

APPROVED

August 22, 2016

Mr. Jamie Keyes
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, Mexico 88240



P. O. Box 12177 • Odessa TX 79768

Submitted electronically via email

RE: Remediation Closure Report - NMOCD Case No. 1R-3921
EOG Endurance 25 FED #2 SWD Produced Water Release
T26S R33E Section 25 Unit Letter E, Lea County, New Mexico

Dear Mr. Jones:

As agent for Energi Insurance Inc. (Energi), Trident Environmental submits this *Remediation Closure Report* and final C-141 form (Attachment A) to describe and document completion of corrective actions at the above-referenced facility. All work was completed in accordance with the NMOCD- and BLM-approved *Corrective Action Plan* (CAP). Copies of the CAP, *Investigation Summary*, initial C-141 forms, and NMOCD/BLM email correspondence are also included in Attachment A.

Background and Chronology of Events

- An accidental produced water release occurred at the Endurance 25 FED #2 SWD facility (API No. 30-025-41067) on a lease operated by EOG Resources, Inc (EOG) on October 4, 2015. The site is located approximately 21 miles southwest of Jal, New Mexico as depicted in Figure 1 (Location Map). According to the initial form C-141, the estimated volume of the spill was 100 barrels (bbl) with about 40 bbl recovered (60 bbl lost) by a vacuum truck during the late hours on October 4, 2015. The release originated from the load line and flowed approximately 150 ft west across the well pad and then north-northwesterly approximately 300 ft into undeveloped pasture land, as depicted in Figure 2 (Investigation Map).
- EOG retained Larson & Associates Inc. (LAI) to conduct an investigation to delineate the soil impact at the site. On October 16, October 19, and November 2, LAI used a direct push rig to collect soil samples for delineation at nine sample points located in pooled areas along the axis of the release path between the load line (DP-1) and its final resting point (DP-9) as depicted in Figure 2. On November 21, 2015, LAI performed additional investigation with an air rotary rig and jam tube sampler to collect soil samples for vertical delineation at DP-8.
- On behalf of EOG, LAI submitted an *Investigation Summary* to the OCD on November 21, 2015. The report detailed the investigations summarized above and included a remediation plan that was conditionally-approved by OCD on November 23, 2015 (Appendix B of Attachment A).

- Subsequently, under the management directives of Energi Insurance Inc. representing the responsible party (Steven Kent Trucking), Trident Environmental submitted an updated *Corrective Action Plan* (Attachment A) to the OCD and BLM on May 13, 2016, which was approved by both agencies on May 16, 2016, and May 20, 2016, respectively.
- After proposal and contract matters were completed, corrective action activities commenced on June 6, 2016, as further described below.

Corrective Action Activities

SDR Enterprises, LLC (SDR) was on site with a trackhoe and front-end loader to begin excavation work on June 6, 2016. The extent of excavation is depicted in Figure 3. Excavated soil was stockpiled along the north end of the SWD well site caliche pad. A 6-point composited soil sample was collected at each stockpile at a rate of approximately 1 sample per 100-200 yd³, field tested for chloride content, and submitted to Permian Basin Environmental Lab (PBEL), an accredited laboratory in Midland TX, for laboratory analysis and confirmation of chloride concentration.

Field screening was accomplished by a combination of chloride titration, Hach Quantabs (dip strips), and use of a Hanna Model 98130 conductivity meter using standard accepted procedures, and followed by accredited laboratory analysis for confirmation. The field titration method, as described in Attachment B, was conducted in a manner consistent with the standard titration method (SM 4500Cl-B) performed at accredited laboratories. Laboratory analyses indicated that the use of a conductivity meter performed best for field guidance of excavation activities. The titration method worked well also with a mean (average) of 2,243 mg/kg as compared to a mean of 2,407 mg/kg for lab analyzed samples. In all cases, a 1:3 ratio of soil (grams) to water (milliliters) was used to prepare a 10 ml field screen sample for measurement. Table 1 summarizes the chloride field testing and laboratory analytical results for excavation bottom samples. Table 2 summarizes the chloride field testing and laboratory analytical results for the excavated stockpiles and imported top soil. Laboratory analytical reports for all sampling results are included in Attachment C.

Based on the criteria established by the OCD (*Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993*), and a score of zero, the NMOCD recommended remediation action levels (RRALs) for chlorides are 1,000 mg/kg (protective of groundwater), as approved by OCD and BLM in the CAP.

A total area of approximately 32,000 ft² was excavated at the site. The boundary of excavation at the site was determined by field screening of chloride content and the distinct outline of stressed vegetation. Excavation proceeded to a maximum depth of 8 feet, except in an area south of DP-7 and west of DP-6 where field screening of chlorides with laboratory analysis confirmation resulted in a concentration less than the established RRAL of less than 1,000 mg/kg at 4-ft depth. An area northwest of DP-9 that exhibited stressed vegetation was also excavated to a depth of 2 feet where impact tested negligible.

During the excavation activities the soil lithology was observed to consist primarily of a loamy fine sand in the upper zones, however silt and clay content increased with depth to approximately 8-10 feet below ground surface (ft bgs) where a more indurated caliche layer was present. Below 8-10 ft bgs chloride content rapidly decreased due to the lower permeability of the silt, clay and caliche zones.

Approximately 1,000 yd³ (980 tons) of excavated soils were transported to the Lea Land LLC landfill (permit #NM-1-35). The completed form C-138 and non-hazardous waste manifests are included in Attachment D. Excavated soils below 1,000 mg/kg were returned to the excavation.

Backfilling of the excavated areas around previously established Direct Push sample locations DP-1, DP-5, DP-6, DP-7, DP-8, and DP-9, continued up to a level of 4 ft bgs followed by placement of a 20-mil reinforced polyliner. Backfilling continued to surface with the final 1-2 ft capped with clean top soil brought in from Lea Land Landfill.

On August 2 and 3, 2016, eight (8) pounds (lb) of BLM Mix #2 and 2 lb of BLM Mix #1 grass seed was broadcast and raked over the whole area that had been excavated and backfilled. Photographic documentation of the above-described corrective action activities are included in Attachment E.

Summary and Closure request

The produced water release was remediated in accordance with the OCD and BLM approved CAP as detailed above and summarized below. An approximately 32,000 ft² area was excavated where the release occurred. Chloride impacted soil exceeding the 1,000 mg/kg RRAL was transported to the OCD-permitted Lea Land landfill. Excavated areas were backfilled with clean soil, 20-mil reinforced polyliners installed at 4 ft bgs, and then backfilled with clean soil and capped with top soil. The entire area was then seeded with a BLM-approved native seed mix to re-establish vegetation cover. Based on the results of the investigations and corrective actions taken, Energi requests closure be granted for this release (1R-3921). The final form C-141 is enclosed in Attachment A for your approval.

If you have any questions please contact me at 432-638-8740 (gil@trident-environmental.com), or Dan Bergsten at 978-531-1822, ext. 870 (dbergsten@energi.com).

Sincerely,



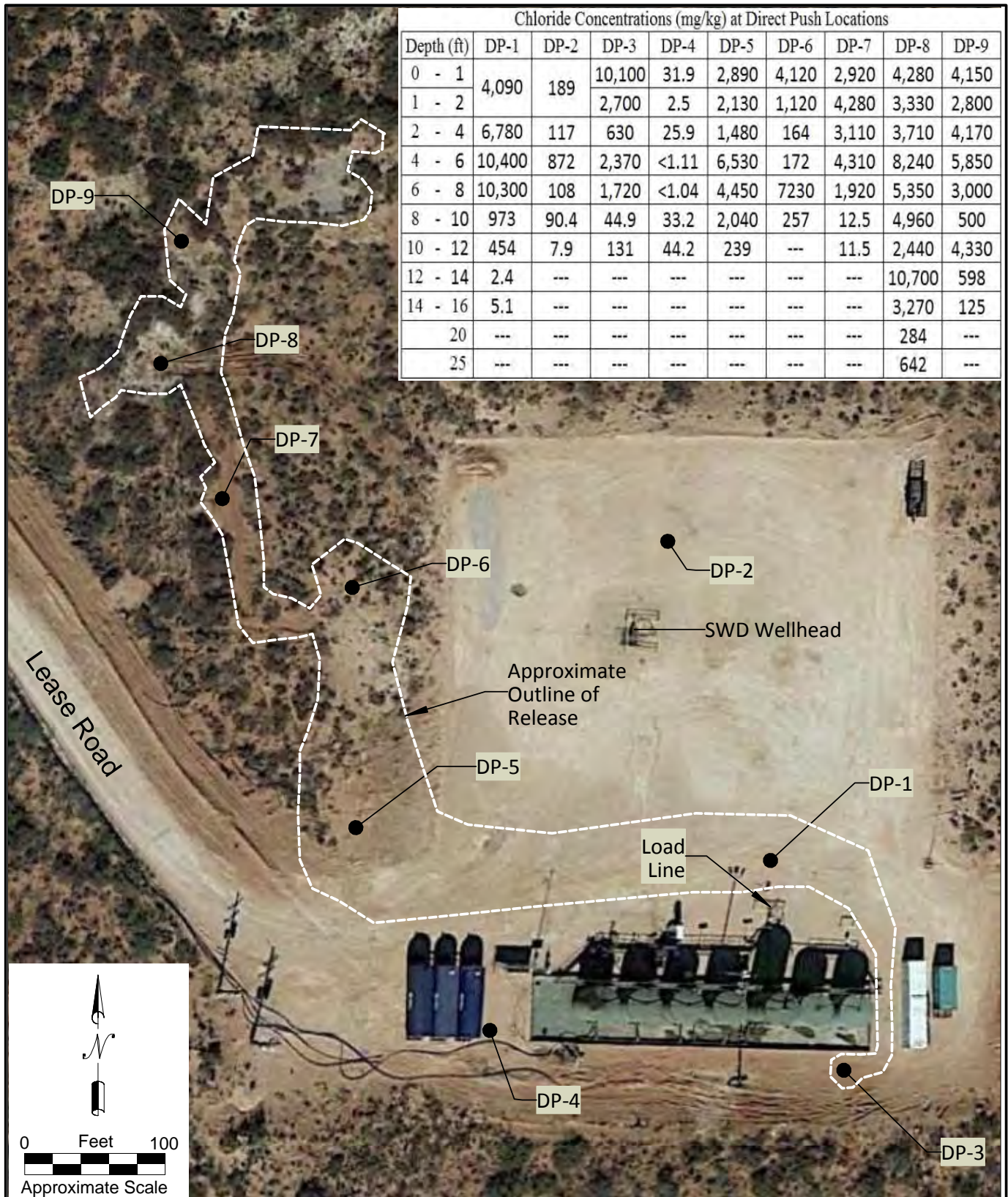
Gilbert J. Van Deventer, PG

Attachments: Figures, tables, Final C-141, laboratory reports, and other documentation

cc: Shelly Tucker (BLM-Carlsbad NM)
Dan Bergsten (Energi-Carlsbad CA)
Zane Kurtz (EOG-Midland TX)

FIGURES

- **Figure 1: Site Location Map**
- **Figure 2: Site Investigation Map**
- **Figure 3: Remediation Map**



Produced Water Release Date: 10/04/2015

Google earth Imagery Date: 11/20/2015



EOG RESOURCES, INC.
Endurance 25 Federal #2 SWD
T26S - R33E - Section 25 - Unit E
Lea County, New Mexico

FIGURE 2
Investigation Map



EOG RESOURCES, INC.
 Endurance 25 Federal #2 SWD
 T26S - R33E - Section 25 - Unit E
 Lea County, New Mexico

FIGURE 3
 Remediation Map

TABLES

- **Table 1: Chloride Concentrations at Excavation Points**
- **Table 2: Chloride Concentrations of Excavated Stockpiles and Top Soil**

Table 1
Chloride Concentrations at Excavation Points

(Sample IDs referenced to previously established Direct Push sample locations)

| Sample ID | Date | Depth (ft) | Lab Chloride (mg/kg) | Field Chloride (mg/kg) | SC (μS) |
|--------------------|----------|------------|----------------------|------------------------|---------|
| DP-1 | 06/22/16 | 4 | 2,560 | 2,430 | 2.69 |
| | | 5 | 3,260 | 2,800 | 3.20 |
| | | 6 | 3,740 | 3,100 | 3.70 |
| | | 7 | 6,700 | 5,400 | 5.73 |
| | | 8 | 5,860 | 4,900 | 5.19 |
| | | 10 | 206 | 60 | 0.16 |
| DP-3 | 06/14/16 | 4 | 2,140 | 2,730 | 3.12 |
| | | 8 | 2,590 | 2,280 | 2.58 |
| 50' S. DP-5 | 06/10/16 | 8 | 1,910 | 2,250 | 2.73 |
| DP-5 | 06/07/16 | 4 | 4,350 | 4,560 | 4.71 |
| | | 8 | 5,840 | 4,260 | 4.40 |
| 30' N. DP-5 | 06/09/16 | 4 | 3,610 | 3,600 | 3.77 |
| 80' NE DP-5 | 06/10/16 | 8 | 2,560 | 2,850 | 3.26 |
| 50' S. DP-6 | 06/09/16 | 4 | 5,200 | 5,100 | 5.49 |
| | | 8 | 1,830 | 3,390 | 3.43 |
| 25' S. DP-6 | 06/09/16 | 4 | 1,290 | 1,980 | 2.15 |
| | | 8 | 547 | 630 | 0.87 |
| 50' S. 20' W. DP-7 | 06/13/16 | 4 | 33.3 | 180 | 0.32 |
| 30' S. DP-7 | 06/07/16 | 4 | 275 | 370 | 0.52 |
| | | 8 | 754 | 920 | 1.07 |
| DP-7 | 06/13/16 | 8 | 314 | 270 | 0.99 |
| 20' N. DP-7 | 06/07/16 | 4 | 1,350 | 1,610 | 2.03 |
| | | 8 | 1,190 | 1,430 | 1.67 |
| DP-8 | 06/07/16 | 4 | 747 | 1,140 | --- |
| | | 8 | 3,370 | 3,630 | --- |
| DP-9 | 06/07/16 | 4 | 1,530 | 1,760 | --- |
| | | 8 | 1,250 | 1,780 | --- |

Laboratory analysis performed by Permian Basin Environmental Lab (Midland TX) using Standard Method 4500Cl-B. Laboratory reports included in Attachment C.

Field chlorides measured using titration as described in Attachment B.

Specific Conductivity (SC) readings obtained using Hanna Model 98130 meter.

Table 2
Chloride Concentrations of Excavated Stockpiles and Top Soil

| Sample ID | Date | Lab Chloride (mg/kg) | Field Chloride (mg/kg) | SC (μ S) |
|-------------|----------|-------------------------|------------------------------|------------------|
| Stockpile A | 06/07/16 | 527 | 650 | 0.80 |
| Stockpile B | 06/07/16 | 540 | 790 | 0.99 |
| Stockpile C | 06/07/16 | 638 | 900 | 1.17 |
| Stockpile D | 06/07/16 | 509 | 730 | 0.91 |
| Stockpile E | 06/07/16 | 2,090 | 2,090 | 2.32 |
| Stockpile F | 06/07/16 | 1,900 | 1,870 | 2.18 |
| Stockpile G | 06/08/16 | 1,500 | 1,650 | 2.04 |
| Stockpile H | 06/08/16 | 2,360 | 2,849 | 2.98 |
| Stockpile I | 06/09/16 | 901 | 1,150 | 1.62 |
| Stockpile J | 06/09/16 | 1,590 | 1,720 | 1.85 |
| Stockpile K | 06/09/16 | 490 | 1,280 | 1.53 |
| Stockpile L | 06/09/16 | 1,080 | 1,080 | 1.77 |
| Stockpile M | 06/09/16 | 1,000 | 1,000 | 1.38 |
| Stockpile N | 06/09/16 | 1,220 | 1,580 | 1.77 |
| Stockpile O | 06/10/16 | 1,550 | 1,800 | --- |
| Stockpile P | 06/10/16 | 2,690 | 3,000 | --- |
| Stockpile Q | 06/10/16 | 2,670 | 2,850 | --- |
| SP-3 | 06/14/16 | 2,840 | 2,580 | 2.92 |
| SP-6 | 06/10/16 | 2,320 | 2,500 | 2.70 |
| SP-7 | 06/10/16 | 545 | 790 | 0.93 |
| Topsoil | 06/14/16 | 209 | 300 | 0.40 |

Laboratory analysis performed by Permian Basin Environmental Lab (Midland TX) using Standard Method 4500Cl-B. Laboratory reports included in Attachment C.

Field chlorides measured using titration as described in Attachment B.

Specific Conductivity (SC) readings obtained using Hanna Model 98130 meter.

ATTACHMENT A

- **Final Form C-141**
- **OCD/BLM Approval Correspondence**
- **Corrective Action Plan**
- **Approved Form C-141 with Investigation Report (text only)**
- **and DP-8 Vertical Delineation Lab Report**

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

DRAFT

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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.

IRP-3921

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|-------------------------------------------------|------------------------------------|
| Name of Company: EOG Resources, Inc. | Contact: Zane Kurtz |
| Address: 5509 Champions Drive, Midland TX 79705 | Telephone No.: 432-425-2023 |
| Facility Name: Endurance 25 Fed #2 SWD | Facility Type: Salt Water Disposal |
| Surface Owner: U.S. (BLM) | Mineral Owner: U.S. (BLM) |
| API No.: 30-025-41067 | |

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|---------------|
| Unit Letter D | Section 25 | Township 26S | Range 33E | Feet from the 2310 | North/South Line North | Feet from the 990 | East/West Line West | County Lea |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|---------------|

Latitude 32.0153° Longitude -103.5315°

NATURE OF RELEASE

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| Type of Release: Produced Water | Volume of Release: 100 bbl PW | Volume Recovered: 40 bbl PW |
| Source of Release: Load Line Valve | Date and Hour of Occurrence: 10-04-2015/12:00 hrs | Date and Hour of Discovery: 10-05-2015/02:00 hrs |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | |
| 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.*

Load line valve did not remain closed after driver for Steve Kent Trucking pulled truck away causing produced water to spill on pad and migrate west off the pad into pasture land about 350 ft. Valve was closed and liquid picked up with vacuum truck. A soil sampling investigation was conducted on 10/16/15, 10/19/15, 11/02/15 and 11/21/15 to delineate impact. *Investigation Summary* and *Remediation Plan* submitted to NMOCD on 11/21/15. Subsequent *Corrective Action Plan* submitted to NMOCD and BLM on 05/13/16 and approved.

Describe Area Affected and Cleanup Action Taken.*

Remediation activities were performed in accordance to NMOCD guidelines and NMOCD/BLM approved Corrective Action Plan. An approximate 32,000 ft² area was excavated where the release occurred. 980 tons of chloride impacted soil exceeding the 1,000 mg/kg RRAL were transported to the NMOCD-permitted Lea Land LLC landfill. Excavated areas were backfilled with clean soil, 20-mil reinforced poly liners installed at 4 ft bgs, and then backfilled with clean soil and capped with top soil. The entire area was then seeded with a BLM-approved native seed mix to re-establish vegetation cover.

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

OIL CONSERVATION DIVISION

Signature:

Zane Kurtz
8-18-16

Printed Name: Zane Kurtz

Approved by Environmental Specialist:

Jane K. Lopez

Title: Environmental Representative

Approval Date: 08/23/2016

Expiration Date:

E-mail Address: zane.kurtz@eogresources.com

Conditions of Approval:

Attached ☐

Date:

Phone: 432-425-2023

IRP-3921

* Remediation Report attached

Subject: Re: 1R-3921 - Corrective Action Plan for the EOG Endurance FED 25 #2 Produced Water Release
From: "Tucker, Shelly" <stucker@blm.gov>
Date: 5/20/2016 11:33 AM
To: Gil Van Deventer <gil@trident-environmental.com>
CC: "Keyes, Jamie, EMNRD" <Jamie.Keyes@state.nm.us>, Daniel Bergsten <dbergsten@energi.com>, David Williams <dwilliams@energi.com>, James Lombard <jlombard@energi.com>

BLM concurs with NMOCD approval.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular

stucker@blm.gov



The BLM acceptance/approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

Confidentiality Warning: This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Tue, May 17, 2016 at 6:44 AM, Gil Van Deventer <gil@trident-environmental.com> wrote:

Good morning Shelley,

Does BLM concur with NMOCD's approval of the CAP?

Thanks,
Gil

Gilbert J. Van Deventer, REM, PG
Partner - Project Manager - Sr. Hydrogeologist

Environmental Consultants
Groundwater Resource Investigations



Trident Environmental
P. O. Box 12177
Odessa, Texas 79768-2177
Office/Mobile: 432.638.8740
gil@trident-environmental.com
www.trident-environmental.com

On 5/16/2016 9:37 AM, Keyes, Jamie, EMNRD wrote:

Good morning,

The work plan has been approved. Ensure BLM concurrence/approval.

Thank you,

Jamie

From: Gil Van Deventer [<mailto:gil@trident-environmental.com>]

Sent: Friday, May 13, 2016 10:21 AM

To: Keyes, Jamie, EMNRD

Cc: Shelley Tucker; Daniel Bergsten; David Williams; James Lombard

Subject: 1R-3921 - Corrective Action Plan for the EOG Endurance FED 25 #2 Produced Water Release

Jaime

Attached please find the *Corrective Action Plan* for the *EOG Endurance FED 25 #2 Produced Water Release* (NMOCD Case No. 1R-3921). The proposed corrective actions are in accordance with previous OCD/BLM approvals and my recent conversations with you and Shelly.

We look forward to your review and approval of this plan so we can move forward with remediation.

Thank you,
Gil

--

Gilbert J. Van Deventer, REM, PG

Partner - Project Manager - Sr. Hydrogeologist

Environmental Consultants
Groundwater Resource Investigations



Trident Environmental
P. O. Box 12177
Odessa, Texas 79768-2177

Office/Mobile 432.638.8740
gil@trident-environmental.com
www.trident-environmental.com



P. O. Box 12177 • Odessa TX 79768

May 13, 2016

Submitted electronically via email

Mr. Jamie Keyes
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, Mexico 88240

RE: Corrective Action Plan
NMOCD Case No. 1R-3921
EOG Endurance FED 25 #2 Produced Water Release
T26S R33E Section 25 Unit Letter E
Lea County, New Mexico

Dear Ms. Jones:

Trident Environmental was retained by Energi Insurance Inc.(Energi), insurance agent for Steve Kent Trucking NM LLC (SKT), to prepare and submit this *Corrective Action Plan* (CAP) to the New Mexico Oil Conservation Division (OCD) and U.S. Bureau of Land Management (BLM) for the site referenced above.

Background

An accidental produced water release occurred at the Endurance FED 25 #2 salt water disposal (SWD) facility (API No. 30-025-41067) on a lease operated by EOG Resources Inc (EOG). The site is located approximately 21 miles southwest of Jal, New Mexico as depicted in Figure 1 (Site Location Map). The initial form C-141 (Appendix A) submitted to the OCD on October 15, 2015 by EOG incorrectly reported that the release occurred on October 4, 2015, when it actually occurred between the evening hours on October 11, 2015 and early morning hours of October 12, 2015. The release occurred sometime after a driver for Steve Kent Trucking Inc. unloaded his tank truck into the produced water load line at the facility. The cause of the release is not exactly known but is suspected to be the failure of the driver to close the load valve prior to leaving the location, however it was also due to the failure of the backflow prevention check valve between the load valve and produced water tank. According to the initial form C-141, the estimated volume of the spill was 100 barrels (bbl) with about 40 bbl recovered (60 bbl lost) by a vacuum truck during the early morning hours on October 12, 2015. The release originated from the load line and flowed approximately 150 ft west across the well pad and then north-northwesterly approximately 300 ft into undeveloped pasture land, as depicted in Figure 2.

Site Setting

- The topography is slightly undulating and regionally slopes to the southwest at about 50 ft/mile and locally slopes gently to the north-northwest;
- The surface soils consist of fine loamy sand belonging to the Pyote and Maljamar soil map unit.
- Groundwater in the area occurs within the Ogallala Aquifer under unconfined conditions.
- No fresh water wells are located within 1-mile of the Site according New Mexico Office of the State Engineer (OSE) database records;
- The nearest water well (C-2270/3577) is located approximately 1.7 miles west of the site (Section 22) with a surface elevation of 3252 ft AMSL according to USGS topography. OSE records report that depth to water at this well is 125 ft below ground surface (bgs) which correlates to a groundwater elevation of 3127 ft AMSL.
- With a surface elevation of 3340 ft at the release site and groundwater elevation of 3127 ft, depth to groundwater is greater than 200 feet bgs.
- Based on the criteria established by the OCD (*Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993*), and a score of zero, the NMOCD recommended remediation action levels (RRALs) for chlorides are 1,000 mg/kg (protective of groundwater).

A Point of Diversion summary of active and inactive water wells in Township 26S, Ranges 33E and 34E, with reported depths to groundwater listed is provided in Appendix A.

Investigation Summary

Soon after the release, Larson & Associates Inc. (LAI) was retained by EOG to conduct an initial investigation to delineate the soil impact at the site. On October 16, October 19, November 2, and November 21, 2015, LAI used a direct push rig to collect soil samples at depth for vertical delineation of nine sample points located in pooled areas along the axis of the release path between the load line (DP-1) and its final resting point (DP-9) as depicted in Figure 2.

Total petroleum hydrocarbons (TPH) were well below the RRAL in all samples. Chloride was delineated vertically to 250 milligrams per kilogram (mg/kg) at all soil locations with the exception of samples DP-6 at 12 feet (451 mg/kg) and DP-8 at 16 feet (3,270 mg/kg).

On behalf of EOG, LAI submitted an *Investigation Report* to the OCD on November 21, 2015. The investigation report detailed the results summarized above and included a remediation plan that was conditionally-approved by OCD on November 23, 2015 (Appendix B).

On November 21, 2015, LAI performed additional investigation by retaining Scarborough Drilling, Inc. to use an air rotary rig and jam tube sampler to complete vertical delineation at DP-8. Soil samples were collected at 20 and 25 feet bgs, and submitted to Permian Basin Analytical Laboratory (Midland TX) for chloride analysis with results of 284 mg/kg and 642 mg/kg, respectively. Lab reports are included in Appendix B.

Corrective Action Plan

The CAP herein has been developed to address only the reported release (1R-3921), while it is not technically feasible to separately delineate the impacts from any potential releases which may have occurred before or after the reported October 12, 2015 release. The following corrective actions are described below:

1. The spill area below sample points DP-2 and DP-4 will not require excavation because delineation shows these areas to be well below the 1,000 mg/kg RRAL.
2. The spill area below sampling points DP-1, DP-3, DP-6, and DP-7 will be excavated to 8 ft, where they meet the 1,000 mg/kg RRAL criteria based on the LAI investigation, and then backfilled with soil less than 1,000 mg/kg.
3. The spill area below sampling points DP-5, DP-8, and DP-9 will be excavated to 8 ft, backfilled with soil less than the 1,000 mg/kg RRAL to 4 ft, lined with 20-mil plastic at 4 ft, and then backfilled with soil less than 1,000 mg/kg.
4. The final 1 ft of backfill will consist of top soil as the final surface layer, except for the drilling pad area which will be backfilled with caliche as it is an active SWD facility (interim layer prior to final site reclamation).
5. During excavation activities, delineation soil samples will be field tested for chloride (Appendix C) in a manner consistent with the standard titration method (SM 4500Cl-B) performed at accredited laboratories. When maximum depth has been reached bottom grab samples will be collected for chloride analysis by an accredited laboratory (Cardinal Lab in Hobbs NM and/or Permian Basin Environmental Lab in Midland TX) to confirm when RRAL criteria have been met.
6. A six-point composite sample will be collected from each individual soil stockpile and submitted for chloride analysis by the accredited laboratory to determine disposition (backfill or disposal) of the stockpiles.
7. Excavated soil stockpiles above the 1,000 mg/kg RRAL will be transported to a NMOCD-permitted landfarm or landfill facility for disposal.
8. The backfilled excavation will be reseeded with BLM #2 mix (Sand dropseed, Little Bluestem, Coreopsis, Plains Bristlegrass, and Sideoats grama) at the recommended application rate, to restore the native vegetation to pre-existing conditions.

The diagram below illustrates the above-described excavation, backfill, liner, and top soil depths.

| Depth (ft) | DP-1 | DP-3 | DP-5 | DP-6 | DP-7 | DP-8 | DP-9 |
|------------|-----------------------------------------|-------------------|-----------------------------------|-------------------|-------------------|-----------------------------------|-----------------------------------|
| 0 - 1 | TOPSOIL (Chloride <250 mg/kg) | | | | | | |
| 1 - 4 | Backfill <1000 | Backfill <1000 | Backfill <1000 <i>LINER</i> | Backfill <1000 | Backfill <1000 | Backfill <1000 <i>LINER</i> | Backfill <1000 <i>LINER</i> |
| 4 - 8 | | | Backfill <1000 | | | Backfill <1000 | Backfill <1000 |
| 8 - 10 | 973 | 44.9 | 2,040 | 257 | 12.5 | 4,960 | 500 |
| 10 - 12 | 454 | 131 | 239 | | 11.5 | 2,440 | 4,330 |
| 12 - 14 | 2.4 | | | | | 10,700 | 598 |
| 14 - 16 | 5.1 | | | | | 3,270 | 125 |
| 20 | | | | | | 284 | |
| 25 | | | | | | 642 | |

Following the completion of the actions described above, Trident Environmental will submit a closure report and final C-141 to the OCD and BLM.

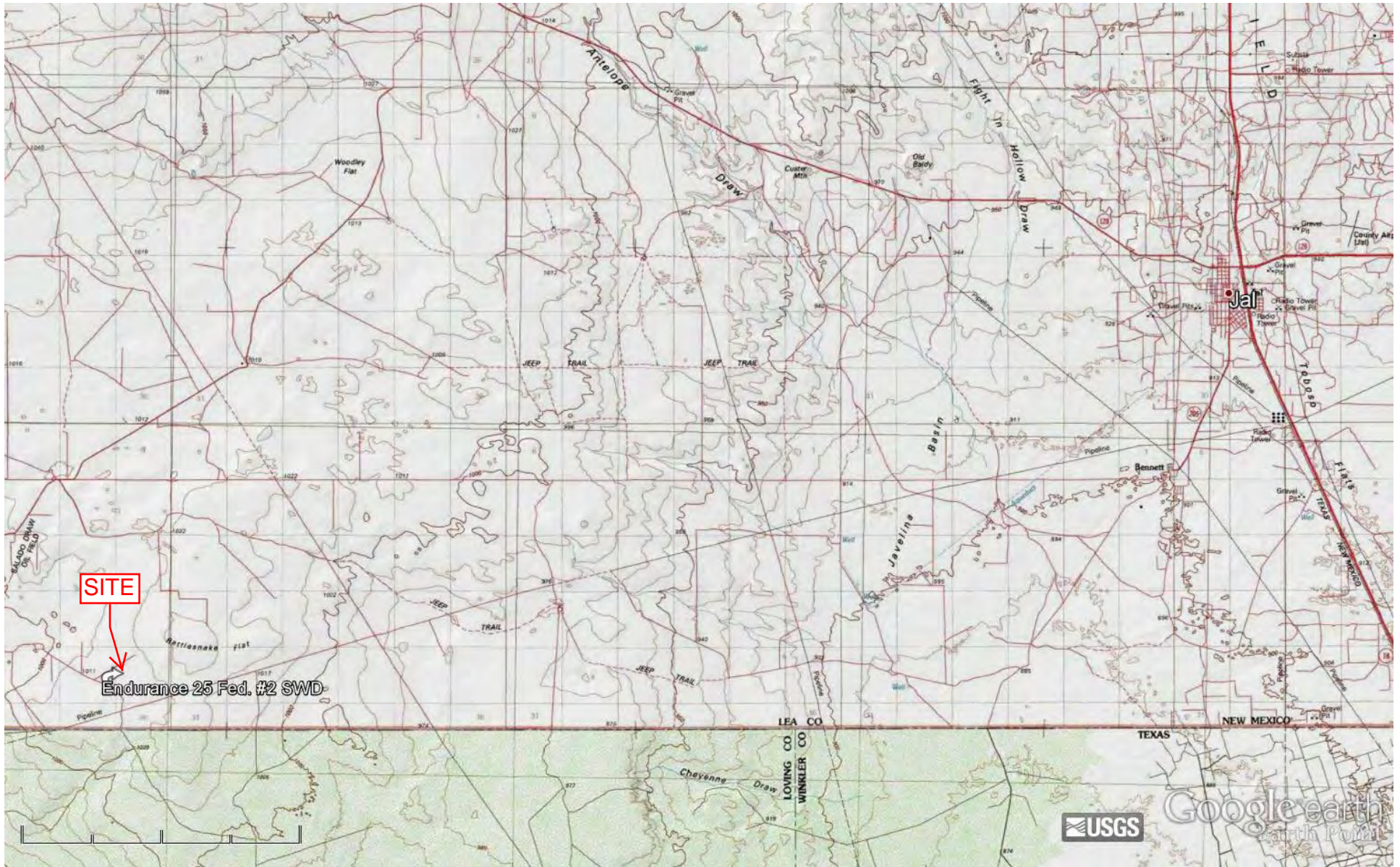
We look forward to your approval to move forward with this proposed *Corrective Action Plan*. We can be contacted at 432-638-8740 (gil@trident-environmental.com), or Dan Bergsten at 978-531-1822, ext. 870 (dbergsten@energi.com).

Sincerely,

Gilbert J. Van Deventer, PG, REM

cc: Shelly Tucker (BLM-Carlsbad NM)
Dan Bergsten (Energi - Carlsbad CA)
Zane Kurtz (EOG - Midland TX)

FIGURES



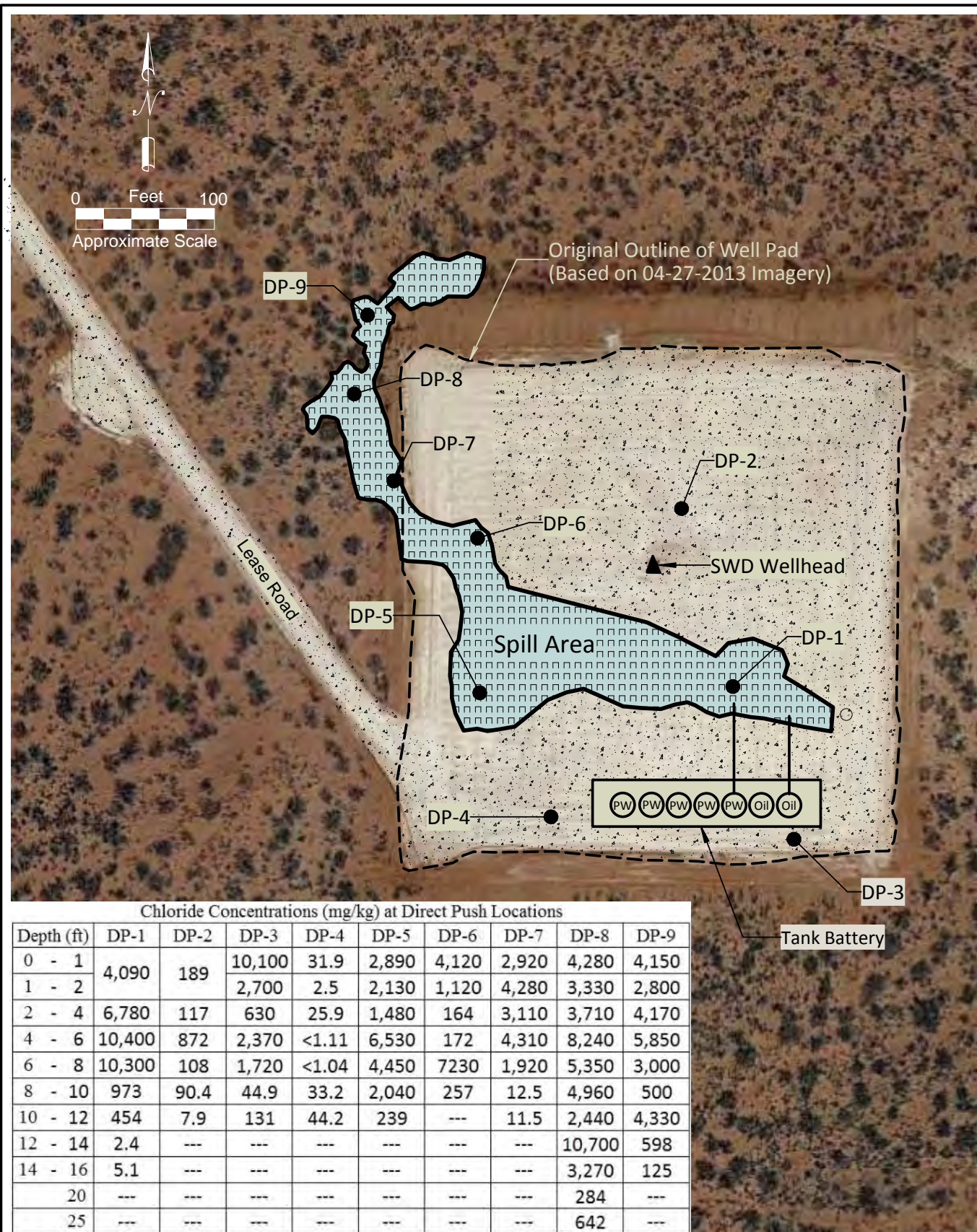
Google earth

miles 10
km 20



EOG RESOURCES, INC.
Endurance 25 Federal #2 SWD
T26S - R33E - Section 25 - Unit E
Lea County, New Mexico

FIGURE 1
Location Map



EOG RESOURCES, INC.
Endurance 25 Federal #2 SWD
T26S - R33E - Section 25 - Unit E
Lea County, New Mexico

FIGURE 2
Site Map

APPENDIX A



















Point of Diversion Summaries for Township 26S, Ranges 33E and 34E



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Well Drill Dates & Depths)
















| (R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters) (in feet) | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|-----------|--------|------------|------------------------------|-------|---------|---|---|---|--------|-----|-----|-----|--------|----------|---------------------------------------------------------------------------------------|-------------|------------|-------------|-----|
| (acre ft per annum) | | | | | | | | | | | | | | | | | | | | | | |
| WR File Nbr | Sub basin | Use | Diversion | County | POD Number | Code | Grant | Source | q | q | q | 6416 4 | Sec | Tws | Rng | X | Y | Start Date | Finish Date | Depth Well | Depth Water | |
| C 02270 | CUB | PLS | | 3 | LE | C 02270 | | Shallow | 1 | 1 | 2 | 27 | 26S | 33E | | 636063 | 3543722 |  | 08/28/1992 | 12/31/1910 | 150 | 125 |
| C 02273 | CUB | PDL | | 3 | LE | C 02273 | | | | 1 | 2 | 21 | 26S | 33E | | 634549 | 3545134* |  | | 12/31/1930 | 160 | 120 |
| C 02285 | CUB | PLS | | 3 | LE | C 02285 POD1 | | Shallow | 1 | 4 | 4 | 03 | 26S | 33E | | 636613 | 3548855 |  | | 12/31/1982 | 220 | 220 |
| C 02286 | CUB | PLS | | 3 | LE | C 02286 | | | 3 | 4 | 4 | 03 | 26S | 33E | | 636470 | 3548714 |  | | 12/31/1974 | 220 | 175 |
| C 02287 | CUB | STK | | 3 | LE | C 02287 | | | 3 | 4 | 4 | 03 | 26S | 33E | | 636427 | 3548708 |  | | | 220 | |
| | | | | | LE | C 02287 POD2 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636612 | 3548675* |  | | | | |
| C 02288 | CUB | PLS | | 3 | LE | C 02288 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636646 | 3548758 |  | | 12/31/1982 | 220 | 180 |
| C 02289 | CUB | PLS | | 3 | LE | C 02289 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636612 | 3548675* |  | | 12/31/1949 | 200 | 160 |
| C 02290 | CUB | PLS | | 3 | LE | C 02290 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636538 | 3548770 |  | | 12/31/1949 | 200 | 160 |
| C 02293 | CUB | PLS | | 3 | LE | C 02293 | | | 2 | 2 | 1 | 14 | 26S | 33E | | 637501 | 3546975 |  | | 12/31/1949 | 200 | 135 |
| C 02294 | CUB | PLS | | 3 | LE | C 02294 | | | 4 | 4 | 3 | 11 | 26S | 33E | | 637465 | 3547003 |  | | 12/31/1949 | 200 | 145 |
| C 02295 | CUB | PLS | | 3 | LE | C 02295 | | | 2 | 2 | 4 | 12 | 26S | 33E | | 639850 | 3547710* |  | | 12/31/1949 | 250 | 200 |
| C 03494 | C | PRO | | 0 | LE | C 02285 POD1 | | Shallow | 1 | 4 | 4 | 03 | 26S | 33E | | 636613 | 3548855 |  | | 12/31/1982 | 220 | 220 |
| C 03495 | C | PRO | | 0 | LE | C 02286 | | | 3 | 4 | 4 | 03 | 26S | 33E | | 636470 | 3548714 |  | | 12/31/1974 | 220 | 175 |
| C 03496 | C | PRO | | 0 | LE | C 02287 | | | 3 | 4 | 4 | 03 | 26S | 33E | | 636427 | 3548708 |  | | | 220 | |
| C 03497 | C | PRO | | 0 | LE | C 02288 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636646 | 3548758 |  | | 12/31/1982 | 220 | 180 |
| C 03498 | C | PRO | | 0 | LE | C 02290 | | | 4 | 4 | 4 | 03 | 26S | 33E | | 636538 | 3548770 |  | | 12/31/1949 | 200 | 160 |
| C 03499 | C | PRO | | 0 | LE | C 02293 | | | 2 | 2 | 1 | 14 | 26S | 33E | | 637501 | 3546975 |  | | 12/31/1949 | 200 | 135 |

*UTM location was derived from PLSS - see Help

(R=POD has been replaced
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

(in feet)

| WR File Nbr | Sub | | | | | Code Grant | Source | q q q | | | | | X | Y | Start Date | Finish Date | Depth Well | Depth Water | | |
|-------------------------|-------|-----|-----------|--------|------------------------------|------------|---------|-------|---|-----|-----|-----|-----|--------|------------|-------------------------------------------------------------------------------------|------------|-------------|-----|-----|
| | basin | Use | Diversion | County | POD Number | | | 6416 | 4 | Sec | Tws | Rng | | | | | | | | |
| C 03500 | C | PRO | 0 | LE | C 02294 | | | 4 | 4 | 3 | 11 | 26S | 33E | 637465 | 3547003 |  | 12/31/1949 | 200 | 145 | |
| C 03539 | C | PRO | 0 | LE | C 02270 | | Shallow | 1 | 1 | 2 | 27 | 26S | 33E | 636063 | 3543722 |  | 08/28/1992 | 12/31/1910 | 150 | 125 |
| C 03540 | C | PRO | 0 | LE | C 02270 | | Shallow | 1 | 1 | 2 | 27 | 26S | 33E | 636063 | 3543722 |  | 08/28/1992 | 12/31/1910 | 150 | 125 |
| C 03541 | C | PRO | 0 | LE | C 02270 | | Shallow | 1 | 1 | 2 | 27 | 26S | 33E | 636063 | 3543722 |  | 08/28/1992 | 12/31/1910 | 150 | 125 |
| C 03577 | CUB | EXP | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03592 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03593 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03594 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03596 | C | STK | 3 | LE | C 03596 POD1 | | Shallow | 3 | 3 | 4 | 22 | 26S | 33E | 636017 | 3543756 |  | 07/21/2010 | 07/21/2010 | 225 | |
| C 03597 | C | PRO | 0 | LE | C 03596 POD1 | | Shallow | 3 | 3 | 4 | 22 | 26S | 33E | 636017 | 3543756 |  | 07/21/2010 | 07/21/2010 | 225 | |
| C 03598 | C | PRO | 0 | LE | C 03596 POD1 | | Shallow | 3 | 3 | 4 | 22 | 26S | 33E | 636017 | 3543756 |  | 07/21/2010 | 07/21/2010 | 225 | |
| C 03599 | C | PRO | 0 | LE | C 03596 POD1 | | Shallow | 3 | 3 | 4 | 22 | 26S | 33E | 636017 | 3543756 |  | 07/21/2010 | 07/21/2010 | 225 | |
| C 03676 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03677 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |
| C 03678 | C | PRO | 0 | LE | C 03577 POD1 | | Shallow | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 |  | 11/19/2012 | 11/20/2012 | 750 | 110 |

Record Count: 33

PLSS Search:

Township: 26S Range: 33E

Sorted by: File Number









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.



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Well Drill Dates & Depths)

| (acre ft per annum) | | | | | | | | | | (R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) | | | | | | | | | | (quarters are smallest to largest) | | | | | | | | | | (NAD83 UTM in meters) | | | | | | | | | | (in feet) | |
|-------------------------|-----------|-----|-----------|--------|------------|------------------------------|-------|---------|---|----------------------------------------------------------------------------------------------------------------------|---|------|---|-----|-----|-----|--------|----------|-------------------------------------------------------------------------------------|------------------------------------|------------|-------------|-----|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|-----------|--|
| WR File Nbr | Sub basin | Use | Diversion | County | POD Number | Code | Grant | Source | q | q | q | 6416 | 4 | Sec | Tws | Rng | X | Y | Start Date | Finish Date | Depth Well | Depth Water | | | | | | | | | | | | | | | | | | | |
| C 02291 | CUB | PLS | | 3 | LE | C 02291 | | | 1 | 1 | 2 | 06 | | 26S | 34E | | 640825 | 3550140* |  | | 12/31/1949 | 220 | 160 | | | | | | | | | | | | | | | | | | |
| C 02292 | CUB | PLS | | 3 | LE | C 02292 POD1 | | | 4 | 1 | 2 | 06 | | 26S | 34E | | 640992 | 3549987 |  | | 12/31/1949 | 200 | 140 | | | | | | | | | | | | | | | | | | |
| C 03441 | C | STK | | 3 | LE | C 03441 POD1 | | Shallow | 4 | 1 | 2 | 06 | | 26S | 34E | | 640971 | 3550039 |  | 05/03/2010 | 05/03/2010 | 250 | | | | | | | | | | | | | | | | | | | |
| C 03442 | C | STK | | 3 | LE | C 03442 POD1 | | Shallow | 4 | 1 | 2 | 06 | | 26S | 34E | | 641056 | 3550028 |  | 05/03/2010 | 05/03/2010 | 251 | | | | | | | | | | | | | | | | | | | |
| C 03477 | C | PRO | | 0 | LE | C 03442 POD1 | | Shallow | 4 | 1 | 2 | 06 | | 26S | 34E | | 641056 | 3550028 |  | 05/03/2010 | 05/03/2010 | 251 | | | | | | | | | | | | | | | | | | | |
| C 03491 | C | PRO | | 0 | LE | C 03441 POD1 | | Shallow | 4 | 1 | 2 | 06 | | 26S | 34E | | 640971 | 3550039 |  | 05/03/2010 | 05/03/2010 | 250 | | | | | | | | | | | | | | | | | | | |
| C 03492 | C | PRO | | 0 | LE | C 03442 POD1 | | Shallow | 4 | 1 | 2 | 06 | | 26S | 34E | | 641056 | 3550028 |  | 05/03/2010 | 05/03/2010 | 251 | | | | | | | | | | | | | | | | | | | |
| C 03493 | C | PRO | | 0 | LE | C 02292 POD1 | | | 4 | 1 | 2 | 06 | | 26S | 34E | | 640992 | 3549987 |  | | 12/31/1949 | 200 | 140 | | | | | | | | | | | | | | | | | | |

Record Count: 8

PLSS Search:

Township: 26S Range: 34E

Sorted by: File Number

*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 B

**Approved Form C-141 with Investigation Report (text only)
and DP-8 Vertical Delineation Lab Report**

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | |
|------------------------------------------------|------------------------------------|
| Name of Company: EOG Resources, Inc. | Contact: Zane Kurtz |
| Address: 5509 Champions Dr., Midland, TX 79705 | Telephone No.: 432-425-2023 |
| Facility Name: Endurance 25 Fed #2 SWD | Facility Type: Salt Water Disposal |

| | | |
|---------------------------|--------------------------|----------------------|
| Surface Owner: U.S. (BLM) | Mineral Owner: U.S (BLM) | API No. 30-025-41067 |
|---------------------------|--------------------------|----------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|---------------|
| Unit Letter D | Section 25 | Township 26S | Range 33E | Feet from the 2310 | North/South Line North | Feet from the 990 | East/West Line West | County Lea |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|---------------|

Latitude 32.0153° Longitude -103.5315°

NATURE OF RELEASE

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|
| Type of Release: Produced Water | Volume of Release: 100 bbl | Volume Recovered: 40 bbl |
| Source of Release: Load Line Valve | Date and Hour of Occurrence: 10-04-2015/12:00 hrs | Date and Hour of Discovery: 10-05-2015/02:00hrs |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | |
| 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.* | | |

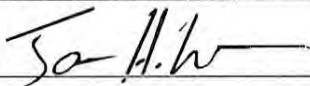
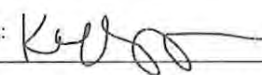
RECEIVED

By Kellie Jones at 9:58 am, Oct 16, 2015

Describe Cause of Problem and Remedial Action Taken. *Driver for Kent Trucking forgot to close valve at load line prior to pulling truck away causing produced water to spill on ground and migrate off location into pasture. Valve was closed and liquid picked up with vacuum truck.

Describe Area Affected and Cleanup Action Taken. *Spill occurred at load line and flowed south off location into pasture about 350 feet. Spill width is about 50 feet. Samples will be collected to delineate TPH and chloride in soil for remediation plan.

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:  | OIL CONSERVATION DIVISION | |
| Printed Name: Jamon Hohensee, EOG Resources, Inc. | Approved by Environmental Specialist:  | |
| Title: Environmental Rep. | Approval Date: 10/16/2015 | Expiration Date: 12/16/2015 |
| E-mail Address: jamon.hohensee@eogresources.com | Conditions of Approval: Site samples required. Delineate and remediate as per MNOCD guides. Geotag photographs of remediation required. | |
| Date: 10-16-2015 Phone: 432-556-8074 | Attached <input type="checkbox"/> 1RP-3921 | |

* Attach Additional Sheets If Necessary

nKJ1528936186
pKJ1528936421



1. Ensure DP-8 is vertically delineated.
2. Provide documentation in regards to the depth to groundwater.
3. For samples DP1, DP5, DP7, DP8, and DP9, we believe going down to 8 feet in these areas will get the majority of the release.
4. Ensure BLM approval/concurrence.

Investigation Summary
Endurance 25 Fed. #2 SWD Produced Water Spill
November 12, 2015

Page 1 of 2

Introduction

This investigation summary is prepared on behalf of EOG Resources, Inc. (EOG) for submittal to the New Mexico oil Conservation Division (OCD) and U.S. Bureau of Land Management (BLM) for a produced water spill at the EOG Endurance 25 Fed #2 SWD tank battery (Site). The Site is located in Unit E (NW/4, SE/4), Section 25, Township 26 South, Range 33 East, in Lea County, New Mexico. The approximate geodetic position is north 32° 00' 53.75" and west 103° 31' 53.07". The spill occurred on October 4, 2015, due a valve being left open at the load line prior to pulling the transport truck away. The estimated volume of the spill was 100 barrels (bbl) with about 40 bbl recovered. The spill flowed north into a pasture and covered an area measuring about 54,450 square feet or 1.2 acres. The initial C-141 was submitted to OCD District 1 on October 15, 2015. The OCD assigned the spill remediation project number 1RP-3921. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

Setting

The setting is as follows:

- The surface elevation is about 3,340 feet above mean sea level (MSL);
- The topography is slightly undulating and slopes to the southeast;
- Surface water run-off is the northwest in the general direction of the spill;
- The nearest surface water feature is an intermittent drainage located about 1,050 feet southwest of the Site;
- The soils are designated as "Berino-Cacique loamy fine sands association", consisting of loamy fine sand to about 05 feet bgs and sandy clay loam to about 5 feet bgs, derived from reworking the Blackwater Draw (Pleistocene) and Ogallala (Pliocene) formations, in descending order;
- Groundwater is greater than 200 feet bgs according to records from the New Mexico Office of the State Engineer (OSE);
- The nearest fresh water well is located about 1.7 miles west of the Site, in Unit C (SE/4, SW/4), Section 22, Township 26 south, Range 33 East, with depth to water reported at approximately 125 feet below ground surface (bgs);

Remediation Action Levels

Remediation action levels (RRAL) were calculated for benzene, BTEX and TPH based on the following criteria established by the OCD (*Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993*):

| Criteria | Result | Score |
|--------------------------------|------------------------|--------------|
| Depth-to-Groundwater | >100 feet | 0 |
| Wellhead Protection Area | No | 0 |
| Distance to Surface Water Body | > 1000 Horizontal Feet | 0 |

The following RRAL apply to the release for ranking score: 0

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 5,000 mg/Kg

Initial Samples and Analysis

Initial samples were collected on October 16, 2015, October 29, 2015, and November 2, 2015, to delineate the spill. LAI personnel used a direct push (Terraprobe®) rig to collect soil samples at nine (9) locations (DP-1 through DP-9) between approximately 12 and 16 feet bgs. Permian Basin Environmental Lab (PBEL) in Midland, Texas, analyzed the upper sample (0 to 1 foot) for total petroleum hydrocarbons (TPH) by SW-846 method 8015 modified. All samples were analyzed for chloride by method 300. Table 1 presents the analytical data summary. Figure 3 presents the sample locations. Attachment A presents the laboratory report.

Referring to Table 1, TPH was below the RRAL in all samples. TPH was also below the Reporting Limit (RL) in all samples except DP-1 (27.2 mg/Kg). Chloride was delineated vertically to 250 milligrams per kilogram (mg/Kg) in all borings except DP-6 and DP-8. Chloride decreased below 250 mg/Kg between about 0 feet (DP-4) and 14 feet (DP-9). Chloride was 451 mg/Kg and 3,270 mg/Kg in the deepest samples from DP-6, 10 to 12 feet and DP-8, 14 to 16 feet, respectively.

Remediation Plan:

- Excavate soil to approximately 4 feet bgs from area shown on Figure 4 and install 20 mil thickness poly liner in bottom of excavation;
- Backfill excavations with clean topsoil and seed;
- Dispose contaminated soil at OCD approved landfill; and
- Prepare final report for submission to OCD and BLM.



Kimberly Huckaba
Staff Geologist

Table 1
Investigation Soil Sample Analytical Data Summary
EOG Resources, Inc., Endurance 25 Fed #2 SWD Spill
UL D Section 25, Township 26 South, Range 33 East
Lea County, New Mexico
1RP-3921

| Sample | Depth (Feet) | Collection Date | C6 - C12 (mg/Kg) | >C12 - C28 (mg/Kg) | >C28 - C35 (mg/Kg) | TPH (mg/Kg) | Chloride (mg/Kg) |
|------------------|-----------------|--------------------|---------------------|-----------------------|-----------------------|----------------|---------------------|
| OCD RRAL: | | | | | | | |
| DP-1 | 0 - 2 | 10/16/2015 | <26.0 | 27.2 | <26.0 | 27.2 | 4,090 |
| | 2 - 4 | 10/16/2015 | -- | -- | -- | -- | 6,780 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 10,400 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 10,300 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 973 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 454 |
| | 12 - 14 | 10/29/2015 | -- | -- | -- | -- | 2.40 |
| | 14 - 16 | 10/29/2015 | -- | -- | -- | -- | 5.10 |
| DP-2 | 0 - 2 | 10/16/2015 | <26.9 | <26.9 | <26.9 | <26.9 | 189 |
| | 2 - 4 | 10/16/2015 | -- | -- | -- | -- | 117 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 872 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 108 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 90.4 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 7.9 |
| DP-3 | 0 - 1 | 10/19/2015 | <28.4 | <28.4 | <28.4 | <28.4 | 10,100 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 2,700 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 630 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 2,370 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 1,720 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 44.9 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 131 |
| DP-4 | 0 - 1 | 10/19/2015 | <27.5 | <27.5 | <27.5 | <27.5 | 31.9 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 2.5 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 25.9 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | <1.11 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | <1.04 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 33.2 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 44.2 |
| DP-5 | 0 - 1 | 10/19/2015 | <25.8 | <25.8 | <25.8 | <25.8 | 2,890 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 2,130 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 1,480 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 6,530 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 4,450 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 2,040 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 239 |

Table 1
Investigation Soil Sample Analytical Data Summary
EOG Resources, Inc., Endurance 25 Fed #2 SWD Spill
UL D Section 25, Township 26 South, Range 33 East
Lea County, New Mexico
1RP-3921

| | | | | | | | |
|-------------|---------|------------|-------|-------|-------|-------|---------------|
| DP-6 | 0 - 1 | 10/19/2015 | <26.6 | <26.6 | <26.6 | <26.6 | 4,120 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 1,120 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 164 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 172 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 7230 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 257 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 451 |
| DP-7 | 0 - 1 | 10/19/2015 | <25.5 | <25.5 | <25.5 | <25.5 | 2,920 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 4,280 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 3,110 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 4,310 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 1,920 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 12.5 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 11.5 |
| DP-8 | 0 - 1 | 10/19/2015 | <26.0 | <26.0 | <26.0 | <26.0 | 4,280 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 3,330 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 3,710 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 8,240 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 5,350 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 4,960 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 2,440 |
| | 12 - 14 | 11/2/2015 | -- | -- | -- | -- | 10,700 |
| | 14 - 16 | 11/2/2015 | -- | -- | -- | -- | 3,270 |
| DP-9 | 0 - 1 | 10/19/2015 | <25.8 | <25.8 | <25.8 | <25.8 | 4,150 |
| | 1 - 2 | 10/19/2015 | -- | -- | -- | -- | 2,800 |
| | 2 - 4 | 10/19/2015 | -- | -- | -- | -- | 4,170 |
| | 4 - 6 | 10/16/2015 | -- | -- | -- | -- | 5,850 |
| | 6 - 8 | 10/16/2015 | -- | -- | -- | -- | 3,000 |
| | 8 -10 | 10/16/2015 | -- | -- | -- | -- | 500 |
| | 10 - 12 | 10/16/2015 | -- | -- | -- | -- | 4,330 |
| | 12 - 14 | 11/2/2015 | -- | -- | -- | -- | 598 |
| | 14 - 16 | 11/2/2015 | -- | -- | -- | -- | 125 |

Notes: Laboratory analysis performed by Permian Basin Environmental Lab, Midland, Texas

TPH by EPA SW-846 method 8015 (GRO and DRO)

Chloride by method 300.0

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

RRAL: Recommended Remediation Action Level (RRAL) calculated from OCD guidance document (August 13, 1993)

--: Sample not analyzed

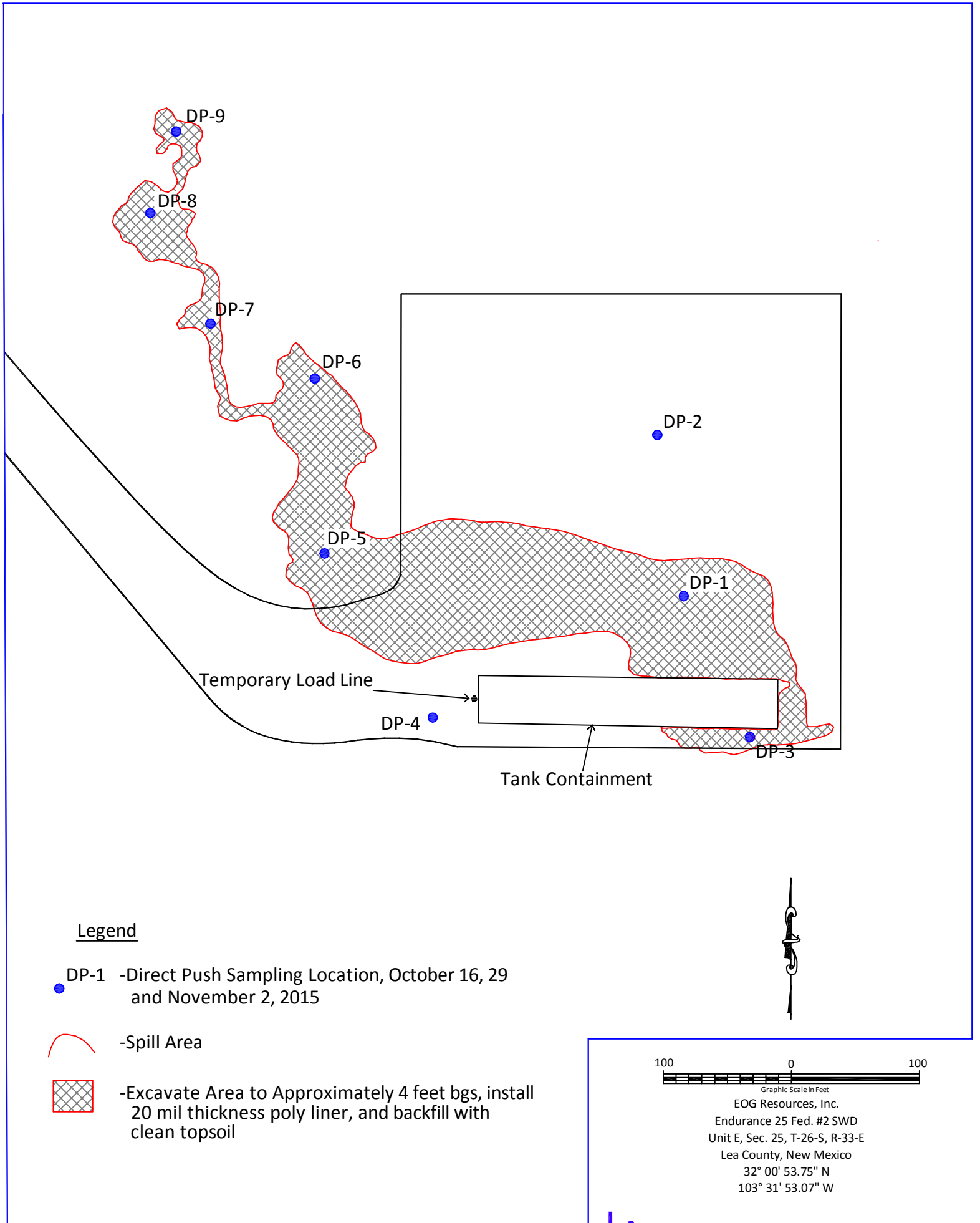


Figure 4 - Proposed Remediation Area

Mark Larson

From: Mark Larson
Sent: Friday, November 27, 2015 9:59 AM
To: Mark Larson; dan
Subject: Fwd: 1RP-3921 - Endurance 25 Fed #2 SWD Investigation Summary

Sent from my iPhone

Begin forwarded message:

From: "Jones, Kellie, EMNRD" <Kellie.Jones@state.nm.us>
Date: November 23, 2015 at 9:04:22 AM PST
To: Kimberly Huckaba <khuckaba@laenvironmental.com>
Cc: "stucker@blm.gov" <stucker@blm.gov>, "Oberding, Tomas, EMNRD" <Tomas.Oberding@state.nm.us>, Mark Larson <Mark@laenvironmental.com>, "Keyes, Jamie, EMNRD" <Jamie.Keyes@state.nm.us>
Subject: RE: 1RP-3921 - Endurance 25 Fed #2 SWD Investigation Summary

Kimberly,

Good morning. My comments are below in regards to the recent submittal.

1. Ensure DP-8 is vertically delineated.
2. Provide documentation in regards to the depth to groundwater.
3. For samples DP1, DP5, DP7, DP8, and DP9, we believe going down to 8 feet in these areas will get the majority of the release.
4. Ensure BLM approval/concurrence.

If you have any questions, please feel free to contact me.

Have a great day!

Kellie Jones
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
575-393-6161 ext. 111
575-370-3180 (emergency-cell)
E-Mail: kellie.jones@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Kimberly Huckaba [<mailto:khuckaba@laenvironmental.com>]
Sent: Wednesday, November 18, 2015 7:18 AM
To: Jones, Kellie, EMNRD
Cc: stucker@blm.gov; Oberding, Tomas, EMNRD; Mark Larson
Subject: 1RP-3921 - Endurance 25 Fed #2 SWD Investigation Summary

Dear Ms. Jones,

Please find the attached summary which is submitted to the Oil Conservation Division (OCD) on behalf of EOG Resources, Inc. (EOG), to document the investigation and remediation plan of a produced water spill at the Endurance 25 Fed #2 SWD located in Lea County, New Mexico. The remediation plan proposes to excavate soil to about 4 feet below ground surface (bgs), install a 20 mil thickness polyethylene liner, backfill with clean soil and seed to BLM requirements. A temporary load line is proposed near the west end of the tank battery to allow trucks access the facility during the remediation. Please do not hesitate to contact Mark Larson at (432) 556-8685 or me with any questions you may have.

Sincerely,

Kimberly Huckaba

Larson & Associates, Inc.
Staff Geologist
432.687.0901 (O)
432.557.9703 (C)

--

This message has been scanned for viruses and dangerous content by [MailScanner](#), and is believed to be clean.

Mark Larson

From: Tucker, Shelly [stucker@blm.gov]
Sent: Monday, November 23, 2015 11:46 AM
To: Jones, Kellie, EMNRD
Cc: Kimberly Huckaba; Oberding, Tomas, EMNRD; Mark Larson; Keyes, Jamie, EMNRD
Subject: Re: 1RP-3921 - Endurance 25 Fed #2 SWD Investigation Summary

BLM concurs with NMOCD stipulations

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Bureau of Land Management

620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular

stucker@blm.gov



The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

Confidentiality Warning: This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Mon, Nov 23, 2015 at 10:04 AM, Jones, Kellie, EMNRD <Kellie.Jones@state.nm.us> wrote:

Kimberly,

Good morning. My comments are below in regards to the recent submittal.

1. Ensure DP-8 is vertically delineated.
2. Provide documentation in regards to the depth to groundwater.
3. For samples DP1, DP5, DP7, DP8, and DP9, we believe going down to 8 feet in these areas will get the majority of the release.
4. Ensure BLM approval/concurrence.

If you have any questions, please feel free to contact me.

Have a great day!

Kellie Jones

Environmental Specialist, District 1

Oil Conservation Division, EMNRD

575-393-6161 ext. 111

575-370-3180 (emergency-cell)

E-Mail: kellie.jones@state.nm.us

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Location: Lea County, New Mexico
Lab Order Number: 5K23001



NELAP/TCEQ # T104704156-13-3

Report Date: 11/24/15

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|------------------|
| DP-8 20' | 5K23001-01 | Soil | 11/21/15 11:59 | 11-23-2015 08:57 |
| DP-8 25' | 5K23001-02 | Soil | 11/21/15 12:06 | 11-23-2015 08:57 |

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-8 20'
5K23001-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 284 | 1.11 | mg/kg dry | 1 | P5K2401 | 11/24/15 | 11/24/15 | EPA 300.0 | |
| % Moisture | 10.0 | 0.1 | % | 1 | P5K2402 | 11/24/15 | 11/24/15 | % calculation | |

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-8 25'
5K23001-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 642 | 1.05 | mg/kg dry | 1 | P5K2401 | 11/24/15 | 11/24/15 | EPA 300.0 | |
| % Moisture | 5.0 | 0.1 | % | 1 | P5K2402 | 11/24/15 | 11/24/15 | % calculation | |

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------------|--------|--------------------|-----------|----------------|-------------------------------|------|-------------------------------|-------|--------------|-------|
| Batch P5K2401 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P5K2401-BLK1) | | | | | Prepared & Analyzed: 11/24/15 | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P5K2401-BS1) | | | | | Prepared & Analyzed: 11/24/15 | | | | | |
| Chloride | 210 | 1.00 | mg/kg wet | 200 | | 105 | 80-120 | | | |
| LCS Dup (P5K2401-BSD1) | | | | | Prepared & Analyzed: 11/24/15 | | | | | |
| Chloride | 207 | 1.00 | mg/kg wet | 200 | | 103 | 80-120 | 1.66 | 20 | |
| Duplicate (P5K2401-DUP1) | | | | | Source: 5K20001-01 | | Prepared & Analyzed: 11/24/15 | | | |
| Chloride | 5160 | 29.4 | mg/kg dry | | 5180 | | | 0.341 | 20 | |
| Duplicate (P5K2401-DUP2) | | | | | Source: 5K20001-09 | | Prepared & Analyzed: 11/24/15 | | | |
| Chloride | ND | 1.15 | mg/kg dry | | 174 | | | | 20 | |
| Batch P5K2402 - % Solids | | | | | | | | | | |
| Blank (P5K2402-BLK1) | | | | | Prepared & Analyzed: 11/24/15 | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P5K2402-DUP1) | | | | | Source: 5K20001-04 | | Prepared & Analyzed: 11/24/15 | | | |
| % Moisture | 13.0 | 0.1 | % | | 14.0 | | | 7.41 | 20 | |
| Duplicate (P5K2402-DUP2) | | | | | Source: 5K23002-04 | | Prepared & Analyzed: 11/24/15 | | | |
| % Moisture | 7.0 | 0.1 | % | | 11.0 | | | 44.4 | 20 | |

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Endurance 25
Project Number: 15-0160-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 11/24/2015

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

CHAIN-OF-CUSTOMERS

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 11/21/2015 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: _____
PROJECT LOCATION OR NAME: EOG Endurance 25
LAI PROJECT #: 15-0160-01 COLLECTOR: Michael Sa

Page 7 of 7

[illegible]

ATTACHMENT B

Field Chloride Titration Procedure

Procedure:

1. Make sure scale is reading in grams (g) with one-tenth of a gram precision.
2. Zero-out (tare) the weight on the scale containing a clean, dry 40-ml vial *without* lid attached.
3. Add approximately 10 grams of soil to the vial and record the weight, and re-zero (tare) the scale.
4. Using a 10 ml pipette add about 30 ml of distilled water to the vial and record the weight.
5. Place lid on vial and agitate for 20 seconds, then allow up to 20 minutes for the soil and water to separate.
6. Place a clean, dry paper cup on the scale and zero it out (tare).
7. Using a 10 ml pipette, remove and measure approximately 10 ml of the free liquid extract from the vial (record the volume) and place in the paper cup.
8. Swirl in 3 drops of Potassium Chromate to the solution in the paper cup.
9. Using the small pipette, add 0.141N Silver Nitrate to the solution in the paper cup drop by drop while swirling until the solution turns brick red. Record the volume (ml) of Silver Nitrate used.
10. Perform calculations as follows:

Parameters Water (g) Soil (g)
 Silver Nitrate (ml) Solution (ml)
Constant = Chloride mole Weight x AgNO₃ normal (35,450 x 0.141) = (4,998)

Calculation of chloride concentration in soil:

$$C_{soil}(mg / kg) = (C_{mol} - wt \times normal) \times \frac{Water(g)}{Soil(g)} \times \frac{AgNO_3(ml)}{Solution(ml)}$$

or

$$C_{soil}(mg / kg) = (9997) \times \frac{Water(g)}{Soil(g)} \times \frac{AgNO_3(ml)}{Solution(ml)}$$

Field Chloride Titration Results (0.141N AgNO₃)

ATTACHMENT C

Laboratory Analytical Reports

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #2

Project Number: [none]

Location: T26S R33E Sec. 25 Unit E

Lab Order Number: 6F07016



NELAP/TCEQ # T104704156-13-3

Report Date: 08/18/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|------------------|
| Stockpile A | 6F07016-01 | Soil | 06/07/16 14:50 | 06-07-2016 20:10 |
| Stockpile B | 6F07016-02 | Soil | 06/07/16 14:55 | 06-07-2016 20:10 |
| Stockpile C | 6F07016-03 | Soil | 06/07/16 15:00 | 06-07-2016 20:10 |
| Stockpile D | 6F07016-04 | Soil | 06/07/16 15:05 | 06-07-2016 20:10 |
| Stockpile E | 6F07016-05 | Soil | 06/07/16 15:10 | 06-07-2016 20:10 |
| Stockpile F | 6F07016-06 | Soil | 06/07/16 15:15 | 06-07-2016 20:10 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile A
6F07016-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|------------|-----|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 527 | 1.02 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 2.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile B
6F07016-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 540 | 1.02 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 2.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile C
6F07016-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 638 | 1.02 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 2.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile D
6F07016-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 683 | 1.37 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 27.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile E
6F07016-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2090 | 10.5 | mg/kg dry | 10 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 5.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile F
6F07016-06 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 1980 | 10.9 | mg/kg dry | 10 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 8.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------------|--------|--------------------|-----------|---------------------------------------|------------------|---------------------------------------|----------------|-------|--------------|-------|
| Batch P6F0801 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P6F0801-BLK1) | | | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P6F0801-BS1) | | | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | 172 | 1.00 | mg/kg wet | 200 | | 85.8 | 80-120 | | | |
| LCS Dup (P6F0801-BSD1) | | | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | 175 | 1.00 | mg/kg wet | 200 | | 87.3 | 80-120 | 1.79 | 20 | |
| Duplicate (P6F0801-DUP1) | | | | Source: 6F06002-01 | | Prepared & Analyzed: 06/07/16 | | | | |
| Chloride | 3370 | 31.2 | mg/kg dry | | 3410 | | | 1.20 | 20 | |
| Duplicate (P6F0801-DUP2) | | | | Source: 6F07016-05 | | Prepared & Analyzed: 06/07/16 | | | | |
| Chloride | 2100 | 10.5 | mg/kg dry | | 2090 | | | 0.351 | 20 | |
| Matrix Spike (P6F0801-MS1) | | | | Source: 6F06002-01 | | Prepared & Analyzed: 06/07/16 | | | | |
| Chloride | 10300 | 39.1 | mg/kg dry | 5000 | 3410 | 139 | 80-120 | | | QM-07 |
| Batch P6F0802 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P6F0802-BLK1) | | | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P6F0802-DUP1) | | | | Source: 6F07016-01 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 2.0 | | | 0.00 | 20 | |
| Duplicate (P6F0802-DUP2) | | | | Source: 6F06002-01 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | |
| % Moisture | 19.0 | 0.1 | % | | 20.0 | | | 5.13 | 20 | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F0802 - * DEFAULT PREP *****

| | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|---------------------------------------|------|--|--|------|----|--|
| Duplicate (P6F0802-DUP3) | | Source: 6F06002-25 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | 9.0 | 0.1 | % | | 9.0 | | | 0.00 | 20 | |
| Duplicate (P6F0802-DUP4) | | Source: 6F06002-49 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | 4.0 | 0.1 | % | | 5.0 | | | 22.2 | 20 | |
| Duplicate (P6F0802-DUP5) | | Source: 6F06003-02 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | 15.0 | 0.1 | % | | 16.0 | | | 6.45 | 20 | |

Notes and Definitions

| | |
|-------|----------------------------------------------------------------------------------------------------------------------------------|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike |
| MS | Matrix Spike |
| Dup | Duplicate |

Report Approved By:



Date:

8/18/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-686-7235

Pemian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Project Name: Endurance Field 25 SWD

Project #: 126S R33E Sec 25 Unit E

Project Loc: 126S R33E Sec 25 Unit E

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Manager:

Company Name:

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Fax No:

e-mail:

(lab use only)

ORDER #: 6F07016

LAB # (lab use only)

FIELD CODE

16pt composite

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃ 250, ml Poly

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None 1L Poly

NaOH/ZnAc

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH by TX 1005 8015B 8015M

Chloride

BTEX by 8021B

Preservation & # of Containers

Matrix

Analyze For:

Rush 24 48 72 (Please call)
Standard

Special Instructions:

Relinquished by:

Date

Time

Relinquished by:

Date

Time

Relinquished by:

Date

Time

Laboratory Comments:
Sample Containers Intact?
VOCs Free of Headspace?
Labels on container(s)?
Custody seals on container(s)?
Custody seals on cooler(s)?
Sample Hand Delivered by Sampler/Client Rep.?
Temperature Upon Receipt:
by Courier? UPS DHL FedEx Lone Star
Adjusted: 15 °C Factor: NCE 41

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #2

Project Number: [none]

Location: T26S R33E Sec. 25 Unit E

Lab Order Number: 6F07017



NELAP/TCEQ # T104704156-13-3

Report Date: 08/18/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|------------------|
| DP-8 (4') | 6F07017-01 | Soil | 06/07/16 11:30 | 06-07-2016 20:10 |
| DP-8 (8') | 6F07017-02 | Soil | 06/07/16 12:00 | 06-07-2016 20:10 |
| DP-9 (4') | 6F07017-03 | Soil | 06/07/16 11:00 | 06-07-2016 20:10 |
| DP-9 (4') | 6F07017-04 | Soil | 06/07/16 11:10 | 06-07-2016 20:10 |
| 20' N. DP-7 (4') | 6F07017-05 | Soil | 06/07/16 14:00 | 06-07-2016 20:10 |
| 20' N. DP-7 (8') | 6F07017-06 | Soil | 06/07/16 14:05 | 06-07-2016 20:10 |
| 30' S. DP-7 (4') | 6F07017-07 | Soil | 06/07/16 14:10 | 06-07-2016 20:10 |
| 30' S. DP-7 (8') | 6F07017-08 | Soil | 06/07/16 14:15 | 06-07-2016 20:10 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-8 (4')
6F07017-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|------------|-----|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 732 | 1.03 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-8 (8')
6F07017-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 3370 | 26.3 | mg/kg dry | 25 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 5.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-9 (4')
6F07017-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 1530 | 5.21 | mg/kg dry | 5 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-9 (4')
6F07017-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 1250 | 5.21 | mg/kg dry | 5 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

20' N. DP-7 (4')

6F07017-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|------------|------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1350 | 5.32 | mg/kg dry | 5 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 6.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

20' N. DP-7 (8')

6F07017-06 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 1190 | 5.21 | mg/kg dry | 5 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

30' S. DP-7 (4')
6F07017-07 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 275 | 1.12 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 |
| % Moisture | 11.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

30' S. DP-7 (8')
6F07017-08 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 754 | 1.04 | mg/kg dry | 1 | P6F0801 | 06/07/16 | 06/07/16 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F0802 | 06/07/16 | 06/08/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F0801 - * DEFAULT PREP *****

| | | | | | | | | | | |
|-----------------------------------|-------|-------------------------------|-----------|-------------------------------|------|------|--------|-------|----|-------|
| Blank (P6F0801-BLK1) | | Prepared & Analyzed: 06/07/16 | | | | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P6F0801-BS1) | | Prepared & Analyzed: 06/07/16 | | | | | | | | |
| Chloride | 172 | 1.00 | mg/kg wet | 200 | | 85.8 | 80-120 | | | |
| LCS Dup (P6F0801-BSD1) | | Prepared & Analyzed: 06/07/16 | | | | | | | | |
| Chloride | 175 | 1.00 | mg/kg wet | 200 | | 87.3 | 80-120 | 1.79 | 20 | |
| Duplicate (P6F0801-DUP1) | | Source: 6F06002-01 | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | 3370 | 31.2 | mg/kg dry | | 3410 | | | 1.20 | 20 | |
| Duplicate (P6F0801-DUP2) | | Source: 6F07016-05 | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | 2100 | 10.5 | mg/kg dry | | 2090 | | | 0.351 | 20 | |
| Matrix Spike (P6F0801-MS1) | | Source: 6F06002-01 | | Prepared & Analyzed: 06/07/16 | | | | | | |
| Chloride | 10300 | 39.1 | mg/kg dry | 5000 | 3410 | 139 | 80-120 | | | QM-07 |

Batch P6F0802 - * DEFAULT PREP *****

| | | | | | | | | | | |
|---------------------------------|------|---------------------------------------|---|---------------------------------------|------|--|--|------|----|--|
| Blank (P6F0802-BLK1) | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P6F0802-DUP1) | | Source: 6F07016-01 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | 2.0 | 0.1 | % | | 2.0 | | | 0.00 | 20 | |
| Duplicate (P6F0802-DUP2) | | Source: 6F06002-01 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | |
| % Moisture | 19.0 | 0.1 | % | | 20.0 | | | 5.13 | 20 | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F0802 - * DEFAULT PREP *****

| | | | | | | | | | | |
|---------------------------------|---------------------------|-----|---------------------------------------|--|------|--|--|------|----|--|
| Duplicate (P6F0802-DUP3) | Source: 6F06002-25 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | | |
| % Moisture | 9.0 | 0.1 | % | | 9.0 | | | 0.00 | 20 | |
| Duplicate (P6F0802-DUP4) | Source: 6F06002-49 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | | |
| % Moisture | 4.0 | 0.1 | % | | 5.0 | | | 22.2 | 20 | |
| Duplicate (P6F0802-DUP5) | Source: 6F06003-02 | | Prepared: 06/07/16 Analyzed: 06/08/16 | | | | | | | |
| % Moisture | 15.0 | 0.1 | % | | 16.0 | | | 6.45 | 20 | |

Notes and Definitions

| | |
|-------|----------------------------------------------------------------------------------------------------------------------------------|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Spike |
| MS | Matrix Spike |
| Dup | Duplicate |

Report Approved By:



Date:

8/18/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Project Manager:

Gil Van Deventer

Project Name:

Indurance Fed 25 SWD#

Company Name

Trident Environmental

Project #:

Company Address:

POB 12177

Project Loc:

T265 R 33E Sec 25 Unit E

City/State/Zip:

Odessa TX 79768

PO #:

Telephone No:

432-638-8740

Report Format:

☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

Gil Van Deventer

e-mail:

gil@trident-environmental.com

(lab use only)

ORDER #:

6507017

Analyze For:

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Preservation & # of Containers

Matrix

Ice
HNO₃ 250,ml Poly
HCl
H₂SO₄
NaOH
Na₂S₂O₃
None 1L Poly
NaOH/ZnAc

DW=Drinking Water SL=Sludge
GW = Groundwater S=Soil/Solid
NP=Non-Potable Specify Other
TPH by TX 1005 8015B 8015M

Chloride
BTEX by 8021B

Rush 24 48 72 (Please call)

Standard

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Preservation & # of Containers | Matrix | Chloride | BTEX by 8021B | Rush 24 48 72 (Please call) | Standard |
|----------------------|------------------|-----------------|--------------|--------------|--------------|----------------|------------------------|--------------------------------|--------|----------|---------------|-----------------------------|----------|
| 1 | DP-8 (4') | 4' | 4' | 6-7-16 | 1130 | N | 1 | ✓ | | ✓ | | | ✓ |
| 2 | DP-8 (8') | 8' | 8' | 6-7-16 | 1220 | N | 1 | ✓ | | ✓ | | | ✓ |
| 3 | DP-9 (4') | 4' | 4' | 6-7-16 | 1100 | N | 1 | ✓ | | ✓ | | | ✓ |
| 4 | DP-9 (8') | 8' | 8' | 6-7-16 | 1110 | N | 1 | ✓ | | ✓ | | | ✓ |
| 5 | 20' N. DP-7 (4') | 4' | 4' | 6-7-16 | 1400 | N | 1 | ✓ | | ✓ | | | ✓ |
| 6 | 20' N. DP-7 (8') | 8' | 8' | 6-7-16 | 1405 | N | 1 | ✓ | | ✓ | | | ✓ |
| 7 | 30' S. DP-7 (4') | 4' | 4' | 6-7-16 | 1410 | N | 1 | ✓ | | ✓ | | | ✓ |
| 8 | 30' S. DP-7 (8') | 8' | 8' | 6-7-16 | 1415 | N | 1 | ✓ | | ✓ | | | ✓ |

Laboratory Comments:

Sample Containers Intact?
VOCs Free of Headspace?
Labels on container(s)
Custody seals on container(s)
Custody seals on code(s)
Sample Hand Delivered
by Sampler/Client Rep?
by Courier?
Temperature Upon Receipt:
Received: 15°C
Adjusted: NCF 41

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #4

Project Number: [none]

Location: T16S R33E Sec 25 Unit E

Lab Order Number: 6F09002



NELAP/TCEQ # T104704156-13-3

Report Date: 06/22/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|------------------|
| DP-5 (4') | 6F09002-01 | Soil | 06/08/16 13:30 | 06-08-2016 21:00 |
| DP-5 (8') | 6F09002-02 | Soil | 06/08/16 12:30 | 06-08-2016 21:00 |
| Stockpile G | 6F09002-03 | Soil | 06/08/16 14:30 | 06-08-2016 21:00 |
| Stockpile H | 6F09002-04 | Soil | 06/08/16 14:40 | 06-08-2016 21:00 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-5 (4')
6F09002-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 4350 | 27.2 | mg/kg dry | 25 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 8.0 | 0.1 | % | 1 | P6F1007 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-5 (8')
6F09002-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 5840 | 27.8 | mg/kg dry | 25 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 | |
| % Moisture | 10.0 | 0.1 | % | 1 | P6F1007 | 06/10/16 | 06/10/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile G
6F09002-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 1500 | 10.5 | mg/kg dry | 10 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 5.0 | 0.1 | % | 1 | P6F1007 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile H
6F09002-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2360 | 10.5 | mg/kg dry | 10 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 5.0 | 0.1 | % | 1 | P6F1007 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
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Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F1007 - * DEFAULT PREP *****

Blank (P6F1007-BLK1)

Prepared & Analyzed: 06/10/16

% Moisture ND 0.1 %

Duplicate (P6F1007-DUP1)

Source: 6F09002-02

Prepared & Analyzed: 06/10/16

% Moisture 10.0 0.1 % 10.0 0.00 20

Duplicate (P6F1007-DUP2)

Source: 6F09007-08

Prepared & Analyzed: 06/10/16

% Moisture 11.0 0.1 % 12.0 8.70 20

Duplicate (P6F1007-DUP3)

Source: 6F09007-21

Prepared & Analyzed: 06/10/16

% Moisture 11.0 0.1 % 11.0 0.00 20

Duplicate (P6F1007-DUP4)

Source: 6F09011-04

Prepared & Analyzed: 06/10/16

% Moisture 4.0 0.1 % 4.0 0.00 20

Batch P6F1401 - * DEFAULT PREP *****

Blank (P6F1401-BLK1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride ND 1.00 mg/kg wet

LCS (P6F1401-BS1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 177 1.00 mg/kg wet 200 88.4 80-120

LCS Dup (P6F1401-BSD1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 180 1.00 mg/kg wet 200 89.8 80-120 1.63 20

Duplicate (P6F1401-DUP1)

Source: 6F09002-01

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 4320 27.2 mg/kg dry 4350 0.627 20

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F1401 - * DEFAULT PREP *****

Duplicate (P6F1401-DUP2)

Source: 6D15005-05

Prepared: 06/14/16 Analyzed: 06/16/16

| | | | | | | | | | | |
|----------|------|------|-----------|--|------|--|--|------|----|--|
| Chloride | 1030 | 5.62 | mg/kg dry | | 1090 | | | 5.77 | 20 | |
|----------|------|------|-----------|--|------|--|--|------|----|--|

Matrix Spike (P6F1401-MS1)

Source: 6F09002-01

Prepared: 06/14/16 Analyzed: 06/16/16

| | | | | | | | | | | |
|----------|-----|--|-------|-----|-----|-----|--------|--|--|--|
| Chloride | 771 | | mg/kg | 350 | 400 | 106 | 80-120 | | | |
|----------|-----|--|-------|-----|-----|-----|--------|--|--|--|

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #4
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

6/22/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 24 SWD #2

Project Number: [none]

Location: TS265 R33E Sec 25 Unit E

Lab Order Number: 6F09014



NELAP/TCEQ # T104704156-13-3

Report Date: 06/13/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|------------------|
| Stockpile I | 6F09014-01 | Soil | 06/09/16 13:30 | 06-09-2016 18:30 |
| Stockpile J | 6F09014-02 | Soil | 06/09/16 13:40 | 06-09-2016 18:30 |
| Stockpile K | 6F09014-03 | Soil | 06/09/16 13:50 | 06-09-2016 18:30 |
| Stockpile L | 6F09014-04 | Soil | 06/09/16 14:00 | 06-09-2016 18:30 |
| Stockpile M | 6F09014-05 | Soil | 06/09/16 14:10 | 06-09-2016 18:30 |
| Stockpile N | 6F09014-06 | Soil | 06/09/16 14:20 | 06-09-2016 18:30 |
| 30' n. DO5 (4') | 6F09014-07 | Soil | 06/09/16 08:30 | 06-09-2016 18:30 |
| 50' S. DP-6 (4') | 6F09014-08 | Soil | 06/09/16 09:00 | 06-09-2016 18:30 |
| 50 S. DP-6 (8') | 6F09014-09 | Soil | 06/09/16 09:05 | 06-09-2016 18:30 |
| 25'S. DP-6 (4') | 6F09014-10 | Soil | 06/09/16 10:00 | 06-09-2016 18:30 |
| 25"S. DP-6 (8') | 6F09014-11 | Soil | 06/09/16 10:05 | 06-09-2016 18:30 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile I
6F09014-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 901 | 5.21 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile J
6F09014-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1590 | 5.21 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile K
6F09014-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 490 | 5.21 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 | |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile L
6F09014-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1080 | 5.21 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile M
6F09014-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1000 | 5.15 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 3.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile N
6F09014-06 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1220 | 5.21 | mg/kg dry | 5 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

30' n. DO5 (4')
6F09014-07 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 3610 | 27.8 | mg/kg dry | 25 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 10.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

50' S. DP-6 (4')
6F09014-08 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|------------|------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 5200 | 27.5 | mg/kg dry | 25 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 | |
| % Moisture | 9.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

50 S. DP-6 (8')
6F09014-09 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 1830 | 25.8 | mg/kg dry | 25 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 | |
| % Moisture | 3.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

25'S. DP-6 (4')
6F09014-10 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 1290 | 10.4 | mg/kg dry | 10 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

25"S. DP-6 (8')

6F09014-11 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 547 | 10.4 | mg/kg dry | 10 | P6F1002 | 06/10/16 | 06/10/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1001 | 06/10/16 | 06/10/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F1001 - * DEFAULT PREP *****

Blank (P6F1001-BLK1)

Prepared & Analyzed: 06/10/16

% Moisture ND 0.1 %

Duplicate (P6F1001-DUP1)

Source: 6F09014-11

Prepared & Analyzed: 06/10/16

% Moisture 4.0 0.1 % 4.0 0.00 20

Batch P6F1002 - * DEFAULT PREP *****

Blank (P6F1002-BLK1)

Prepared & Analyzed: 06/10/16

Chloride ND 1.00 mg/kg wet

LCS (P6F1002-BS1)

Prepared & Analyzed: 06/10/16

Chloride 179 1.00 mg/kg wet 200 89.6 80-120

LCS Dup (P6F1002-BSD1)

Prepared & Analyzed: 06/10/16

Chloride 180 1.00 mg/kg wet 200 89.8 80-120 0.279 20

Duplicate (P6F1002-DUP1)

Source: 6F09014-01

Prepared & Analyzed: 06/10/16

Chloride 910 5.21 mg/kg dry 901 0.932 20

Duplicate (P6F1002-DUP2)

Source: 6F09014-11

Prepared & Analyzed: 06/10/16

Chloride 549 10.4 mg/kg dry 547 0.380 20

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 24 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By: _____



Date: 6/13/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Project Manager:

Gilbert Van Deventer

Project Name:

Endurance Fed 25 SWD

Company Name

Trident Environmental

Project #:

Company Address:

PO Box 12177

Project Loc:

T

City/State/Zip:

Odessa TX 79768

PO #:

Telephone No:

432-638-8740

Fax No:

Report Format:

☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

[Signature]

e-mail:

g.van@trident-environmental.com

(lab use only)

ORDER #:

6F09014

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chloride

RUSH TAT (Pre-Schedule) (24) 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

Relinquished by: *[Signature]*

Date: *6/9/16*

Time: *6:30 PM*

Received by:

Date:

Time:

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

Laboratory Comments:

Sample Containers Intact? *[X]*
VOCs Free of Headspace? *[X]*
Labels on containers? *[X]*
Custody seals on containers? *[X]*
Custody seals on cooler(s)? *[X]*
Sample Hand Delivered? *[X]*
by Courier? *[X]*
by Sampler/Client Rep? *[X]*
Temperature Upon Receipt: *20* °C
Adjusted: *20* °C Factor: *1.00*

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #2

Project Number: [none]

Location: T16S R33E Sec 25 Unit E

Lab Order Number: 6F13011



NELAP/TCEQ # T104704156-13-3

Report Date: 07/07/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------------|---------------|--------|----------------|------------------|
| 80' NE DP-5 (8') | 6F13011-01 | Soil | 06/13/16 14:20 | 06-13-2016 19:00 |
| 50' S DP-5 (8') | 6F13011-02 | Soil | 06/13/16 14:30 | 06-13-2016 19:00 |
| 50- S 20' W DP-7 (4') | 6F13011-03 | Soil | 06/13/16 12:30 | 06-13-2016 19:00 |
| DP-7 (8') | 6F13011-04 | Soil | 06/13/16 12:40 | 06-13-2016 19:00 |
| Stockpile O | 6F13011-05 | Soil | 06/13/16 15:00 | 06-13-2016 19:00 |
| Stockpile P | 6F13011-06 | Soil | 06/13/16 15:10 | 06-13-2016 19:00 |
| Stockpile Q | 6F13011-07 | Soil | 06/13/16 15:20 | 06-13-2016 19:00 |
| SP-6 | 6F13011-08 | Soil | 06/13/16 14:00 | 06-13-2016 19:00 |
| SP-7 | 6F13011-09 | Soil | 06/13/16 14:20 | 06-13-2016 19:00 |
| Top Soil (Lea Land) | 6F13011-10 | Soil | 06/13/16 15:30 | 06-13-2016 19:00 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

80' NE DP-5 (8')

6F13011-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|------------|------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2560 | 10.4 | mg/kg dry | 10 | P6F2013 | 06/20/16 | 06/20/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

50' S DP-5 (8')
6F13011-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 1910 | 10.4 | mg/kg dry | 10 | P6F2013 | 06/20/16 | 06/20/16 | EPA 300.0 |
| % Moisture | 4.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

50- S 20' W DP-7 (4')
6F13011-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 33.3 | 1.06 | mg/kg dry | 1 | P6F2013 | 06/20/16 | 06/20/16 | EPA 300.0 |
| % Moisture | 6.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-7 (8')
6F13011-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 314 | 1.01 | mg/kg dry | 1 | P6F2013 | 06/20/16 | 06/20/16 | EPA 300.0 |
| % Moisture | 1.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile O
6F13011-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 1550 | 5.62 | mg/kg dry | 5 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 11.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile P
6F13011-06 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2690 | 10.6 | mg/kg dry | 10 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 6.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Stockpile Q
6F13011-07 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2670 | 10.6 | mg/kg dry | 10 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 6.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

SP-6

6F13011-08 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|------------|------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2320 | 10.5 | mg/kg dry | 10 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 5.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

SP-7

6F13011-09 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|
| Chloride | 545 | 1.03 | mg/kg dry | 1 | P6F1401 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 3.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Top Soil (Lea Land)
6F13011-10 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|------------|------|-----------|---|---------|----------|----------|---------------|--|
| Chloride | 209 | 1.08 | mg/kg dry | 1 | P6F2014 | 06/20/16 | 06/20/16 | EPA 300.0 | |
| % Moisture | 7.0 | 0.1 | % | 1 | P6F1506 | 06/15/16 | 06/16/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F1401 - * DEFAULT PREP *****

Blank (P6F1401-BLK1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride ND 1.00 mg/kg wet

LCS (P6F1401-BS1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 177 1.00 mg/kg wet 200 88.4 80-120

LCS Dup (P6F1401-BSD1)

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 180 1.00 mg/kg wet 200 89.8 80-120 1.63 20

Duplicate (P6F1401-DUP1)

Source: 6F09002-01

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 4320 27.2 mg/kg dry 4350 0.627 20

Duplicate (P6F1401-DUP2)

Source: 6D15005-08

Prepared & Analyzed: 06/14/16

Chloride 1040 5.68 mg/kg dry 1100 5.76 20

Matrix Spike (P6F1401-MS1)

Source: 6F09002-01

Prepared: 06/14/16 Analyzed: 06/16/16

Chloride 771 mg/kg 350 400 106 80-120

Batch P6F1506 - * DEFAULT PREP *****

Blank (P6F1506-BLK1)

Prepared: 06/15/16 Analyzed: 06/16/16

% Moisture ND 0.1 %

Duplicate (P6F1506-DUP1)

Source: 6F09009-34

Prepared: 06/15/16 Analyzed: 06/16/16

% Moisture 5.0 0.1 % 5.0 0.00 20

Batch P6F2013 - * DEFAULT PREP *****

Blank (P6F2013-BLK1)

Prepared & Analyzed: 06/20/16

Chloride ND 1.00 mg/kg wet

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F2013 - * DEFAULT PREP *****

| | | | | | | | | | | |
|-----------------------------------|-------|------|-----------|-------------------------------|------|-------------------------------|--------|--------|----|--|
| LCS (P6F2013-BS1) | | | | Prepared & Analyzed: 06/20/16 | | | | | | |
| Chloride | 185 | 1.00 | mg/kg wet | 200 | | 92.3 | 80-120 | | | |
| LCS Dup (P6F2013-BSD1) | | | | Prepared & Analyzed: 06/20/16 | | | | | | |
| Chloride | 184 | 1.00 | mg/kg wet | 200 | | 92.0 | 80-120 | 0.364 | 20 | |
| Duplicate (P6F2013-DUP1) | | | | Source: 6F09010-11 | | Prepared & Analyzed: 06/20/16 | | | | |
| Chloride | 7170 | 29.1 | mg/kg dry | | 7170 | | | 0.0284 | 20 | |
| Duplicate (P6F2013-DUP2) | | | | Source: 6F09010-21 | | Prepared & Analyzed: 06/20/16 | | | | |
| Chloride | 1050 | 5.88 | mg/kg dry | | 1050 | | | 0.212 | 20 | |
| Matrix Spike (P6F2013-MS1) | | | | Source: 6F09010-11 | | Prepared & Analyzed: 06/20/16 | | | | |
| Chloride | 11400 | 29.1 | mg/kg dry | 4650 | 7170 | 91.8 | 80-120 | | | |

Batch P6F2014 - * DEFAULT PREP *****

| | | | | | | | | | | |
|---------------------------------|-----|------|-----------|-------------------------------|-----|-------------------------------|--------|-------|----|--|
| Blank (P6F2014-BLK1) | | | | Prepared & Analyzed: 06/20/16 | | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P6F2014-BS1) | | | | Prepared & Analyzed: 06/20/16 | | | | | | |
| Chloride | 186 | 1.00 | mg/kg wet | 200 | | 93.0 | 80-120 | | | |
| LCS Dup (P6F2014-BSD1) | | | | Prepared & Analyzed: 06/20/16 | | | | | | |
| Chloride | 187 | 1.00 | mg/kg wet | 200 | | 93.3 | 80-120 | 0.295 | 20 | |
| Duplicate (P6F2014-DUP1) | | | | Source: 6F13011-10 | | Prepared & Analyzed: 06/20/16 | | | | |
| Chloride | 212 | 1.08 | mg/kg dry | | 209 | | | 1.25 | 20 | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F2014 - * DEFAULT PREP *****

Duplicate (P6F2014-DUP2)

Source: 6F09009-17

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|------|------|-----------|--|------|--|--|------|----|--|
| Chloride | 3.75 | 1.04 | mg/kg dry | | 3.91 | | | 4.08 | 20 | |
|----------|------|------|-----------|--|------|--|--|------|----|--|

Matrix Spike (P6F2014-MS1)

Source: 6F13011-10

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|-----|------|--------|--|--|--|
| Chloride | 384 | 1.08 | mg/kg dry | 215 | 209 | 81.5 | 80-120 | | | |
|----------|-----|------|-----------|-----|-----|------|--------|--|--|--|

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

7/7/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Project Manager:

Gil Van Deventer

Project Name:

Endurance Fed 25 SWD #1

Company Name

Trident Environmental

Project #:

Company Address:

PO Box 12177

Project Loc: Tlbs R33E Sec 25 Unit E

City/State/Zip:

Odessa TX 79768

PO #:

Lea County, NM

Telephone No:

432-638-8740

Fax No:

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

Sampler Signature:

Geel Kent

e-mail:

gk@trident-environmental.com

(lab use only)

ORDER # 6F13011

| LAB # (lab use only) | | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Preservation & # of Containers | | | | | | | Matrix | Analyze For: | | | | Rush 24 48 72 (Please call) | Standard |
|----------------------|-----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|--------------------------------|----|----|----|----|----|----|--------|--------------|----|----|----|-----------------------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| 1 | 80' NE DP-5 (8') | | 8' | 8' | 6-10-16 | 1420 | N | 1 | | | | | | | | | | | | | | |
| 2 | 50' S DP-5 (8') | | 8' | 8' | 6-10-16 | 1430 | N | 1 | | | | | | | | | | | | | | |
| 3 | 50' S 20' W DP-7 (4') | | 4' | 4' | 6-13-16 | 1230 | N | 1 | | | | | | | | | | | | | | |
| 4 | DP-7 (8') | | 8' | 8' | 6-13-16 | 1240 | N | 1 | | | | | | | | | | | | | | |
| 5 | Stockpile O | | - | - | 6-10-16 | 1500 | N | 1 | | | | | | | | | | | | | | |
| 6 | Stockpile P | | - | - | 6-10-16 | 1510 | N | 1 | | | | | | | | | | | | | | |
| 7 | Stockpile Q | | - | - | 6-10-16 | 1520 | N | 1 | | | | | | | | | | | | | | |
| 8 | SP-6 | | - | - | 6-13-16 | 1400 | N | 1 | | | | | | | | | | | | | | |
| 9 | SP-7 | | - | - | 6-13-16 | 1420 | N | 1 | | | | | | | | | | | | | | |
| 10 | Top Soil (Lea Land) | | - | - | 6-10-16 | 1530 | N | 1 | | | | | | | | | | | | | | |

| Relinquished by: | Date | Time | Received by: | Date | Time |
|--------------------|----------------|----------------|--------------------|----------------|-------------|
| <u>[Signature]</u> | <u>6/13/16</u> | <u>7:00 PM</u> | <u>[Signature]</u> | <u>6/13/16</u> | <u>1900</u> |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |

| Laboratory Comments: | |
|----------------------------------------------|-------------------------------------|
| Sample Containers Intact? | <input checked="" type="checkbox"/> |
| VOCs Free of Headspace? | <input checked="" type="checkbox"/> |
| Labels on containers? | <input checked="" type="checkbox"/> |
| Custody seals on containers? | <input checked="" type="checkbox"/> |
| Custody seals on cooler(s)? | <input checked="" type="checkbox"/> |
| Sample Hand Delivered by Sampler/Client Rep? | <input checked="" type="checkbox"/> |
| by Courier? | <input checked="" type="checkbox"/> |
| Temperature Upon Receipt: | <input checked="" type="checkbox"/> |
| Adjusted: | <input checked="" type="checkbox"/> |

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #2

Project Number: [none]

Location: Lea County, NM

Lab Order Number: 6F14006



NELAP/TCEQ # T104704156-13-3

Report Date: 07/07/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|------------------|
| SP-3 | 6F14006-01 | Soil | 06/14/16 13:40 | 06-14-2016 18:30 |
| DP-3 (4') | 6F14006-02 | Soil | 06/14/16 13:13 | 06-14-2016 18:30 |
| DP-3 (8') | 6F14006-03 | Soil | 06/14/16 13:50 | 06-14-2016 18:30 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

SP-3
6F14006-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2840 | 29.1 | mg/kg dry | 25 | P6F1605 | 06/14/16 | 06/14/16 | EPA 300.0 |
| % Moisture | 14.0 | 0.1 | % | 1 | P6F1508 | 06/15/16 | 06/15/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-3 (4')
6F14006-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 2140 | 10.6 | mg/kg dry | 10 | P6F2016 | 06/20/16 | 06/20/16 | EPA 300.0 | |
| % Moisture | 6.0 | 0.1 | % | 1 | P6F1508 | 06/15/16 | 06/15/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-3 (8')
6F14006-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2590 | 27.5 | mg/kg dry | 25 | P6F2016 | 06/20/16 | 06/20/16 | EPA 300.0 |
| % Moisture | 9.0 | 0.1 | % | 1 | P6F1508 | 06/15/16 | 06/15/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------------|--------|--------------------|-----------|----------------------------------------------------------|------------------|------|----------------|-------|--------------|-------|
| Batch P6F1508 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P6F1508-BLK1) | | | | Prepared & Analyzed: 06/15/16 | | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (P6F1508-DUP1) | | | | Source: 6F14004-01 Prepared & Analyzed: 06/15/16 | | | | | | |
| % Moisture | 3.0 | 0.1 | % | | 3.0 | | | 0.00 | 20 | |
| Duplicate (P6F1508-DUP2) | | | | Source: 6F14005-21 Prepared & Analyzed: 06/15/16 | | | | | | |
| % Moisture | 7.0 | 0.1 | % | | 6.0 | | | 15.4 | 20 | |
| Batch P6F1605 - *** DEFAULT PREP *** | | | | | | | | | | |
| Blank (P6F1605-BLK1) | | | | Prepared & Analyzed: 06/14/16 | | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| LCS (P6F1605-BS1) | | | | Prepared & Analyzed: 06/14/16 | | | | | | |
| Chloride | 178 | 1.00 | mg/kg wet | 200 | | 88.9 | 80-120 | | | |
| LCS Dup (P6F1605-BSD1) | | | | Prepared & Analyzed: 06/14/16 | | | | | | |
| Chloride | 182 | 1.00 | mg/kg wet | 200 | | 90.9 | 80-120 | 2.25 | 20 | |
| Duplicate (P6F1605-DUP1) | | | | Source: 6F07014-03 Prepared & Analyzed: 06/14/16 | | | | | | |
| Chloride | 1200 | 5.56 | mg/kg dry | | 1170 | | | 2.69 | 20 | |
| Duplicate (P6F1605-DUP2) | | | | Source: 6F07014-14 Prepared: 06/14/16 Analyzed: 06/15/16 | | | | | | |
| Chloride | 4200 | 11.0 | mg/kg dry | | 4160 | | | 0.951 | 20 | |
| Matrix Spike (P6F1605-MS1) | | | | Source: 6F07014-03 Prepared & Analyzed: 06/14/16 | | | | | | |
| Chloride | 179 | | mg/kg | 60.0 | 105 | 123 | 80-120 | | | QM-07 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6F2016 - * DEFAULT PREP *****

Blank (P6F2016-BLK1)

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
|----------|----|------|-----------|--|--|--|--|--|--|--|

LCS (P6F2016-BS1)

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|
| Chloride | 170 | 1.00 | mg/kg wet | 200 | | 85.0 | 80-120 | | | |
|----------|-----|------|-----------|-----|--|------|--------|--|--|--|

LCS Dup (P6F2016-BSD1)

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|
| Chloride | 169 | 1.00 | mg/kg wet | 200 | | 84.4 | 80-120 | 0.644 | 20 | |
|----------|-----|------|-----------|-----|--|------|--------|-------|----|--|

Duplicate (P6F2016-DUP1)

Source: 6F14003-08

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|------|------|-----------|--|------|--|--|------|----|--|
| Chloride | 15.7 | 1.04 | mg/kg dry | | 15.4 | | | 2.01 | 20 | |
|----------|------|------|-----------|--|------|--|--|------|----|--|

Duplicate (P6F2016-DUP2)

Source: 6F16007-01

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|-----|------|-----------|--|-----|--|--|------|----|--|
| Chloride | 227 | 1.03 | mg/kg dry | | 234 | | | 3.08 | 20 | |
|----------|-----|------|-----------|--|-----|--|--|------|----|--|

Matrix Spike (P6F2016-MS1)

Source: 6F14003-08

Prepared & Analyzed: 06/20/16

| | | | | | | | | | | |
|----------|-----|------|-----------|-----|------|------|--------|--|--|--|
| Chloride | 187 | 1.04 | mg/kg dry | 208 | 15.4 | 82.6 | 80-120 | | | |
|----------|-----|------|-----------|-----|------|------|--------|--|--|--|

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/7/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Endurance Fed 25 SWD #2

Project Number: [none]

Location: T26S R33E Sec 25 Unit E, Lea County NM

Lab Order Number: 6F30005



NELAP/TCEQ # T104704156-13-3

Report Date: 07/12/16

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|------------------|
| DP-1 (4') | 6F30005-01 | Soil | 06/22/16 09:10 | 06-30-2016 13:00 |
| DP-1 (5') | 6F30005-02 | Soil | 06/22/16 09:30 | 06-30-2016 13:00 |
| DP-1 (6') | 6F30005-03 | Soil | 06/22/16 09:45 | 06-30-2016 13:00 |
| DP-1 (7') | 6F30005-04 | Soil | 06/22/16 09:55 | 06-30-2016 13:00 |
| DP-1 (8') | 6F30005-05 | Soil | 06/22/16 10:05 | 06-30-2016 13:00 |
| DP-1 (10') | 6F30005-06 | Soil | 06/22/16 10:45 | 06-30-2016 13:00 |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (4')
6F30005-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 2560 | 27.2 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 |
| % Moisture | 8.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (5')
6F30005-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 3260 | 27.5 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 | |
| % Moisture | 9.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (6')
6F30005-03 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|
| Chloride | 3740 | 28.1 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 |
| % Moisture | 11.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (7')
6F30005-04 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 6700 | 29.8 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 | |
| % Moisture | 16.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (8')
6F30005-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 5860 | 27.5 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 | |
| % Moisture | 9.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

DP-1 (10')
6F30005-06 (Soil)

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

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

| | | | | | | | | | |
|-------------------|-------------|------|-----------|----|---------|----------|----------|---------------|--|
| Chloride | 206 | 27.8 | mg/kg dry | 25 | P6G0803 | 07/08/16 | 07/08/16 | EPA 300.0 | |
| % Moisture | 10.0 | 0.1 | % | 1 | P6G0101 | 07/01/16 | 07/01/16 | % calculation | |

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

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

Batch P6G0101 - * DEFAULT PREP *****

Blank (P6G0101-BLK1)

Prepared & Analyzed: 07/01/16

% Moisture ND 0.1 %

Duplicate (P6G0101-DUP1)

Source: 6F30005-01

Prepared & Analyzed: 07/01/16

% Moisture 8.0 0.1 % 8.0 0.00 20

Duplicate (P6G0101-DUP2)

Source: 6F30005-06

Prepared & Analyzed: 07/01/16

% Moisture 9.0 0.1 % 10.0 10.5 20

Batch P6G0803 - * DEFAULT PREP *****

Blank (P6G0803-BLK1)

Prepared & Analyzed: 07/08/16

Chloride ND 1.00 mg/kg wet

LCS (P6G0803-BS1)

Prepared & Analyzed: 07/08/16

Chloride 177 1.00 mg/kg wet 200 88.5 80-120

LCS Dup (P6G0803-BSD1)

Prepared & Analyzed: 07/08/16

Chloride 177 1.00 mg/kg wet 200 88.3 80-120 0.170 20

Duplicate (P6G0803-DUP1)

Source: 6G07002-01

Prepared & Analyzed: 07/08/16

Chloride 25500 56.2 mg/kg dry 24100 5.77 20

Duplicate (P6G0803-DUP2)

Source: 6F30005-06

Prepared & Analyzed: 07/08/16

Chloride 203 27.8 mg/kg dry 206 1.22 20

Matrix Spike (P6G0803-MS1)

Source: 6G07002-01

Prepared & Analyzed: 07/08/16

Chloride 34300 56.2 mg/kg dry 8990 24100 114 80-120

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Endurance Fed 25 SWD #2
Project Number: [none]
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 7/12/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy, Midland, Texas 79701
Phone: 432-661-4184

Page 1 of 1

Report Format: ☒ Standard ☐ TRRP ☐ NPDES
LAB Work Order ID # WF30005

Company Name: Trident Environmental

Project Manager: Gil Van Deventer / Trident Environmental

Address: (Street, City, Zip) PO Box 12177, Odessa TX 79768

Phone #: (432) 638-8740 (413) 403-9968

Fax #: (413) 403-9968

Client: Energi Insurance Services, Inc.

Project #: V-254

Sampler Signature:

Analyze For:

| WORK ORDER # | FIELD CODE | (G)rab or (C)omp | Sample Depth | Date Sampled | Time Sampled (24 hr) | Field Filtered | No. of Containers | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | NaOH/ZnAc | None | DW=Drinking Water SL=Sludge | GW=Groundwater S=Soil/Solid | NP=Non-Potable Specify Other | TPH by TX 1005 8015B 8015M | BTEX by 8021B | Chloride | Rush 24: 48 72 (Please call) | Standard |
|--------------|------------|------------------|--------------|--------------|----------------------|----------------|-------------------|-----|------------------|-----|--------------------------------|------|-----------------------------------------------|-----------|------|-----------------------------|-----------------------------|------------------------------|----------------------------|---------------|----------|------------------------------|----------|
| 1 | DP-1 (4') | G | 4' | 06/02/16 | 0910 | N | 1 | | | | | | | | | | | | | | | | X |
| 2 | DP-1 (5') | G | 5' | 06/22/16 | 0930 | N | 1 | | | | | | | | | | | | | | | | X |
| 3 | DP-1 (6') | G | 6' | 06/22/16 | 0945 | N | 1 | | | | | | | | | | | | | | | | X |
| 4 | DP-1 (7') | G | 7' | 06/22/16 | 0955 | N | 1 | | | | | | | | | | | | | | | | X |
| 5 | DP-1 (8') | G | 8' | 06/22/16 | 1005 | N | 1 | | | | | | | | | | | | | | | | X |
| 6 | DP-1 (10') | G | 10' | 06/22/16 | 1045 | N | 1 | | | | | | | | | | | | | | | | X |

| | | | | | | | |
|-------------------------------------|----------------------|----------------------|--------------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Relinquished by: <u>[Signature]</u> | Date: <u>6/20/16</u> | Time: <u>1:00 PM</u> | Received by: | Date: | Time: | Laboratory Comments: | Special Instructions: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Sample Containers Intact? <input type="checkbox"/> Y <input type="checkbox"/> N | Please email lab report to: gil@trident-environmental.com |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | VOCs Free of Headspace? <input type="checkbox"/> Y <input type="checkbox"/> N | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Labels on Container(s)? <input type="checkbox"/> Y <input type="checkbox"/> N | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Custody Seals on Container(s)? <input type="checkbox"/> Y <input type="checkbox"/> N | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Custody Seals on Cooler(s)? <input type="checkbox"/> Y <input type="checkbox"/> N | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Sample Delivery: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> DHL <input type="checkbox"/> Lone Star | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | Temperature Upon Receipt: <input type="checkbox"/> °C <input type="checkbox"/> °F | |

ATTACHMENT D

Form C-138

Non-hazardous Waste Manifests

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

Energy Minerals and Natural Resources

Form C-158
Revised August 1, 2011

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

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1. Generator Name and Address: <i>E06 Resources, 5509 Champions Dr., Midland, TX 79705</i> | |
| 2. Originating Site: <i>Endurance 25 Fed. SWD #2</i> | |
| 3. Location of Material (Street Address, City, State or ULSTR): <i>Unit E, Sec 25, T26S, R33E</i> | |
| 4. Source and Description of Waste: <i>Produced water impacted soils</i> | |
| Estimated Volume <i>3,000</i> yd ³ / bbls | Known Volume (to be entered by the operator at the end of the haul) <i>980 tons, ~1,000 yd³ / bbls</i> |
| 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <i>Zane Kertz, Jr.</i> , representative or authorized agent for <i>E06 Resources, Inc.</i> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Disposal Frequency: <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load</i> <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) | |
| GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. | |
| 5. Transporter: <i>SDR Enterprises, LLC</i> | |

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: *Lea Land, LLC, Permit # WM-1-035*

Address of Facility: *mm 64, HWY 62/180 EAST, Carlsbad, NM 88220*

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☐ Landfarm ☒ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: *Sarahlyn Hall* TITLE: *mks. Manager* DATE: *6/6/16*
SIGNATURE: *Danely Hall* TELEPHONE NO.: *405-579-1187*
Surface Waste Management Facility Authorized Agent

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114693**

1. PAGE OF

2. TRAILER NO.

G
E
N
E
R
A
T
O
R

3. COMPANY NAME

PHONE NO.

4. ADDRESS

CITY

STATE

ZIP

5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a.

b.

c.

d. 27400 40760

8. CONTAINERS
No. Type

9. TOTAL
QUANTITY

10. UNIT
Wt/Vol.

11. TEXAS
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO.

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

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16. **TRANSPORTER (1)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D
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T
A
L
Y

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114694**

1. PAGE ___ OF ___

2. TRAILER NO. **477**

| | | | | | | |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|
| G E N E R A T O R | 3. COMPANY NAME PHONE NO. | 4. ADDRESS CITY STATE ZIP | 5. PICK-UP DATE | | 6. TNRCC I.D. NO. | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # |
| | a. | | | | | |
| | b. | | | | | |
| T R A N S P O R T E R S | c. | | | | | |
| | d. 4530 4100 | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | 13. WASTE PROFILE NO. | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME PHONE NO. 24-HOUR EMERGENCY NO. | | | | | |
| D I S P O S I T A T I O N | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | |
| | PRINTED/TYPED NAME | | | SIGNATURE DATE | | |
| | 16. TRANSPORTER (1) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: | | | 17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE [Signature] DATE | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE | | |
| D I S P O S I T A T I O N | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | PHONE: 575-887-4048 | |
| | PERMIT NO. WM-01-035 - New Mexico | | 20. COMMENTS | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | |
| | AUTHORIZED SIGNATURE [Signature] | | CELL NO. | DATE | TIME 10:00 | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO 114707

1. PAGE ___ OF ___

2. TRAILER NO. 116

| | | | | | | | | |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------|---------------------------|-----------------------|---------------------|-------------------------|------|
| G E N E R A T O R | 3. COMPANY NAME | 4. ADDRESS | | 5. PICK-UP DATE | | | | |
| | PHONE NO. | CITY | STATE | ZIP | 6. TNRCC I.D. NO. | | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # | |
| | a. | | | | | | | |
| | b. | | | | | | | |
| T R A N S P O R T E R S | c. | | | | | | | |
| | d. | | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | 13. WASTE PROFILE NO. | | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | | |
| | NAME | | PHONE NO | | 24-HOUR EMERGENCY NO. | | | |
| D I S P O S I T A T I O N | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | | |
| | PRINTED/TYPED NAME | | | SIGNATURE | | | | DATE |
| | 16. TRANSPORTER (1) | | | 17. TRANSPORTER (2) | | | | |
| | NAME: | | | NAME: | | | | |
| | TEXAS I.D. NO. | | | TEXAS I.D. NO. | | | | |
| IN CASE OF EMERGENCY CONTACT: | | | IN CASE OF EMERGENCY CONTACT: | | | | | |
| EMERGENCY PHONE: | | | EMERGENCY PHONE: | | | | | |
| 18. TRANSPORTER (1): Acknowledgment of receipt of material | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | | | |
| PRINTED/TYPED NAME | | | PRINTED/TYPED NAME | | | | | |
| SIGNATURE | | | SIGNATURE | | | | | |
| DATE | | | DATE | | | | | |
| D I S P O S I T A T I O N | Lea Land, LLC | | ADDRESS: | | PHONE: | | | |
| | | | Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | 575-887-4048 | | | |
| | PERMIT NO. | | 20. COMMENTS | | | | | |
| | WM-01-035 - New Mexico | | | | | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | | |
| A U T H O R I Z E D | AUTHORIZED SIGNATURE | | | CELL NO. | DATE | TIME | | |
| | | | | | | | | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114711**

1. PAGE ___ OF ___

2. TRAILER NO. _____

| | | | | | | | | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|----------------|-------------------------------------------------------------------|-----------------------------|---------------------|-------------------------|
| GENERATOR | 3. COMPANY NAME PHONE NO. _____ | | 4. ADDRESS CITY _____ STATE _____ ZIP _____ | | | 5. PICK-UP DATE _____ | | |
| | | | | | | 6. TNRCC I.D. NO. _____ | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # |
| | a. _____ | | | | | | | |
| | b. _____ | | | | | | | |
| | c. _____ | | | | | | | |
| | d. 1450 39 10 | | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | | 13. WASTE PROFILE NO. _____ | | |
| | | | | | | | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | | |
| TRANSPORTERS | NAME _____ | | PHONE NO. _____ | | 24-HOUR EMERGENCY NO. _____ | | | |
| | | | | | | | | |
| DISPOSAL | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | | |
| | PRINTED/TYPED NAME _____ | | | | SIGNATURE _____ DATE _____ | | | |
| DISPOSAL | 16. TRANSPORTER (1) | | | | 17. TRANSPORTER (2) | | | |
| | NAME: _____ | | | | NAME: _____ | | | |
| | TEXAS I.D. NO. _____ | | | | TEXAS I.D. NO. _____ | | | |
| | IN CASE OF EMERGENCY CONTACT: _____ | | | | IN CASE OF EMERGENCY CONTACT: _____ | | | |
| DISPOSAL | EMERGENCY PHONE: _____ | | | | EMERGENCY PHONE: _____ | | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | |
| | PRINTED/TYPED NAME _____ | | | | PRINTED/TYPED NAME _____ | | | |
| | SIGNATURE _____ DATE _____ | | | | SIGNATURE _____ DATE _____ | | | |
| DISPOSAL | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | | PHONE: 575-887-4048 | | |
| | PERMIT NO. WM-01-035 - New Mexico | | | 20. COMMENTS | | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | | |
| | AUTHORIZED SIGNATURE _____ | | | CELL NO. _____ | | DATE _____ | | TIME _____ |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

GENERATOR: COPIES 1 & 6

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

| | | | | | | | | | | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|---------------------|-------------------------|--|
| NON-HAZARDOUS WASTE MANIFEST | | | | NO | 114735 | 1. PAGE ___ OF ___ | 2. TRAILER NO. | | | |
| GENERATOR | 3. COMPANY NAME PHONE NO. | | 4. ADDRESS CITY STATE ZIP | | | 5. PICK-UP DATE 6. TNRCC I.D. NO. | | | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | | 8. CONTAINERS No. Type | | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # | |
| | a. | | | | | | | | | |
| | b. | | | | | | | | | |
| | c. | | | | | | | | | |
| | d. 40,200 44,040 | | | | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | | | 13. WASTE PROFILE NO. | | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | | | | |
| | NAME | | | PHONE NO | | | 24-HOUR EMERGENCY NO. | | | |
| | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | | | | |
| TRANSPORTERS | PRINTED/TYPED NAME | | | | SIGNATURE | | | | DATE | |
| | 16. TRANSPORTER (1) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: | | | | 17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: | | | | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE | | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE | | | | | |
| | | | | | | | | | | |
| DISPOSAL | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | | | PHONE: 575-887-4048 | | | |
| | PERMIT NO. WM-01-035 - New Mexico | | | | 20. COMMENTS | | | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | | | | |
| | AUTHORIZED SIGNATURE | | | | CELL NO. | | DATE | | TIME | |

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

| | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------|---------------------|-------------------------|
| NON-HAZARDOUS WASTE MANIFEST | | NO 114744 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1147 | | | |
| G E N E R A T O R | 3. COMPANY NAME | | 4. ADDRESS | | 5. PICK-UP DATE | | |
| | PHONE NO. | | CITY STATE ZIP | | 6. TNRCC I.D. NO. | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # |
| | a. | | | | | | |
| | b. | | | | | | |
| | c. | | | | | | |
| | d. | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | 13. WASTE PROFILE NO. | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | |
| | NAME | | PHONE NO | | 24-HOUR EMERGENCY NO. | | |
| 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | | |
| R | PRINTED/TYPED NAME | | | SIGNATURE | | DATE | |
| | | | | | | | |
| T R A N S P O R T E R S | 16. TRANSPORTER (1) | | | 17. TRANSPORTER (2) | | | |
| | NAME: | | | NAME: | | | |
| | TEXAS I.D. NO. | | | TEXAS I.D. NO. | | | |
| | IN CASE OF EMERGENCY CONTACT: | | | IN CASE OF EMERGENCY CONTACT: | | | |
| D I S P O S I T A L Y | EMERGENCY PHONE: | | | EMERGENCY PHONE: | | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | |
| | PRINTED/TYPED NAME | | | PRINTED/TYPED NAME | | | |
| | SIGNATURE DATE | | | SIGNATURE DATE | | | |
| D I S P O S I T A L Y | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | PHONE: 575-887-4048 | | |
| | PERMIT NO. WM-01-035 - New Mexico | | 20. COMMENTS | | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | |
| | AUTHORIZED SIGNATURE | | CELL NO. | DATE | TIME | | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114745**

1. PAGE ___ OF ___

2. TRAILER NO. _____

G
E
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E
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A
T
O
R

3. COMPANY NAME

PHONE NO.

4. ADDRESS

CITY

STATE

ZIP

5. PICK-UP DATE

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a.

b.

c.

d.

8. CONTAINERS

No.

Type

9. TOTAL

QUANTITY

10. UNIT

Wt/Vol.

11. TEXAS

WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

T
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16.

TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17.

TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D
I
S
P
O
S
I
T
Y

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

| | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|-------------------------------------------------------------------|---------------------------|--------------------------------|--------------------------|
| NON-HAZARDOUS WASTE MANIFEST | | | | NO | 114753 | 1. PAGE <u> </u> OF <u> </u> | 2. TRAILER NO. <u> </u> |
| G E N E R A T O R | 3. COMPANY NAME | | 4. ADDRESS | | | 5. PICK-UP DATE | |
| | PHONE NO. | | CITY STATE ZIP | | | 6. TNRCC I.D. NO. | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. |
| | a. | | | | | | |
| | b. | | | | | | |
| R E C E I V E R | c. | | | | | | |
| | d. | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | | 13. WASTE PROFILE NO. | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | |
| | NAME | | PHONE NO | | 24-HOUR EMERGENCY NO. | | |
| T R A N S P O R T E R S | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | |
| | PRINTED/TYPED NAME | | | SIGNATURE | | | DATE |
| | 16. TRANSPORTER (1) | | | 17. TRANSPORTER (2) | | | |
| | NAME: | | | NAME: | | | |
| | TEXAS I.D. NO. | | | TEXAS I.D. NO. | | | |
| D I S P O S I T I O N A L F A C I L I T Y | IN CASE OF EMERGENCY CONTACT: | | | IN CASE OF EMERGENCY CONTACT: | | | |
| | EMERGENCY PHONE: | | | EMERGENCY PHONE: | | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | |
| | PRINTED/TYPED NAME | | | PRINTED/TYPED NAME | | | |
| | SIGNATURE | | | SIGNATURE | | | |
| DATE | | | DATE | | | | |
| 20. COMMENTS | | | | | | | |
| 21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | | |
| AUTHORIZED SIGNATURE | | | CELL NO. | | DATE | | TIME |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

| | | | | | | | |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|---------------------|-------------------------|
| NON-HAZARDOUS WASTE MANIFEST | | NO 114754 | 1. PAGE ___ OF ___ | 2. TRAILER NO. _____ | | | |
| G E N E R A T O R | 3. COMPANY NAME PHONE NO. _____ | | 4. ADDRESS CITY _____ STATE _____ ZIP _____ | | 5. PICK-UP DATE _____ | | |
| | | | | | 6. TNRCC I.D. NO. _____ | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # |
| | a. _____ | | | | | | |
| | b. _____ | | | | | | |
| | c. _____ | | | | | | |
| | d. 1150 204LD | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | 13. WASTE PROFILE NO. _____ | | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | |
| | NAME _____ | | PHONE NO. _____ | | 24-HOUR EMERGENCY NO. _____ | | |
| O R T E R S | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | |
| | PRINTED/TYPED NAME _____ | | SIGNATURE _____ DATE _____ | | | | |
| | 16. TRANSPORTER (1) | | 17. TRANSPORTER (2) | | | | |
| | NAME: _____ TEXAS I.D. NO. _____ IN CASE OF EMERGENCY CONTACT: _____ EMERGENCY PHONE: _____ | | NAME: _____ TEXAS I.D. NO. _____ IN CASE OF EMERGENCY CONTACT: _____ EMERGENCY PHONE: _____ | | | | |
| D I S P O S I T O R Y | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | | |
| | PRINTED/TYPED NAME Isidro Garcia N. | | PRINTED/TYPED NAME _____ | | | | |
| | SIGNATURE Isidro Garcia N. DATE _____ | | SIGNATURE _____ DATE _____ | | | | |
| | | | | | | | |
| D I S P O S I T O R Y | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | PHONE: 575-887-4048 | | |
| | PERMIT NO. WM-01-035 - New Mexico | | 20. COMMENTS | | | | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | |
| | AUTHORIZED SIGNATURE _____ | | CELL NO. _____ | DATE _____ | TIME _____ | | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114777**

1. PAGE OF

2. TRAILER NO. 0001

| | | | | |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
| G E N E R A T O R | 3. COMPANY NAME PHONE NO. <u> </u> | 4. ADDRESS CITY <u> </u> STATE <u> </u> ZIP <u> </u> | 5. PICK-UP DATE <u> </u> | |
| | | | 6. TNRCC I.D. NO. <u> </u> | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. |
| | a. <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | b. <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| R E C E I V E R | c. <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | d. <u>41,200 43,420</u> | <u> </u> | <u> </u> | <u> </u> |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: <u> </u> | | 13. WASTE PROFILE NO. <u> </u> | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | |
| | NAME <u> </u> PHONE NO. <u> </u> | | 24-HOUR EMERGENCY NO. <u> </u> | |
| T R A N S P O R T E R S | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | |
| | PRINTED/TYPED NAME <u> </u> | | SIGNATURE <u> </u> DATE <u> </u> | |
| | 16. TRANSPORTER (1) | | 17. TRANSPORTER (2) | |
| | NAME: <u> </u> | | NAME: <u> </u> | |
| | TEXAS I.D. NO. <u> </u> | | TEXAS I.D. NO. <u> </u> | |
| D I S P O S I T O R Y | IN CASE OF EMERGENCY CONTACT: | | IN CASE OF EMERGENCY CONTACT: | |
| | EMERGENCY PHONE: <u> </u> | | EMERGENCY PHONE: <u> </u> | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | |
| | PRINTED/TYPED NAME <u> </u> | | PRINTED/TYPED NAME <u> </u> | |
| | SIGNATURE <u> </u> DATE <u> </u> | | SIGNATURE <u> </u> DATE <u> </u> | |
| D I S P O S I T O R Y | Lea Land, LLC | | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | |
| | PHONE: 575-887-4048 | | | |
| | PERMIT NO. WM-01-035 - New Mexico | | 20. COMMENTS <u> </u> | |
| | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | |
| D I S P O S I T O R Y | AUTHORIZED SIGNATURE <u> </u> | | CELL NO. <u> </u> | DATE <u> </u> |
| | TIME <u> </u> | | | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO **114778**

1. PAGE ___ OF ___

2. TRAILER NO.

| | | | | | | | | | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------|-------|-------------------------------------------------------------------|-----------------------|---------------------|-------------------------|------|
| GENERATOR'S E N E R A T O R | 3. COMPANY NAME | | 4. ADDRESS | | | 5. PICK-UP DATE | | | |
| | PHONE NO. | | CITY | STATE | ZIP | 6. TNRCC I.D. NO. | | | |
| | 7. NAME OR DESCRIPTION OF WASTE SHIPPED: | | | | 8. CONTAINERS No. Type | 9. TOTAL QUANTITY | 10. UNIT Wt/Vol. | 11. TEXAS WASTE ID # | |
| | a. | | | | | | | | |
| | b. | | | | | | | | |
| | c. | | | | | | | | |
| | d. 81000 16960 | | | | | | | | |
| | 12. COMMENTS OR SPECIAL INSTRUCTIONS: | | | | | 13. WASTE PROFILE NO. | | | |
| | 14. IN CASE OF EMERGENCY OR SPILL, CONTACT | | | | | | | | |
| | NAME | | PHONE NO. | | | 24-HOUR EMERGENCY NO. | | | |
| TRANSPORTER'S | 15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC | | | | | | | | |
| | PRINTED/TYPED NAME | | | | SIGNATURE | | | | DATE |
| | 16. TRANSPORTER (1) | | | | 17. TRANSPORTER (2) | | | | |
| | NAME: | | | | NAME: | | | | |
| DISPOSAL S I T E | TEXAS I.D. NO. | | | | TEXAS I.D. NO. | | | | |
| | IN CASE OF EMERGENCY CONTACT: | | | | IN CASE OF EMERGENCY CONTACT: | | | | |
| | EMERGENCY PHONE: | | | | EMERGENCY PHONE: | | | | |
| | 18. TRANSPORTER (1): Acknowledgment of receipt of material | | | | 19. TRANSPORTER (2): Acknowledgment of receipt of material | | | | |
| FACILITY | PRINTED/TYPED NAME Isadora Garcia N | | | | PRINTED/TYPED NAME | | | | |
| | SIGNATURE Isadora Garcia N | | | | SIGNATURE | | | | |
| | DATE | | | | DATE | | | | |
| | 10. COMMENTS | | | | | | | | |
| LEA LAND, LLC | Lea Land, LLC | | ADDRESS: | | | PHONE: | | | |
| | | | Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | | | 575-887-4048 | | | |
| | PERMIT NO. WM-01-035 - New Mexico | | | | | | | | |
| SITING | 21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes. | | | | | | | | |
| | AUTHORIZED SIGNATURE | | | | CELL NO. | DATE | TIME | | |

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 4

ATTACHMENT E

Photographic Documentation



DP-1 area at release source (loading valve) excavated to depth of 8' bgs.



DP-1 area at release source (loading valve) backfilled to depth of 4' bgs with 20-mil reinforced liner.



DP-3 area behind southeast corner of tank battery excavated to depth of 8' bgs.



Stockpiles of excavated soil as of 6/9/16.



DP-5 area excavated to depth of 8' bgs (facing north).



DP-6 area excavated to 8' bgs (facing south on 6/14/16).



DP-5 and DP-6 areas backfilled to 4' bgs with 20-mil reinforced liner and backfilling activities (facing south).



DP-7 area excavated and backfilled to 4' bgs prior to liner installation (facing south).



DP-8 area excavated and then backfilled to depth of 4' bgs with 20-mil reinforced liner (facing SW on 6/10/16).



DP-9 area excavated and then backfilled to depth of 4' bgs with 20-mil reinforced liner (facing NW on 6/10/16).



Loading belly dump with ~20 yd³ of chloride-impacted soil for disposal at Lea Land landfill.



Unloading topsoil obtained from Lea Land LLC facility.



View facing north showing stockpiles of excavated chloride-impacted soil on 6/13/16.



Wide angle view facing northwest showing various activities on 6/14/16.



View of DP-5, DP-6, DP-7, DP-8, and DP-9 areas facing northwest on 6/23/16 showing final topsoil cover.



Clean topsoil imported from Lea Land LLC

Bamert Seed Company Inc.
1897 CR 1018 Muleshoe, TX 79347 (800) 262-9892 Permit # TX00905
BLM # 2 400 pounds in 25# bags INV59222

| Description | Pure Seed | Germ | Dormant | Hard Seed | Origin |
|-------------------------------------------------|----------------------|------------------------|------------------|-----------|--------|
| Bristlegrass Plains, "VNS" (Setaria vulpiseta) | 40.74% | 1.00% | 89.00% | 0.00% | TX |
| Dropseed, "Sand" "VNS" (Sporobolus cryptandrus) | 19.46% | 94.00% | 0.00% | 0.00% | CO |
| Lovegrass Sand, "Bend" (Eragrostis trichodes) | 19.34% | 31.00% | 64.00% | 0.00% | TX |
| Purity: 79.54% | Inert Matter: 19.67% | Other Crop Seed: 0.03% | Weed Seed: 0.78% | | |

Bamert Seed Company Inc.
1897 CR 1018 Muleshoe, TX 79347 (800) 262-9892 Permit # TX00905
BLM # 1 INV56649

| Description | Pure Seed | Germ | Dormant | Hard Seed | Origin |
|--------------------------------------------------|----------------------|------------------------|------------------|-----------|--------|
| Dropseed, "Sand" "VNS" (Sporobolus cryptandrus) | 10.37% | 15.00% | 81.00% | 0.00% | TX |
| Gramma, Sidecoats "VNS" (Bouteloua curtipendula) | 55.75% | 89.00% | 0.00% | 0.00% | TX |
| Lovegrass Sand, "Bend" (Eragrostis trichodes) | 5.14% | 15.00% | 82.00% | 0.00% | TX |
| Purity: 71.26% | Inert Matter: 27.75% | Other Crop Seed: 0.02% | Weed Seed: 0.98% | | |

Composition of seed broadcasted on site.



Tools used to broadcast and rake seeds into topsoil.



View of topsoil over DP-5 area after seed broadcasting and raking (8/2/16).



View of raking broadcast seed in area DP-6 (8/2/16).



View facing northwest showing whole area where seed was broadcasted and raked (8/2/16).