



February 17, 2023

Bradford Billings
Hydrologist/E.Spec.A
District 2 Artesia
1220 South St. Francis Drive
Oil Conservation Division
Santa Fe, NM 87505

**Re: Revised Closure Report
ConocoPhillips
Heritage Concho
SRO SWD #101 Illegal Dump Release
Unit Letter M, Section 4, Township 26 South, Range 28 East
Eddy County, New Mexico
Incident ID# nAB1523932511
2RP-3223**

Mr. Billings,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to evaluate an incident which is included in an Agreed Compliance Order-Releases (ACO-R) between COG Operating LLC (Concho) and the State of New Mexico Oil Conservation Division (NMOCD) signed on November 20 and 26, 2018, respectively.

This release incident is identified as the SRO SWD #101 Illegal Dump Release (associated API No. 30-015-26105). The SRO SWD #101 is located approximately 3,800 feet northwest of the reported release footprint. The circumstances surrounding the release, reporting, and the subsequent remedial actions performed were evaluated as part of this report. The reported release footprint is located in Public Land Survey System (PLSS) Unit Letter M, Section 4, Township 26 South, Range 28 East, in Eddy County, New Mexico (Site). The approximate release point is located at coordinates 32.064890°, -104.100022°, as shown on Figures 1 and 2.

BACKGROUND

According to the NMOCD C-141 Initial Report, the release was discovered on July 20, 2015. The C-141 reports that the date of the release was unclear. The C-141 notes that Concho received notification of a spill near Concho flowlines. According to the C-141, the release site was dry when discovered. Following an investigation, Concho determined that the release most likely occurred from an illegal dump. The release area site is located off of a busy oil field road.

Volumes associated with the release were unknown. The NMOCD approved the initial C-141 on August 25, 2015, and subsequently assigned the release the Incident ID nAB1523932511 and the Remediation Permit (RP) number 2RP-3223. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated

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municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately ½ mile (800 meters) of the site. According to data from one (1) water well listed in the NMOSE database within a radius of approximately 2 miles (3,600 meters) of the Site, the minimum depth to groundwater is 90 feet below ground surface (bgs).

REVISED SITE CHARACTERIZATION

As described in following sections of the report, NMOCD previously rejected a closure request based upon a depth to water determination. To comply with the NMOCD directive presented in the March 7, 2022 rejection, a licensed well drilling subcontractor was onsite on March 15, 2022 to drill a groundwater determination borehole (DTW-1) to 55 feet bgs at the southeastern edge of the SRO 5 State Central Tank Battery (CTB) lease pad, located approximately ½ mile north of the release Site. The borehole location is indicated on Figure 3. The borehole was temporarily set and screened using 2-inch PVC well materials: 20 feet of blank casing and 35 feet of 0.010" slotted screen. The borehole was left for 72 hours and checked for the presence of groundwater. The borehole was dry upon drilling, and no water was present in the well after 72 hours. The well screen and casing were removed, and the borehole was plugged with 3/8-inch bentonite chips. The site characterization data, boring log, and temporary well diagram are presented in Appendix B.

REGULATORY FRAMEWORK

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

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

Constituent	Site RRALs
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

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

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH	100 mg/kg

RELEASE REPORTING

It appears that the first notice of the 2RP-3223/nAB1523932511 release was provided by Ian Dolly of the NMSLO on July 17, 2015, and he reported it via email to Mike Bratcher and Heather Patterson of the NMOCD. He states via Email: "Mike and Heather, it looks like a line break resulted in a PW release in Section 4, T26S-R28E. I followed the line back to the COG SRO State Unit #1H. Attached is a spill report."

Mr. Dolly's spill report provided photos from the release site and provided GPS coordinates; however, the coordinates do not match those from this 2RP-3223 release. The report is included with the regulatory

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correspondence in Appendix C. The report stated that the release originated from a poly pipeline connected to the SRO State Unit #1H, which is located due north of the reported 2RP-3223 release extent. Ms. Patterson then contacted Amanda Trujillo, COG Senior Environmental Coordinator, via email on July 20, 2015. Ms. Patterson asks: *"Ian Dolly with SLO brought this to our attention and I don't see that the OCD ever got a spill report. Can you look into this for me?"*

Ms. Trujillo responds and states: *"I was in the neighborhood so I stopped by the SRO State Unit #1. Unfortunately, I was unable to locate the area mentioned in the report. Photo Point 4 indicates the release is to the north side of the berm, however a new pad is located to the north of the berm. It was constructed sometime in January, attached is a picture. Also, the GPS points given in Photo Point 3 takes you to a pasture off the Hagerman Cutoff. I don't mind looking into it further but I will need GPS points and/or driving directions."* Mr. Dolly responds via email and states: *"I visited the site yesterday and confirmed the line is indeed a Concho SWD line. The poly line is marked 'SRO 45&65->101(SWD)'. The line is still leaking from what appears to be a valve and judging from the scar on the land, it has been leaking for quite some time. If you could address this issue ASAP I'd appreciate it. I've attached pics from yesterday."* From review of the photographs provided by Mr. Dolly on July 22, 2015, it appears that there may have been a small leak on the flowline, but that small leak does not appear to be responsible for the staining observed in Mr. Dolly's photos. It is possible that Mr. Dolly may have inaccurately associated the previously remediated area from an older incident (2RP-1061/NMLB1208056604) with this newer incident. The 2RP-1061/NMLB1208056604 incident is discussed in further detail in the following section.

Ms. Trujillo responded that: *"We will look into this matter as soon as possible."* On August 5, 2015, Mr. Dolly again inquired on the status. Ms. Trujillo responded and stated: *"After speaking with field personal it was determined the impacted area was most likely caused by an illegal dump. Given its proximity to our lines we will address the release. We had the small leak in our line repaired. I spoke with Heather about the incident and will be filing a C-141 with them. If you have any additional questions or concerns please feel free to contact me."* The initial C-141 was then submitted on August 25, 2015. Copies of all associated regulatory correspondence is found in Appendix C.

The initial release extent indicated in Figure 4 was provided by Concho representatives. After reviewing all emails and photographic documentation provided by NMOCD and SLO representatives, the approximate release extent of this incident was revised as shown in Figure 4.

COINCIDENT FOOTPRINT

The release footprint initially identified by Concho for the 2RP-3223 incident roughly coincides with a previous release and remediation outline from an earlier Concho incident (2RP-1061/NMLB1208056604). Regarding that incident, the State of New Mexico C-141 Initial Report indicates that the leak was discovered on February 24, 2012 and released approximately fifteen (15) barrels of produced water from a flow line. The C-141 was submitted to the NMOCD on March 9, 2012 and accepted on March 20, 2012. Remediation activities were conducted at the release site in 2012, Tetra Tech wrote a closure report for 2RP-1061, and the Final C-141 was approved on April 22, 2015. The incident is closed in the NMOCD imaging database. Bradford Billings also followed up with correspondence indicating the incident was closed. The approximate footprint from the remedial activities associated with the 2RP-1061/NMLB1208056604 incident is depicted on Figure 5.

INITIAL ASSESSMENT AND WORK PLAN

Following the C-141 notification, Concho performed an initial investigation of the reported release extent (the "Initial Release Extent" as shown on Figure 4 and Figure 5). On August 18, 2015, Concho was onsite to install four (4) soil borings (B1 through B4) within the release extent to a maximum total depth of 30 feet below ground surface (bgs) to assess the vertical impacts from the incident. Concho also installed one soil boring (BG) to a depth of 20 feet bgs in order to draw a background comparison of laboratory analytical results from samples associated with soil borings B1 through B4. A total of thirty-one (31) soil samples were collected from the five (5) borings and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chlorides via Standard Method 4500Cl-B. Soil samples collected on August 18, 2015 were not analyzed

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for BTEX or TPH. Table 1 provides a summary of the analytical results from the assessment. Boring locations from the initial assessment are depicted in Figure 5.

Analytical results associated with soil samples collected during the August 2015 assessment activities were elevated for chloride. A Work Plan based on the results of the assessment was submitted on September 22, 2015. Concho proposed a 3-foot excavation across the release area with backfill consistent with that of a capillary barrier. The Work Plan states: *"Crushed rock will be hauled in from an adjacent pit to form a 6" capillary break followed by 18" layer of caliche and 1' of top soil. The top soil will be backfilled to 6" above the normal grade in order to prevent any pooling of precipitation."* A copy of the Work Plan and the laboratory analytical report and chain-of-custody documentation are included in the OCD online incident files.

The Work Plan was approved on September 30, 2015, by Heather Patterson, with stipulations as follows: *"... Your proposed work plan for the above listed site is approved with one stipulation, please remove 4 feet of material before installing your capillary barrier. We would like to see more top soil to ensure plant growth. Keep in mind that a previous remediation was performed in this area, and at least part of it included a liner. See 2RP-1061 for details."*

After the NMOCD approval, Amber Groves, SLO Remediation Specialist, requested an update from Amanda Trujillo Davis, Concho Senior Environmental Coordinator on the release site on December 31, 2015. Ms. Trujillo Davis stated that Concho would *"... move ahead with our excavations and work plan in January."*

Ms. Groves visited the release Site in early 2016, and sent an email dated March 11, 2016 to Ms. Patterson stating that the Site appears ripped, but there was no evidence of excavation. Ms. Patterson wrote Ms. Groves back to say that she spoke with Lupe Carrasco, Concho Environmental Coordinator, and Mr. Carrasco stated that *"...they already did the excavation and backfill, but they had packed it hard and the soil was wet at the time, so he had them rip it so it could be properly seeded. He also put up the berm to keep trucks from parking on it."* Copies of the regulatory correspondence are included in Appendix C.

CLOSURE REQUEST AND CONFIRMATION SAMPLING

Based on the remedial activities described by Lupe Carrasco, Concho Sr. Environmental Coordinator Robert Grubbs submitted a closure request report to the NMOCD dated March 21, 2016 (March 2016 Closure Request). In the March 2016 Closure Request, Concho stated the release *"had been excavated to a depth of 4 feet bgs and backfilled with approximately 2.5' of topsoil leaving the area slightly higher than surrounding grade. To reduce compaction, the remediated area was cross ripped against a contour of the land. A berm was built to detour traffic away from the remediation. The placement of the berm was chosen based on the existing Regency Right-of-Way."* The closure report provided manifest data for approximately 2,100 cubic yards of material to disposal. The March 2016 Closure Request is included in the OCD online incident files.

Heather Patterson, NMOCD, in an email to Mr. Grubbs dated March 22, 2016, inquired: *"Do you have pictures of the work done at this location? I'm especially interested in excavation and "after" pictures."* Mr. Carrasco responds: *"I have attached pictures of the completed work. I did have pictures of the excavation, but I have misplaced them. As per our conversation, all work was done as presented in the approved work plan. Due to compaction during backfill, the remediated area was cross ripped against the contour of the land and the berm was placed to detour traffic over the remediated area. The placement of the berm was chosen based on the existing Regency right of way. The area will be reseeded in June of 2016 with the BLM #3 seed mixture unless otherwise noted."*

On April 4, 2016, Amber Groves, NMSLO, emailed Ms. Patterson with a sample location map and handwritten notes dated March 17, 2016. It appears that Ms. Groves may have conducted field screening of two selected sample points near the release extent. Ms. Groves provided a Sampling Map with the two sample points and a polygon area denoted "disturbed area". Sample Point 1 appears to be in the interior of the "disturbed" area; however, Sample Point 2 appears to be outside the perimeter of the "disturbed" area. Based on the "disturbed" area provided by Ms. Groves, an approximate remedial extent was fabricated for

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the purposes of this report. The approximate surface area encompassed by this remedial extent is roughly 33,000 square feet of area. Based on the 4-foot excavation reported in the March 2016 Closure Request and the included manifest data, this area appears to be an overestimation of the actual remedial extent. Figure 6 depicts the NMSLO sampling locations and disturbed area interpreted as the remedial extent.

Based on online documentation, Ms. Patterson states in an email to Mr. Grubbs on April 4, 2016 that: *"The quality of the work done at this location has been brought under suspicion. In the absence of adequate photo documentation, the OCD would like to request confirmation samples. Samples should be taken at a minimum of two locations and at various depths (up to the four foot deep barrier). The OCD must be present at the time of sampling, and will be prepared to take split samples. We would like to schedule this event as soon as possible at a mutually convenient time."*

Although records are scarce, it appears that the confirmation sampling requested by NMOCD took place on April 15, 2016, when Concho and the NMOCD collected and split a total of four soil samples each from two locations at the Site. Additional analysis was completed for Sample ID S1-3' on May 2, 2016 to independently confirm the analytical result from the previous analysis. Table 2 provides a summary of the analytical results from the split sampling. The sampling locations are unknown based on the available correspondence, though they may correspond to the NMSLO sample locations presented in Figure 6. A copy of the laboratory analytical report and chain-of-custody documentation are included in the OCD online incident files.

On October 31, 2016, Mr. Grubbs emailed Ms. Patterson and Ms. Groves and stated that he had collected samples *"where Amber Groves had requested"*. Mr. Grubbs provided photographs of the trench locations, the analytical report, and an aerial image with the sampling points. Mr. Grubbs states that: *"Ms. Groves has told me that the analytical looks good."* Figure 7 depicts the 2016 confirmation sampling locations and approximate remedial extent. Table 3 provides a summary of the analytical results from the 2016 confirmation sampling. A copy of the laboratory analytical report and chain-of-custody documentation are included in the OCD online incident files. In an email response dated December 8, 2016, Ms. Patterson stated: *"The OCD should have been consulted before these samples were taken, and should have been present during the sampling. With that said, I need to know what COG is proposing to do at this time"*.

ADDITIONAL ASSESSMENT

Based on the correspondence regarding this incident between Concho and the NMOCD, Tetra Tech developed a Site assessment plan to delineate the release area horizontally and vertically on behalf of ConocoPhillips. A review of recent aerial imagery indicates that a pipeline right-of-way (ROW) has recently been installed on the western edge of the former release site.

On January 19, 2022, Tetra Tech conducted the assessment installing two (2) boreholes (BH-1 and BH-2) to 20 feet each using a truck-mounted drilling rig within the release interior and four (4) boreholes (AH-1 through AH-4) to two feet each using a hand auger around the perimeter of the release. Figure 8 depicts the release extent and the January soil boring locations. Borehole BH-1 appears to have been drilled within the aforementioned ROW. A total of twenty-three (23) samples were collected from the combined six (6) borings and submitted to Cardinal Laboratories in Hobbs, NM to be analyzed for chlorides via Standard Method 4500Cl-B, BTEX via EPA Method 8021B, and TPH via EPA Method 8015M. A copy of laboratory analytical report and chain-of-custody documentation are included in Appendix D.

Results from the January 2022 soil sampling assessment are summarized in Table 4. The analytical results associated with boring location BH-1 exceeded the reclamation requirement for chloride in the upper four feet. The analytical results associated with boring location BH-2 (in the remediated area) were below the reclamation requirements for TPH, BTEX and chloride in the upper four feet. The analytical data associated with intervals from BH-1 and BH-2 below four feet were below site RRALs for TPH, BTEX, and chloride. Analytical results associated with samples from AH-1 through AH-4 were below the reclamation requirements for the site. Based on the collected analytical data, the former release extent has been horizontally and vertically delineated.

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FEBRUARY 2022 CLOSURE REQUEST

A Release Characterization and Closure Request (February 2022 Closure Request) describing the initial and additional assessment activities and results was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD via the online fee portal on February 28, 2022. The Closure Request was rejected by Bradford Billings of the NMOCD via email on Monday March 7, 2022. Regulatory correspondence is included in Appendix C.

The reason for the rejection was as follows:

- *"Will need to make sure depth to water is greater than 51 feet at site to utilize soils data for closure, a boring would be most likely. With associated boring and DTW verification, resubmit request. You have 90 days from 3/7/22 to complete and re-submit."*

MARCH 2022 CLOSURE REQUEST

As mentioned above in the Revised Site Characterization, a depth to water determination was completed in March 2022. An additional Release Characterization and Closure Request (March 2022 Closure Request) describing the assessment activities and results and the site characterization was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD via the online fee portal on March 31, 2022. The March 2022 Closure Request was rejected by Jocelyn Harimon of the NMOCD via email on Tuesday August 8, 2022. Regulatory correspondence is included in Appendix C.

The reason for the rejection was as follows:

- *The application for closure is denied * Point BH-1 and the surrounding area must be remediated to reclamation standards 19.15.29.13 NMAC. * If remediation to reclamation standards is not possible, a deferral request relative to pipeline ROW must be submitted.*

ADDITIONAL REMEDIATION

Based on the rejection and the associated NMOCD conditions, ConocoPhillips elected to remediate the area surrounding BH-1 to meet reclamation requirements. From January 12 to January 17, 2023, Tetra Tech personnel were onsite to supervise the remediation activities at the Site, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Prior to confirmation sampling, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

In accordance with Subsection D of 19.15.29.12 NMAC, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of excavated area. A total of six (6) floor sample locations and six (6) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 9.

Collected confirmation samples to be submitted for analysis were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal Laboratories in Hobbs, New Mexico. The soil samples were analyzed for TPH (GRO, DRO, and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D.

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The work was largely performed in an ETC Texas Pipeline, LTD (ETC) ROW. As such, Tetra Tech followed ETC operating procedures during remedial work. The line was "daylighted" via hydrovac before excavation began. Mechanical excavation breaking ground within the ROW had a guard over any teeth on the excavating bucket (typically a steel bar welded over the teeth of the excavating bucket).

In accordance with comments provided by Ms. Harimon in the rejection email, confirmation laboratory analytical results were compared to reclamation standards within the upper 4 feet. All final confirmation soil samples (sidewall) were below the reclamation requirements for chloride, BTEX, and TPH. All final confirmation sample results from floor samples were below the previous established RRAL for the Site for soils below 4 feet bgs. The results of the January 2023 confirmation sampling events are summarized in Table 5.

All the excavated material was transported offsite for proper disposal. Approximately 200 cubic yards of material were transported to the R360 Red Bluff facility in Orla, TX. Photographs from the excavated areas prior to backfill are provided in Appendix E. Once confirmation sampling activities were completed and associated analytical results were below the reclamation requirements/RRALs, the excavated areas were backfilled with clean material to surface grade. The manifests read "Myox 5 State Com #022H" as that is an adjacent well site and R360 required a well name and API number to be associated with the waste tickets. Copies of the waste manifests are included in Appendix F.

CONCLUSION

Based on the findings of this evaluation and a review of associated correspondence; the results of the January 2022 site assessment and release delineation; the revised release characterization; and the additional remedial activities performed in the vicinity of BH-1, ConocoPhillips requests closure for this release incident.

The completed C-141 forms are enclosed in Appendix A. If you have any questions concerning the remedial activities conducted at the Site, please call me at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.



Samantha K. Abbott
Project Manager



Christian M, Llull, P.G.
Program Manager

cc:
Mr. Charles Beauvais, BU – ConocoPhillips

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LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Site Vicinity Map
- Figure 4 – Approximate Release Extent Map
- Figure 5 – Initial Release Assessment Map
- Figure 6 – NMSLO Map
- Figure 7 – 2016 Confirmation Sampling Map
- Figure 8 – Additional Site Assessment Map
- Figure 9 – 2023 Confirmation Sampling Map

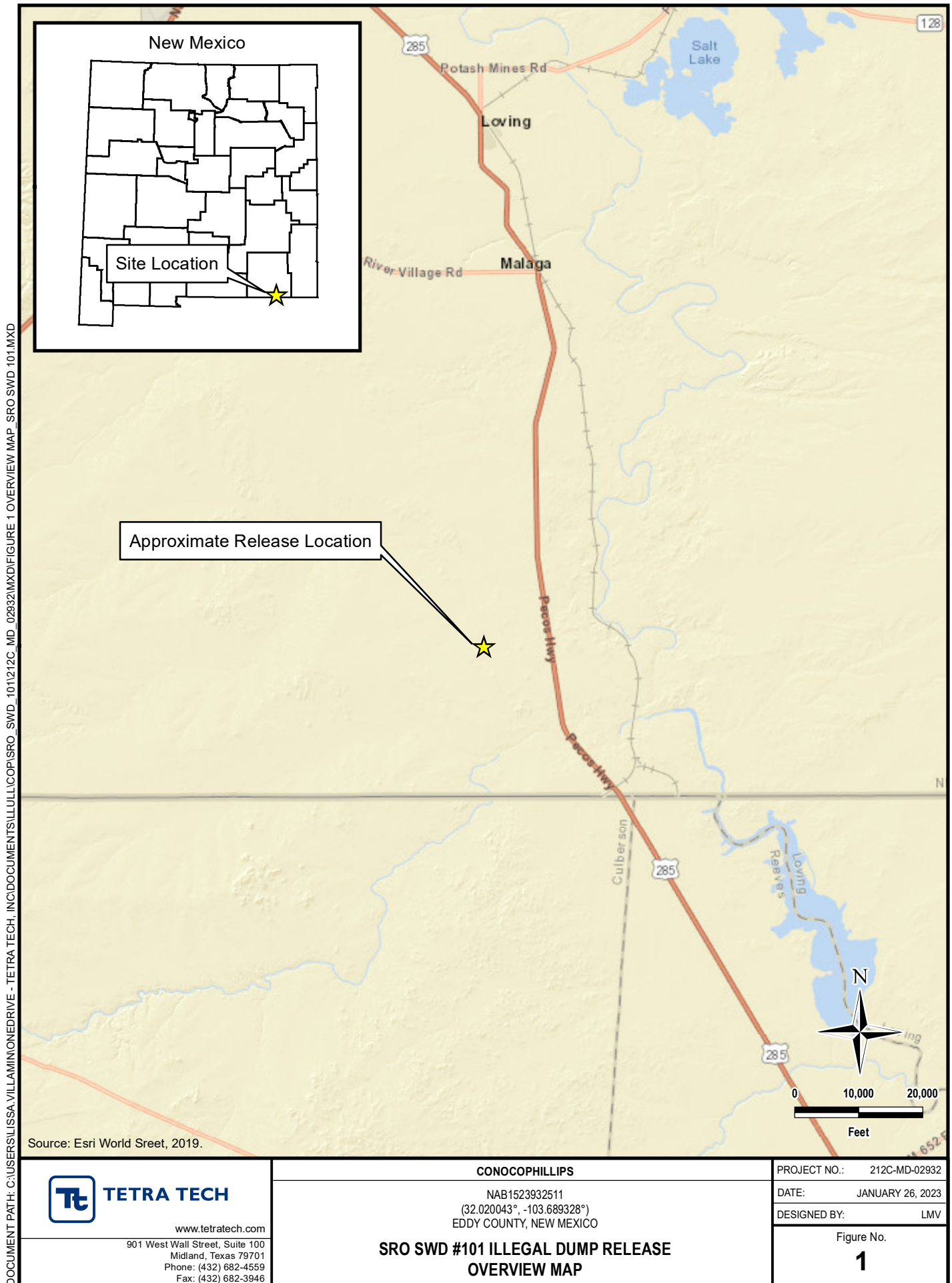
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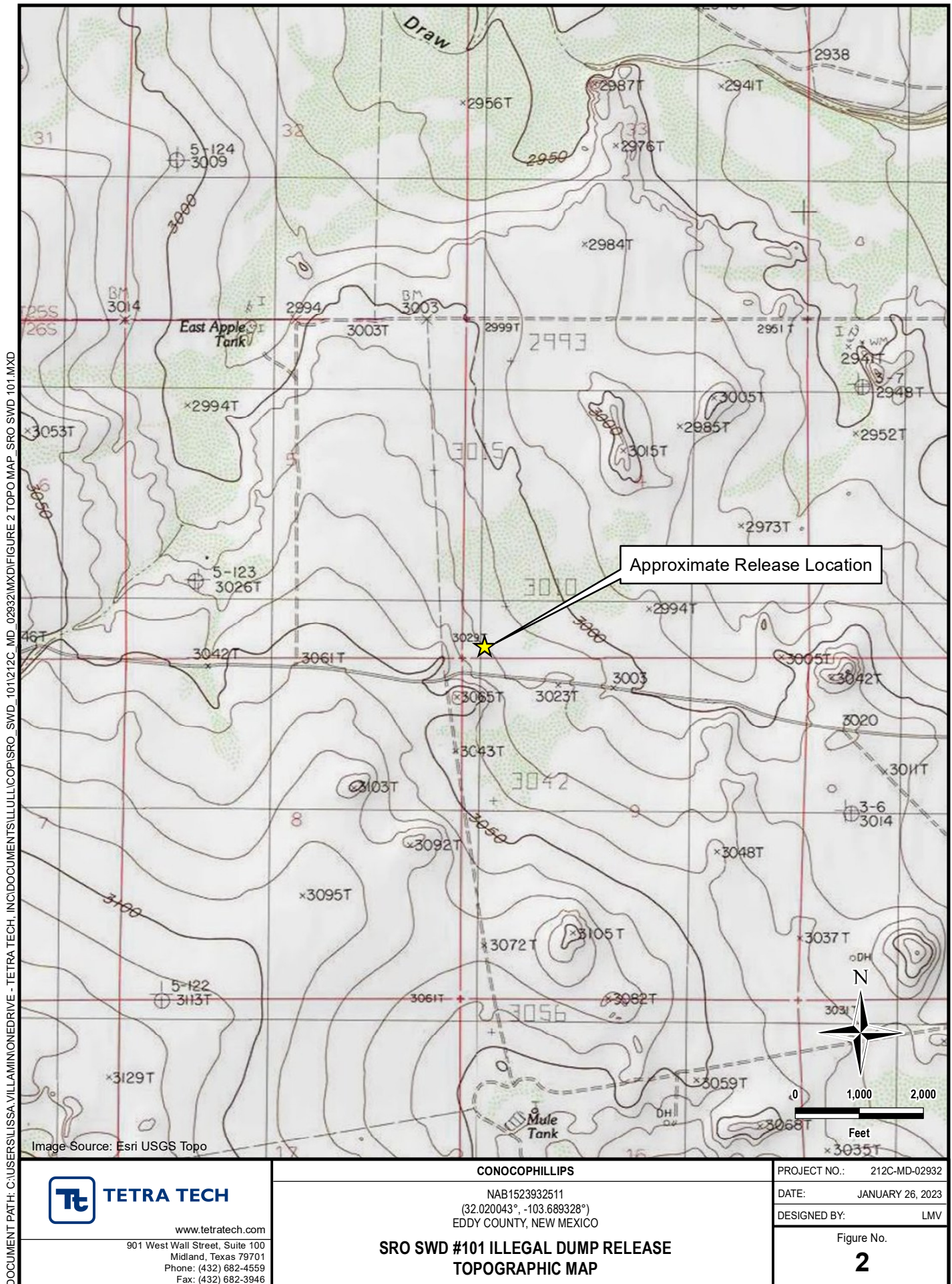
- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – NMOCD Split Sampling
- Table 3 – Summary of Analytical Results – 2016 Confirmation Sampling
- Table 4 – Summary of Analytical Results – Additional Soil Assessment
- Table 5 – Summary of Analytical Results – Confirmation Soil Remediation

Appendices:

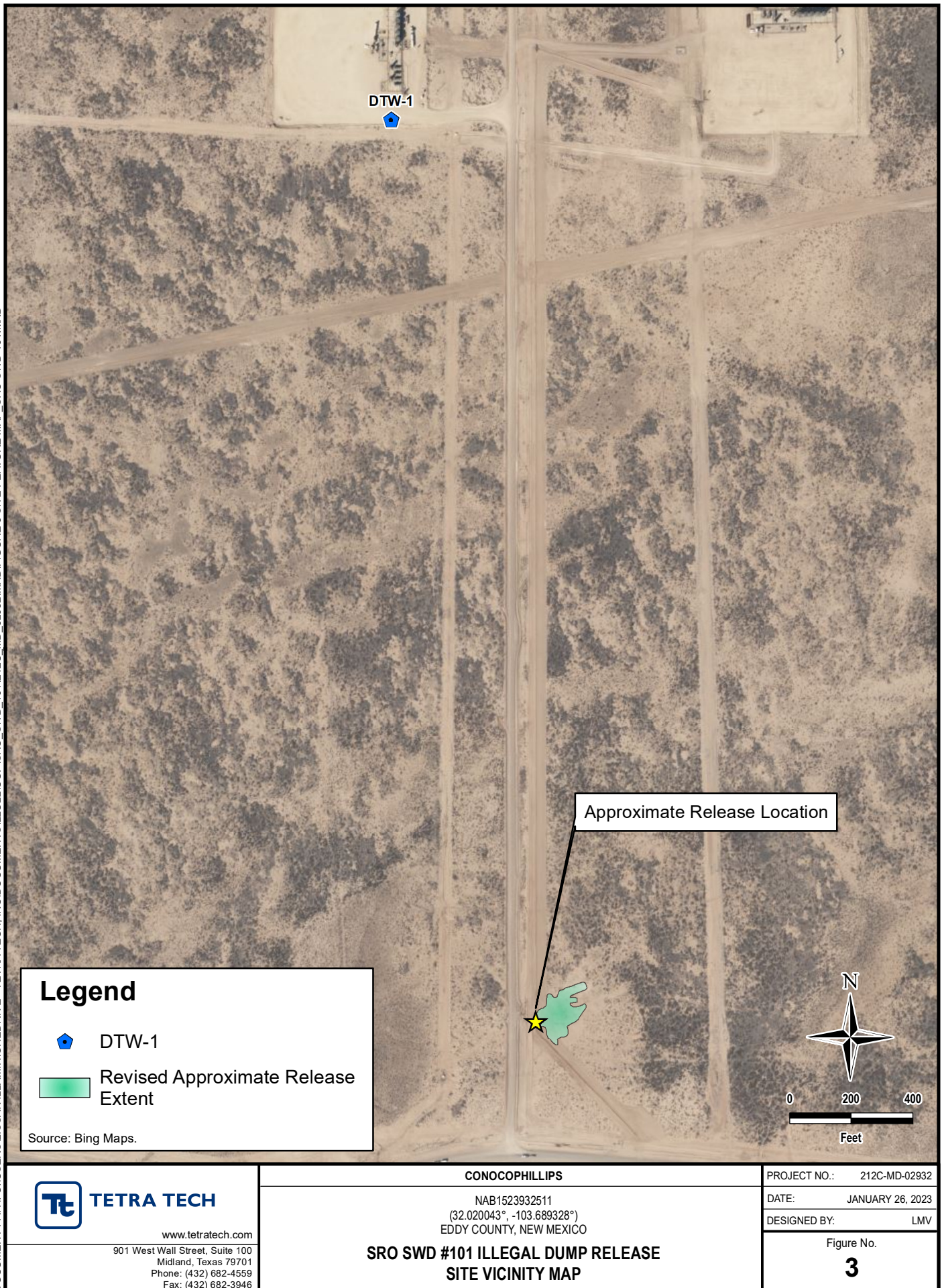
- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Regulatory Correspondence
- Appendix D – Laboratory Analytical Data
- Appendix E – Photographic Documentation
- Appendix F – Waste Manifests

FIGURES

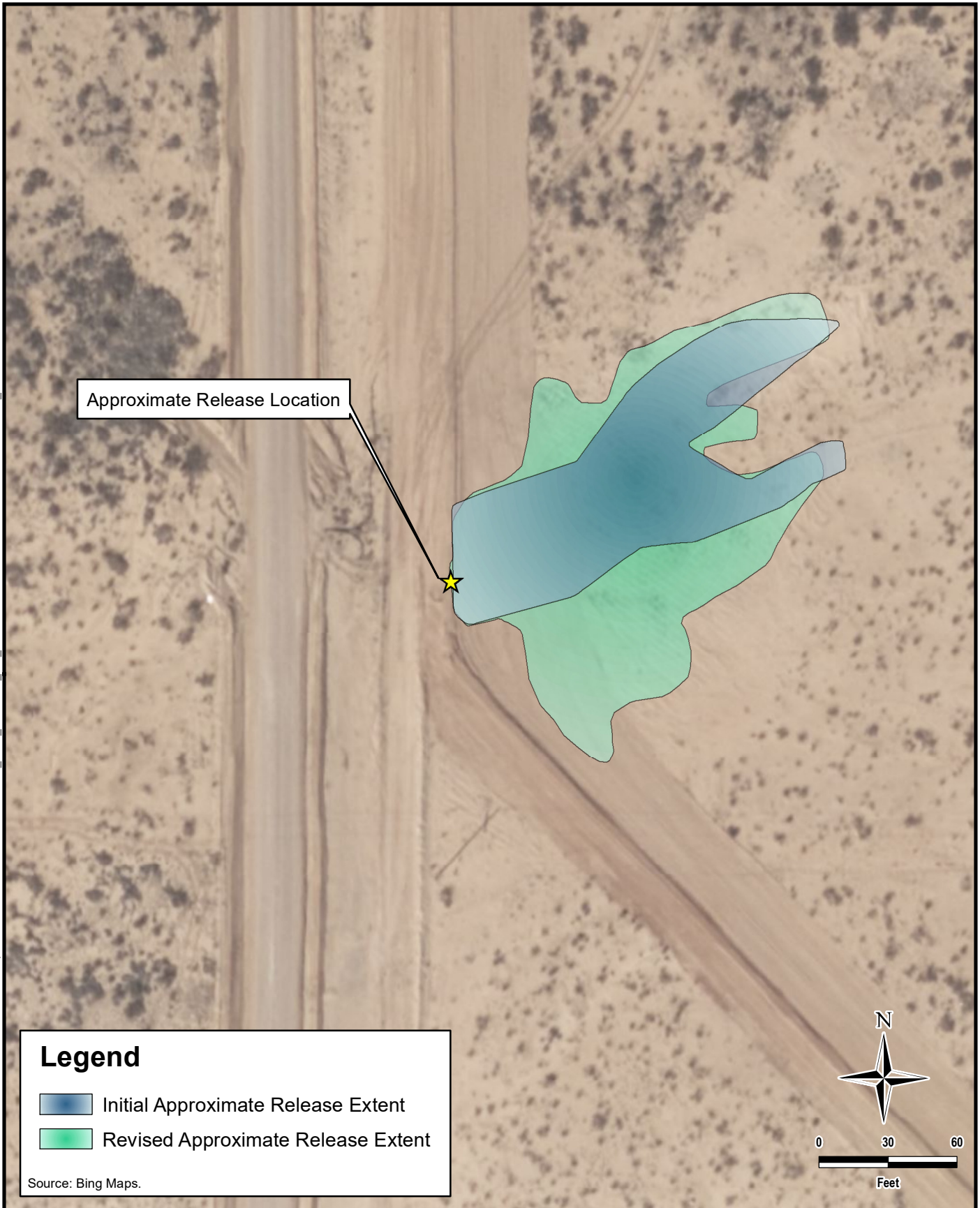






DOCUMENT PATH: C:\USERS\LISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLCOP\SRO_SWD_101\212C_MD_02932\MXD\FIGURE 3 SITE FEATURE MAP_SRO_SWD_101.MXD



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Legend

-  Initial Approximate Release Extent
-  Revised Approximate Release Extent

Source: Bing Maps.



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NAB1523932511
(32.020043°, -103.689328°)
EDDY COUNTY, NEW MEXICO

**SRO SWD #101 ILLEGAL DUMP RELEASE
APPROXIMATE RELEASE EXTENT**

PROJECT NO.: 212C-MD-02932

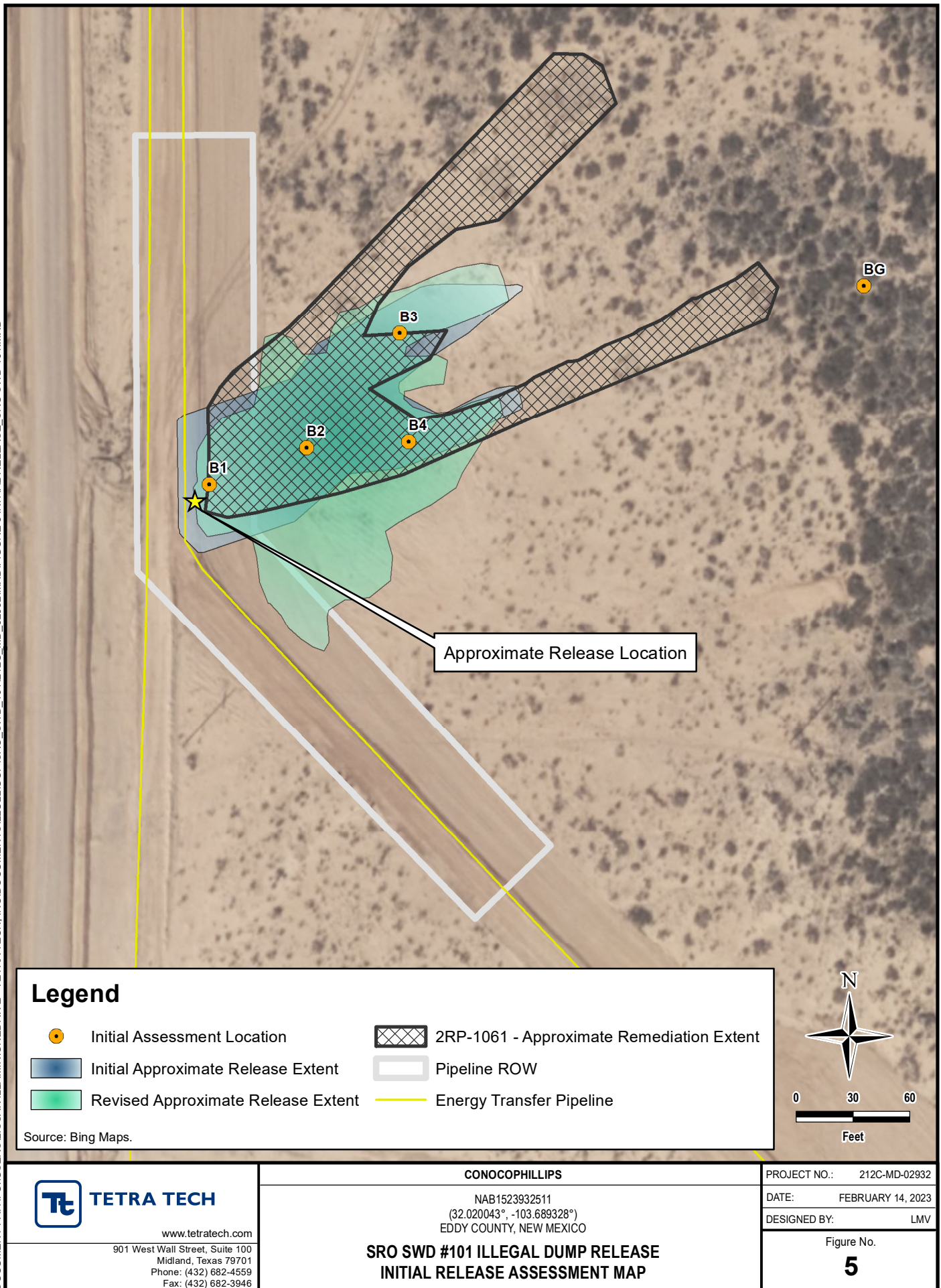
DATE: JANUARY 26, 2023

DESIGNED BY: LMV

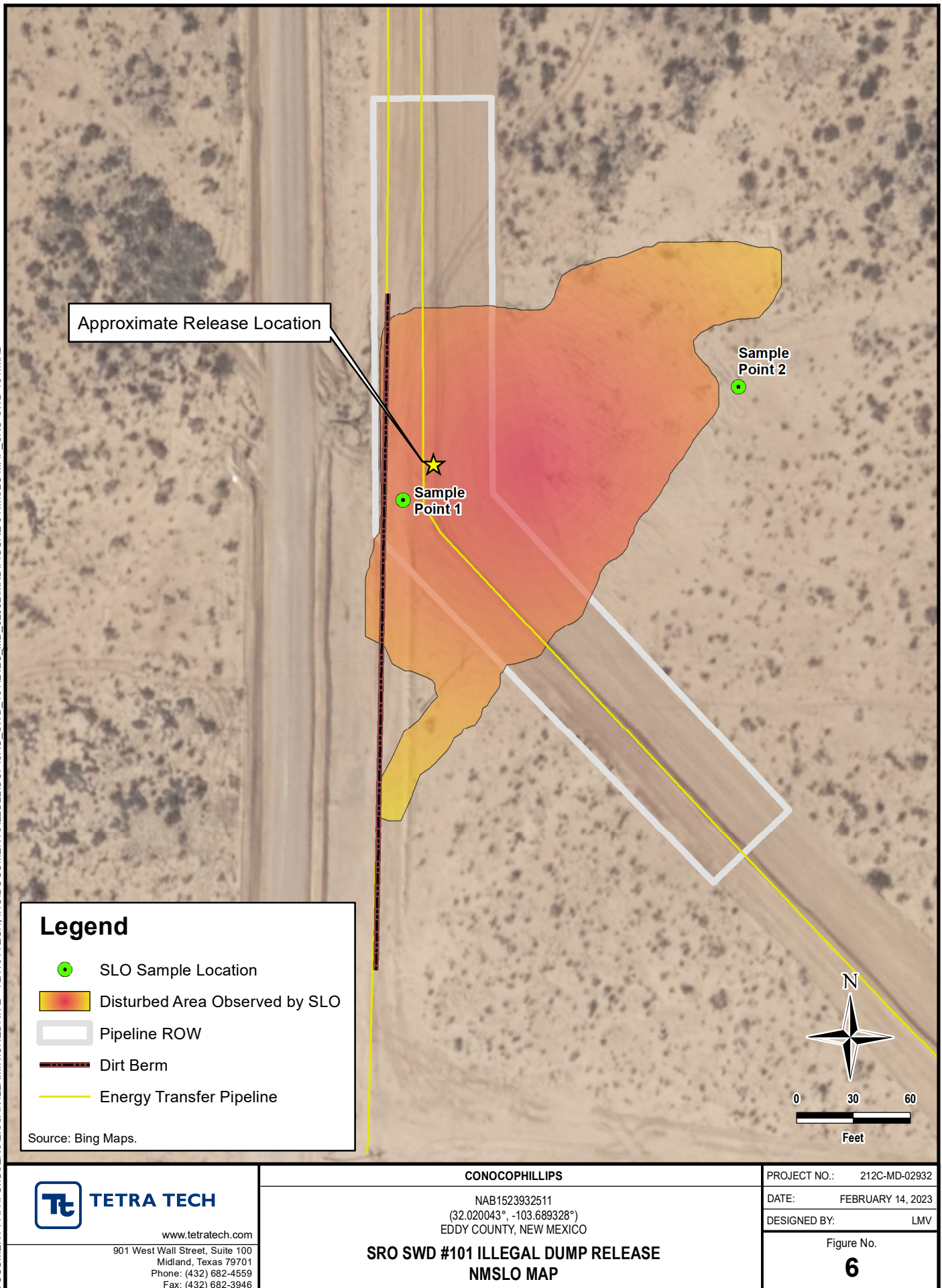
Figure No.

4

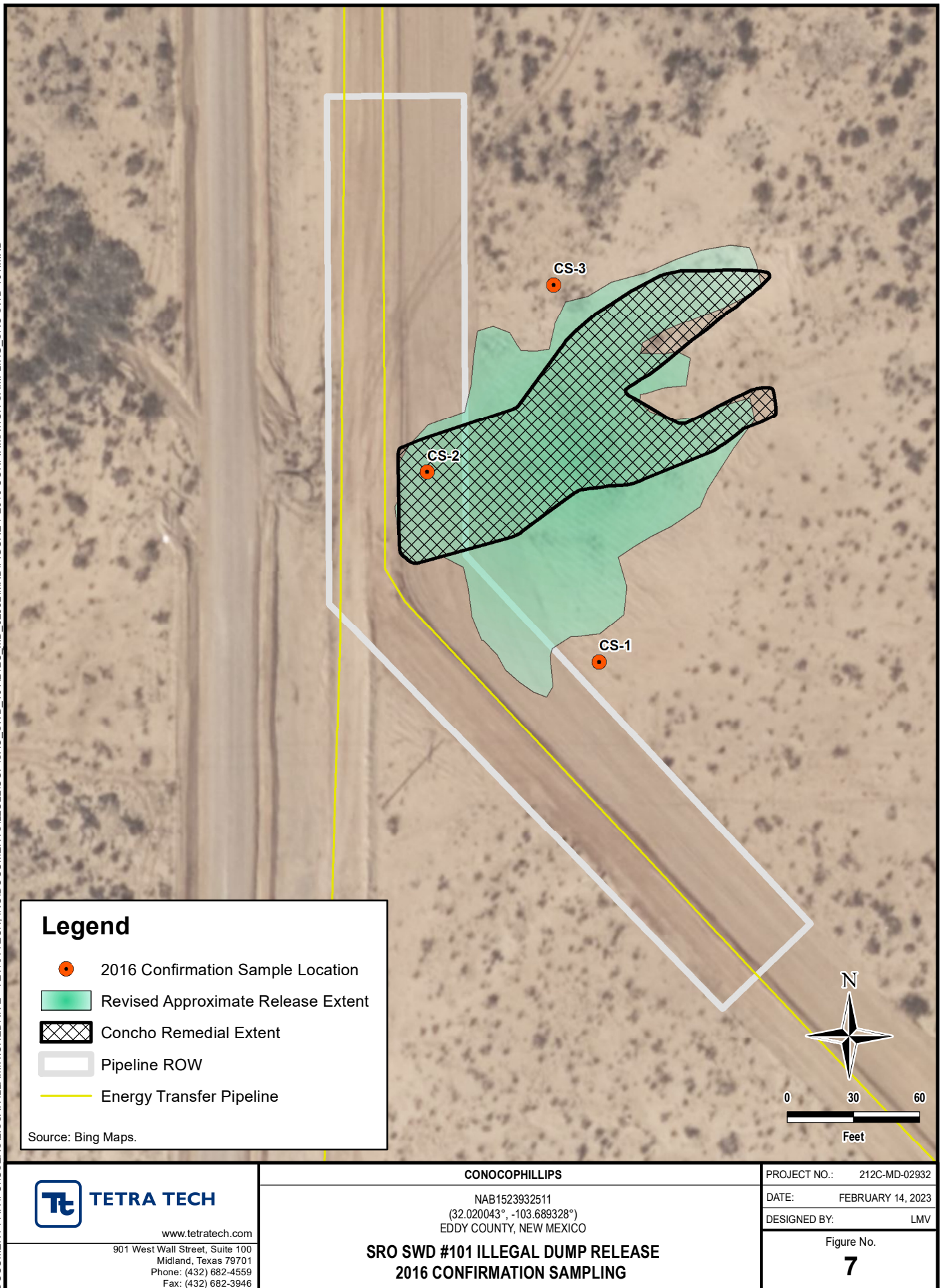
DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLCOP\SRO_SWD_101\212C_MD_02932\MXD\FIGURE 5 INITIAL RELEASE_SRO SWD 101.MXD



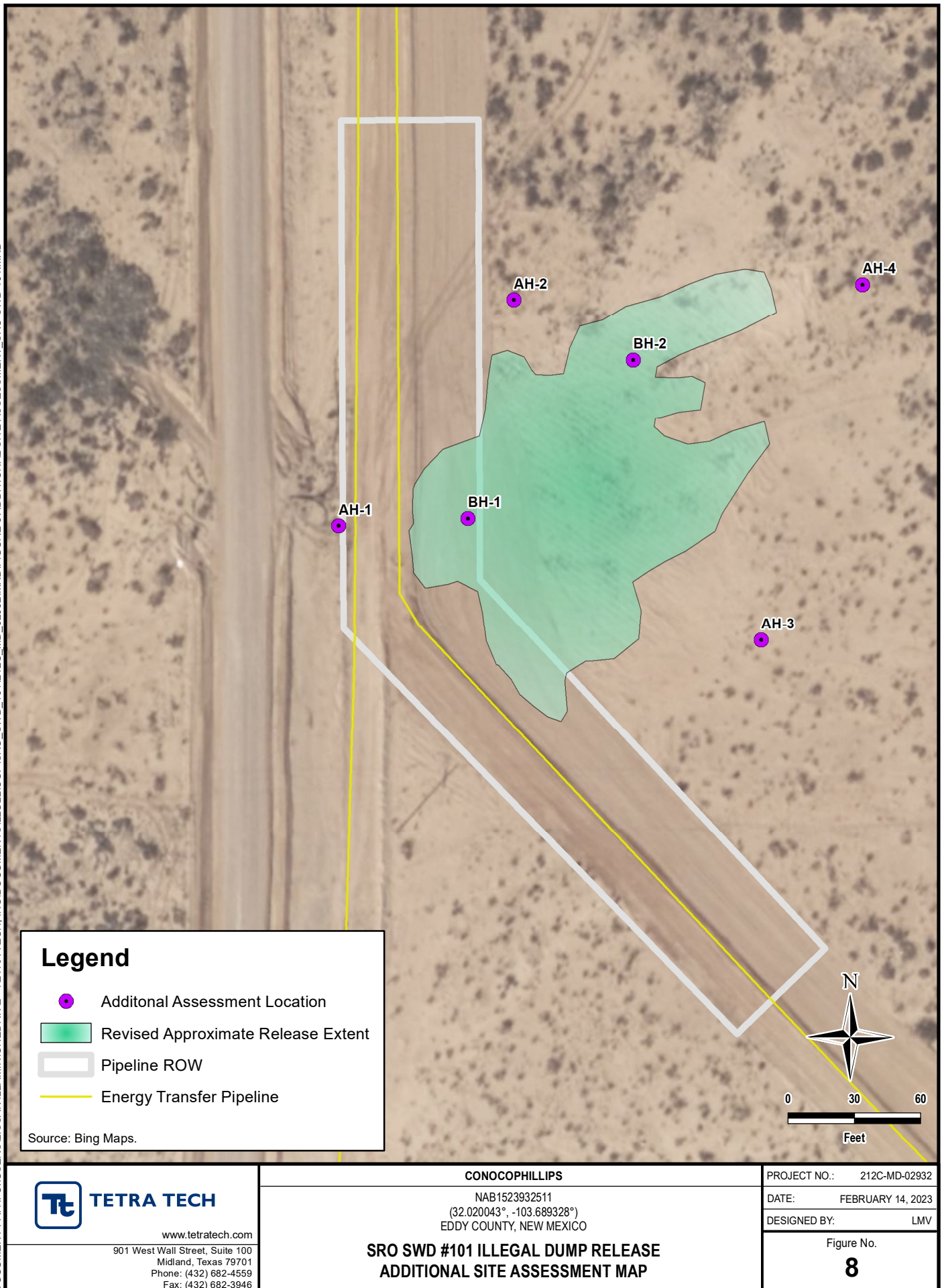
DOCUMENT PATH: C:\USERS\LISSA.VILLAMINONE\DRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLCOP\SRO_SWD_101\212C_MD_02932\MXD\FIGURE 6 NMSLO MAP_SRO_SWD_101.MXD



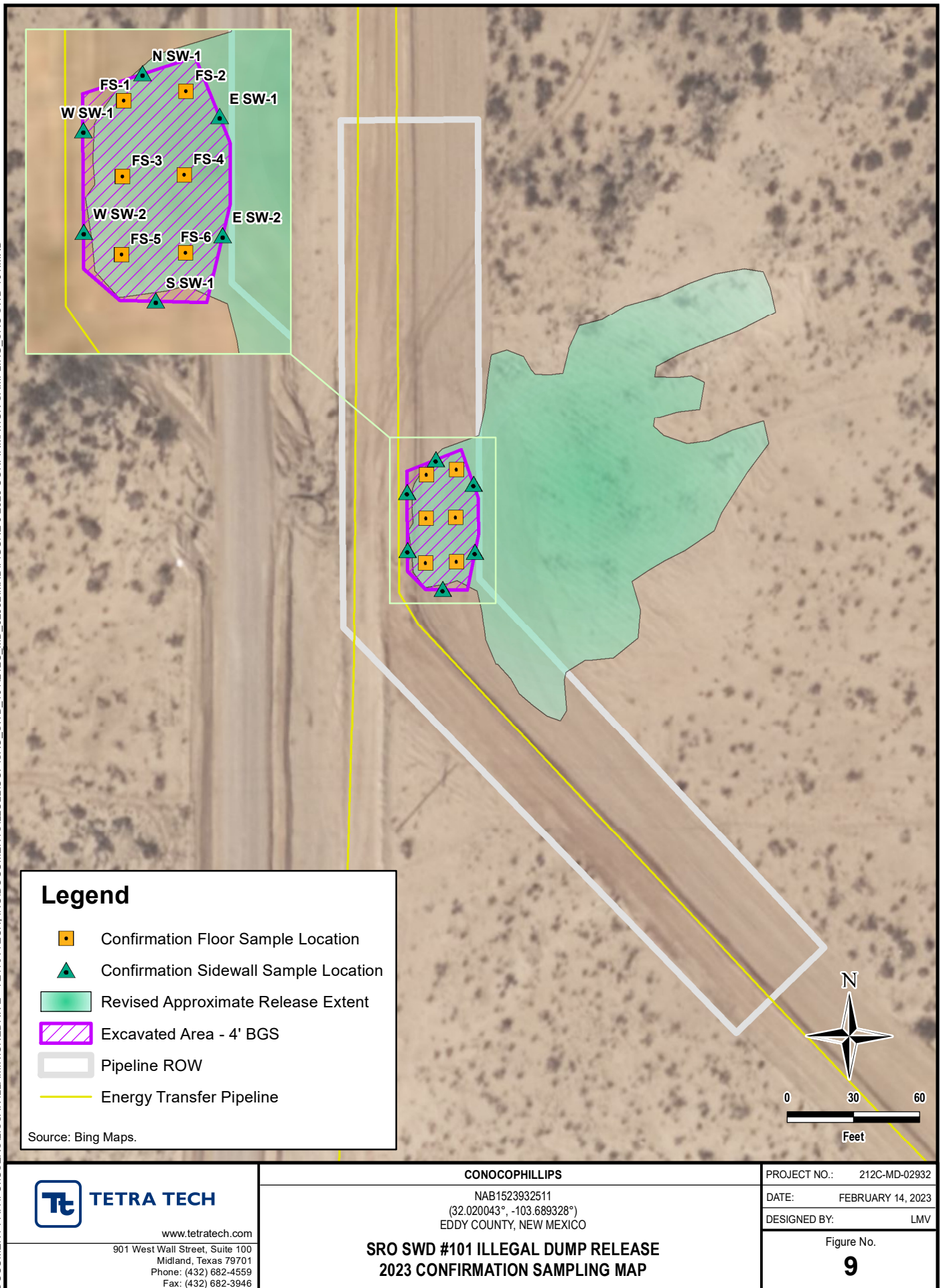
DOCUMENT PATH: C:\USERS\LISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLCOP\SRO_SWD_101\212C_MD_02932\MXD\FIGURE 7 2016 CONFIRMATION SAMPLING_SRO SWD 101.MXD



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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT - NAB1523932511
HERITAGE CONCHO
SRO SWD #101 ILLEGAL DUMP RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹	
		ft. bgs	mg/kg	Q
B1	8/18/2015	1	24,400	
		3	8,400	
		5	4,400	
		10	3,200	
		15	704	
		20	800	
B2	8/18/2015	1	13,200	
		3	9,600	
		5	7,360	
		10	1,020	
		15	976	
		20	1,020	
B3	8/18/2015	1	7,600	
		3	2,680	
		5	416	
		10	624	
		15	896	
		20	992	
		25	1,100	
		30	1,140	
B4	8/18/2015	1	9,900	
		3	9,100	
		5	2,040	
		10	832	
		15	784	
		20	1,100	
BG	8/18/2015	1	< 16.0	
		5	32	
		10	< 16.0	
		15	144	
		20	896	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500Cl-B

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
NMOCD SPLIT SAMPLING - NAB1523932511
HERITAGE CONCHO
SRO SWD #101 ILLEGAL DUMP RELEASE
EDDY COUNTY, NM

Sample ID	Laboratory ID	Sample Date	Sample Depth	Chloride ¹	
			ft. bgs	mg/kg	Q
S1-1	H600860-01	4/15/2016	1	112	
S1-3	H600860-02	4/15/2016	3	16.0	
S1-1 (SPLIT)	1604907-001	4/15/2016	1	93	
S1-3 (SPLIT)	1604907-002	4/15/2016	3	4900	
S2-1	H600860-03	4/15/2016	1	416	
S2-3	H600860-04	4/15/2016	3	512	
S2-1 (SPLIT)	1604907-003	4/15/2016	1	400	
S2-3 (SPLIT)	1604907-004	4/15/2016	3	290	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500CI-B

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
2016 CONFIRMATION SAMPLING - NAB1523932511
HERITAGE CONCHO
SRO SWD #101 ILLEGAL DUMP RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹	
		ft. bgs	mg/kg	Q
CS-1	8/15/2016	1	752	
		2	96.0	
		3	160	
CS-2	8/15/2016	1	80.0	
		2	96.0	
		3	368	
CS-3	8/15/2016	1	48.0	
		2	1330	
		3	768	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500Cl-B

TABLE 4
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT- NAB1523932511
HERITAGE CONCHO
SRO SWD #101 ILLEGAL DUMP RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs			ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		mg/kg
BH-1	1/19/2022	0-1			784		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3			3,840		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4			5,040		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		4-5			4,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		6-7			6,720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		8-9			3,440		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		10-15			1,260	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
15-20			784		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-			
BH-2	1/19/2022	0-1			96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		19.0		< 10.0		19.0	
		2-3			160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		11.3		< 10.0		11.3	
		4-5			432		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		6-7			864		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		9-10			1,280		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		14-15			1,040		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
19-20			1,060		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-			
AH-1	1/19/2022	0-1			64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2			128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-2	1/19/2022	0-1			32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2			32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-3	1/19/2022	0-1			64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2			64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-4	1/19/2022	0-1			112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2			112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

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

Shaded rows indicate excavated intervals.

QUALIFIERS:

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

TABLE 5
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SOIL REMEDIATION- nAB1523932511
CONOCOPHILLIPS
SRO SWD #101 ILLEGAL DUMP RELEASE REMEDIATION
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (50 ft - 100 ft):			Chlorides ¹		BTEX ²										TPH ³									
			< 10,000 mg/kg		< 10 mg/kg		Toluene		Ethylbenzene		Total Xylenes		< 50 mg/kg		GRO		DRO		EXT DRO		< 2,500 mg/kg			
Sample ID	Sample Date	Sample Depth Interval	Chloride		Benzene								Total BTEX								Total TPH (GRO+DRO+EXT DRO)			
			ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg				
NSW-1	1/13/2023	-	32.0			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
ESW-1	1/13/2023	-	80.0			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
ESW-2	1/13/2023	-	80.0			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
SSW-1	1/13/2023	-	96.0			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
WSW-1	1/13/2023	-	112			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
WSW-2	1/13/2023	-	96.0			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-1	1/13/2023	4	3,280			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-2	1/13/2023	4	2,960			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-3	1/13/2023	4	4,160			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-4	1/13/2023	4	6,560			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-5	1/13/2023	4	2,080			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-
FS-6	1/13/2023	4	1,400			<0.050			<0.050			<0.150			<0.300			<10.0			<10.0			-

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

APPENDIX A C-141 Forms

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

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.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: SRO SWD #101	Facility Type: SWD

Surface Owner: State	Mineral Owner:	API No. 30-015-26105
----------------------	----------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	5	26S	28E	1980	North	1980	East	Eddy

Latitude 32.0734787 Longitude -104.1072769

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Illegal Dump	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 7/20/2015
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.*


Concho received notification of a spill near COG flowlines. The spill was dry and unclear as to when it occurred. Following an investigation it was determined the release most likely occurred from an illegal dump. The dump site is located off a busy oil field road.

Describe Area Affected and Cleanup Action Taken.*

The impacted area is in the pasture at 32°03'53.34" 104°05'59.40" Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: 	Approved by Environmental Specialist:	
Printed Name: Amanda Trujillo	Approval Date:	Expiration Date:
Title: Senior Environmental Coordinator	Conditions of Approval:	
E-mail Address: atrujillo@concho.com	Attached <input type="checkbox"/>	
Date: August 25, 2015 Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Charles R. Beauvais II Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Charles R. Beauvais II Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Charles R. Beauvais II Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 2/17/2023

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

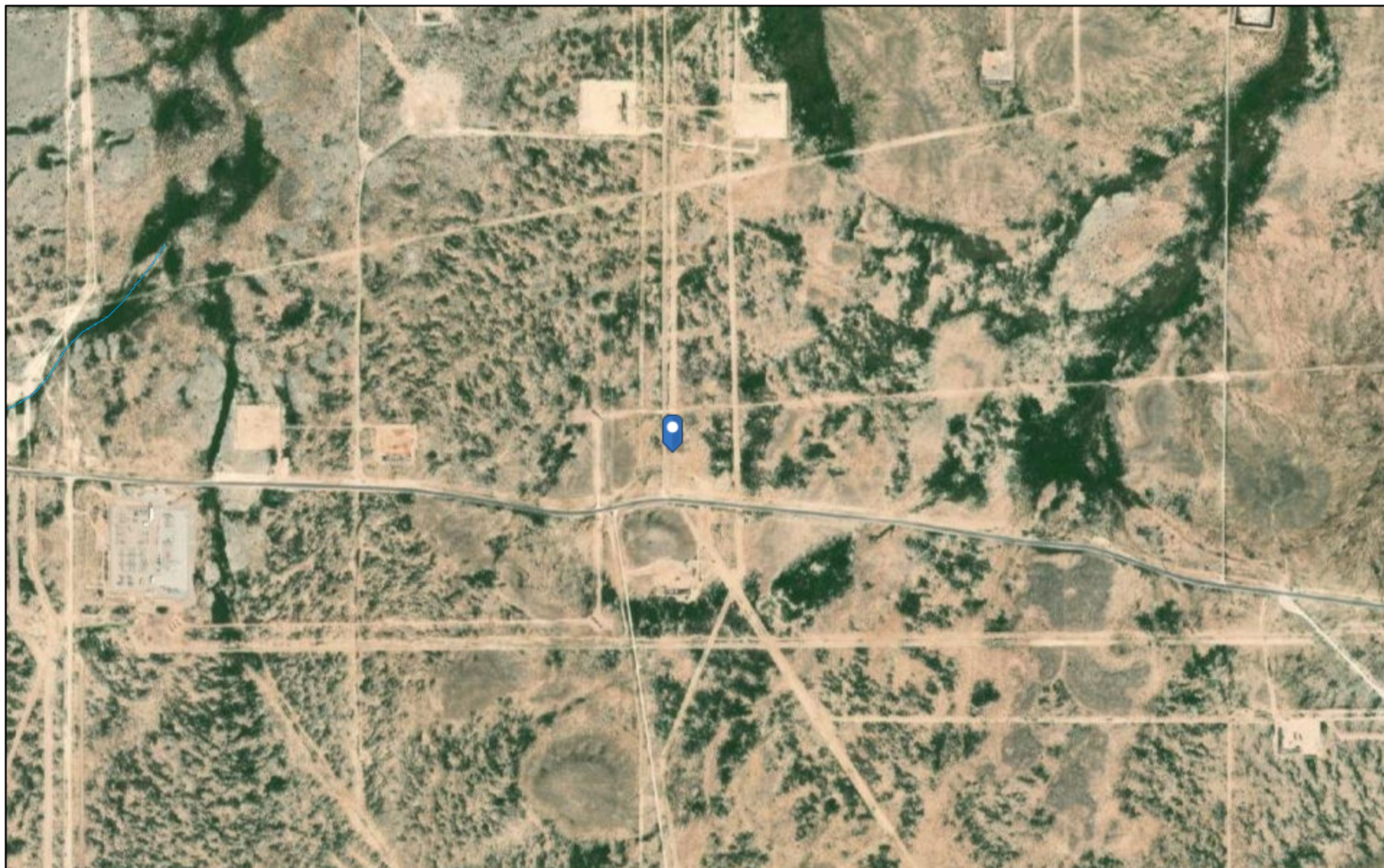
Closure Approved by:  Date: 07/12/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

APPENDIX B

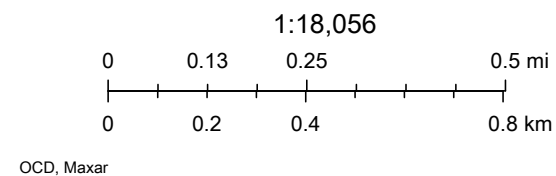
Site Characterization Data

OCD Water Bodies

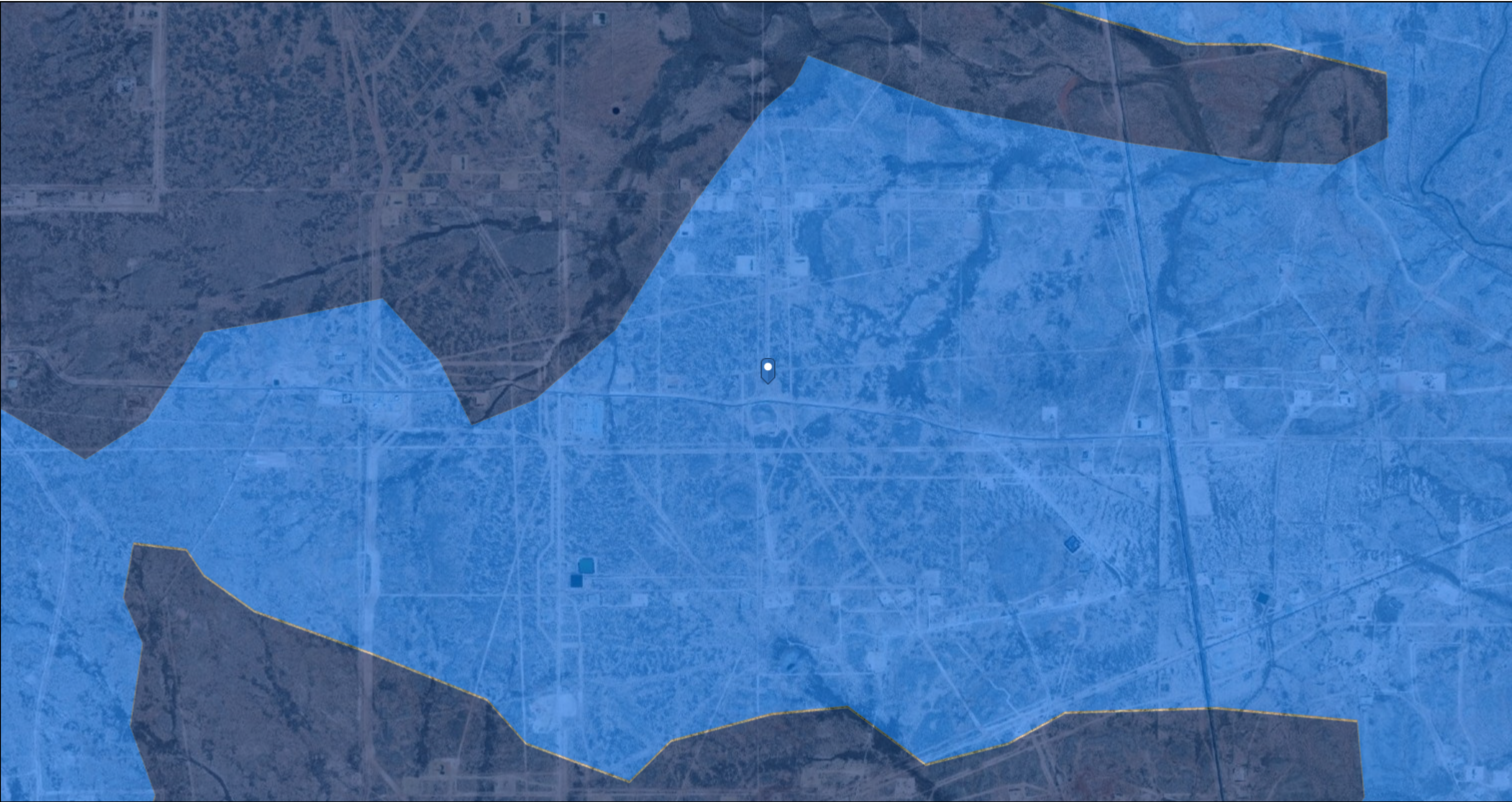


1/11/2022, 9:53:10 AM

- ★ OCD District Offices
- PLJV Probable Playas
- OSE Water-bodies
- OSE Streams



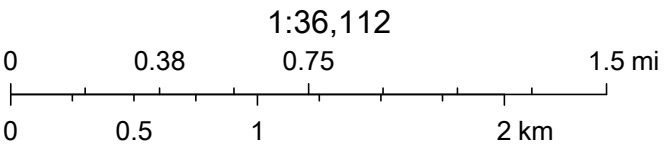
OCD Karst Potential Map



2/6/2023, 1:54:39 PM

Karst Occurrence Potential

- High
- Medium



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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02478	CUB	ED		2	1	05	26S	28E		583848	3549325*	1737	100		
C 02477	CUB	ED		1	1	03	26S	28E		586687	3549347*	2209	150		
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	3294	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	3294	150		
C 01278	C	ED		4	3	28	25S	28E		585470	3551338*	3396	205	90	115

Average Depth to Water: **90 feet**

Minimum Depth: **90 feet**

Maximum Depth: **90 feet**

Record Count: 5

UTM NAD83 Radius Search (in meters):

Easting (X): 584950.222

Northing (Y): 3547981.925

Radius: 3600

*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.

2/18/22 2:58 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

212C-MD-02660		TETRA TECH		LOG OF BORING DTW-1			Page 1 of 1	
Project Name: SRO SWD #101								
Borehole Location: GPS: 32.072938°, -104.101518°				Surface Elevation (ft): 3009				
Borehole Number: DTW-1			Borehole Diameter (in.): 3	Date Started: 3/15/2022		Date Finished: 3/15/2022		

DEPTH (ft)	OPERATION TYPES	SAMPLE	STANDARD PENETRATION TEST	PID (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	WELL DIAGRAM
												While Drilling	24 Hours After Completion of Drilling		
												While Drilling <u>▽ DRY</u> ft 24 Hours After Completion of Drilling <u>▽ DRY</u> ft			
												Remarks:			
												MATERIAL DESCRIPTION			
5												-SM- SILTY SAND: Pale Brown, dry -SM- SILTY SAND: Pale Brown, with angular to subangular Gravel, dry. -SM- SILTY SAND: Light Reddish Brown, dry. -SM- SILTY SAND: Light Reddish Brown, with angular to subangular Gravel, dry. -SM- SILTY SAND: Reddish Brown, with angular to subangular Gravel, dry.	1 2 3 4		
10															
15															
20												-CL- CLAY: Brown, trace Sand, dry to moist.	15		
25												-CL- CLAY: Grayish Brown, trace Sand, dry to moist.	20		
30												-SANDSTONE- SANDSTONE: Gray, fine to medium grained, weakly to moderately cemented, dry.	25		
35															
40															
45															
50															
55															

Bottom of borehole at 55.0 feet.

Sampler Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> Split Spoon Shelby Bulk Sample Grab Sample </div> <div style="width: 50%;"> Acetate Liner Vane Shear California Sonic </div> </div>	Operation Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> Mud Rotary Continuous Flight Auger Hollow Stem Auger </div> <div style="width: 50%;"> Auger Air Rotary Direct Push HSA </div> </div>	Notes: Surface elevation is an estimated value based on Google Earth data.
--	---	---

Logger: Nicholas Poole	Drilling Equipment: Air Rotary	Driller: Scarborough Drilling
------------------------	--------------------------------	-------------------------------

APPENDIX C

Regulatory Correspondence



COG Operating, LLC. SRO State Unit #1H Line Break

Section 4, T26S-R28E. Eddy County, NM

Description: On Monday, 7/13/2015 I discovered evidence of a produced water release originating from a poly pipeline connected to the SRO State Unit #1H. The line has been repaired.

New Mexico State Land Office Carlsbad District: Ian Dolly District Resource Specialist
7/17/2015

New Mexico State Land Office Carlsbad District
Ian Dolly District Resource Specialist

Photographs (1/4)



Photo Point 1

**New Mexico State Land Office Carlsbad District
Ian Dolly District Resource Specialist**

Photographs (2/4)



Photo Point 2

**New Mexico State Land Office Carlsbad District
Ian Dolly District Resource Specialist**

Photographs (3/4)



Photo Point 3: View of Spill Site #2 Lat: 32.709307° Lon: -104.199400°

**New Mexico State Land Office Carlsbad District
Ian Dolly District Resource Specialist**

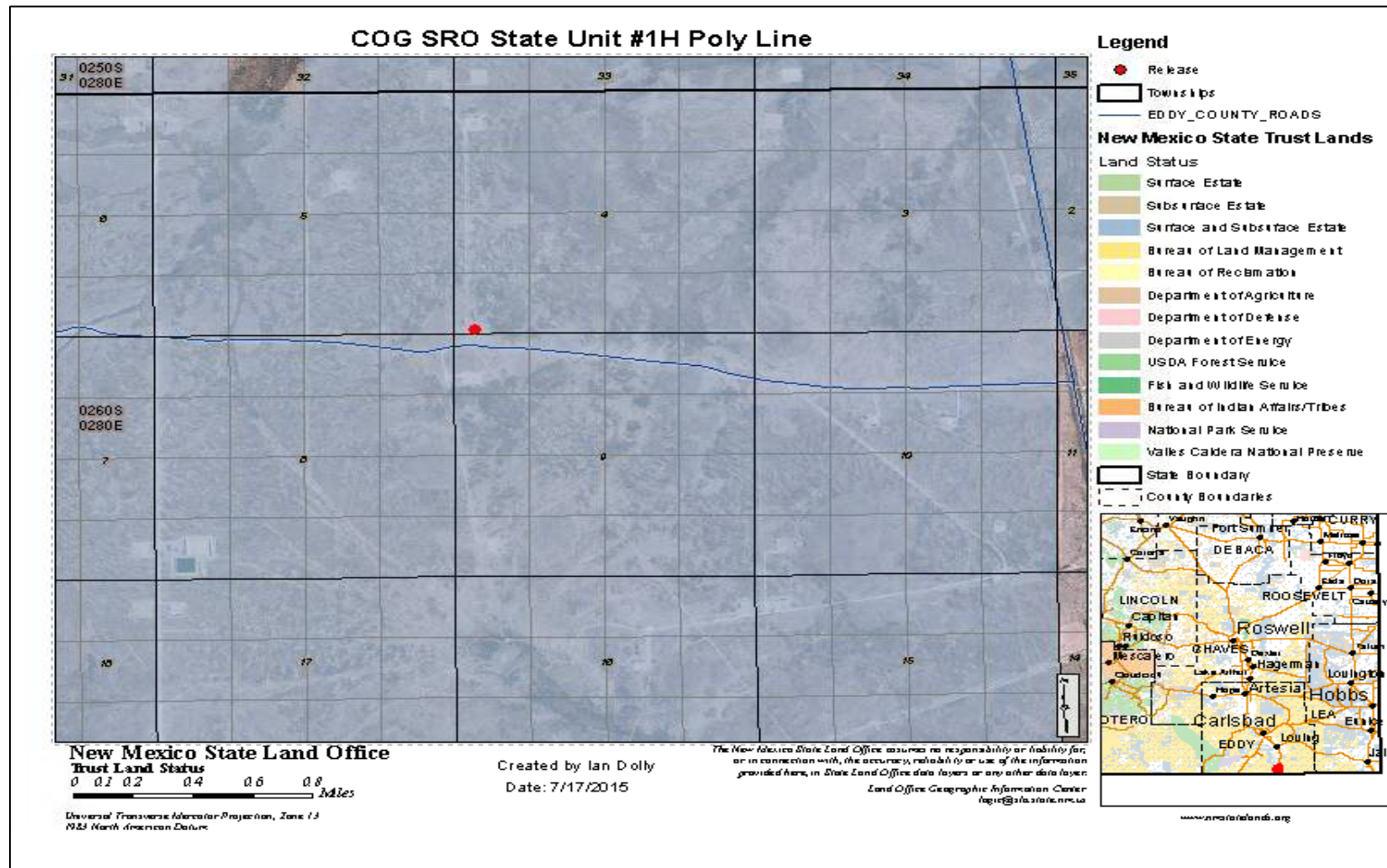
Photographs (4/4)



Photo Point 4: View of released water escaping via north side of berm

New Mexico State Land Office Carlsbad District Ian Dolly District Resource Specialist

Map (1/1)



From: [Dolly, Ian](#)
To: ["Amanda Trujillo"](#)
Cc: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)
Subject: RE: COG Operating Poly Line Release
Date: Wednesday, July 22, 2015 8:42:36 AM
Attachments: image001.png

Amanda,

I visited the site yesterday and confirmed the line is indeed a Concho SWD line. The poly line is marked "SRO 45&65->101(SWD)." The line is still leaking from what appears to be a valve and judging from the scar on the land, it has been leaking for quite some time. If you could address this issue ASAP I'd appreciate it. I've attached pics from yesterday. As always, feel free to call me with questions.

Ian Dolly
New Mexico State Land Office
Carlsbad District Resource Specialist
idolly@slo.state.nm.us
Office: 575-885-1323
Cell: 575-361-4045

From: Amanda Trujillo [mailto:ATrujillo@concho.com]
Sent: Monday, July 20, 2015 3:30 PM
To: Patterson, Heather, EMNRD
Cc: Bratcher, Mike, EMNRD; Dolly, Ian
Subject: RE: COG Operating Poly Line Release

Heather/Ian,

I was in the neighborhood so I stopped by the SRO State Unit #1. Unfortunately, I was unable to locate the area mentioned in the report. *Photo Point 4* indicates the release is to the north side of the berm, however a new pad is located to the north of the berm. It was constructed sometime in January, attached is a picture. Also, the GPS points given in *Photo Point 3* takes you to a pasture off the Hagerman Cutoff. I don't mind looking into it further but I will need GPS points and/or driving directions.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336

Office: 575.748.6930
atrujillo@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Patterson, Heather, EMNRD [<mailto:Heather.Patterson@state.nm.us>]
Sent: Monday, July 20, 2015 7:58 AM
To: Amanda Trujillo
Cc: Bratcher, Mike, EMNRD; Dolly, Ian
Subject: FW: COG Operating Poly Line Release

Amanda,

Ian Dolly with SLO brought this to our attention and I don't see that the OCD ever got a spill report. Can you look into this for me?

Thanks,

Heather Patterson
Environmental Specialist
NMOCD District III
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Dolly, Ian [<mailto:idolly@slo.state.nm.us>]
Sent: Friday, July 17, 2015 9:53 AM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Strang, Dana V.
Subject: COG Operating Poly Line Release

Mike and Heather, it looks like a line break resulted in a PW release in Section 4, T26S-R28E. I followed the line back to the COG SRO State Unit #1H. Attached is a spill report.

Ian Dolly
New Mexico State Land Office
Carlsbad District Resource Specialist

idolly@slo.state.nm.us

Office: 575-885-1323

Cell: 575-361-4045

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From: [Amanda Trujillo](#)
To: [Dolly, Ian](#)
Cc: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)
Subject: RE: COG Operating Poly Line Release
Date: Thursday, August 06, 2015 6:28:04 PM
Attachments: image001.png

Ian,

After speaking with field personal it was determined the impacted area was most likely caused by an illegal dump. Given its proximity to our lines we will address the release. We had the small leak in our line repaired. I spoke with Heather about the incident and will be filing a C-141 with them. If you have any additional questions or concerns please feel free to contact me.

Thank you,

Amanda Trujillo

Senior Environmental Coordinator

COG Operating LLC

Cell: 505.350.1336

Office: 575.748.6930

atrujillo@concho.com

2407 Pecos Ave.

Artesia , NM 88210



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From: Dolly, Ian [mailto:idolly@slo.state.nm.us]
Sent: Wednesday, August 05, 2015 8:11 AM
To: Amanda Trujillo
Cc: mike.bratcher@state.nm.us; Patterson, Heather, EMNRD (Heather.Patterson@state.nm.us)
Subject: RE: COG Operating Poly Line Release

Amanda,

What is the status of this release? Thank you.

Ian Dolly
New Mexico State Land Office
Carlsbad District Resource Specialist
idolly@slo.state.nm.us
Office: 575-885-1323
Cell: 575-361-4045

From: Amanda Trujillo [<mailto:ATrujillo@concho.com>]
Sent: Wednesday, July 22, 2015 9:12 AM
To: Dolly, Ian
Cc: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD (Heather.Patterson@state.nm.us)
Subject: Re: COG Operating Poly Line Release

Ian,

Thank you for the corrected information. We will look into this matter as soon as possible.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: [505.350.1336](tel:505.350.1336)
Office: [575.748.6930](tel:575.748.6930)
atrujillo@concho.com

[2407 Pecos Ave.](#)
[Artesia, NM 88210](#)



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On Jul 22, 2015, at 8:40 AM, Dolly, Ian <idolly@slo.state.nm.us> wrote:

Amanda,

I visited the site yesterday and confirmed the line is indeed a Concho SWD line. The poly line is marked "SRO 45&65->101(SWD)." The line is still leaking from what appears to be a valve and judging from the scar on the land, it has been leaking for quite some time. If you could address this issue ASAP I'd appreciate it. I've attached pics from yesterday. As always, feel free to call me with questions.

Ian Dolly
New Mexico State Land Office
Carlsbad District Resource Specialist
idolly@slo.state.nm.us
Office: 575-885-1323
Cell: 575-361-4045

From: Amanda Trujillo [<mailto:ATrujillo@concho.com>]
Sent: Monday, July 20, 2015 3:30 PM
To: Patterson, Heather, EMNRD
Cc: Bratcher, Mike, EMNRD; Dolly, Ian
Subject: RE: COG Operating Poly Line Release

Heather/Ian,

I was in the neighborhood so I stopped by the SRO State Unit #1. Unfortunately, I was unable to locate the area mentioned in the report. *Photo Point 4* indicates the release is to the north side of the berm, however a new pad is located to the north of the berm. It was constructed sometime in January, attached is a picture. Also, the GPS points given in *Photo Point 3* takes you to a pasture off the Hagerman Cutoff. I don't mind looking into it further but I will need GPS points and/or driving directions.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Patterson, Heather, EMNRD [<mailto:Heather.Patterson@state.nm.us>]
Sent: Monday, July 20, 2015 7:58 AM
To: Amanda Trujillo
Cc: Bratcher, Mike, EMNRD; Dolly, Ian
Subject: FW: COG Operating Poly Line Release

Amanda,

Ian Dolly with SLO brought this to our attention and I don't see that the OCD ever got a spill report. Can you look into this for me?

Thanks,

Heather Patterson
Environmental Specialist
NMOCD District III
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Dolly, Ian [<mailto:idolly@slo.state.nm.us>]
Sent: Friday, July 17, 2015 9:53 AM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Strang, Dana V.
Subject: COG Operating Poly Line Release

Mike and Heather, it looks like a line break resulted in a PW release in Section 4, T26S-R28E. I followed the line back to the COG SRO State Unit #1H. Attached is a spill report.

Ian Dolly
New Mexico State Land Office
Carlsbad District Resource Specialist
idolly@slo.state.nm.us
Office: 575-885-1323
Cell: 575-361-4045

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<IMG_3217.JPG>

<IMG_3218.JPG>

<IMG_3226.JPG>

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From: [Lupe Carrasco](#)
To: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)
Cc: [Amanda Trujillo](#)
Subject: (Work Plan) SRO SWD #101 (30-015-26105)
Date: Tuesday, September 22, 2015 1:09:58 PM
Attachments: image001.png
(Work Plan) SRO SWD #1.pdf

Mr. Bratcher,

Attached for your consideration is a work plan for the SRO SWD #101 release. Please feel free to contact me with any questions or concerns.

Thanks!

Lupe Carrasco

Environmental Coordinator
Concho Resources
Cell: 575-725-0787
Office: 575-748-6933
gcarrasco@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Amanda Trujillo
Sent: Tuesday, August 25, 2015 4:22 PM
To: mike.bratcher@state.nm.us; Patterson, Heather, EMNRD (Heather.Patterson@state.nm.us)
Subject: (C-141 Initial-Final) SRO SWD #101 (30-015-26105)

Mr. Bratcher,

Attached is a C-141 (Initial) for your consideration. Please feel free to contact me if you have any additional questions or concerns.

Thank you,

Amanda Trujillo

Senior Environmental Coordinator

COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Patterson, Heather, EMNRD
To: ["Lupe Carrasco"](#)
Cc: [Amanda Trujillo; agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us); [Bratcher, Mike, EMNRD](#)
Subject: RE: (Work Plan) SRO SWD #101 (30-015-26105)
Date: Wednesday, September 30, 2015 7:53:00 AM
Attachments: image001.png

RE: COG * SRO SWD #101 (Illegal Dumping) * 30-015-26105 * 2RP-3223

Lupe,

Your proposed work plan for the above listed site is approved with one stipulation, please remove 4 feet of material before installing your capillary barrier. We would like to see more top soil to ensure plant growth. Keep in mind that a previous remediation was performed in this area, and at least part of it included a liner. See 2RP-1061 for details.

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.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Lupe Carrasco [<mailto:GCarrasco@concho.com>]
Sent: Tuesday, September 22, 2015 1:08 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Amanda Trujillo
Subject: (Work Plan) SRO SWD #101 (30-015-26105)

Mr. Bratcher,

Attached for your consideration is a work plan for the SRO SWD #101 release. Please feel free to contact me with any questions or concerns.

Thanks!

Lupe Carrasco
Environmental Coordinator
Concho Resources
Cell: 575-725-0787
Office: 575-748-6933
gcarrasco@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Amanda Trujillo
Sent: Tuesday, August 25, 2015 4:22 PM
To: mike.bratcher@state.nm.us; Patterson, Heather, EMNRD (Heather.Patterson@state.nm.us)
Subject: (C-141 Initial-Final) SRO SWD #101 (30-015-26105)

Mr. Bratcher,

Attached is a C-141 (Initial) for your consideration. Please feel free to contact me if you have any additional questions or concerns.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: [Groves, Amber](#)
To: [Amanda Trujillo Davis](#)
Cc: [Patterson, Heather, EMNRD](#)
Subject: SRO SWD #101
Date: Thursday, December 31, 2015 10:24:48 AM
Attachments: image001.png
image002.png

Good Morning, Amanda,

I was just hoping that I could get an update on the above mentioned site, please. When is the excavation scheduled to begin?

Thank you and Happy New Year.

Amber Groves

Remediation Specialist

Field Operations Division

(575)392-3697

(575)263-3209 cell

New Mexico State Land Office

2827 N. Dal Paso Suite 117

Hobbs, NM 88260

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From: [Amanda Trujillo Davis](#)
To: [Groves, Amber](#)
Cc: [Patterson, Heather, EMNRD](#); [Lupe Carrasco](#)
Subject: RE: SRO SWD #101
Date: Thursday, December 31, 2015 3:28:13 PM
Attachments: image003.png
image004.png
image001.png

Amber,

I was informed by our regulatory group on 12/22, they confirmed with Conrad Kegel that we do not need an ROE. We'll move ahead with our excavations and work plan in January.

Thank you,

Amanda Trujillo Davis

Senior Environmental Coordinator

COG Operating LLC

Cell: 505.350.1336

Office: 575.748.6930

atrujillo@concho.com

1401 Commerce Drive

Carlsbad, NM 88220



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From: Groves, Amber [mailto:agroves@slo.state.nm.us]
Sent: Thursday, December 31, 2015 10:24 AM
To: Amanda Trujillo Davis
Cc: Patterson, Heather, EMNRD
Subject: [External] SRO SWD #101

**** External email. Use caution. ****

Good Morning, Amanda,

I was just hoping that I could get an update on the above mentioned site, please. When is the excavation scheduled to begin?

Thank you and Happy New Year.

Amber Groves

Remediation Specialist

Field Operations Division

(575)392-3697

(575)263-3209 cell

New Mexico State Land Office

2827 N. Dal Paso Suite 117

Hobbs, NM 88260

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From: [Groves, Amber](#)
To: [Patterson, Heather, EMNRD](#)
Subject: 2RP3223
Date: Friday, March 11, 2016 9:23:02 AM
Attachments: ATT00001.txt
ATT00002.txt
ATT00003.txt
ATT00004.txt
ATT00005.txt

Good Morning, Heather!

The attached are some photos from the above listed RP. I just thought I would show an update for your files. It looks as though they have ripped the site, however there has not been any excavation taken place. I am hoping that they do excavate in the near future though.

Thank you!

Amber Groves
Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260

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-----Original Message-----

From: Kasuboski, Robert
Sent: Thursday, March 10, 2016 1:59 PM
To: Groves, Amber <agroves@slo.state.nm.us>
Subject: White city rd

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From: Patterson, Heather, EMNRD
To: ["Groves, Amber"](#)
Subject: RE: 2RP3223
Date: Friday, March 11, 2016 2:19:00 PM

I spoke to Lupe about this. He said they already did the excavation and backfill, but they had packed it hard and the soil was wet at the time, so he had them rip it so it could be properly seeded. He also put up the berm to keep trucks from parking on it.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

-----Original Message-----

From: Groves, Amber [<mailto:agroves@slo.state.nm.us>]
Sent: Friday, March 11, 2016 9:23 AM
To: Patterson, Heather, EMNRD
Subject: 2RP3223

Good Morning, Heather!

The attached are some photos from the above listed RP. I just thought I would show an update for your files. It looks as though they have ripped the site, however there has not been any excavation taken place. I am hoping that they do excavate in the near future though.

Thank you!

Amber Groves
Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260

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-----Original Message-----

From: Kasuboski, Robert
Sent: Thursday, March 10, 2016 1:59 PM
To: Groves, Amber <agroves@slo.state.nm.us>
Subject: White city rd

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For more information please visit <http://www.symanteccloud.com>

From: Patterson, Heather, EMNRD
To: ["Robert Grubbs"; Bratcher, Mike, EMNRD](#)
Cc: ["agroves@slo.state.nm.us"](mailto:agroves@slo.state.nm.us)
Subject: RE: (Closure) SRO SWD #101 (30-015-26105)
Date: Tuesday, March 22, 2016 10:25:00 AM
Attachments: image004.png

Mr. Grubbs,

Do you have pictures of the work done at this location? I'm especially interested in excavation and "after" pictures.

Thank you,

Heather Patterson
 Environmental Specialist
 NMOCD District II
 Office (575)748-1283 ext.101
 Cell (575)703-0228

From: Robert Grubbs [mailto:RGrubbs@concho.com]
Sent: Monday, March 21, 2016 3:16 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: 'agroves@slo.state.nm.us'
Subject: (Closure) SRO SWD #101 (30-015-26105)

MR. BRATCHER,

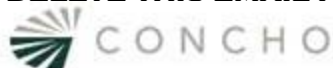
ATTACHED FOR YOUR CONSIDERATION IS A COPY OF A CLOSURE LETTER ALONG WITH A C-141 FINAL FOR THE SRO SWD #101. PLEASE FEEL FREE TO CONTACT ME WITH ANY QUESTIONS OR CONCERNS.

THANK YOU,

ROBERT GRUBBS JR.
SR. ENVIRONMENTAL COORDINATOR

432.683.7443 (MAIN)
 432.818.2369 (DIRECT)
 432.961.6601 (CELL)
 432.221.0892 (FAX)
RGRUBBS@CONCHO.COM
 MAILING ADDRESS:
 ONE CONCHO CENTER
 600 W. ILLINOIS AVENUE
 MIDLAND, TEXAS 79701

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its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

From: [Lupe Carrasco](#)
To: [Patterson, Heather, EMNRD](#); [Bratcher, Mike, EMNRD](#); agroves@slo.state.nm.us
Cc: [Robert McNeill](#); [Robert Grubbs](#); [Amanda Trujillo Davis](#)
Subject: RE: (Closure) SRO SWD #101 (30-015-26105)
Date: Tuesday, March 22, 2016 2:28:48 PM
Attachments: image002.png
image004.png

Heather,

I have attached pictures of the completed work. I did have pictures of the excavation, but I have misplaced them. As per our conversation, all work was done as presented in the approved work plan. Due to compaction during backfill, the remediated area was cross ripped against the contour of the land and the berm was placed to detour traffic over the remediated area. The placement of the berm was chosen based on the existing Regency right of way. The area will be reseeded in June of 2016 with the BLM #3 seed mixture unless otherwise noted. Please let me know if you have any questions or concerns.

Thanks!

Lupe Carrasco

Environmental Coordinator

Concho Resources

Cell: 575-725-0787

Office: 575-748-6933

gcarrasco@concho.com

1401 Commerce Drive

Carlsbad, NM 88220



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From: Patterson, Heather, EMNRD [<mailto:Heather.Patterson@state.nm.us>]
Sent: Tuesday, March 22, 2016 11:26 AM
To: Robert Grubbs; Bratcher, Mike, EMNRD
Cc: 'agroves@slo.state.nm.us'
Subject: [External] RE: (Closure) SRO SWD #101 (30-015-26105)

**** External email. Use caution. ****

Mr. Grubbs,

Do you have pictures of the work done at this location? I'm especially interested in excavation and "after" pictures.

Thank you,

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Robert Grubbs [<mailto:RGrubbs@concho.com>]
Sent: Monday, March 21, 2016 3:16 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: 'agroves@slo.state.nm.us'
Subject: (Closure) SRO SWD #101 (30-015-26105)

MR. BRATCHER,

ATTACHED FOR YOUR CONSIDERATION IS A COPY OF A CLOSURE LETTER ALONG WITH A C-141 FINAL FOR THE SRO SWD #101. PLEASE FEEL FREE TO CONTACT ME WITH ANY QUESTIONS OR CONCERNS.

THANK YOU,

ROBERT GRUBBS JR.
SR. ENVIRONMENTAL COORDINATOR
432.683.7443 (MAIN)
432.818.2369 (DIRECT)
432.961.6801 (CELL)
432.221.0892 (FAX)
RGRUBBS@CONCHO.COM
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ONE CONCHO CENTER
600 W. ILLINOIS AVENUE
MIDLAND, TEXAS 79701

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From: Patterson, Heather, EMNRD
To: "Robert Grubbs"; "Lupe Carrasco"
Cc: "agroves@slo.state.nm.us"; Bratcher, Mike, EMNRD; Billings, Bradford, EMNRD
Subject: RE: (Closure) SRO SWD #101 (30-015-26105)
Date: Monday, April 04, 2016 7:49:00 AM
Attachments: image004.png

Gentlemen,

The quality of the work done at this location has been brought under suspicion. In the absence of adequate photo documentation, the OCD would like to request confirmation samples. Samples should be taken at a minimum of two locations and at various depths (up to the four foot deep barrier). The OCD must be present at the time of sampling, and will be prepared to take split samples. We would like to schedule this event as soon as possible at a mutually convenient time.

Thank you,

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Robert Grubbs [mailto:RGrubbs@concho.com]
Sent: Monday, March 21, 2016 3:16 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: 'agroves@slo.state.nm.us'
Subject: (Closure) SRO SWD #101 (30-015-26105)

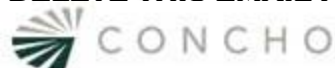
MR. BRATCHER,

ATTACHED FOR YOUR CONSIDERATION IS A COPY OF A CLOSURE LETTER ALONG WITH A C-141 FINAL FOR THE SRO SWD #101. PLEASE FEEL FREE TO CONTACT ME WITH ANY QUESTIONS OR CONCERNS.

THANK YOU,

ROBERT GRUBBS JR.
SR. ENVIRONMENTAL COORDINATOR
432.683.7443 (MAIN)
432.818.2369 (DIRECT)
432.661.6601 (CELL)
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From: Groves, Amber
To: [Patterson, Heather, EMNRD](#)
Cc: [Kasuboski, Robert](#); [Naranjo, Mark M.](#)
Subject: Concho SRO SWD Poly Line
Date: Monday, April 4, 2016 3:47:39 PM
Attachments: image001.png
image002.png
Concho Sample Results.PDF

Good Afternoon, Heather,

I have attached the map showing my samples and my sample results to this e-mail for your information. If you have any questions please give me a call.

Thank you,

Amber Groves

Remediation Specialist

Field Operations Division

(575)392-3697

(575)263-3209 cell

New Mexico State Land Office

2827 N. Dal Paso Suite 117

Hobbs, NM 88260

.....
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Aubrey Dunn
Commissioner of Public Lands
505-827-5760
www.nmstatelands.org

SRO SWD Poly Line Sampling

Legend

- | | |
|--------------------|--------------------------|
| • Cities and Towns | State Trust Lands |
| ⊙ County Seats | Subsurface Estate |
| ~ Rivers | Surface Estate |
| — US Highway | Both Estates |
| — NM Highway | County Lines |
| + Railroads | |



Locator Map

Date: 3/18/2016

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Created by Robert Kasuboski, District Resource Manager/Carlsbad 575-885-1323

Date 3/17/2016 Concho SLO Polyline

	Soil	H ₂ O	Coef	AgNO ₃	Cl ⁻
Background	10.3	30.5	2.96	.03	88.4
Pt. 1 @ Surface	10.3	30.4	2.95	.86	2536
Pt. 1 @ 1'	10.2	30.6	3	.63	1889
Pt. 2 @ Surface	10.3	30.6	2.97	2.85	8,461
Pt. 2 @ 1'	10.2	30.4	2.98	1.71	5,094

Amber Groves 3/17/2016

July 2016	August 2016	September 2016	October 2016	November 2016	December 2016	January 2017
S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

From: Lupe Carrasco
To: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#); agroves@slo.state.nm.us
Cc: [Dakota Neel](#); [Robert McNeill](#); [Robert Grubbs](#)
Subject: SRO SWD #101
Date: Tuesday, April 26, 2016 2:06:40 PM
Attachments: image001.png
H600860 COG.pdf

Ms. Patterson/Mr. Bratcher/Ms. Groves,

Attached is a copy of the soil samples taken on April 15, 2016. Please note S2-1' and S2-3' sample results may have been transposed. I notified Ms. Patterson of this potential error during a visit to her office. Please let me know if you have any questions.

Thanks!

Lupe Carrasco

Environmental Coordinator
Concho Resources
Cell: 575-725-0787
Office: 575-748-6933
gcarrasco@concho.com

1401 Commerce Drive
Carlsbad, NM 88220



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From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Friday, April 22, 2016 10:33 AM
To: Lupe Carrasco; Amanda Trujillo Davis; Dakota Neel
Subject: [External] SRO SWD #101

**** External email. Use caution. ****
THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326

F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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From: [Patterson, Heather, EMNRD](#)
To: [Lupe Carrasco](#); [Bratcher, Mike, EMNRD](#); agroves@slo.state.nm.us
Cc: [Dakota Neel](#); [Robert McNeill](#); [Robert Grubbs](#); [Billings, Bradford, EMNRD](#)
Subject: RE: SRO SWD #101
Date: Monday, May 2, 2016 6:24:00 AM
Attachments: Rpt_1604907_Final_v1.pdf
image001.png

Attached is the OCD results of the split sampling.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Lupe Carrasco [<mailto:GCarrasco@concho.com>]
Sent: Tuesday, April 26, 2016 2:06 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; agroves@slo.state.nm.us
Cc: Dakota Neel; Robert McNeill; Robert Grubbs
Subject: SRO SWD #101

Ms. Patterson/Mr. Bratcher/Ms. Groves,

Attached is a copy of the soil samples taken on April 15, 2016. Please note S2-1' and S2-3' sample results may have been transposed. I notified Ms. Patterson of this potential error during a visit to her office. Please let me know if you have any questions.

Thanks!

Lupe Carrasco
Environmental Coordinator
Concho Resources
Cell: 575-725-0787
Office: 575-748-6933
gcarrasco@concho.com

1401 Commerce Drive
Carlsbad, NM 88220



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From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Friday, April 22, 2016 10:33 AM
To: Lupe Carrasco; Amanda Trujillo Davis; Dakota Neel
Subject: [External] SRO SWD #101

**** External email. Use caution. ****

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326
F: (575) 393-2476
e-mail: celey.keene@cardinallabsnm.com

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From: [Patterson, Heather, EMNRD](#)
To: [Lupe Carrasco: agroves@slo.state.nm.us](#)
Cc: [Bratcher, Mike, EMNRD](#); [Billings, Bradford, EMNRD](#)
Subject: FW: SRO 101 S1-3" data
Date: Thursday, May 5, 2016 9:32:00 AM
Attachments: SRO 101 S1-3" data.pdf

Please see the attached results. We reanalyzed S1-3'.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Andy Freeman [mailto:andy@hallenvironmental.com]
Sent: Wednesday, May 04, 2016 2:14 PM
To: Patterson, Heather, EMNRD
Subject: SRO 101 S1-3' data

Hi Heather,

At your request we reextracted and reanalyzed the S1-3' sample for chloride. I have attached the results for the initial analysis and the second analysis.

Please let me know if you have any questions.

Thank you,

Andy Freeman
Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
505-345-3975
505-345-4107 fax
www.hallenvironmental.com
andy@hallenvironmental.com

****Hall Environmental is going paperless!**** Beginning February 1st, 2014, paper copies of final reports and invoices will no longer be mailed. All final reports and invoices will be sent directly to the e-mail(s) specified on the chain(s) and will also be posted to our web portal.

To sign up for access to our web portal, go to our website, www.hallenvironmental.com, and click on the "ClientLogin" tab. From this screen, click on the "Sign up" tab and follow the instructions to set up a username and password. Feel free to contact us at any time at 505-345-3975 if you require

paper copies or have any other questions.

We welcome your feedback. Please visit the survey site below to complete a brief survey on your experience with Hall Environmental.

<https://www.surveymonkey.com/r/NGVXRBV>

Analytical Report

Lab Order: 1604907

Date Reported: 4/29/2016

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** NMOCD District II**Client Sample ID:** S1-3'**Project:** SRO 101**Collection Date:** 4/15/2016 9:40:00 AM**Lab ID:** 1604907-002A**Matrix:** Soil

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	5100	300		mg/Kg	200	5/2/2016 2:35:28 PM
Chloride	4900	300		mg/Kg	200	4/26/2016 4:08:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range

Page 1 of 0

From: Robert Grubbs
To: [Patterson, Heather, EMNRD; \"agroves@slo.state.nm.us\"](mailto:Patterson, Heather, EMNRD; \)
Cc: Robert McNeill
Subject: SRO 101 Resampling
Date: Monday, October 31, 2016 11:30:25 AM
Attachments: Lab Analytical and photos.pdf

MS. PATTERSON / MS. GROVES,

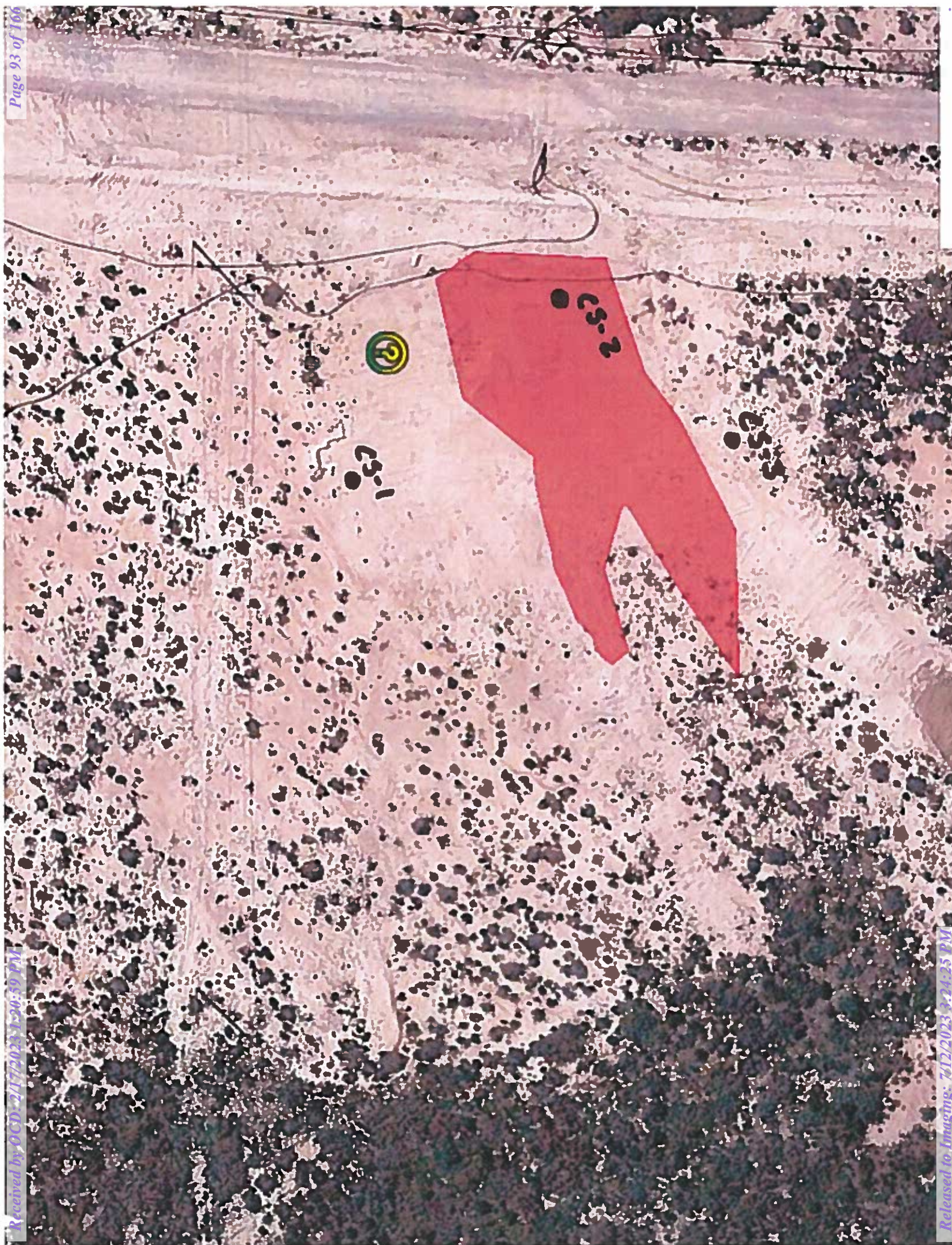
I HAVE ATTACHED A COPY OF THE CONFIRMATION SAMPLES TAKEN AT THE SRO 101. THE SAMPLES WERE COLLECTED WHERE AMBER GROVES HAD REQUESTED. I HAVE ALSO ATTACHED SOME PICTURES WHERE THE SAMPLES WERE COLLECTED. IN THE PICTURES IT SHOWS AN OPEN TRENCH AT A DEPTH OF THREE FOOT. AFTER THE SAMPLES WERE COLLECTED THE TRENCHES WERE BACKFILLED. MS. GROVES HAS TOLD ME THAT THE ANALYTICAL LOOKS GOOD. PLEASE REVIEW THE DATA AND LET ME KNOW IF YOU HAVE ANY QUESTIONS.

THANK YOU,

ROBERT GRUBBS JR.
SR. HSE COORDINATOR
432.683.7443 (MAIN)
432.818.2369 (DIRECT)
432.661.6601 (CELL)
432.221.0892 (FAX)
RGRUBBS@CONCHO.COM
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MIDLAND, TEXAS 79701

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08/15/2016 10:56 AM



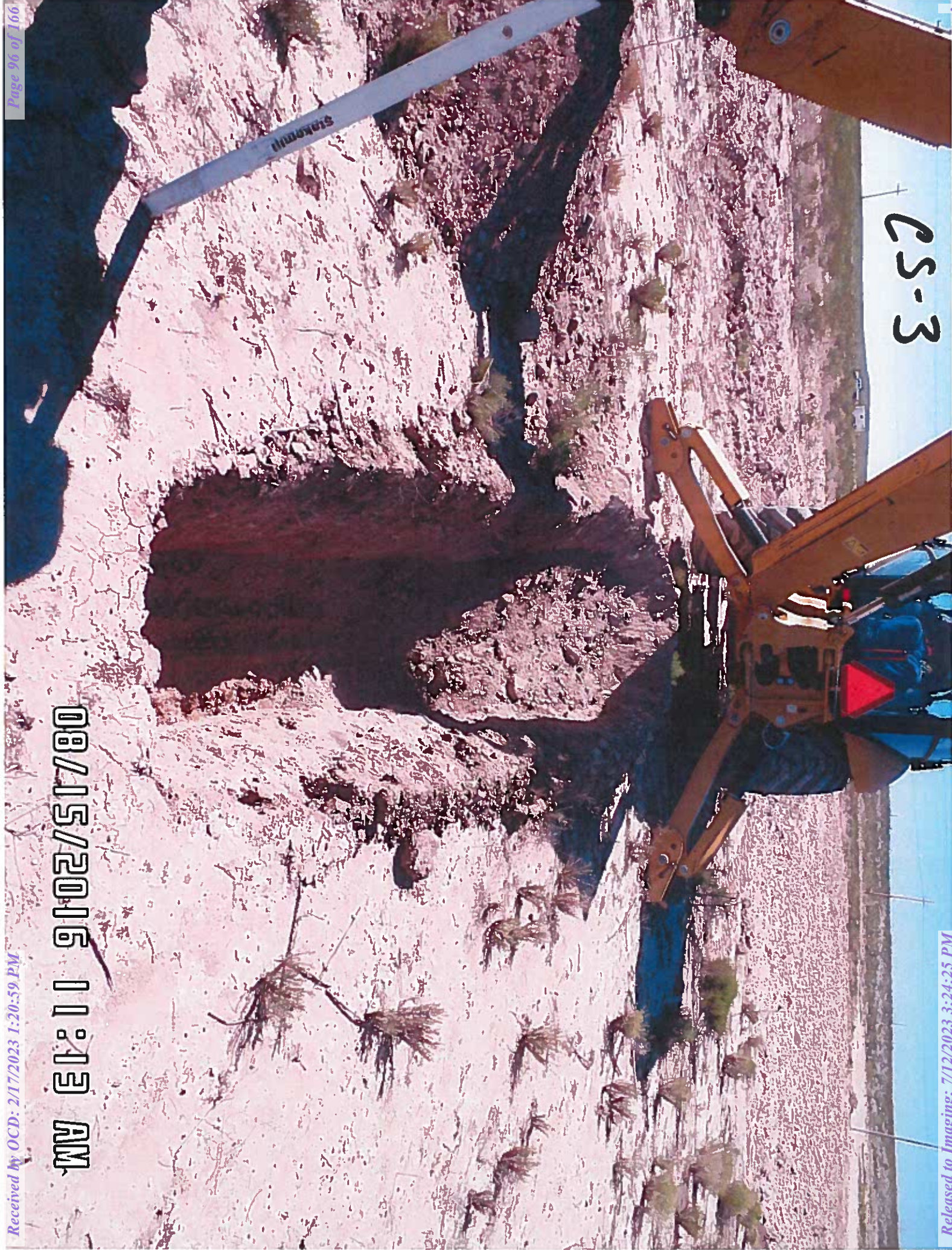
CS-1

08/15/2016 11:04 AM



CS-2
P-57

08/15/2016 11:13 AM



From: [Patterson, Heather, EMNRD](#)
To: ["Robert Grubbs"; "agroves@slo.state.nm.us"](#)
Cc: [Robert McNeill](#); [Bratcher, Mike, EMNRD](#); [Weaver, Crystal, EMNRD](#); [Billings, Bradford, EMNRD](#)
Subject: RE: SRO 101 Resampling
Date: Thursday, December 8, 2016 1:39:00 PM

RE: COG * SRO SWD #101 * 30-015-26105 * 2RP-3223

Robert,

The OCD should have been consulted before these samples were taken, and should have been present during the sampling. With that said, I need to know what COG is proposing to do at this time. Also, Your cs-3 sample point is not on the map, can you please provide that?

Thanks,
Heather Patterson

From: Robert Grubbs [mailto:RGrubbs@concho.com]
Sent: Monday, October 31, 2016 11:29 AM
To: Patterson, Heather, EMNRD <Heather.Patterson@state.nm.us>; 'agroves@slo.state.nm.us' <agroves@slo.state.nm.us>
Cc: Robert McNeill <RMcNeill@concho.com>
Subject: SRO 101 Resampling

MS. PATTERSON / MS. GROVES,

I HAVE ATTACHED A COPY OF THE CONFIRMATION SAMPLES TAKEN AT THE SRO 101. THE SAMPLES WERE COLLECTED WHERE AMBER GROVES HAD REQUESTED. I HAVE ALSO ATTACHED SOME PICTURES WHERE THE SAMPLES WERE COLLECTED. IN THE PICTURES IT SHOWS AN OPEN TRENCH AT A DEPTH OF THREE FOOT. AFTER THE SAMPLES WERE COLLECTED THE TRENCHES WERE BACKFILLED. MS. GROVES HAS TOLD ME THAT THE ANALYTICAL LOOKS GOOD. PLEASE REVIEW THE DATE AND LET ME KNOW IF YOU HAVE ANY QUESTIONS.

THANK YOU,

ROBERT GRUBBS JR.
SR. HSE COORDINATOR
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from your system. Thank you.

From: OCDOnline@state.nm.us
To: [Lull, Christian](#)
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 84896
Date: Monday, March 7, 2022 12:17:35 PM

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

To whom it may concern (c/o Christian Lull for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1523932511, for the following reasons:

- **Will need to make sure depth to water is greater than 51 feet at site to utilize soils data for closure, a boring would be most likely. With associated boring and DTW verification, resubmit request. You have 90 days from 3/7/22 to complete and re-submit.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 84896.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Bradford Billings
Hydrologist/E.Spec.A
505-670-6549
bradford.billings@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Bickerstaff, Colton



From: Llull, Christian
Sent: Tuesday, August 16, 2022 3:10 PM
To: Abbott, Sam
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 94716

Follow Up Flag: Follow up
Flag Status: Flagged

SRO SWD #101 Illegal Dump Release (nAB1523932511).
Closure Rejected

Christian

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, August 16, 2022 3:04 PM
To: Llull, Christian <Christian.Llull@tetrattech.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 94716

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

To whom it may concern (c/o Christian Llull for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1523932511, for the following reasons:

- **The application for closure is denied * Point BH-1 and the surrounding area must be remediated to reclamation standards 19.15.29.13 NMAC. * If remediation to reclamation standards is not possible, a deferral request relative to pipeline ROW must be submitted.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 94716.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, January 11, 2023 2:10 PM
To: Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>
Subject: RE: [EXTERNAL] Incident ID: nAB1523932511 - Confirmation Sampling

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

Lisbeth,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>
Sent: Wednesday, January 11, 2023 12:57 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Llull, Christian <Christian.Llull@tetrattech.com>
Subject: [EXTERNAL] Incident ID: nAB1523932511 - Confirmation Sampling

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

Incident ID (n#) **nAB1523932511** (SRO SWD #101 Illegal Dump)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities are beginning at the site tomorrow, Thursday January 12, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site Friday, January 13 through Wednesday, January 18, 2023.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Thank you,

Lisbeth Chavira | Staff Geoscientist

Direct **+1 (512) 338-2868** | Mobile **+1 (512) 596-8201** | Lisbeth.chavira@tetrattech.com

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

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TETRA TECH

APPENDIX D

Laboratory Analytical Data



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

January 25, 2022

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SRO SWD 101 ILLEGAL DUMP

Enclosed are the results of analyses for samples received by the laboratory on 01/21/22 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (0' - 1') (H220247-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475	
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437	
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37	
Total BTEX	<0.300	0.300	01/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (2' - 3') (H220247-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.7 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (3' - 4') (H220247-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (4' - 5') (H220247-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.9 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (6' - 7') (H220247-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6720	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (8' - 9') (H220247-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.5 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (10' - 15') (H220247-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	01/24/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 1 (15' - 20') (H220247-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.1 % 59.5-142

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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (0' - 1') (H220247-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	19.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (2' - 3') (H220247-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	11.3	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (4' - 5') (H220247-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (6' - 7') (H220247-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (9' - 10') (H220247-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (14' - 15') (H220247-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BH 2 (19' - 20') (H220247-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 1 (0' - 1') (H220247-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 1 (1' - 2') (H220247-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.3 % 59.5-142

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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 2 (0' - 1') (H220247-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEX	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/25/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/25/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 2 (1' - 2') (H220247-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	0.475		
Toluene*	<0.050	0.050	01/25/2022	ND	2.16	108	2.00	0.437		
Ethylbenzene*	<0.050	0.050	01/25/2022	ND	2.01	101	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/25/2022	ND	6.25	104	6.00	1.37		
Total BTEx	<0.300	0.300	01/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/25/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/25/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 3 (0' - 1') (H220247-20)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2022	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	01/24/2022	ND	2.04	102	2.00	1.46		
Ethylbenzene*	<0.050	0.050	01/24/2022	ND	2.06	103	2.00	1.95		
Total Xylenes*	<0.150	0.150	01/24/2022	ND	6.23	104	6.00	2.34		
Total BTEx	<0.300	0.300	01/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2022	ND	216	108	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/25/2022	ND	215	108	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	01/25/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 3 (1' - 2') (H220247-21)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2022	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	01/24/2022	ND	2.04	102	2.00	1.46		
Ethylbenzene*	<0.050	0.050	01/24/2022	ND	2.06	103	2.00	1.95		
Total Xylenes*	<0.150	0.150	01/24/2022	ND	6.23	104	6.00	2.34		
Total BTEx	<0.300	0.300	01/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	241	120	200	0.779	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	202	101	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 4 (0' - 1') (H220247-22)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2022	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	01/24/2022	ND	2.04	102	2.00	1.46		
Ethylbenzene*	<0.050	0.050	01/24/2022	ND	2.06	103	2.00	1.95		
Total Xylenes*	<0.150	0.150	01/24/2022	ND	6.23	104	6.00	2.34		
Total BTEx	<0.300	0.300	01/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	241	120	200	0.779	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	202	101	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 66.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/21/2022	Sampling Date:	01/19/2022
Reported:	01/25/2022	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH 4 (1' - 2') (H220247-23)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/24/2022	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	01/24/2022	ND	2.04	102	2.00	1.46		
Ethylbenzene*	<0.050	0.050	01/24/2022	ND	2.06	103	2.00	1.95		
Total Xylenes*	<0.150	0.150	01/24/2022	ND	6.23	104	6.00	2.34		
Total BTEx	<0.300	0.300	01/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/24/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2022	ND	241	120	200	0.779	
DRO >C10-C28*	<10.0	10.0	01/24/2022	ND	202	101	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	01/24/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.1 % 59.5-142

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: TetraTech Inc.		BILL TO		ANALYSIS REQUEST	
Project Manager: Sam Abbott		P.O. #:			
Address: 8911 N Capital & Texas Hwy #2310		Company:			
City: Austin		Attn:			
Phone #: (512) 739-7874		Address:			
Fax #: 78759		City:			
Project #: 2182-MD-02659		State:			
Project Owner: Sam Abbott		Zip:			
Project Name: SRO SWD 101 Illegal Dump		Phone #:			
Project Location: Eddy Co. NM		Fax #:			
Sampler Name: Adrian Garcia					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	SAMPLING	ANALYSIS	REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
11720247	BH 1 (0-1)	G	1			X							1/19/22	8:00	X	BTEX	8021 B
1	(2-3)													8:15	X	TPH	8015 M
2	(3-4)													8:20	X	Chloride	
3	(4-5)													8:25			
4	(6-7)													8:30			
5	(8-9)													8:35			
6	(10-15)													8:40			
7	(15-20)													8:45			
8	BH 2 (0-1)													8:50			
9	(2-3)													8:55			

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Relinquished By: Adrian Garcia	Date: 1/24/22	Received By: Adrian Garcia	Date: 1/24/22
Relinquished By:	Date:	Received By:	Date:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	T.O.		<input checked="" type="checkbox"/> Rush	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C
Thermometer ID #113	Correction Factor -0.5°C						Corrected Temp. °C

REMARKS: **Sam. abbott@tetratech.com**

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



(p. 2 of 3)

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

January 16, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SRO SWD 101 ILLEGAL DUMP

Enclosed are the results of analyses for samples received by the laboratory on 01/13/23 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: NSW - 1 (H230201-01)

BTX 8021B			mg/kg		Analyzed By: JH/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326	
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78	
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593	
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437	
Total BTX	<0.300	0.300	01/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/16/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/13/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/13/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: ESW - 1 (H230201-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/13/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/13/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: ESW - 2 (H230201-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEX	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: SSW - 1 (H230201-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: WSW - 1 (H230201-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326	
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78	
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593	
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437	
Total BTX	<0.300	0.300	01/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: WSW - 2 (H230201-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 1 (H230201-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 2 (H230201-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 3 (H230201-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 4 (H230201-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 5 (H230201-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Analytical Results For:

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

Received:	01/13/2023	Sampling Date:	01/13/2023
Reported:	01/16/2023	Sampling Type:	Soil
Project Name:	SRO SWD 101 ILLEGAL DUMP	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02932	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 6 (H230201-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/13/2023	ND	2.02	101	2.00	0.326		
Toluene*	<0.050	0.050	01/13/2023	ND	2.15	108	2.00	1.78		
Ethylbenzene*	<0.050	0.050	01/13/2023	ND	2.16	108	2.00	0.593		
Total Xylenes*	<0.150	0.150	01/13/2023	ND	6.65	111	6.00	0.437		
Total BTEx	<0.300	0.300	01/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1400	16.0	01/16/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2023	ND	212	106	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/14/2023	ND	197	98.6	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	01/14/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Page 1 of 2

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

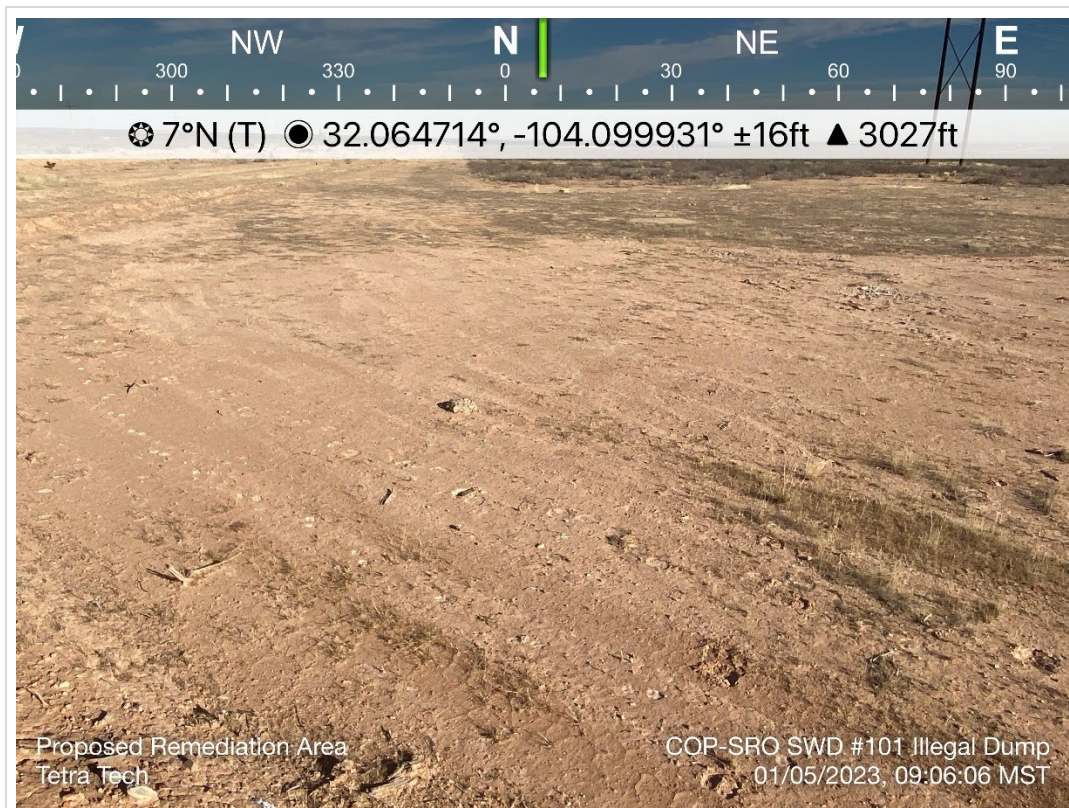
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

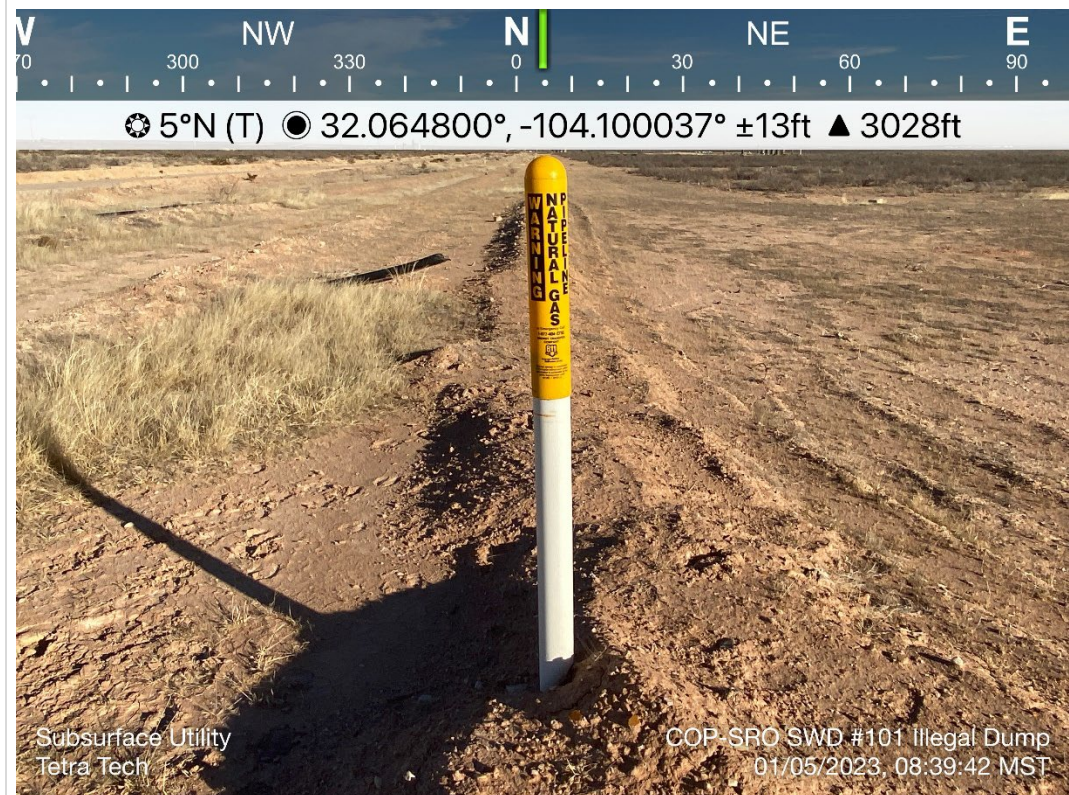
Company Name: <u>Coraco Phillips</u> Project Manager: <u>Christian Linn</u> Address: City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>212C-MD-02932</u> Project Owner: _____ Project Name: <u>SRO 5WD #101 Illegal Dump Remediation</u> Project Location: <u>Eddy Co, NM</u> Sampler Name: <u>Andrew Garne</u>				P.O. #: _____ Company: <u>Tetra Tech</u> Attn: <u>Christian Linn</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____											
FOR LAB USE ONLY				LAB I.D.				SAMPLE I.D.							
(G) RAB OR (C) OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				MATRIX				PRESERV				SAMPLING			
				DATE TIME				DATE TIME				DATE TIME			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C Corrected Temp. °C				Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				CHECKED BY: (Initials) Turnaround Time:			
Relinquished By: <u>Andrew Garne</u>				Date: <u>1-13-23</u>				Received By: <u>Christian Linn</u>				Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:			
Relinquished By:				Date:				Received By:				REMARKS: <u>Nicholas Poole @ Tetra Tech. com</u>			
Delivered By:				Observed Temp. °C				Sample Condition				Turnaround Time:			
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Cool Intact				Bacteria (only) Sample Condition			
Relinquished By:				Date:				Received By:				Verbal Result:			
Relinquished By:				Date:				Received By:				REMARKS:			

APPENDIX E

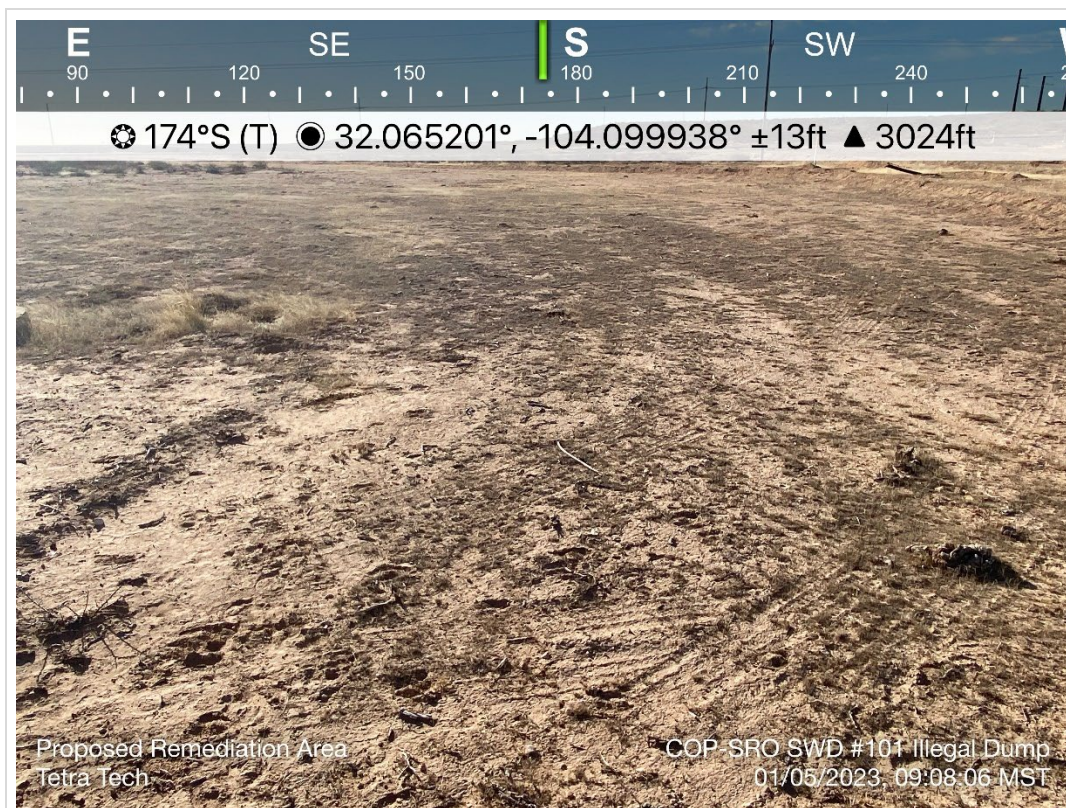
Photographic Documentation



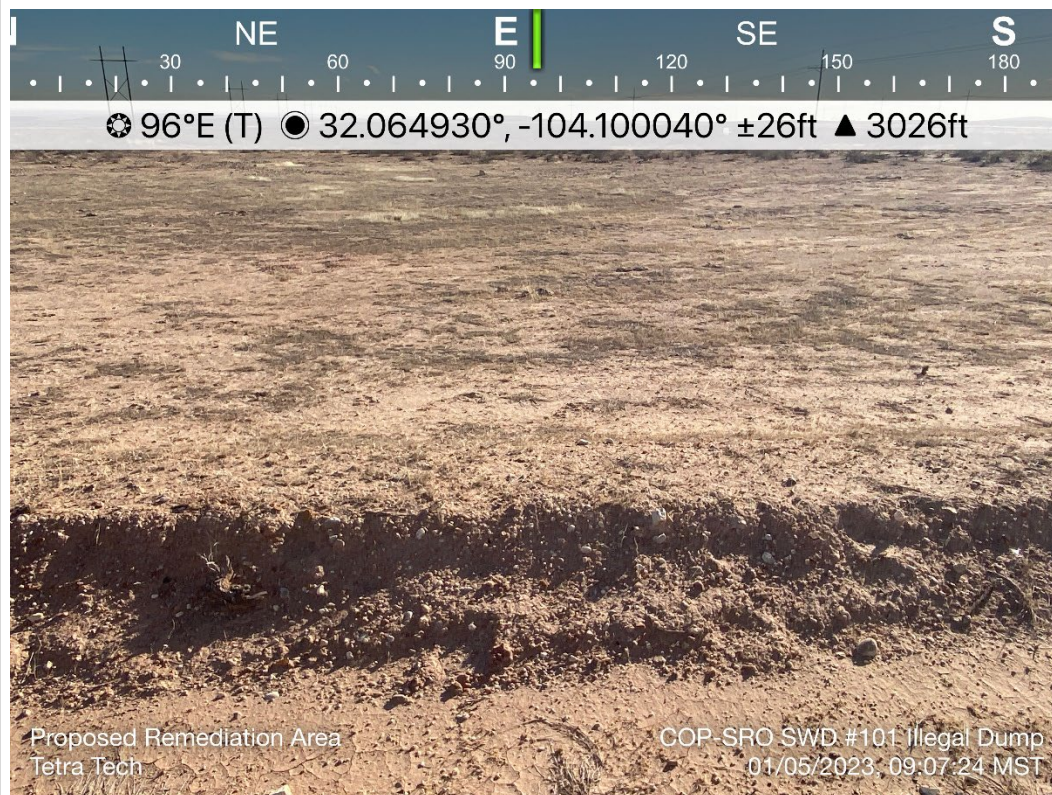
TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View north of the proposed remediation area. Sparse vegetation present.	1
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/05/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View north, location of subsurface Energy Transfer line. Proposed remediation area to the east of line location.	2
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/05/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View south of the proposed remediation area.	3
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/05/2023



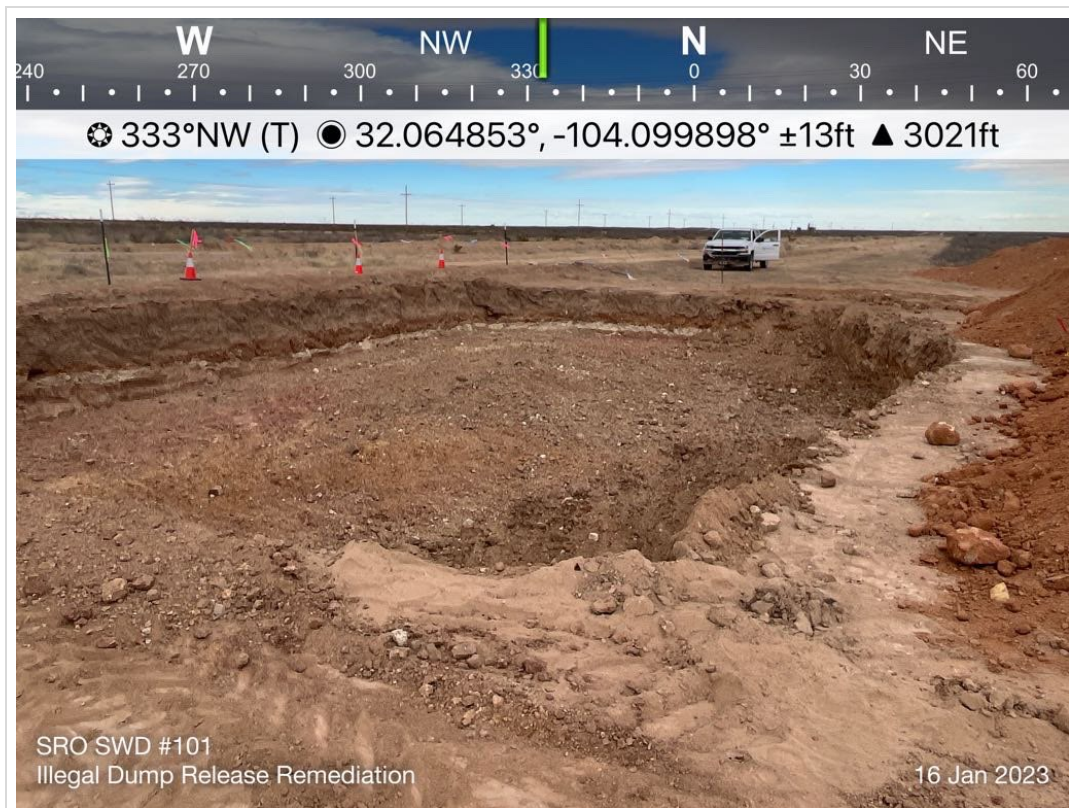
TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View east of the proposed remediation area, across bermed subsurface Energy Transfer line.	4
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/05/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	Northwest corner of the completed excavation looking southeast.	5
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/16/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	Northern edge of the completed excavation looking south.	6
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/16/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	Southeastern corner of the completed excavation looking northwest.	7
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/16/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	Southwestern corner of the completed excavation looking northeast.	8
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/16/2023



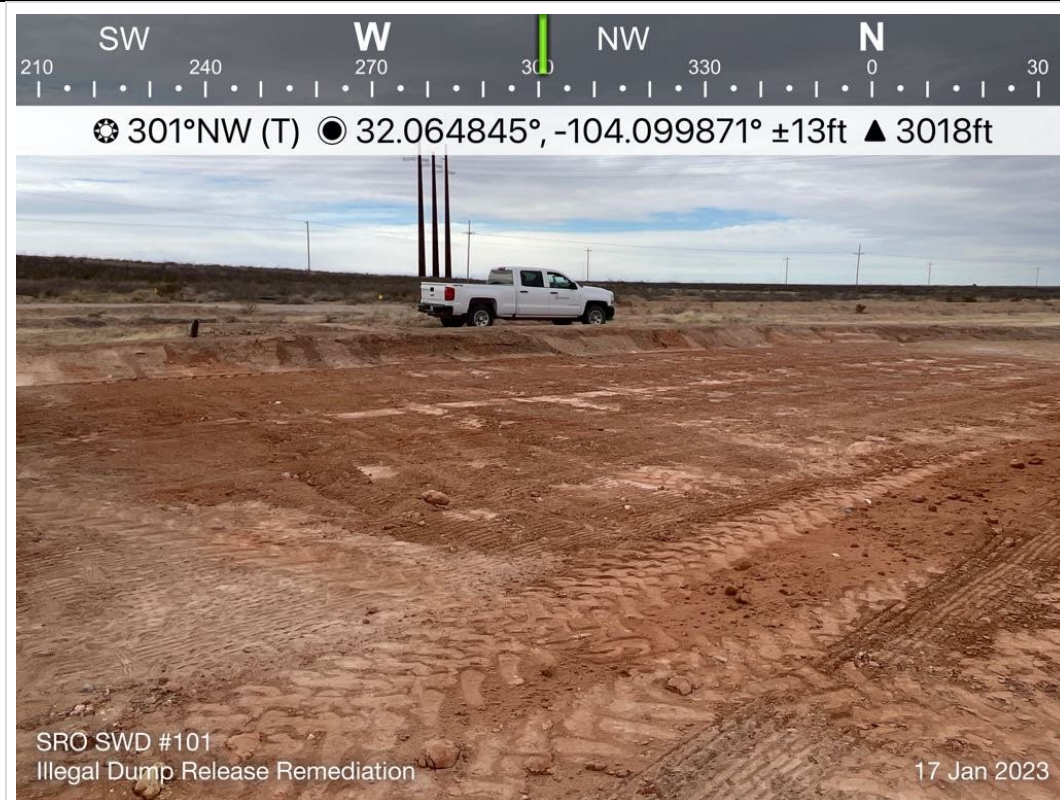
TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View north of backfilled and seeded excavation.	9
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View southeast of backfilled and seeded excavation.	10
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View south of backfilled and seeded excavation.	11
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02932	DESCRIPTION	View northwest of backfilled and seeded excavation.	12
	SITE NAME	ConocoPhillips SRO SWD #101 Illegal Dump	01/17/2023

APPENDIX F

Waste Manifests

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles BeauvaisPhone No. 575-988-2045**R360**
ENVIRONMENTAL
SOLUTIONS

(PLEASE PRINT)

REQUIRED INFORMATION

Operator No. <u>Conoco Phillips</u>	GENERATOR	NO. <u>276693</u>
Operators Name _____	Permit/PPC No. <u>Myox 5 state Com # 0024</u>	
Address _____	Lease/Well Name & No. _____	
City, State, Zip _____	County <u>30-015-43706</u>	
Phone No. _____	API No. _____	
	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES		

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCRP), Ignitability, Corrosivity and Reactivity.	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back
QUANTITY _____	B-BARRELS _____ YARDS <u>20</u> E-EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____ DATE _____ SIGNATURE _____

TRANSPORTER
Transporter's Name <u>SOR Enterprises</u>
Address _____
Phone No. _____
Driver's Name <u>Kyle Mayes</u>
Phone No. <u>575-491-6379</u>
Truck No. <u>038</u>
WHP No. <u>6993</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 1-13-23 DRIVER'S SIGNATURE Kyle Mayes DELIVERY DATE 1-13-23 DRIVER'S SIGNATURE Kyle Mayes

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: <u>1:31 pm</u> OUT: _____	Name/No. <u>D1</u>	

Site Name/Permit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239

Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) 7

TANK BOTTOMS	
1st Gauge _____	BS&W Received _____
2nd Gauge _____	Free Water _____
Received _____	Total Received _____
	BS&W (%) _____

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) ASlegkDATE 1-12-23TITLE RCVSIGNATURE MS

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles BealPhone No. 525-988-2022

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 276694Operator No. Conoco PhillipsPermit/PPC No. Myox 5 State Com #0024

Operators Name _____

Lease/Well _____

Address _____

Name & No. _____

City, State, Zip _____

County _____

Phone No. _____

API No. 30-015-43706

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____

Oil Based Cuttings _____

Water Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil ☒

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow Back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below threshold limits for toxicity (TCLE), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name SDR EnterprisesDriver's Name Kyle Mayes

Address _____

Phone No. 525-441-6274

Phone No. _____

Truck No. 038WHP No. 6993

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 1-13-23DRIVER'S SIGNATURE Kyle Mayes

TRUCK TIME STAMP

IN: 2:38 PM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D1Site Name/
Permit No.Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

☒ YES☐ NO

If YES, was reading > 50 micro roentgens? (Circle One)

☐ YES☒ NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

☒ ACCEPTED☐ DENIED

If denied, why?

NAME (PRINT) M. StephDATE 1-13-23TITLE RCURSIGNATURE MS

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles BarrioPhone No. 575-988-2041**R360**
ENVIRONMENTAL
SOLUTIONS

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATORNO. 276683

Operator No. _____

Permit/PPC No. _____

Operators Name Conoco Phillips

Lease/Well

Address _____

Name & No. _____

City, State, Zip _____

County

Phone No. _____

API No. 30-015-43706

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil

Gas Plant Waste

NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from **Non-Exempt Waste List** on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)



MSDS Information



RCRA Hazardous Waste Analysis



Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMPIN: 11:36 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. DISite Name/
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles B...Phone No. 575-968-2041**R360**
ENVIRONMENTAL
SOLUTIONS

(PLEASE PRINT)

REQUIRED INFORMATION

Operator No. <u>Conoco Phillips</u>	GENERATOR NO. <u>276712</u>
Operators Name _____	Permit/PPC No. <u>MSYO 45 State Com #032H</u>
Address _____	Lease/Well Name & No. _____
City, State, Zip _____	County <u>30-015-43706</u>
Phone No. _____	API No. _____
	Rig Name & No. _____
	AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil <u>✓</u>	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name <u>SPR Enterprise</u>	TRANSPORTER	Driver's Name <u>James B...</u>
Address _____		Phone No. <u>475-513-8161</u>
Phone No. _____		Truck No. <u>036</u>
		WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 1-13-23

DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: <u>1:34 pm</u> OUT: _____	DISPOSAL FACILITY	RECEIVING AREA Name/No. <u>DI</u>
---	-------------------	--------------------------------------

Site Name/ Permit No. <u>Red Bluff Facility / STF-065</u>	Phone No. <u>432-448-4239</u>
Address <u>5053 US Hwy 285, Orla, TX 79770</u>	

NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NONORM (mR/hr) 7

TANK BOTTOMS	
1st Gauge _____	BS&W Received _____
2nd Gauge _____	Free Water _____
Received _____	Total Received _____
Feet _____	BS&W (%) _____
Inches _____	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) m StephDATE 1-13-23TITLE RCVRSIGNATURE m Steph

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT) *REQUIRED INFORMATION*

Name CharlesPhone No. 575-468-2043

GENERATOR		NO. 276713
Operator No. <u>Condo Phillips</u>	Permit/PPC No. <u>04045</u>	Slack <u>1007 H 2224</u>
Operators Name _____	Lease/Well _____	
Address _____	Name & No. _____	
City, State, Zip _____	County _____	
Phone No. _____	API No. <u>30-015-43706</u>	
	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY _____ B-BARRELS _____ 20 YARDS _____ E-EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER	
Transporter's Name <u>SDA Enterprise</u>	Driver's Name <u>Xavier Lopez SA</u>
Address _____	Phone No. <u>575-538-6101</u>
Phone No. _____	Truck No. <u>032</u>
	WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: <u>2:50 pm</u> OUT: _____	DISPOSAL FACILITY	RECEIVING AREA Name/No. <u>302 DI</u>
---	--------------------------	---

Site Name/Permit No. Red Bluff Facility / STF-065

Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒NORM (mR/hr) 1

TANK BOTTOMS	
1st Gauge _____	BS&W Received _____
2nd Gauge _____	Free Water _____
Received _____	Total Received _____
	BS&W (%) _____

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles bequithPhone No. 575.988.2043

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 276682

Operator No. _____

Permit/PPC No. MY0X5 STATE Com # 02214Operator's Name CONOCO PHILLIPS

Lease/Well _____

Address _____

Name & No. _____

City, State, Zip _____

County _____

Phone No. _____

API No. 30-015-43706

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY: _____ B-BARRELS 20 Y-YARDS _____ E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40-CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name SDKDriver's Name Jaycob Rosales

Address _____

Phone No. 915.218.4277

Phone No. _____

Truck No. 52

WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:35 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. P1Site Name/Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NONORM (mR/hr) 7

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles BeauvaisPhone No. 575-988-2043

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 276685

Operator No. _____

Permit/PPC No. MYOXS State Com #022HOperators Name Conoco Phillips

Lease/Well _____

Address _____

Name & No. _____

City, State, Zip _____

County _____

Phone No. _____

API No. 20-015-43706

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY _____ B-BARRELS 20 Y-YARDS _____ E-EACH _____

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name SDR ENTERPRISES LLCDriver's Name TAYLOR ROSALES

Address _____

Phone No. 915-218-4277

Phone No. _____

Truck No. 52

WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 1:30 pm OUT: _____Name/No. DSite Name/ Red Bluff Facility / STF-065Phone No. 432-448-4239

Permit No. _____

Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information:

Name: Charles Beauvais

Phone No. 575 988 2043



(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 276690

Operator No. _____
 Operators Name: Conoco Phillips
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/PPC No. _____
 Lease/Well Name & No. Myor 5 State Com #1022H
 County 30-015-43706
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS _____ E-EACH _____

I hereby certify that the above listed material(s), is (are), not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: SDR Enterprises LLC
 Address _____
 Phone No. _____

Driver's Name: Frank A. Martinez
 Phone No. 575 988 2863
 Truck No. 044
 WHP No. 6993

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 2.29 pm OUT: _____Name/No. D1

Site Name/ Permit No. Red Bluff Facility / STF-065
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO
 NORM (mR/hr) 1.7

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Charles BeavertPhone No. 575 986 2043

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

Operator No. _____
 Operators Name Concepcion Phillips
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/PPC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

NO 276684
MYEX 5 State Com 10234

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY _____ B-BARRELS 20 Y-YARDS _____ E-EACH _____

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- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name SDR Enterprises LLC
 Address _____
 Phone No. _____

Driver's Name Frank A. MartinPhone No. 575 942 8063Truck No. 044WHP No. 6993

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 11:42 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 121

Site Name/Permit No. Red Bluff Facility / STF-065
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) ☒ YES ☐ NOIf YES, was reading > 50-micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W Received		BS&W (%)
Free Water		
Total Received		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Main Contact Information

Name Charles BequerisPhone No. 525988 2043

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **276689**

Operator No. _____

Operators Name ConocoPhillips

Address _____

City, State, Zip _____

Phone No. _____

Permit/PPC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

MYOKS State Com #022H30-015-43706

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name SDR Enterprises

Address _____

Phone No. _____

Driver's Name Frank A. MartiPhone No. 575-945-8663Truck No. 090WHP No. 10993

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 1:01 pm OUT: 3

DISPOSAL FACILITY

RECEIVING AREA

Site Name/Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 187621

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 187621
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/12/2023