 | - | X | | - | - | - | - | - | - | - | - | - | 160 |
| | " | 24-25 | - | X | | - | - | - | - | - | - | - | - | - | 144 |
| | " | 29-30 | - | X | | - | - | - | - | - | - | - | - | - | 80.0 |
| | " | 34-35 | - | X | | - | - | - | - | - | - | - | - | - | 128 |
| | " | 39-40 | - | X | | - | - | - | - | - | - | - | - | - | 112 |

Table 1
Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | BEB Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-----------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | | In-Situ | Removed | GRO | DRO | ORO | Total | | | | | | |
| H-1 | 10/23/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 322 |
| | " | 1-2 | - | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 325 |
| H-2 | 10/23/2019 | 0-1 | - | X | | <50.0 | 169 | <50.0 | 169 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 148 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 275 |
| H-2 (1) | 11/11/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 144 |
| H-3 | 10/23/2019 | 0-1 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 135 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 148 |
| H-4 | 10/23/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 641 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 259 |
| H-5 | 10/23/2019 | 0-1 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 452 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 492 |
| H-6 | 10/23/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 439 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 516 |
| H-7 | 10/23/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 243 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 175 |
| H-8 | 10/23/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 281 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 855 |
| H-9 | 10/24/2019 | 0-8" | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 154 |
| H-10 | 10/24/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 192 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 72.7 |
| H-11 | 10/24/2019 | 0-10" | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | 0.00498 | 0.00914 | 0.01410 | 125 |
| H-12 | 10/24/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | 0.00440 | 0.00571 | 0.01010 | 57.4 |
| | " | 1-2 | - | X | | <50.0 | 141 | <50.0 | 141 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | <0.00201 | 174 |
| H-12 (1) | 11/11/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16.0 |
| | " | 1-2 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <16.0 |
| H-13 | 10/24/2019 | 0-1 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 332 |
| H-14 | 10/24/2019 | 0-1 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 32.0 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 25.8 |
| H-15 | 10/24/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 6.18 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 31.9 |
| H-16 | 10/24/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 22.7 |
| | " | 1-2 | - | X | | <49.8 | <49.8 | <49.8 | <49.8 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 307 |
| H-17 | 10/25/2019 | 0-1 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 38.3 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 58.5 |
| H-18 | 10/25/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 59.2 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 117 |
| H-19 | 10/25/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | <0.00199 | 140 |
| | " | 1-2 | - | X | | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | 847 |
| H-20 | 10/25/2019 | 0-1 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | <0.00202 | 435 |
| | " | 1-2 | - | X | | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 126 |
| H-21 | 11/11/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 32.0 |
| H-22 | 11/11/2019 | 0-1 | - | X | | <10.0 | <10.0 | <10.0 | <10.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 512 |

(-) Not Analyzed

Photos

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View West – Area of SP-1



View North – Area of SP-2

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View North – Area of SP-3



View West – Area of SP-4

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View North – Area of SP-6



View Northwest – Area of SP-7

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View Southwest – Area of SP-8



View Southwest – Area of SP-9

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View Northwest – Area of SP-10



View Southeast – Area of SP-11

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View Southeast – Area of SP-12



View Northwest – Area of SP-13 and SP-14

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View North – Area of SP-15



View North – Area of SP-16

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View East – Area of SP-17



View Northwest – Area of SP-18

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View Southwest – Area of SP-19



View Northwest – Area of SP-20

Permian Water Solutions,
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View North – Area of SP-21

Permian Water Solutions
Dorstate SWD
Eddy County, New Mexico



TETRA TECH



View East – Areas of BH-22, BH-23, and BH-24



View West – North Side of Facility

Appendix A

NM OIL CONSERVATION

ARTESIA DISTRICT

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

State of New Mexico
Energy Minerals and Natural Resources

AUG 29 2017

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
RECEIVED

Release Notification and Corrective Action

NAB1724135283

198688 OPERATOR

Initial Report Final Report

| | | |
|--|-----------------------------------|-----------------------------|
| Name of Company Cambrian Management, Ltd. | Contact Mike Anthony | |
| Address PO Box 272, Midland, TX 79702 | Telephone No. 432-631-4398 | |
| Facility Name Dockate SWD | Facility Type SWD | |
| Surface Owner | Mineral Owner | API No. 30-015-23728 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|-----------|------------|------------|---------------|------------------|---------------|----------------|-------------|
| H | 27 | 25S | 28E | 1980 | North | 660 | East | Eddy |

Latitude **32.102684** Longitude **104.068565** NAD83

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release Water, Produced Water | Volume of Release 25 bbls | Volume Recovered 0 |
| Source of Release | Date and Hour of Occurrence | Date and Hour of Discovery 8-23-17 |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | 8:04 PM |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Overflowing sumps due to truck drivers inattention and excess rainwater.
We will get soil samples and Trinity Environmental and proceed with proper remediation and cleanup

Describe Area Affected and Cleanup Action Taken.*
Pasture land and SWD location

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

| | | |
|---|--|-----------------------------|
| Signature: Denise Jones | OIL CONSERVATION DIVISION | |
| Printed Name: Denise Jones | Signed By: [Signature] Approved by Environmental Specialist: | |
| Title: Regulatory Analyst | Approval Date: 8/29/17 | Expiration Date: N/A |
| E-mail Address: djones@cambrianmgmt.com | Conditions of Approval: See attached | |
| Date: 8-24-17 Phone: 432-620-9181 | Attached: [Signature] 486A | |

* Attach Additional Sheets If Necessary

| | |
|----------------|--|
| 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input type="checkbox"/> 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

Page 4

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Remediation 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)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral 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 health, 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 Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Appendix B

Water Well Data Average Depth to Groundwater (ft) Permian Water Solutions - Dorstate SWD

| 24 South | | | 27 East | | |
|----------|------|----|---------|----|-------|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 17 | 9 | 10 | 11 | 12 |
| 18 30 | 17 | 16 | 15 | 14 | 13 30 |
| 34 | | | | | 31 |
| 19 | 20 | 21 | 22 70 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 24 South | | | 28 East | | |
|----------|-------|-------|---------|-------|-------|
| 6 70 | 5 30 | 4 30 | 3 | 2 55 | 1 60 |
| 7 | 8 50 | 9 | 10 17 | 11 20 | 12 73 |
| 18 | 17 42 | 16 29 | 15 18 | 14 52 | 13 34 |
| 19 | 20 48 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 24 South | | | 29 East | | |
|----------|------|-------|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 160 | 17 4 | 16 18 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 25 South | | | 27 East | | |
|----------|----|-------|---------|----|-------|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 92 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 19 | 34 | 35 | 36 |

| 25 South | | | 28 East | | |
|----------|-------|------|---------|-------|--------|
| 6 | 5 59 | 4 35 | 3 32 | 2 | 1 Site |
| 7 45 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 48 | 14 | 13 |
| 19 67 | 20 | 21 | 22 49 | 23 | 24 |
| 30 96 | 29 | 28 | 27 | 26 40 | 25 |
| 31 15 | 32 90 | 33 | 34 | 35 55 | 36 40 |

| 25 South | | | 29 East | | |
|-----------|----|----|---------|----|----|
| 6 40 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 40 | 11 | 12 |
| 18 | 17 | 16 | 15 60 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 30 | 29 | 28 | 27 | 26 | 25 |
| 31 32 115 | 33 | 34 | 35 | 36 | |

| 26 South | | | 27 East | | |
|----------|------|----|---------|----|-------|
| 6 | 5 12 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 35 |
| 19 | 20 | 21 | 22 50 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 26 South | | | 28 East | | |
|----------|----|----|---------|--------|--------|
| 6 | 5 | 4 | 3 | 2 120 | 1 21 |
| 7 | 8 | 9 | 10 | 11 | 12 100 |
| 18 | 17 | 16 | 15 | 14 120 | 13 56 |
| 19 | 20 | 21 | 22 120 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 26 South | | | 29 East | | |
|----------|------|----|---------|----|----|
| 6 | 5 78 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 125 | 14 | 13 |
| 19 | 20 | 21 | 22 57 | 23 | 24 |
| 30 69 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

- 88 New Mexico State Engineers Well Reports
- 105 USGS Well Reports
- 90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
- 90 Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34 NM OCD - Groundwater Data
- 121 Abandoned Waterwell (recently measured)



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 Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| C 01278 | C | ED | | 4 | 3 | 28 | 25S | 28E | | 585470 | 3551338* | 205 | 90 | 115 |
| C 01411 | C | ED | | 4 | 4 | 2 | 04 | 25S | 28E | 586289 | 3558522* | 69 | 35 | 34 |
| C 01453 | C | ED | | 1 | 2 | 26 | 25S | 28E | | 589096 | 3552612* | 70 | 40 | 30 |
| C 01522 | C | ED | | | 1 | 22 | 25S | 28E | | 586843 | 3554004* | 150 | | |
| C 01573 POD1 | C | ED | | 3 | 1 | 4 | 20 | 25S | 28E | 584144 | 3553361 | 176 | 96 | 80 |
| C 02668 | C | ED | | 2 | 1 | 2 | 09 | 25S | 28E | 585890 | 3557525* | 150 | | |
| C 03263 POD1 | CUB | ED | | 1 | 1 | 1 | 07 | 25S | 28E | 581628 | 3557501* | 133 | | |
| C 03836 POD1 | C | ED | | 2 | 2 | 4 | 29 | 25S | 28E | 584682 | 3551934 | 300 | 30 | 270 |
| C 03861 POD1 | C | ED | | 4 | 2 | 3 | 18 | 25S | 28E | 582266 | 3554864 | 91 | 63 | 28 |

Average Depth to Water: **59 feet**
 Minimum Depth: **30 feet**
 Maximum Depth: **96 feet**

Record Count: 9

PLSS Search:

Township: 25S Range: 28E

*UTM location was derived from PLSS - see Help

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





Appendix C

Appendix D



PO Box 301 | Lovington, NM 88260 | Phone 575.396.2378

August 28, 2018

Attn. Mike Bratcher

NMOCD, District 2

811 South First Street

Artesia, NM 88210

**RE: Corrective Action Plan
Cambrian Management
Dorstate SWD
UL/H Sec.27, T25S R28E
32.102789, -104.068449
NMOCD Reference # 2RP – 4364**

Mr. Bratcher:

Cambrian Management (Cambrian) has retained Basin Environmental Service Technologies (Basin) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately eight and one-half (8.5) miles south of Malaga, New Mexico at Unit Letter H of Section 27 in Township 25 South of Range 28 East (See Figure 1). This site is located in an area where groundwater is anticipated to be encountered at an estimated depth sixty-five (65) +/- feet below ground surface (bgs) (See Figure 4).

On August 23, 2017, a representative of the New Mexico State Land Office (NMSLO) notified Cambrian and the New Mexico Oil Conservation Division's (NMOCD) Artesia District Office via email that a release (or series of releases) had occurred at the Dorstate Salt Water Disposal (SWD). It was determined that driver inattention and excess rainwater had caused the on-site sumps to overflow. This resulted in the release of approximately twenty-five (25) barrels of produced water. No liquids from the release were recovered. An environmental site assessment was performed, and it was determined that the current release and/or historical release(s) is estimated to have impacted two-hundred and twelve thousand, six-hundred and seventy-two (212,672) square feet (ft²) of gypsum pad and pasture. An initial C-141 (Release Notification and Corrective Action) was submitted to NMOCD on August 24th, 2017 for approval.

Basin personnel were on site beginning July 23rd, 2018, to perform another assessment. Discrete soil samples were retrieved on the perimeter of the stain to establish the horizontal extent of the impact. Field screens indicate that the release spread in the subsurface or a historical(s) release was encountered as the subsurface perimeter extended beyond the visible stain.

Corrective Action Plan

The pad area will be excavated to an approximate depth of 1-2', bgs. The remediated soils will be disposed of at an NMOCD approved landfill. The excavated pad area will be backfilled with clean, non-impacted gypsum, rolled and compacted before being contoured to the surrounding area.

The impacted pasture area will be excavated to a maximum depth of four (4) feet bgs. Once the floor depth of the excavation is established, numerous discrete soil samples will be retrieved from both the floor of the excavation as well as the walls and delivered to an NMOCD approved laboratory for analyses of benzene, toluene, ethyl-benzene xylenes (BTEX), gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO), (total petroleum hydrocarbons [TPH], and chlorides. If the laboratory analyses indicate any of the constituents of interest are above the recommended remediation action levels (RRAL) for this location (1,000 mg/kg – TPH, 50 mg/kg – BTEX, 600 mg/kg – chlorides), after delineation, a 20-mil liner will be placed to ensure percolation is limited vertically downward as well as preventing effusion upwards towards the surface. Before liner placement (if required), full delineation of each sample point will occur. (See attached Perimeter Sampling Map). The impacted soil will be removed and disposed of at an approved NMOCD facility. The pasture excavation will be backfilled with clean, non-impacted topsoil and contoured to the surrounding area.

In the event the reserve pit area is encountered during remediation, the perimeter of the reserve pit will be identified, and it will have a new liner placed with 2' of clean, non-impacted topsoil placed and contoured for drainage.

At a time conducive for germination, the location will be seeded with the preferred seed mix of the land owner free of non-noxious or invasive vegetation. The seed will be applied with either a drill or broadcast method to ensure complete coverage of affected area. The seeds will then be sown with a disc (in compacted soils), rake or a harrow.

The supporting documentation for this Corrective Action Plan is attached.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

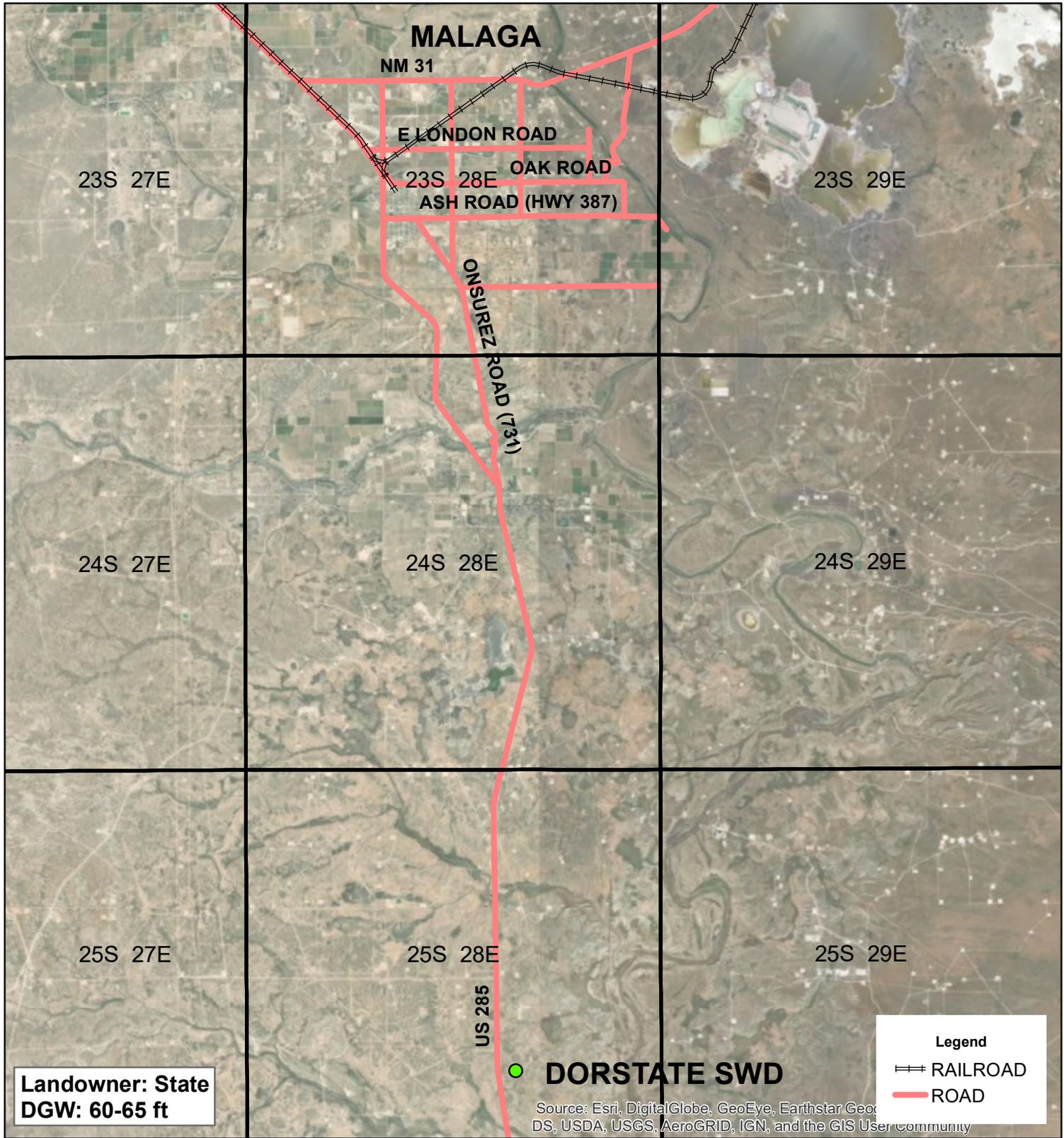
Sincerely,



Robbie Runnels
Project Manager
Basin Environmental Service Technologies
(575) 396-2378

Attachments:

- Figure 1 – Site Location Map
- Figure 2 - Area Sampling Data and Proposed Excavation
- Figure 3 – Approximate Depth to Groundwater
- Figure 4 - Soil Chemistry Table
- Appendix A – Photo Documentation
- Appendix B – Initial C-141 Forms
- Appendix C – Analytical Reports



Landowner: State
DGW: 60-65 ft

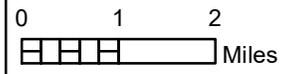
DORSTATE SWD

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR AeroGlobe, USDA, USGS, AeroGRID, IGN, and the GIS User Community



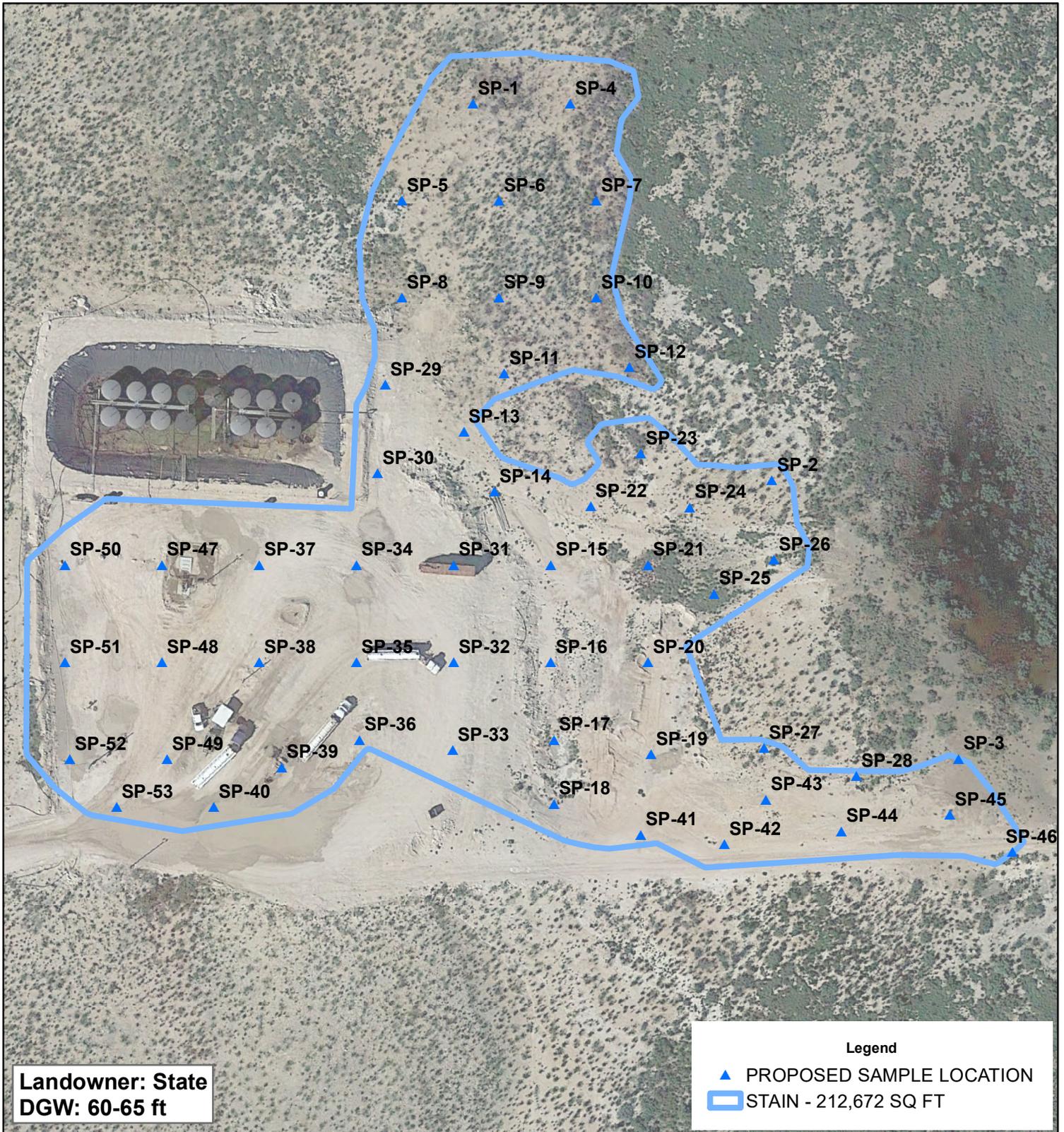
CAMBRIAN
DORSTATE SWD
 2RP-4364
 UL H SECTION 27
 T-25-S R-28-E
 EDDY COUNTY, NM

GPS: 32.102789 -104.068449



Drawing date: 7/30/18
 Drafted by: T. Grieco

Initial Sampling



Landowner: State
DGW: 60-65 ft

Legend

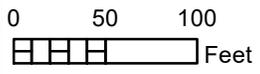
- ▲ PROPOSED SAMPLE LOCATION
- STAIN - 212,672 SQ FT



CAMBRIAN DORSTATE SWD

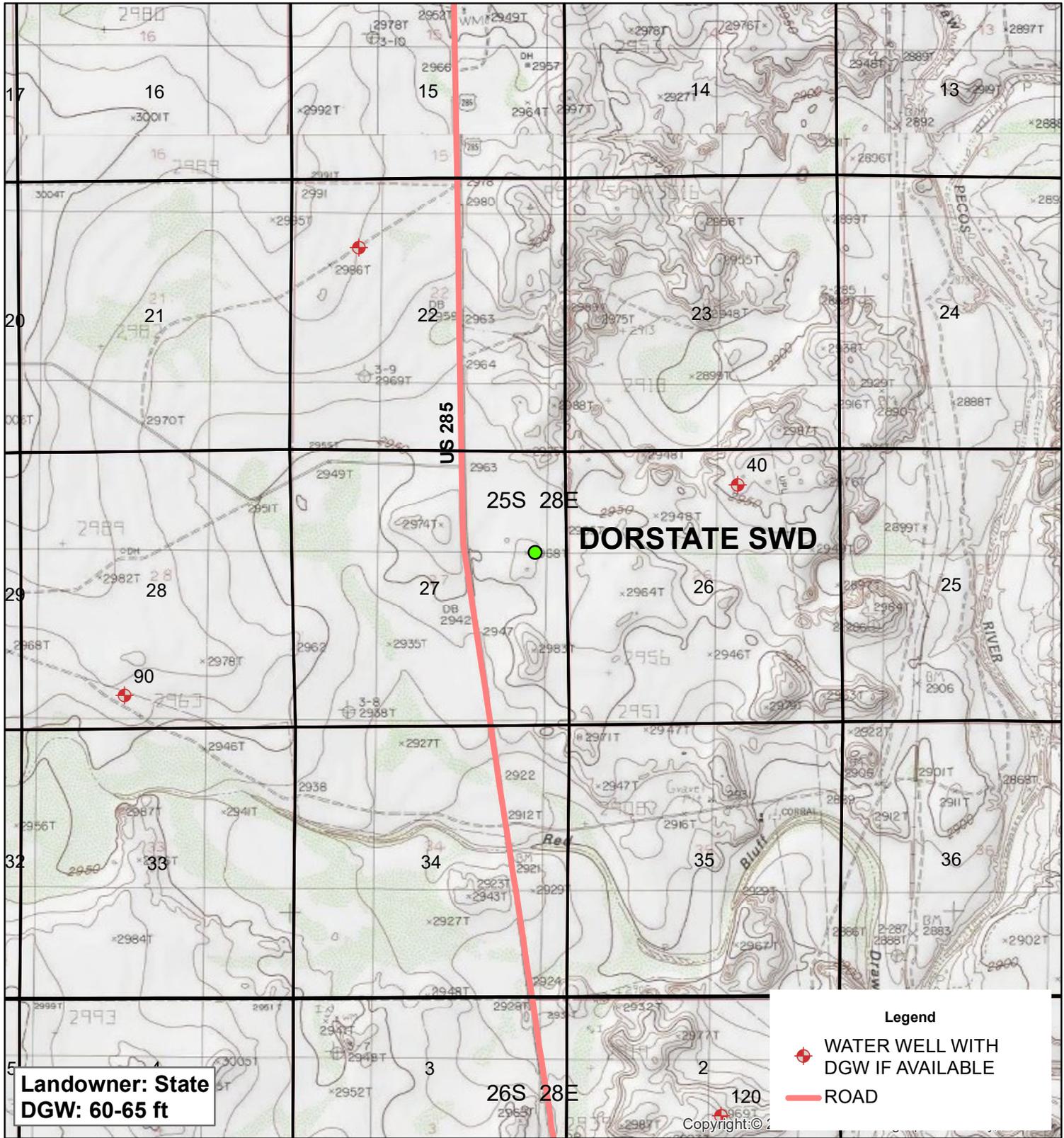
UL H SECTION 27
 T-25-S R-28-E
 EDDY COUNTY, NM

GPS: 32.102789 -104.068449



Drawing date: 6/7/18
 Drafted by: T. Grieco

Depth to Groundwater



**CAMBRIAN
DORSTATE SWD**
2RP-4364

UL H SECTION 27
T-25-S R-28-E
EDDY COUNTY, NM

GPS: 32.102789 -104.068449

0 0.5 1
Miles

Drawing date: 7/30/18
Drafted by: T. Grieco

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

OXY USA, INC.
DORSTATE SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4364

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | | 300 |
|---|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | EXT DRO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 600 |
| SP-1 @ 1' | 1' | 3/29/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 4,030 |
| SP-1 @ 5' | 5' | 3/29/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 2,120 |
| SP-1 @ 9' | 9' | 3/29/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,610 |
| SP-2 @ 1' | 1' | 3/29/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 55.7 |
| SP-3 @ 1' | 1' | 3/29/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 75.1 |
| SP-4 @ 1' | 1' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 4,740 |
| SP-4 @ 3' | 3' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,860 |
| SP-4 @ 5' | 5' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 850 |
| SP-4 @ 6' | 6' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 758 |
| SP-5 @ 1' | 1' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 4,800 |
| SP-5 @ 3' | 3' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 3,900 |
| SP-6 @ 1' | 1' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 38.3 |
| SP-7 @ 1' | 1' | 4/2/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 98.4 |
| SP-8 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 8,070 |
| SP-9 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 119 |
| SP-10 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 35.6 |
| SP-11 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 29.7 | <10.0 | 29.7 | 5,040 |
| SP-12 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,450 |
| SP-12 @ 3' | 3' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 2,460 |
| SP-12 @ 5' | 5' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,180 |
| SP-13 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 2,600 |

**TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**OXY USA, INC.
DORSTATE SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4364**

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | | 300 |
|--|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | EXT DRO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 600 |
| SP-14 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 9,180 |
| SP-15 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 37.0 | 11.5 | 48.5 | 5,240 |
| SP-16 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 269 |
| SP-17 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,710 |
| SP-18 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 3,130 |
| SP-19 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,150 |
| SP-20 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 31.0 |
| SP-21 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <50.0 |
| SP-22 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| SP-23 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 37.9 |
| SP-24 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 20.5 |
| SP-25 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 2,390 |
| SP-26 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 292 |
| SP-27 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 35.7 | 24.9 | 60.6 | 931 |
| SP-28 @ 1' | 1' | 4/3/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 945 |
| SP-29 @ 1' | 1' | 4/9/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,310 |
| SP-29 @ 8' | 8' | 4/9/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 336 |

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

OXY USA, INC.
DORSTATE SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4364

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | | 300 |
|--|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | EXT DRO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 600 |
| SP-30 @ 1' | 1' | 4/9/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,490 |
| SP-30 @ 6' | 6' | 4/9/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 336 |
| SP-31 @ 1' | 1' | 4/9/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 928 |
| SP-31 @ 10' | 10' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 944 |
| SP-32 @ 1' | 1' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 912 |
| SP-32 @ 10' | 10' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 560 |
| SP-33 @ 1' | 1' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 4,240 |
| SP-33 @ 10' | 10' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 3,800 |
| SP-34 @ 1' | 1' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 7,100 |
| SP-34 @ 10' | 10' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,540 |
| SP-35 @ 1' | 1' | 4/10/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 97.7 | 38.0 | 136 | 8,200 |
| SP-35 @ 10' | 10' | 4/10/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 4,300 |
| SP-36 @ 1' | 1' | 4/11/2018 | In-Situ | <0.050 | 0.062 | <0.050 | 1.12 | 1.18 | 38.1 | 1,190 | 216 | 1,444 | 12,000 |
| SP-36 @ 10' | 10' | 4/11/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 19.2 | <10.0 | 19.2 | 2,320 |
| SP-37 @ 1' | 1' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 5,440 |
| SP-37 @ 10' | 10' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 4,560 |
| SP-38 @ 1' | 1' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 8,800 |
| SP-38 @ 10' | 10' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,650 |
| SP-39 @ 4' | 4' | 4/11/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 15,600 |
| SP-39 @ 10' | 10' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 7,000 |
| SP-40 @ 1' | 1' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,160 |
| SP-40 @ 10' | 10' | 4/11/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 960 |

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

OXY USA, INC.
DORSTATE SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4364

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | | 300 |
|--|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | EXT DRO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 600 |
| SP-41 @ 1' | 1' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,600 |
| SP-41 @ 5' | 5' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 368 |
| SP-42 @ 1' | 1' | 4/12/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 2,600 |
| SP-42 @ 6' | 6' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 384 |
| SP-43 @ 1' | 1' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,520 |
| SP-43 @ 10' | 10' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 3,120 |
| SP-44 @ 1' | 1' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,280 |
| SP-44 @ 7' | 7' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 304 |
| SP-45 @ 1' | 1' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 864 |
| SP-45 @ 3' | 3' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 224 |
| SP-46 @ 1' | 1' | 4/12/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 160 |
| SP-47 @ 1' | 1' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,160 |
| SP-47 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,090 |
| SP-48 @ 1' | 1' | 4/13/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 6,320 |
| SP-48 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 5,200 |
| SP-49 @ 1' | 1' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 8,000 |
| SP-49 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,200 |
| SP-50 @ 1' | 1' | 4/13/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 67.8 | 58.0 | 126 | 7,360 |
| SP-50 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 3,160 |
| SP-51 @ 1' | 1' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,000 |
| SP-51 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 1,020 |

**TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**OXY USA, INC.
DORSTATE SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4364**

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | 300 | |
|--|--------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|-----------------------|--------------------|---|--|--|---|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | EXT DRO C ₂₈ -C ₃₅ (mg/Kg) | TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| NMOCD Recommended Remediation Action Levels (RRALs) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 600 |
| SP-52 @ 1' | 1' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 2,640 |
| SP-52 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 528 |
| SP-53 @ 1' | 1' | 4/13/2018 | In-Situ | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 13.8 | <10.0 | 13.8 | 5,280 |
| SP-53 @ 10' | 10' | 4/13/2018 | In-Situ | - | - | - | - | - | - | - | - | - | 784 |

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs



Dorstate SWD - Release Site (Looking Northwest)



Dorstate SWD - Release Site (Looking North-Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North-Northwest)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking West)



Dorstate SWD – Release Site (Looking West)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking Southwest)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking West-Northwest)



Dorstate SWD – Release Site (Looking West-Northwest)

NM OIL CONSERVATION
ARTESIA DISTRICT

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

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

AUG 29 2017

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
RECEIVED

Release Notification and Corrective Action

NAB1724135283

198688 OPERATOR

Initial Report Final Report

| | | |
|--|-----------------------------------|-----------------------------|
| Name of Company Cambrian Management, Ltd. | Contact Mike Anthony | |
| Address PO Box 272, Midland, TX 79702 | Telephone No. 432-631-4398 | |
| Facility Name Dockate SWD | Facility Type SWD | |
| Surface Owner | Mineral Owner | API No. 30-015-23728 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| H | 27 | 25S | 28E | 1980 | North | 660 | East | Eddy |

Latitude **32.102684** Longitude **104.068565** NAD83

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release Water, Produced Water | Volume of Release 25 bbls | Volume Recovered 0 |
| Source of Release | Date and Hour of Occurrence | Date and Hour of Discovery 8-23-17 |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | 8:04 PM |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Overflowing sumps due to truck drivers inattention and excess rainwater.

We will get soil samples and Trinity Environmental and proceed with proper remediation and cleanup

Describe Area Affected and Cleanup Action Taken.*

Pasture land and SWD location

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

| | | |
|---|--|-----------------------------|
| Signature: Denise Jones | OIL CONSERVATION DIVISION | |
| Printed Name: Denise Jones | Signed By: [Signature] Approved by Environmental Specialist: | |
| Title: Regulatory Analyst | Approval Date: 8/29/17 | Expiration Date: N/A |
| E-mail Address: djones@cambrianmgmt.com | Conditions of Approval: See attached | |
| Date: 8-24-17 Phone: 432-620-9181 | Attached: [Signature] | |

* Attach Additional Sheets If Necessary



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

April 11, 2018

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DORSTATE SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/04/18 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| | |
|------------------|---|
| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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:

TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241

Project: DORSTATE SWD
Project Number: NONE GIVEN
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
11-Apr-18 15:38

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|-----------------|-----------------|
| SP-1 @ 1' | H800935-01 | Soil | 29-Mar-18 10:00 | 04-Apr-18 16:30 |
| SP-1 @ 5' | H800935-02 | Soil | 29-Mar-18 12:00 | 04-Apr-18 16:30 |
| SP-1 @ 9' | H800935-03 | Soil | 29-Mar-18 14:50 | 04-Apr-18 16:30 |
| SP-2 @ 1' | H800935-04 | Soil | 29-Mar-18 13:00 | 04-Apr-18 16:30 |
| SP-3 @ 1' | H800935-05 | Soil | 29-Mar-18 13:40 | 04-Apr-18 16:30 |
| SP-4 @ 1' | H800935-06 | Soil | 02-Apr-18 10:30 | 04-Apr-18 16:30 |
| SP-4 @ 3' | H800935-07 | Soil | 02-Apr-18 11:00 | 04-Apr-18 16:30 |
| SP-4 @ 5' | H800935-08 | Soil | 02-Apr-18 11:30 | 04-Apr-18 16:30 |
| SP-4 @ 6' | H800935-09 | Soil | 02-Apr-18 12:00 | 04-Apr-18 16:30 |
| SP-5 @ 1' | H800935-10 | Soil | 02-Apr-18 13:00 | 04-Apr-18 16:30 |
| SP-5 @ 3' | H800935-11 | Soil | 02-Apr-18 13:15 | 04-Apr-18 16:30 |
| SP-6 @ 1' | H800935-12 | Soil | 02-Apr-18 14:30 | 04-Apr-18 16:30 |
| SP-7 @ 1' | H800935-13 | Soil | 02-Apr-18 14:50 | 04-Apr-18 16:30 |
| SP-8 @ 1' | H800935-14 | Soil | 03-Apr-18 09:00 | 04-Apr-18 16:30 |
| SP-9 @ 1' | H800935-15 | Soil | 03-Apr-18 09:10 | 04-Apr-18 16:30 |
| SP-10 @ 1' | H800935-16 | Soil | 03-Apr-18 09:15 | 04-Apr-18 16:30 |
| SP-11 @ 1' | H800935-17 | Soil | 03-Apr-18 09:20 | 04-Apr-18 16:30 |
| SP-12 @ 1' | H800935-18 | Soil | 03-Apr-18 09:30 | 04-Apr-18 16:30 |
| SP-12 @ 3' | H800935-19 | Soil | 03-Apr-18 10:10 | 04-Apr-18 16:30 |
| SP-12 @ 5' | H800935-20 | Soil | 03-Apr-18 10:20 | 04-Apr-18 16:30 |
| SP-13 @ 1' | H800935-21 | Soil | 03-Apr-18 10:40 | 04-Apr-18 16:30 |
| SP-14 @ 1' | H800935-22 | Soil | 03-Apr-18 10:45 | 04-Apr-18 16:30 |
| SP-15 @ 1' | H800935-23 | Soil | 03-Apr-18 10:50 | 04-Apr-18 16:30 |
| SP-16 @ 1' | H800935-24 | Soil | 03-Apr-18 10:55 | 04-Apr-18 16:30 |
| SP-17 @ 1' | H800935-25 | Soil | 03-Apr-18 11:00 | 04-Apr-18 16:30 |
| SP-18 @ 1' | H800935-26 | Soil | 03-Apr-18 11:05 | 04-Apr-18 16:30 |
| SP-19 @ 1' | H800935-27 | Soil | 03-Apr-18 11:10 | 04-Apr-18 16:30 |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

| | | | | |
|------------|------------|------|-----------------|-----------------|
| SP-20 @ 1' | H800935-28 | Soil | 03-Apr-18 11:15 | 04-Apr-18 16:30 |
| SP-21 @ 1' | H800935-29 | Soil | 03-Apr-18 11:20 | 04-Apr-18 16:30 |
| SP-22 @ 1' | H800935-30 | Soil | 03-Apr-18 11:25 | 04-Apr-18 16:30 |
| SP-23 @ 1' | H800935-31 | Soil | 03-Apr-18 11:30 | 04-Apr-18 16:30 |
| SP-24 @ 1' | H800935-32 | Soil | 03-Apr-18 11:35 | 04-Apr-18 16:30 |
| SP-25 @ 1' | H800935-33 | Soil | 03-Apr-18 11:40 | 04-Apr-18 16:30 |
| SP-26 @ 1' | H800935-34 | Soil | 03-Apr-18 11:50 | 04-Apr-18 16:30 |
| SP-27 @ 1' | H800935-35 | Soil | 03-Apr-18 11:55 | 04-Apr-18 16:30 |
| SP-28 @ 1' | H800935-36 | Soil | 03-Apr-18 12:00 | 04-Apr-18 16:30 |

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241

Project: DORSTATE SWD
Project Number: NONE GIVEN
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
11-Apr-18 15:38

SP-1 @ 1'
H800935-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

| | | | | | | | | | | |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 103 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|-------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 80.6 % | 41-142 | | 8040603 | MS | 06-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 69.2 % | 37.6-147 | | 8040603 | MS | 06-Apr-18 | 8015B | |

Green Analytical Laboratories**Soluble (DI Water Extraction)**

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 4030 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-1 @ 5'
H800935-02 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 82.4 % | 41-142 | | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 72.1 % | 37.6-147 | | 8040603 | MS | 06-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 2120 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-1 @ 9'
H800935-03 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 83.6 % | 41-142 | | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 75.0 % | 37.6-147 | | 8040603 | MS | 06-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 1610 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-2 @ 1'
H800935-04 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 82.8 % | 41-142 | | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 74.4 % | 37.6-147 | | 8040603 | MS | 06-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 55.7 | | 10.0 | mg/kg wet | 10 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-3 @ 1'
H800935-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 85.7 % | 41-142 | | 8040603 | MS | 06-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 76.2 % | 37.6-147 | | 8040603 | MS | 06-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 75.1 | | 50.0 | mg/kg wet | 50 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-4 @ 1'
H800935-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 80.2 % | 41-142 | | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 70.0 % | 37.6-147 | | 8040603 | MS | 07-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 4740 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-4 @ 3'
H800935-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 82.4 % | 41-142 | | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 68.9 % | 37.6-147 | | 8040603 | MS | 07-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 1860 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-4 @ 5'
H800935-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 86.1 % | 41-142 | | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 71.8 % | 37.6-147 | | 8040603 | MS | 07-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 850 | | 50.0 | mg/kg wet | 50 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-4 @ 6'
H800935-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|--------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 11-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 11-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 11-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 11-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 11-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 96.3 % | 72-148 | | 8040505 | MS | 11-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 86.8 % | 41-142 | | 8040603 | MS | 07-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 70.2 % | 37.6-147 | | 8040603 | MS | 07-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 758 | | 50.0 | mg/kg wet | 50 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-5 @ 1'
H800935-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 78.8 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 84.0 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 4800 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-5 @ 3'
H800935-11 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 102 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 87.3 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 86.6 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 3900 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-6 @ 1'
H800935-12 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 103 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 80.9 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 77.8 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 38.3 | | 10.0 | mg/kg wet | 10 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-7 @ 1'
H800935-13 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 103 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 84.2 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 82.2 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 98.4 | | 10.0 | mg/kg wet | 10 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-8 @ 1'
H800935-14 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 88.6 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 88.0 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 8070 | | 200 | mg/kg wet | 200 | B804052 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-9 @ 1'
H800935-15 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 85.9 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 84.3 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 119 | | 10.0 | mg/kg wet | 10 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241

Project: DORSTATE SWD
Project Number: NONE GIVEN
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
11-Apr-18 15:38

SP-10 @ 1'
H800935-16 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 87.3 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 85.2 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories**Soluble (DI Water Extraction)**

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 35.6 | | 10.0 | mg/kg wet | 10 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-11 @ 1'
H800935-17 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 104 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | 29.7 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 88.6 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 89.7 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 5040 | | 100 | mg/kg wet | 100 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-12 @ 1'
H800935-18 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 79.0 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 75.2 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 1450 | | 50.0 | mg/kg wet | 50 | B804052 | JDA | 06-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241

Project: DORSTATE SWD
Project Number: NONE GIVEN
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
11-Apr-18 15:38

SP-12 @ 3'
H800935-19 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 89.4 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 95.0 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories**Soluble (DI Water Extraction)**

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 2460 | | 100 | mg/kg wet | 100 | B804052 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-12 @ 5'
H800935-20 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040505 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040505 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 91.5 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 98.9 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 1180 | | 50.0 | mg/kg wet | 50 | B804052 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-13 @ 1'
H800935-21 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|-------|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | QR-03 |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | QR-03 |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 108 % | 72-148 | | 8040506 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 89.6 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 97.0 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 2600 | | 100 | mg/kg wet | 100 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-14 @ 1'
H800935-22 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 109 % | 72-148 | | 8040506 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 91.2 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 98.6 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 9180 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-15 @ 1'
H800935-23 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 107 % | 72-148 | | 8040506 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | 37.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | 11.5 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 96.4 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 108 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 5240 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-16 @ 1'
H800935-24 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 05-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 108 % | 72-148 | | 8040506 | MS | 05-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 88.3 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 95.7 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 269 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-17 @ 1'
H800935-25 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 107 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 93.8 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 96.2 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 1710 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-18 @ 1'
H800935-26 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 107 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 93.8 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 97.4 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 3130 | | 100 | mg/kg wet | 100 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-19 @ 1'
H800935-27 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 106 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 86.3 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 91.1 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 1150 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-20 @ 1'
H800935-28 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 109 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 86.5 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 94.7 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

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Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 31.0 | | 10.0 | mg/kg wet | 10 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-21 @ 1'
H800935-29 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 109 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 90.8 % | 41-142 | | 8040901 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 98.9 % | 37.6-147 | | 8040901 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | <50.0 | | 50.0 | mg/kg wet | 50 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|-------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-22 @ 1'
H800935-30 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 105 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 84.3 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 70.1 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 16.0 | | 10.0 | mg/kg wet | 10 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-23 @ 1'
H800935-31 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 108 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 87.2 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 71.8 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 37.9 | | 10.0 | mg/kg wet | 10 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-24 @ 1'
H800935-32 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 108 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 87.5 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 71.8 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 20.5 | | 10.0 | mg/kg wet | 10 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-25 @ 1'
H800935-33 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 109 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 93.2 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 78.5 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 2390 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|------|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-26 @ 1'
H800935-34 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

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Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 108 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|-------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 94.7 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 81.1 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|
| Chloride | 292 | | 10.0 | mg/kg wet | 10 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|-----|--|------|-----------|----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-27 @ 1'
H800935-35 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|---------------------------------------|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 104 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|-------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | 35.7 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | 24.9 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 91.9 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 94.9 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 931 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

**SP-28 @ 1'
H800935-36 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|--|--------|--|-------|--------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 8040506 | MS | 06-Apr-18 | 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 110 % | 72-148 | | 8040506 | MS | 06-Apr-18 | 8021B | |

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|--------------------------------------|-------|--|--------|----------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctane</i> | | | 93.0 % | 41-142 | | 8040902 | MS | 10-Apr-18 | 8015B | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 89.6 % | 37.6-147 | | 8040902 | MS | 10-Apr-18 | 8015B | |

Green Analytical Laboratories

Soluble (DI Water Extraction)

| | | | | | | | | | | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|
| Chloride | 945 | | 200 | mg/kg wet | 200 | B804053 | JDA | 07-Apr-18 | EPA300.0 | |
|----------|-----|--|-----|-----------|-----|---------|-----|-----------|----------|--|

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 8040505 - Volatiles

| | | | | | | | | | | |
|--|--------------|--------------------------------|-------|--------------|--|------------|---------------|--|--|--|
| Blank (8040505-BLK1) | | Prepared & Analyzed: 05-Apr-18 | | | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.103</i> | | mg/kg | <i>0.100</i> | | <i>103</i> | <i>72-148</i> | | | |

| | | | | | | | | | | |
|--|--------------|--------------------------------|-------|--------------|--|------------|---------------|--|--|--|
| LCS (8040505-BS1) | | Prepared & Analyzed: 05-Apr-18 | | | | | | | | |
| Benzene | 2.14 | 0.050 | mg/kg | 2.00 | | 107 | 79.5-124 | | | |
| Toluene | 2.11 | 0.050 | mg/kg | 2.00 | | 106 | 75.5-127 | | | |
| Ethylbenzene | 2.12 | 0.050 | mg/kg | 2.00 | | 106 | 77.7-125 | | | |
| Total Xylenes | 6.59 | 0.150 | mg/kg | 6.00 | | 110 | 70.9-124 | | | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.101</i> | | mg/kg | <i>0.100</i> | | <i>101</i> | <i>72-148</i> | | | |

| | | | | | | | | | | |
|--|--------------|--------------------------------|-------|--------------|--|------------|---------------|------|------|--|
| LCS Dup (8040505-BSD1) | | Prepared & Analyzed: 05-Apr-18 | | | | | | | | |
| Benzene | 2.09 | 0.050 | mg/kg | 2.00 | | 105 | 79.5-124 | 2.15 | 6.5 | |
| Toluene | 2.08 | 0.050 | mg/kg | 2.00 | | 104 | 75.5-127 | 1.45 | 7.02 | |
| Ethylbenzene | 2.09 | 0.050 | mg/kg | 2.00 | | 104 | 77.7-125 | 1.57 | 7.83 | |
| Total Xylenes | 6.48 | 0.150 | mg/kg | 6.00 | | 108 | 70.9-124 | 1.75 | 7.78 | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.103</i> | | mg/kg | <i>0.100</i> | | <i>103</i> | <i>72-148</i> | | | |

| | | | | | | | | | | |
|--|--------------|--------------------------------|-------|--------------|--|------------|---------------|--|--|--|
| Batch 8040506 - Volatiles | | | | | | | | | | |
| Blank (8040506-BLK1) | | Prepared & Analyzed: 05-Apr-18 | | | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | <i>0.107</i> | | mg/kg | <i>0.100</i> | | <i>107</i> | <i>72-148</i> | | | |

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 8040506 - Volatiles

LCS (8040506-BS1)

Prepared & Analyzed: 05-Apr-18

| | | | | | | | | | | |
|---------------------------------------|-------|-------|-------|-------|--|------|----------|--|--|--|
| Benzene | 1.79 | 0.050 | mg/kg | 2.00 | | 89.5 | 79.5-124 | | | |
| Toluene | 1.87 | 0.050 | mg/kg | 2.00 | | 93.4 | 75.5-127 | | | |
| Ethylbenzene | 1.87 | 0.050 | mg/kg | 2.00 | | 93.7 | 77.7-125 | | | |
| Total Xylenes | 5.58 | 0.150 | mg/kg | 6.00 | | 93.0 | 70.9-124 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.107 | | mg/kg | 0.100 | | 107 | 72-148 | | | |

LCS Dup (8040506-BSD1)

Prepared & Analyzed: 05-Apr-18

| | | | | | | | | | | |
|---------------------------------------|-------|-------|-------|-------|--|------|----------|------|------|--|
| Benzene | 1.76 | 0.050 | mg/kg | 2.00 | | 88.1 | 79.5-124 | 1.55 | 6.5 | |
| Toluene | 1.83 | 0.050 | mg/kg | 2.00 | | 91.5 | 75.5-127 | 2.07 | 7.02 | |
| Ethylbenzene | 1.84 | 0.050 | mg/kg | 2.00 | | 92.1 | 77.7-125 | 1.78 | 7.83 | |
| Total Xylenes | 5.48 | 0.150 | mg/kg | 6.00 | | 91.3 | 70.9-124 | 1.83 | 7.78 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.108 | | mg/kg | 0.100 | | 108 | 72-148 | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 8040603 - General Prep - Organics

| | | | | | | | | | | |
|-------------------------------|------|------|--------------------------------|------|--|------|----------|--|--|--|
| Blank (8040603-BLK1) | | | Prepared & Analyzed: 06-Apr-18 | | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C35 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Total TPH C6-C28 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 46.5 | | mg/kg | 50.0 | | 92.9 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 43.0 | | mg/kg | 50.0 | | 86.0 | 37.6-147 | | | |

| | | | | | | | | | | |
|-------------------------------|------|------|--------------------------------|------|--|------|----------|--|--|--|
| LCS (8040603-BS1) | | | Prepared & Analyzed: 06-Apr-18 | | | | | | | |
| GRO C6-C10 | 213 | 10.0 | mg/kg | 200 | | 106 | 76.5-133 | | | |
| DRO >C10-C28 | 214 | 10.0 | mg/kg | 200 | | 107 | 72.9-138 | | | |
| Total TPH C6-C28 | 427 | 10.0 | mg/kg | 400 | | 107 | 78-132 | | | |
| Surrogate: 1-Chlorooctane | 47.1 | | mg/kg | 50.0 | | 94.2 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 46.2 | | mg/kg | 50.0 | | 92.4 | 37.6-147 | | | |

| | | | | | | | | | | |
|-------------------------------|------|------|--------------------------------|------|--|------|----------|-------|------|--|
| LCS Dup (8040603-BSD1) | | | Prepared & Analyzed: 06-Apr-18 | | | | | | | |
| GRO C6-C10 | 218 | 10.0 | mg/kg | 200 | | 109 | 76.5-133 | 2.47 | 20.6 | |
| DRO >C10-C28 | 214 | 10.0 | mg/kg | 200 | | 107 | 72.9-138 | 0.117 | 20.6 | |
| Total TPH C6-C28 | 432 | 10.0 | mg/kg | 400 | | 108 | 78-132 | 1.30 | 18 | |
| Surrogate: 1-Chlorooctane | 48.3 | | mg/kg | 50.0 | | 96.6 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 45.9 | | mg/kg | 50.0 | | 91.8 | 37.6-147 | | | |

Batch 8040901 - General Prep - Organics

| | | | | | | | | | | |
|-------------------------------|------|------|---|------|--|------|----------|--|--|--|
| Blank (8040901-BLK1) | | | Prepared: 09-Apr-18 Analyzed: 10-Apr-18 | | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C35 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Total TPH C6-C28 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 47.3 | | mg/kg | 50.0 | | 94.6 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 46.6 | | mg/kg | 50.0 | | 93.1 | 37.6-147 | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 8040901 - General Prep - Organics

| LCS (8040901-BS1) | | Prepared: 09-Apr-18 Analyzed: 10-Apr-18 | | | | | | | | |
|-------------------------------|------|---|-------|------|--|------|----------|--|--|--|
| GRO C6-C10 | 216 | 10.0 | mg/kg | 200 | | 108 | 76.5-133 | | | |
| DRO >C10-C28 | 229 | 10.0 | mg/kg | 200 | | 114 | 72.9-138 | | | |
| Total TPH C6-C28 | 445 | 10.0 | mg/kg | 400 | | 111 | 78-132 | | | |
| Surrogate: 1-Chlorooctane | 47.2 | | mg/kg | 50.0 | | 94.4 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 46.8 | | mg/kg | 50.0 | | 93.6 | 37.6-147 | | | |

| LCS Dup (8040901-BSD1) | | Prepared: 09-Apr-18 Analyzed: 10-Apr-18 | | | | | | | | |
|-------------------------------|------|---|-------|------|--|------|----------|------|------|--|
| GRO C6-C10 | 204 | 10.0 | mg/kg | 200 | | 102 | 76.5-133 | 5.65 | 20.6 | |
| DRO >C10-C28 | 206 | 10.0 | mg/kg | 200 | | 103 | 72.9-138 | 10.2 | 20.6 | |
| Total TPH C6-C28 | 411 | 10.0 | mg/kg | 400 | | 103 | 78-132 | 7.98 | 18 | |
| Surrogate: 1-Chlorooctane | 48.1 | | mg/kg | 50.0 | | 96.2 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 46.9 | | mg/kg | 50.0 | | 93.7 | 37.6-147 | | | |

Batch 8040902 - General Prep - Organics

| Blank (8040902-BLK1) | | Prepared: 09-Apr-18 Analyzed: 10-Apr-18 | | | | | | | | |
|-------------------------------|------|---|-------|------|--|------|----------|--|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C35 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Total TPH C6-C28 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 46.0 | | mg/kg | 50.0 | | 92.0 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 42.6 | | mg/kg | 50.0 | | 85.1 | 37.6-147 | | | |

| LCS (8040902-BS1) | | Prepared: 09-Apr-18 Analyzed: 10-Apr-18 | | | | | | | | |
|-------------------------------|------|---|-------|------|--|------|----------|--|--|--|
| GRO C6-C10 | 211 | 10.0 | mg/kg | 200 | | 106 | 76.5-133 | | | |
| DRO >C10-C28 | 178 | 10.0 | mg/kg | 200 | | 89.1 | 72.9-138 | | | |
| Total TPH C6-C28 | 389 | 10.0 | mg/kg | 400 | | 97.4 | 78-132 | | | |
| Surrogate: 1-Chlorooctane | 47.6 | | mg/kg | 50.0 | | 95.1 | 41-142 | | | |
| Surrogate: 1-Chlorooctadecane | 49.4 | | mg/kg | 50.0 | | 98.8 | 37.6-147 | | | |

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 8040902 - General Prep - Organics

LCS Dup (8040902-BSD1)

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|------|----------|------|------|--|--|
| GRO C6-C10 | 222 | 10.0 | mg/kg | 200 | 111 | 76.5-133 | 4.74 | 20.6 | | |
| DRO >C10-C28 | 203 | 10.0 | mg/kg | 200 | 102 | 72.9-138 | 13.2 | 20.6 | | |
| Total TPH C6-C28 | 425 | 10.0 | mg/kg | 400 | 106 | 78-132 | 8.71 | 18 | | |
| Surrogate: 1-Chlorooctane | 47.1 | | mg/kg | 50.0 | 94.2 | 41-142 | | | | |
| Surrogate: 1-Chlorooctadecane | 49.8 | | mg/kg | 50.0 | 99.7 | 37.6-147 | | | | |

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Analytical Results For:

| | | |
|---|---|------------------------------|
| TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241 | Project: DORSTATE SWD Project Number: NONE GIVEN Project Manager: BEN ARGUIJO Fax To: NONE | Reported: 11-Apr-18 15:38 |
|---|---|------------------------------|

Soluble (DI Water Extraction) - Quality Control

Green Analytical Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B804052 - General Prep - Wet Chem

Blank (B804052-BLK1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 10.0 | mg/kg wet | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|

LCS (B804052-BS1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 229 | 10.0 | mg/kg wet | 250 | | 91.6 | 85-115 | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

LCS Dup (B804052-BSD1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 229 | 10.0 | mg/kg wet | 250 | | 91.5 | 85-115 | 0.170 | 20 | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

Batch B804053 - General Prep - Wet Chem

Blank (B804053-BLK1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 10.0 | mg/kg wet | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|

LCS (B804053-BS1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 227 | 10.0 | mg/kg wet | 250 | | 90.9 | 85-115 | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

LCS Dup (B804053-BSD1) Prepared & Analyzed: 06-Apr-18

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 228 | 10.0 | mg/kg wet | 250 | | 91.4 | 85-115 | 0.597 | 20 | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

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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 LCS/D recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

| | |
|--|------------------|
| Company Name: Trinity Oilfield Services & Rentals, LLC | P.O. #: Trinity |
| Project Manager: Ben J. Argujio | Company: Trinity |
| Address: P.O. Box 2587 | Attn: |
| City: Hobbs | Address: |
| State: NM Zip: 88241 | City: |
| Phone #: (575)390-7208 | State: Zip: |
| Fax #: (575)390-7208 | Phone #: |
| Project #: Project Owner: Cambrian | Fax #: |
| Project Name: Dorstate SWD | |
| Project Location: Eddy Co., NM | |
| Sampler Name: Tristan Payne | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------|------|-------------|--------------|----------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| H800935 | 1 | G | 1 | X | | | | | | | | | | |
| | 2 | G | 1 | X | | | | | | | | | | |
| | 3 | G | 1 | X | | | | | | | | | | |
| | 4 | G | 1 | X | | | | | | | | | | |
| | 5 | G | 1 | X | | | | | | | | | | |
| | 6 | G | 1 | X | | | | | | | | | | |
| | 7 | G | 1 | X | | | | | | | | | | |
| | 8 | G | 1 | X | | | | | | | | | | |
| | 9 | G | 1 | X | | | | | | | | | | |

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| | | | |
|---|---------------|---|--------------------------------|
| Reinquisitioned By: <i>[Signature]</i> | Date: 4/4/18 | Received By: <i>[Signature]</i> | Date: 4/4/18 |
| Reinquisitioned By: <i>[Signature]</i> | Date: 4/30/18 | Received By: <i>[Signature]</i> | Date: 4/30/18 |
| Delivered By: (Circle One) UPS - Bus - Other: 5.22/5.15 | Time: #75 | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: <i>[Signature]</i> |

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

corrected - 05/2

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

| | |
|--|-----------------|
| Company Name: Trinity Oilfield Services & Rentals, LLC | P.O. #: Trinity |
| Project Manager: Ben J. Argujio | Compan: Trinity |
| Address: P.O. Box 2587 | Attn: |
| City: Hobbs | Address: |
| State: NIM Zip: 88241 | City: |
| Phone #: (575)390-7208 | State: Zip: |
| Fax #: Project Owner: Cambrian | Phone #: |
| Project Name: Dorstate SWD | Fax #: |
| Project Location: Eddy Co., NM | |
| Sampler Name: Tristan Payne | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) | |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------|--------|-------------|--------------|----------------|------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | ACID/BASE: |
| 11 | SP-5 @ 3' | G | 1 | X | | | | | | | 4/2/18 | 1315 | X | X | X |
| 12 | SP-6 @ 1' | G | 1 | X | | | | | | | 4/2/18 | 1430 | X | X | X |
| 13 | SP-7 @ 1' | G | 1 | X | | | | | | | 4/2/18 | 1450 | X | X | X |
| 14 | SP-8 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 0900 | X | X | X |
| 15 | SP-9 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 0910 | X | X | X |
| 16 | SP-10 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 0915 | X | X | X |
| 17 | SP-11 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 0920 | X | X | X |
| 18 | SP-12 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 0930 | X | X | X |
| 19 | SP-12 @ 3' | G | 1 | X | | | | | | | 4/3/18 | 1010 | X | X | X |
| 20 | SP-12 @ 5' | G | 1 | X | | | | | | | 4/3/18 | 1020 | X | X | X |

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| | | | |
|-------------------------------------|---------------|---------------------------------|---------------|
| Relinquished By: <i>[Signature]</i> | Date: 4-11-18 | Received By: <i>[Signature]</i> | Date: 4-11-18 |
| Time: 4:30pm | | Time: 4:30pm | |
| Relinquished By: <i>[Signature]</i> | Date: #75 | Received By: <i>[Signature]</i> | Date: 5.15.22 |
| Time: 5:15pm | | Time: 5:15pm | |

| | | | | | |
|----------------------------|---------|-----|-------|---------|---------|
| Delivered By: (Circle One) | UPS | Bus | Other | 5.15.22 | 5.15.22 |
| Sample Condition | Checked | Yes | No | Yes | No |
| Initials | | | | | |

FORM-006
 Revision 1.0
 Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
 corrected - 05/22

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Bill To

ANALYSIS REQUEST

| | | |
|--|----------|---------|
| Company Name: Trinity Oilfield Services & Rentals, LLC | P.O. #: | |
| Project Manager: Ben J. Argujio | Company: | Trinity |
| Address: P.O. Box 2587 | Attn: | |
| City: Hobbs | Address: | |
| State: NM Zip: 88241 | City: | |
| Phone #: (575)390-7208 | State: | Zip: |
| Fax #: | Phone #: | |
| Project #: Project Owner: Cambrian | | |
| Project Name: Dorstate SWD | | |
| Project Location: Eddy Co., NM | | |
| Sampler Name: Tristan Payne | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) | |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------|--------|-------------|--------------|----------------|------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | ACID/BASE: |
| 21 | SP-13 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1040 | X | X | X |
| 22 | SP-14 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1045 | X | X | X |
| 23 | SP-15 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1050 | X | X | X |
| 24 | SP-16 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1055 | X | X | X |
| 25 | SP-17 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1100 | X | X | X |
| 26 | SP-18 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1105 | X | X | X |
| 27 | SP-19 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1110 | X | X | X |
| 28 | SP-20 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1115 | X | X | X |
| 29 | SP-21 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1120 | X | X | X |
| 30 | SP-22 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1125 | X | X | X |

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Relinquished By: *[Signature]* Date: 4-9-18 Time: 4:30p
 Received By: *[Signature]* Date: 4-9-18 Time: 4:30p
 Relinquished By: *[Signature]* Date: 5-22-18 Time: 5:15p
 Received By: *[Signature]* Date: 5-22-18 Time: 5:15p

Delivered By: (Circle One) **UPS** - Bus - Other: **5.22/5.15p**
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

| | | | |
|--|--|----------------|------------|
| Company Name: Trinity Oilfield Services & Rentals, LLC | | P.O. #: | |
| Project Manager: Ben J. Argujio | | Company: | Trinity |
| Address: P.O. Box 2587 | | Attn: | |
| City: Hobbs | | State: NIM | Zip: 88241 |
| Phone #: (575)390-7208 | | Fax #: | |
| Project #: | | Project Owner: | Cambrian |
| Project Name: Dorstate SWD | | City: | |
| Project Location: Eddy Co., NM | | State: | Zip: |
| Sampler Name: Tristan Payne | | Phone #: | |
| FOR LAB USE ONLY | | Fax #: | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------------|--------|------|-------------|--------------|----------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | | | | |
| H800935 | SP-23 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1130 | X | X | X |
| | SP-24 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1135 | X | X | X |
| | SP-25 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1140 | X | X | X |
| | SP-26 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1150 | X | X | X |
| | SP-27 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1155 | X | X | X |
| | SP-28 @ 1' | G | 1 | X | | | | | | | 4/3/18 | 1200 | X | X | X |

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| | | | | |
|---------------------------------------|------------------|---|---|----------------------|
| Reinquinshed By: <i>[Signature]</i> | Date: 4/4/18 | Received By: <i>[Signature]</i> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: _____ |
| Reinquinshed By: <i>[Signature]</i> | Time: 4:30p | Received By: <i>[Signature]</i> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: _____ |
| Delivered By: (Circle One) UPS | Date: 5/22/5.150 | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | REMARKS: | |
| Sampler - UPS - Bus - Other: | Time: #15 | Checked By: <i>[Signature]</i> | Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com | |

FORM-006
 Revision 1.0
 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
Cardinal = OSC



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

April 30, 2018

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DORSTATE SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/19/18 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/09/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 29 @ 1' (H801094-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1310 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 29 @ 8' (H801094-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 30 @ 1' (H801094-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.00 | 100 | 2.00 | 0.705 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.04 | 102 | 2.00 | 1.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 104 | 2.00 | 1.34 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.08 | 101 | 6.00 | 0.503 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 72-148

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1490 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-----------|--------|-----------------|----------|-----------------|----|------------|---------------|-----|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| | | | | | | | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/09/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 30 @ 1' (H801094-03)

| 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 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/23/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.7 % | 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.7 % | 37.6-147 | | | | | | | |

Sample ID: SP- 30 @ 6' (H801094-04)

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 31 @ 1' (H801094-05)

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 928 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 31 @ 10' (H801094-06)

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 944 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/10/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 32 @ 1' (H801094-07)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 32 @ 10' (H801094-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 33 @ 1' (H801094-09)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4240 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 33 @ 10' (H801094-10)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3800 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 34 @ 1' (H801094-11)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7100 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | QM-07 |

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/10/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 34 @ 10' (H801094-12)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 1540 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

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Analytical Results For:

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/10/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 35 @ 1' (H801094-13)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8200 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | 97.7 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | 38.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/10/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 35 @ 10' (H801094-14)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4300 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/11/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 36 @ 1' (H801094-15)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | 0.062 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | 1.12 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | 1.18 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 139 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12000 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 38.1 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | 1190 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | 216 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/11/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 36 @ 10' (H801094-16)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | I-02 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2018 | ND | 2.00 | 100 | 2.00 | 1.95 | QM-07 |
| Toluene* | <0.050 | 0.050 | 04/27/2018 | ND | 1.98 | 98.8 | 2.00 | 2.40 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2018 | ND | 1.93 | 96.3 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2018 | ND | 5.91 | 98.6 | 6.00 | 1.54 | |
| Total BTEX | <0.300 | 0.300 | 04/27/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | I-03 | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2320 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | I-03 | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/27/2018 | ND | 208 | 104 | 200 | 0.405 | |
| DRO >C10-C28* | 19.2 | 10.0 | 04/27/2018 | ND | 204 | 102 | 200 | 0.173 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/27/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.1 % 37.6-147

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Analytical Results For:

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/11/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 37 @ 1' (H801094-17)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5440 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 37 @ 10' (H801094-18)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4560 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 38 @ 1' (H801094-19)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8800 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 38 @ 10' (H801094-20)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1650 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/11/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 39 @ 4' (H801094-21)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 15600 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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Analytical Results For:

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/11/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 39 @ 10' (H801094-22)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7000 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 40 @ 1' (H801094-23)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 40 @ 10' (H801094-24)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 960 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 41 @ 1' (H801094-25)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1600 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 41 @ 5' (H801094-26)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/12/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 42 @ 1' (H801094-27)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2600 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/12/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 42 @ 6' (H801094-28)

| 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 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 43 @ 1' (H801094-29)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2520 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 43 @ 10' (H801094-30)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3120 | 16.0 | 04/25/2018 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP- 44 @ 1' (H801094-31)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2280 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | QM-07 |

Sample ID: SP- 44 @ 7' (H801094-32)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/12/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 45 @ 1' (H801094-33)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 864 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 45 @ 3' (H801094-34)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 46 @ 1' (H801094-35)

| 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 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 47 @ 1' (H801094-36)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 47 @ 10' (H801094-37)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1090 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 48 @ 1' (H801094-38)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6320 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 80.6 % 37.6-147

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 48 @ 10' (H801094-39)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5200 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 49 @ 1' (H801094-40)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8000 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 49 @ 10' (H801094-41)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1200 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 50 @ 1' (H801094-42)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 72-148

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7360 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | 67.8 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | 58.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 67.6 % 41-142

Surrogate: 1-Chlorooctadecane 64.5 % 37.6-147

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 50 @ 10' (H801094-43)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3160 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 51 @ 1' (H801094-44)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2000 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 51 @ 10' (H801094-45)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1020 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 52 @ 1' (H801094-46)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2640 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SP- 52 @ 10' (H801094-47)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CC | | |

Sample ID: SP- 53 @ 1' (H801094-48)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.13 | 106 | 2.00 | 2.90 | |
| Toluene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.09 | 104 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/23/2018 | ND | 2.07 | 103 | 2.00 | 4.39 | |
| Total Xylenes* | <0.150 | 0.150 | 04/23/2018 | ND | 6.32 | 105 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 04/23/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 72-148

| 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 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/23/2018 | ND | 213 | 107 | 200 | 0.870 | |
| DRO >C10-C28* | 13.8 | 10.0 | 04/23/2018 | ND | 209 | 104 | 200 | 2.13 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/23/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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Analytical Results For:

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 BEN ARGUIJO
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|-----------------------------------|---------------------|---------------|
| Received: | 04/19/2018 | Sampling Date: | 04/13/2018 |
| Reported: | 04/30/2018 | Sampling Type: | Soil |
| Project Name: | DORSTATE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | PERMIAN WATER SOLUTIONS - EDDY CO | | |

Sample ID: SP- 53 @ 10' (H801094-49)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 04/25/2018 | ND | 416 | 104 | 400 | 3.77 | |

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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.
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.
I-03 This result was extracted outside of the EPA recommended holding time of 14 days.
I-02 This result was analyzed outside of the EPA recommended holding time.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | |
|---|------------------------------------|-------------------------|
| Company Name: Trinity Oilfield Services & Rentals, LLC | P.O. #: | ANALYSIS REQUEST |
| Project Manager: Ben J. Arguilo | Company: Trinity | |
| Address: P.O. Box 2587 | Attn: | |
| City: Hobbs | Address: | |
| Phone #: (575)390-7208 | State: NM Zip: 88241 | |
| Project #: | City: | |
| Project Name: Dorstate SWD | State: | |
| Project Location: Eddy, NM | Phone #: | |
| Sampler Name: Tristan Payne | Fax #: | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|------|-------------|--------------|----------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| 1 | SP-29 @ 1' | G | 1 | X | | | | | | 4/9/18 | 0930 | | | |
| 2 | SP-29 @ 8' | G | 1 | X | | | | | | 4/9/18 | 1105 | X | | |
| 3 | SP-30 @ 1' | G | 1 | X | | | | | | 4/9/18 | 1120 | X | X | |
| 4 | SP-30 @ 6' | G | 1 | X | | | | | | 4/9/18 | 1145 | X | X | |
| 5 | SP-31 @ 1' | G | 1 | X | | | | | | 4/9/18 | 1300 | X | X | |
| 6 | SP-31 @ 10' | G | 1 | X | | | | | | 4/10/18 | 1030 | X | X | |
| 7 | SP-32 @ 1' | G | 1 | X | | | | | | 4/10/18 | 1115 | X | X | |
| 8 | SP-32 @ 10' | G | 1 | X | | | | | | 4/10/18 | 1155 | X | X | |
| 9 | SP-33 @ 1' | G | 1 | X | | | | | | 4/10/18 | 1300 | X | X | |
| 10 | SP-33 @ 10' | G | 1 | X | | | | | | 4/10/18 | 1350 | X | X | |

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| | | | |
|---|---|---|--|
| Relinquished By: [Signature] | Date: 4/19/18 | Received By: [Signature] | Date: 4/19/18 |
| Delivered By: (Circle One) #15 | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool | Checked By: [Signature] | Initials: [Signature] |
| Sampler - UPS - Bus - Other: 1102/1105 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | No <input type="checkbox"/> Yes <input type="checkbox"/> |

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Trinity Oilfield Services & Rentals, LLC
 Project Manager: Ben J. Argujio
 Address: P.O. Box 2587
 City: Hobbs State: NM Zip: 88241
 Phone #: (575)390-7208 Fax #:
 Project #: Project Owner: Permian Water Solutions
 Project Name: Dorstate SWD
 Project Location: Eddy, NM
 Sampler Name: Tristian Payne
 P.O. #:
 Company: Trinity
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

| Lab I.D. | Sample I.D. | (G)GRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |
|----------|-------------|--------------------|--------------|-------------|------------|------|-----|--------|--------|------------|---------|------|-------------|--------------|----------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | | | | | |
| H801094 | | | | | | | | | | | | | | | |
| 11 | SP-34 @ 1' | G | 1 | X | | | | | | | 4/10/18 | 1400 | | X | |
| 12 | SP-34 @ 10' | G | 1 | X | | | | | | | 4/10/18 | 1445 | | X | |
| 13 | SP-35 @ 1' | G | 1 | X | | | | | | | 4/10/18 | 1450 | | X | |
| 14 | SP-35 @ 10' | G | 1 | X | | | | | | | 4/10/18 | 1535 | | X | |
| 15 | SP-36 @ 1' | G | 1 | X | | | | | | | 4/11/18 | 1015 | | X | |
| 16 | SP-36 @ 10' | G | 1 | X | | | | | | | 4/11/18 | 1100 | | X | |
| 17 | SP-37 @ 1' | G | 1 | X | | | | | | | 4/11/18 | 1105 | | X | |
| 18 | SP-37 @ 10' | G | 1 | X | | | | | | | 4/11/18 | 1150 | | X | |
| 19 | SP-38 @ 1' | G | 1 | X | | | | | | | 4/11/18 | 1350 | | X | |
| 20 | SP-38 @ 10' | G | 1 | X | | | | | | | 4/11/18 | 1435 | | X | |

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: *4/19/18* Time: *4:30*
 Received By: *[Signature]* Date: *4/19/18* Time: *4:30*
 Delivered By: (Circle One) *UPS* *1:10* / *1:05*
 Sampler - UPS - Bus - Other: UPS Bus Other
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*
 * Added as per Ben. 4/12/18 &
 Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services & Rentals, LLC **BILL TO** ANALYSIS REQUEST
 Project Manager: Ben J. Argujio P.O. #: Trinity
 Address: P.O. Box 2587 State: NIM Zip: 88241 Company: Trinity
 City: Hobbs Attn: Address: Hobbs
 Phone #: (575)390-7208 Fax #: Project Owner: Permian Water Solutions
 Project #: City: State: Zip:
 Project Name: Dorstate SMD Phone #:
 Project Location: Eddy, NM Fax #:
 Sampler Name: Tristan Payne

| Lab I.D. | Sample I.D. | (G)GRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | | DATE | TIME | TPH (8015M) | BTEX (8021B) | Chloride (300) |
|----------|-------------|--------------------|--------------|-------------|------------|------|-----|--------|---------|------------|---------|------|-------------|--------------|----------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | | | | |
| 21 | SP-39 @ 4' | G | 1 | X | | | | | | | 4/11/18 | 1300 | X | X | X |
| 22 | SP-39 @ 10' | G | 1 | X | | | | | | | 4/11/18 | 1345 | X | X | X |
| 23 | SP-40 @ 1' | G | 1 | X | | | | | | | 4/11/18 | 1440 | X | X | X |
| 24 | SP-40 @ 10' | G | 1 | X | | | | | | | 4/11/18 | 1525 | X | X | X |
| 25 | SP-41 @ 1' | G | 1 | X | | | | | | | 4/12/18 | 1030 | X | X | X |
| 26 | SP-41 @ 5' | G | 1 | X | | | | | | | 4/12/18 | 1050 | X | X | X |
| 27 | SP-42 @ 1' | G | 1 | X | | | | | | | 4/12/18 | 1100 | X | X | X |
| 28 | SP-42 @ 6' | G | 1 | X | | | | | | | 4/12/18 | 1125 | X | X | X |
| 29 | SP-43 @ 1' | G | 1 | X | | | | | | | 4/12/18 | 1135 | X | X | X |
| 30 | SP-43 @ 10' | G | 1 | X | | | | | | | 4/12/18 | 1220 | X | X | X |

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for 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 services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____ Date: _____ Time: _____
 Received By: *Ben J. Argujio* Date: *4/19/18* Time: *4:30*
 Delivered By: (Circle One) *UPS* Sample Condition: Intact Damaged
 Sampler - UPS - Bus - Other: *1.10e / 1.05e* No No
 CHECKED BY: *Ben J. Argujio*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: _____
 Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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

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

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

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

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

CONDITIONS

Action 111644

CONDITIONS

| | |
|---|---|
| Operator: Permian Water Solutions, LLC PO Box 2106 Midland, TX 79702 | OGRID: 373626 |
| | Action Number: 111644 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | The Remediation Plan is Conditionally Approved. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area needs confirmation samples representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. If the fluids from the release entered the old legacy reserve pit, the spill and the legacy reserve pit will need to be cleaned up. The liners are approved with the stipulation that as much of the contaminated soil is safely removed as possible or the vertical delineation meets the strictest closure criteria standards. The 3 borings being completed as temporary monitoring wells will allow Apache to verify that there was no groundwater impact. It is important that the OCD have one boring in the release area to compare to the "Up Gradient Boring Location" and the "Down Gradient Boring Location". The borings will need to be safely drilled and purged. | 6/27/2023 |