

April 16, 2025

District Supervisor Oil Conservation Division, District 1 1625 N. French Drive Hobbs, New Mexico 88240

Re: Closure Report BTA Oil Producers, LLC Vacuum SWD H #035 Unit Letter H, Section 35, Township 17 South, Range 35 East Lea County, New Mexico Incident ID NAPP2313058428

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by BTA Oil Producers, LLC (BTA) to assess and evaluate current conditions associated with a historical release associated with the Vacuum SWD H #035 (API # 30-025-20207). The approximate release site coordinates are 32.793423°, -103.422657°, located in the Public Land Survey System (PLSS) Unit Letter H, Section 35, Township 17 South, Range 35 East, Lea County, New Mexico (Site). The Site location is shown in Figures 1 and 2. The site is located on State land.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report the release was discovered on 5/10/2023. These historical impacts were discovered during activities involving the installation of a pipeline associated with the Vacuum SWD H #035 (Site) saltwater disposal (SWD) tank battery. No data is available regarding the initial release or impacts. Based on the observed impact footprint, the release quantity more than likely breached the reportable volume threshold. The NMOCD received the initial C-141 on 5/26/2023 and subsequently assigned the release the Incident ID nAPP2313058428. The initial C-141 form is included in Appendix A.

LAND OWNERSHIP

As mentioned, the Site is located on State Trust Lands. The historical release was identified in the pasture; therefore, the release location was assessed to determine compliance with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. The NMSLO was notified of the potential disturbance of the pasture on a *Right of Entry Request for Remediation* form. The request included a copy of the Form C-141, a topographic location map, and a satellite image of the location. An Archaeological Records Management System (ARMS) review was performed for the right-of-way prior to pipeline construction. No cultural resources were identified within and/or around the release extent requiring remediation efforts. A Right of Way Easement (Number R-40581) was secured by BTA on March 24, 2023, which included the release area. The Right of Way Easement Permit is included in Appendix B.

ENSOLUM ASSESSMENT AND RECLAMATION WORK PLAN

On behalf of BTA, Ensolum, LLC (Ensolum), was initially contracted to assess the impacts at the Site. The approximate release extent was identified based on information provided by BTA representatives, a review of photographs, and visual observations made in the field.

BTA Oil Producers, LLC

Ensolum was on site to conduct assessment activities on May 18, 2023. Ensolum advanced one soil boring (BH01) via hand auger to a depth of 3 feet bgs (Figure 3). Two samples were taken from BH01 at depths of 1 foot and 3 feet bgs. Soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for chloride analysis via Standard Method SM4500CI-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Laboratory analytical results associated with BH01 were above the NMOCD reclamation requirements for chloride (600 mg/kg) and/or TPH (100 mg/kg). As a result, additional delineation activities appeared to be warranted. Soil analytical results are summarized in Table 1. The laboratory analytical report is included in Appendix B as part of the Ensolum Work Plan.

Ensolum remobilized to the site on June 28 and July 5, 2023, to complete delineation efforts. Five potholes (PH01 through PH05) were advanced via backhoe and trackhoe. Pothole PH01 was advanced in the vicinity of soil boring BH01 to a maximum depth of 18 feet bgs. Potholes PH02 through PH05 were advanced in all four cardinal directions of pothole PH01 to depths ranging from 2 feet to 4 feet bgs. The locations of the potholes are depicted in Figure 3. Soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for chloride analysis via Standard Method SM4500CI-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Laboratory analytical results associated with PH01, PH03, and PH05 were above the NMOCD reclamation requirements for chloride (600 mg/kg) and/or TPH (100 mg/kg).

Vertical and horizontal delineation was not achieved therefore, Ensolum contracted Cascade Environmental (Cascade) to advance deeper into the subsurface. Ensolum and Cascade advanced potholes PH01, PH02, and PH04 and installed four additional lateral borings (PH06 through PH09) utilizing a Terrasonic® 150cc drill rig. Original potholes PH01, PH02, and PH04 were deepened to approximately 50 feet bgs. Groundwater was encountered in pothole PH02 at 56.2 feet bgs. Potholes PH06 through PH09 were advanced to depths ranging from 18 feet to 59 feet bgs. Soil samples collected throughout the drilling process were screened and select soil samples were submitted for laboratory analysis of BTEX, TPH, and chloride. The location of the potholes/soil borings are depicted in Figure 3.

A copy of the Ensolum Remediation Work Plan is included in Appendix B. Results from the 2023 soil assessment are summarized in Table 1.

Based on the site assessment results, Ensolum prepared and submitted a Remediation Work Plan to the NMSLO in March 2024. In the report, Ensolum proposes the following:

- Excavate hydrocarbon-impacted soil in the release area to approximately 6 feet bgs, which is the depth to which elevated BTEX concentrations exist.
- Following excavation activities, 5-point composite soil samples will be collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The composite soil samples will be handled and analyzed as described above.
- While TPH is present in soil in the vicinity of pothole/soil boring PH01 at concentrations exceeding the Closure Criteria to a total depth of 18 feet bgs, the soil is a poorly to moderately cemented caliche unit that is not conducive to remediate by excavation. There is approximately 38 feet of non-impacted soil between the terminus of TPH impacts and groundwater table. As such, BTA is requesting a variance to leave TPH-impacted soil in-place and install a 20-mil poly liner at the base of the excavation. The liner will minimize vertical migration of residual TPH concentrations from surface infiltration of precipitation. While the caliche is poorly to moderately cemented, there is sufficient pore space for natural vadose zone air flow and microbial activity to support natural attenuation through volatilization and biodegradation. In requesting a variance request, BTA has to show the remedial action provides equal or better protection to the environment. BTA believes the application of excavation and disposal of impacted soil would be less protective of the environment than leaving in place due to the extraordinary effort to excavate 9 feet of poorly to moderately cemented caliche. This would require a lengthy time period to excavate with a trackhoe, which

would utilize more fuel and increase its emissions. In addition, the volume of impacted soil would require additional trucking to transport the soil to an approved landfill and backfilling with new caliche, affecting roadway traffic, roadway conditions, and additional emissions to the atmosphere. Leaving the residual impacts in place will allow for natural attenuation and protect the environment equally, if not better. The liner will present a barrier to human and/or wildlife contact and retard vertical migration of TPH to groundwater, which is equally protective. Groundwater is over 38 feet beneath the terminus of impacts, which is sufficient to be protective of groundwater, especially with the installation of a liner.

• Following excavation activities and the installation of a liner, BTA will backfill the excavation with locally sourced material and follow the reclamation plan described below.

REMEDIATION WORK PLAN REJECTION

Ensolum submitted the Remediation Work Plan on the OCD portal on 03/19/2024 and was subsequently denied the same day by the NMOCD with the following comments:

- Synthetic liners that are placed on top of contamination as a remediation variance in an effort solely to ensure contamination doesn't migrate further is not equal or better protection, as the contamination will remain in place.
- Variances with a liner request solely to reduce cleanup will be denied.
- OCD may also require landowner concurrence for any variance request to permanently leave contamination in place.
- Soil standards below 4 feet must be delineated/remediated to Table I Closure Criteria for the approved site-specific depth to groundwater.
- A surface visual footprint alone is not sufficient when assessing the horizontal extent of the release.
- Laboratory data must be provided as evidence of delineation efforts.

SITE CHARACTERIZATION

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

DTW DETERMINATION

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. Groundwater was encountered beneath the Site at a depth of 56.2 feet bgs in pothole/soil boring PH02, located north of the release. In addition, the closest groundwater well with depth to groundwater data is United States Geological Survey (USGS) well number 324745103251501, located approximately 1,858 feet northwest of the Site. The well has a measured depth to groundwater of 58.5 feet bgs and a total depth of 121 feet bgs. Based on this data, groundwater beneath the Site has been reasonably determined to be between 51 feet and 100 feet bgs. The boring log is presented in Appendix B.

REGULATORY FRAMEWORK

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

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

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

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

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

REVISED REMEDIATION WORK PLAN

Based on previously collected data and available aerial imagery, Tetra Tech revised the approximate release extent as shown in Figure 4. Based on the previously submitted Work Plan and data collected by Ensolum, impacted soils were proposed to be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 20 feet bgs or until a representative sample from the walls and bottom of the excavation is below the applicable reclamation requirements and/or RRALs. The estimated total volume of material to be remediated was approximately 679 cubic yards.

A REVISED Release Characterization and Remediation Work Plan (Work Plan) was prepared by Tetra Tech on behalf of BTA and submitted to NMOCD on January 24, 2025. The Work Plan was approved by Scott Rodgers of the NMOCD on February 4, 2025, with the following conditions:

- The Remediation Plan is Conditionally Approved.
- All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2.
- All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Please note that
 at least one (1) representative 5-point composite sample will need to be collected from the backfill
 material that will be used for the reclamation of the top four feet of the excavation.
- The work will need to occur in 90 days after the work plan has been reviewed.

The NMOCD-approved Work Plan was submitted via email to Tami Knight of the New Mexico State Land Office (NMSLO) Environmental Compliance Office (ECO) on February 5, 2025. The Work Plan was approved by ECO on February 7, 2025.

Regulatory correspondence is included in Appendix C.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

From February 13 to February 26, 2025, Tetra Tech personnel were onsite to supervise the remediation and reclamation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. On February 10, 2025, the NMOCD and ECO were provided proper notification of confirmation sampling. Documentation of associated regulatory correspondence is included in Appendix C.

Impacted soils were excavated as indicated in Figure 5. The areas within the release footprint were excavated to a maximum depth of 22 feet below surrounding grade. Photographs from the excavated areas prior to backfill are provided in Appendix D.

All excavated material was transported off-site for proper disposal. Approximately 1428 cubic yards of material were transported to the R360 Halfway Landfill in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix E.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify the efficacy of remediation activities. Per the NMOCD-approved confirmation sampling plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. A total of fourteen (14) confirmation floor sample locations and eight (8) confirmation sidewall sample locations were used during remedial activities. Confirmation sidewall sample locations were categorized by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths, and confirmation sample locations are indicated in Figure 5.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the established Site RRALs and/or Reclamation Requirements to demonstrate compliance.

The results of the February 2025 confirmation sampling events are summarized in Table 2. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

RECLAMATION ACTIVITIES

Based on 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-ofcustody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500CI-B. The analytical results were directly compared to the reclamation requirements and established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. The results of the February 2025 confirmation sampling events are summarized in Table 2. Excavated areas, depths, and confirmation sample locations are indicated in Figure 5. The reclaimed area is indicated in Figure 6.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The area was seeded following backfilling to aid in revegetation. Based on the soils of the site, the NMSLO Course (CS) Seed Mixture was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site. Soil backfill composite sampling results are summarized in Table 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

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

Page 6 of 392

CONCLUSION

BTA respectfully requests approval of this report and closure of the incident based on the confirmation sampling results and remedial activities performed. The C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment or the remediation activities for the Site, please call me at (512) 788-2948.

Sincerely, **Tetra Tech, Inc.**

Jointhe dhe

Samantha Allen Project Manager

Christian M, Llull, P.G. Senior Project Manager

cc: Mr. Ray Ramos – BTA

.

BTA Oil Producers, LLC

LIST OF ATTACHMENTS

Figures:

- Figure 1 Overview Map
- Figure 2 Site Location/Topographic Map
- Figure 3 Approximate Release Extent and Site Assessment (Ensolum)
- Figure 4 Revised Release Extent (Tetra Tech)
- Figure 5 Remediation and Confirmation Sample
- Figure 6 Reclamation Extent

Tables:

- Table 1 Summary of Analytical Results 2023 Ensolum Soil Assessment
- Table 2 Summary of Analytical Results 2025 Confirmation Sampling
- Table 3 Summary of Analytical Results Soil Backfill

Appendices:

Appendix A – Initial C-141 Form

Appendix B – Ensolum Remediation Work Plan

Appendix C – Regulatory Correspondence

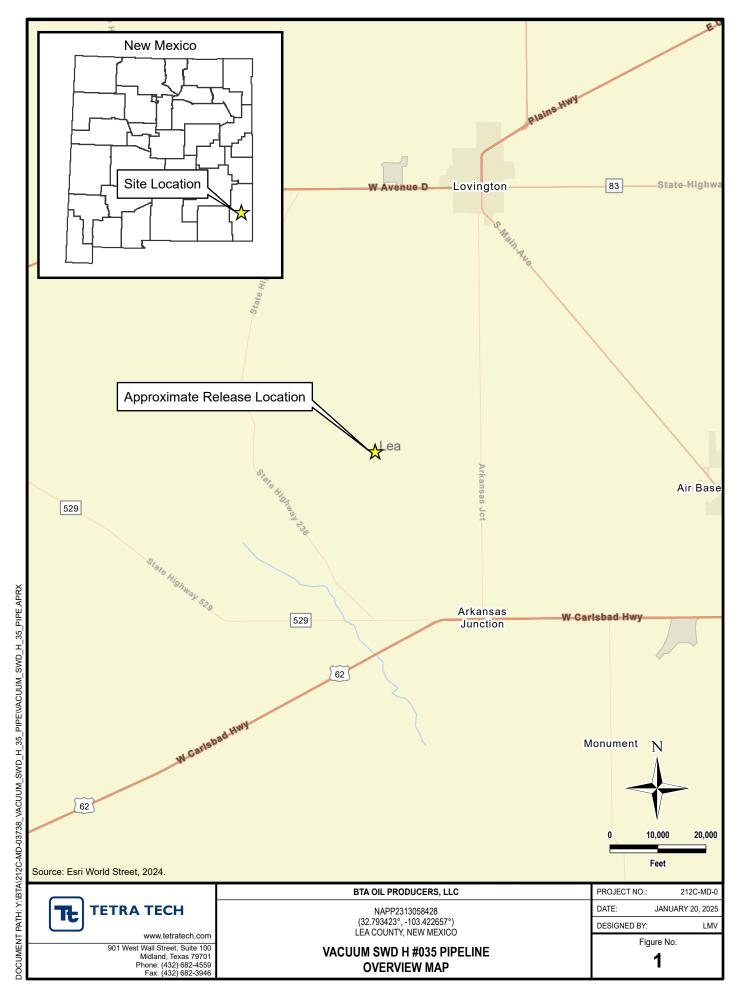
Appendix D – Photographic Documentation

Appendix E – Waste Manifests

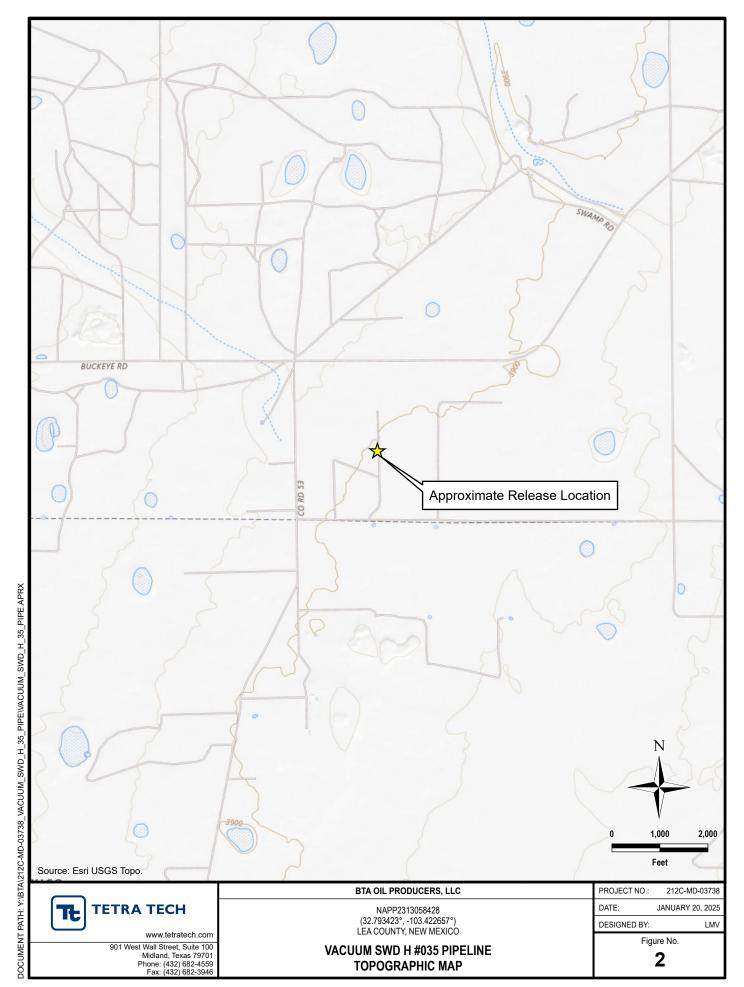
Appendix F – Laboratory Analytical Data

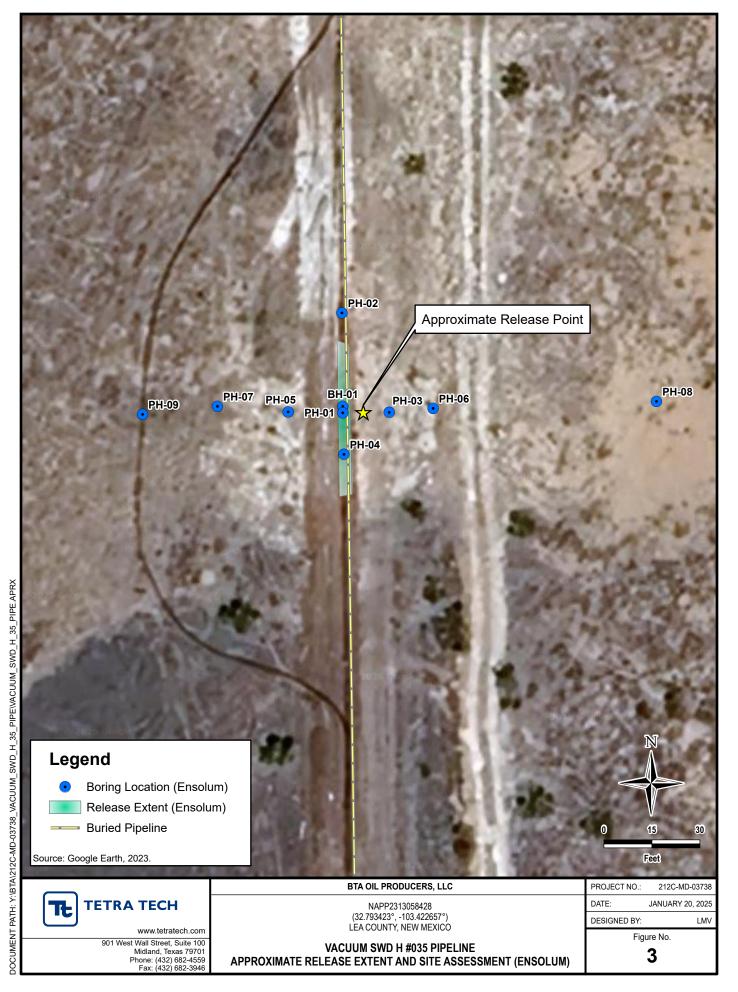
Appendix G – NMSLO Seed Mixture Details

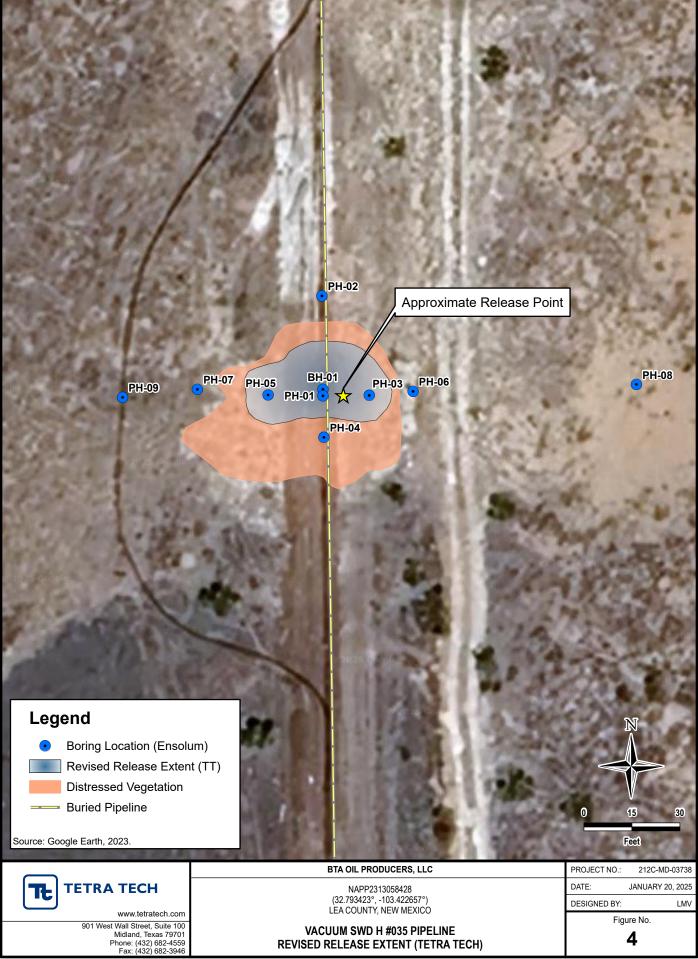
FIGURES

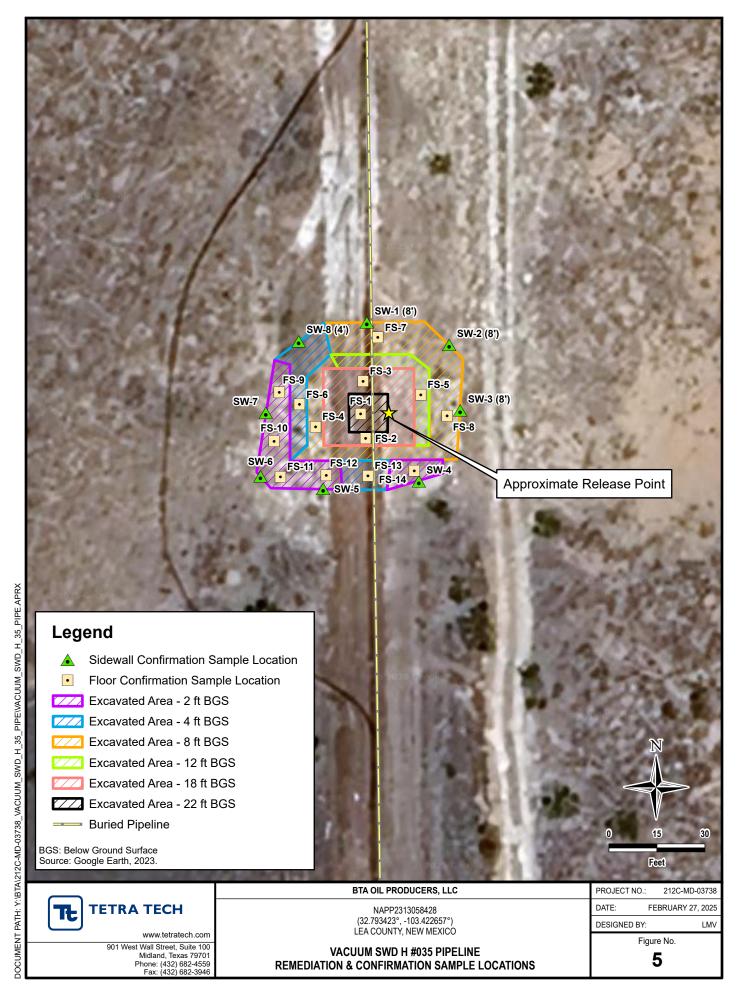


Released to Imaging: 5/1/2025 11:46:21 AM

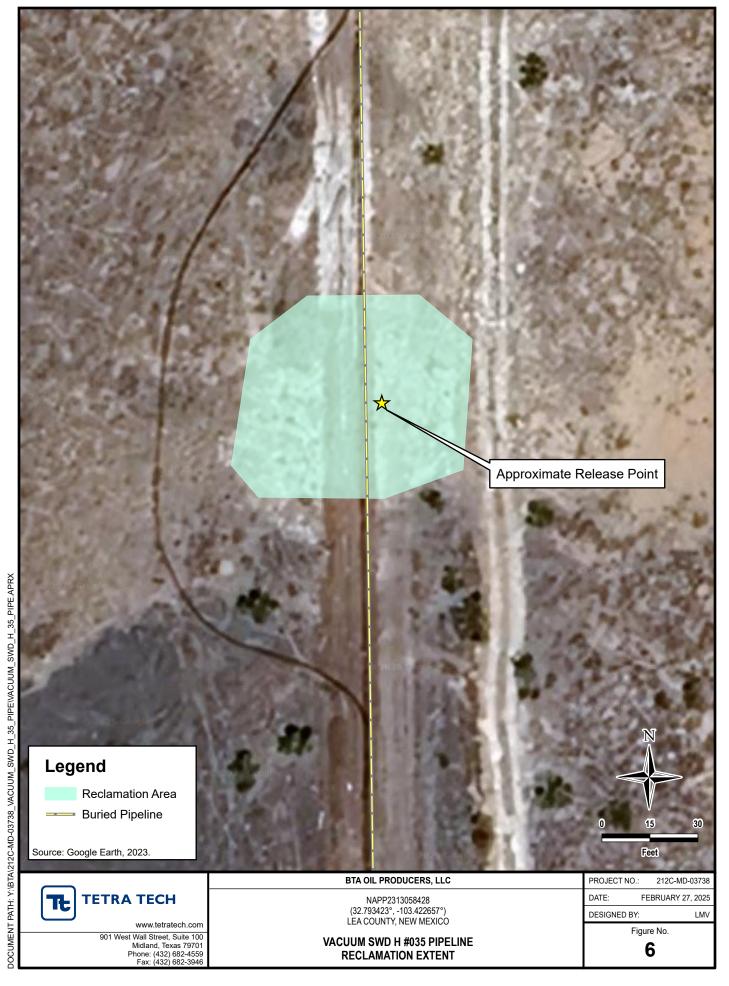








Released to Imaging: 5/1/2025 11:46:21 AM



TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- nAPP2313058428 BTA OIL PRODUCERS, LLC VACUUM SWD H #035 LEA COUNTY, NM

				BT	EX ²			Chlorides ¹								
NMOCD Table	e I Closure Criteria (NN	IAC 19.15.29)	< 10 mg/		< 50 mg	/kg					TPH ³		< 100 mg/kg	<1,000 mg/kg	< 10,000 r	
		Sample Depth					GRO			DRO	EXT DF	RO	Total TPH			
Sample ID	Sample Date	Interval	Benzen	e	Total B	TEX	C ₆ - C ₁	10	> C	₁₀ - C ₂₈	> C ₂₈ - 0	C ₃₆	(GRO+DRO+EXT DRO)	GRO+DRO	Chloride	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	mg/kg	Q
BH01	5/18/2023	1	<0.050		1.15		<100		11,600		5,180		16,780	11,600	1,090	
BH01A	5/18/2023	3	<0.100		27.8		378		7,860		2,060		10,298	8,238	6,530	
PH01*	6/28/2023	2.5	<0.050		0.623		<50.0		15,500		4,990		20,490	15,500	4,040	
PH01A*	6/28/2023	3	0.477		27.1		221		3,320		1,070		4,611	3,541	3,440	
PH01B	6/28/2023	4	2.61		187		2,690		19,800		5,510		28,000	22,490	2,200	
PH01C	7/5/2023	6	<0.500		70.9		2,350		15,900		3,200		21,450	18,250	3,040	
PH01D	7/5/2023	10	0.064		12.3		1,200		11,900		2,580		15,680	13,100	3,280	
PH01E	7/5/2023	14	<0.050		0.468		14		728		201		943	742	4,560	
PH01F	7/5/2023	18	<0.050		3.07		76		2,030		629		2,735	2,106	4,000	
PH01G	9/19/2023	25	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	960	
PH01H	9/19/2023	35	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	688	
PH01I	9/19/2023	40	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	768	
PH01J	9/19/2023	46	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	1,800	
PH01K	9/19/2023	49	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	2,080	
PH01L	9/19/2023	50	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	2,360	
PH01M	9/21/2023	55	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	112	
PH02	6/28/2023	4	<0.050		0.488		<10.0		<10.0		<10.0		<10.0	<10.0	32	Ι
PH02A	9/19/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	192	
PH02B	9/19/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	160	
PH02C	9/19/2023	25	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	320	
PH02D	9/19/2023	35	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	208	
PH02E	9/19/2023	40	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	176	
PH02F	9/19/2023	50	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	192	
PH02G	9/20/2023	59	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32	
PH03*	6/28/2023	0.5	<0.050		<0.300		<50.0		604	QM-07, QR-03	599		1,203	604	80	
PH03A*	6/28/2023	2	1.26		102		1,160		11,100		3,070		15,330	12,260	384	
PH04	6/28/2023	4	<0.050		<0.300		<10.0		16.9		29.6		46.5	16.9	<16.0	
PH04A	9/20/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	64.0	
PH04B	9/20/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH04C	9/20/2023	25	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	368	
PH04D	9/20/2023	35	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	80.0	
PH04E	9/20/2023	40	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH04F	9/20/2023	50	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH05*	6/28/2023	0.5	<0.050		<0.300		<10.0		625		643		1,268	625	<16.0	
PH05A*	6/28/2023	2	<0.050		<0.300		<10.0		775		762		1,537	775	272.0	

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- nAPP2313058428 BTA OIL PRODUCERS, LLC VACUUM SWD H #035 LEA COUNTY, NM

				BT	EX ²			Chlorides ¹								
NMOCD Table	e I Closure Criteria (NM	IAC 19.15.29)	< 10 mg/		< 50 mg	/kg					TPH ³		< 100 mg/kg	<1,000 mg/kg	< 10,000 n	
		Sample Depth					GRO			DRO	EXT DF	RO	Total TPH			
Sample ID	Sample Date	Interval	Benzen	ie	Total B	TEX	C ₆ - C ₁	C ₆ - C ₁₀		> C ₁₀ - C ₂₈		C ₃₆	(GRO+DRO+EXT DRO)	GRO+DRO	Chlorid	de
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	mg/kg	Q
PH06	9/20/2023	4	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	272	
PH06A	9/20/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	800	
PH06B	9/20/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	1,540	
PH06C	9/20/2023	20	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	1,260	
PH07	9/20/2023	4	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	80	
PH07A	9/21/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	768	
PH07B	9/21/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	1,720	
PH07C	9/21/2023	20	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	3,680	
PH08*	10/19/2023	0.5	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	<16.0	
PH08A*	10/19/2023	2	<0.050		< 0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08B	10/19/2023	4	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08C	10/19/2023	6	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08D	10/19/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08E	10/19/2023	14	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08F	10/19/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08G	10/19/2023	20	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08H	10/19/2023	25	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08I	10/19/2023	30	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08J	10/19/2023	35	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08K	10/19/2023	40	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08L	10/19/2023	45	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH08M	10/19/2023	50	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08N	10/19/2023	52	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH08O	10/19/2023	55	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH09*	10/20/2023	0.5	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH09A*	10/20/2023	2	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH09B	10/20/2023	4	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH09C	10/20/2023	6	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH09D	10/20/2023	10	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
PH09E	10/20/2023	14	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	<16.0	
PH09F	10/20/2023	18	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0	
PH09G	10/20/2023	20	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	
РНО9Н	10/20/2023	25	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	80.0	
PH09I	10/20/2023	30	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	96.0	
РН09Ј	10/20/2023	35	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	112.0	
РНО9К	10/20/2023	40	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0	

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- nAPP2313058428 BTA OIL PRODUCERS, LLC VACUUM SWD H #035 LEA COUNTY, NM

	e I Closure Criteria (NM	AC 10 1E 20)		BT	EX ²			TPH ³										
NWOCD Table	e i closure criteria (Nivi	AC 19.15.29)	< 10 mg	/kg	< 50 mg	/kg	GRO		DRO		EXT DRO		< 100 mg/kg	<1,000 mg/kg	< 10,000 r	mg/kg		
		Sample Depth	Benzei	10	Total B	TFX	GRO		L			.0	Total TPH	GRO+DRO	Chlori	ide		
Sample ID	Sample Date	Interval	Delizei		Total D		C ₆ - C ₁	10	> C	₁₀ - C ₂₈	> C ₂₈ - 0	C ₃₆	(GRO+DRO+EXT DRO)		chion	ue		
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	mg/kg	Q		
PH09L	10/20/2023	45	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0			
PH09M	10/20/2023	50	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	16.0			
PH09N	10/20/2023	52	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0			
PH09O	10/20/2023	55	<0.050		<0.300		<10.0		<10.0		<10.0		<10.0	<10.0	32.0			

NOTES:

ft. Feet

Below ground surface bgs

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons TPH

GRO Gasoline range organics

DRO Diesel range organics

Method SM4500Cl-B 1

Method 8021B 2

3 Method 8015M

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

Shaded rows indicate intervals proposed for excavation.

recovery.

QUALIFIERS:

QM-07,

QR-03

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

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

TABLE 2 SUMMARY OF ANALYTICAL RESULTS SOIL REMEDIATION - nAPP2313058428 **BTA OIL PRODUCERS** VACUUM SWD H #035 LEA COUNTY, NM

						BTEX ²									TPH ³								
		Sample Depth	Chlori	de					5 .1 11						GRO		DRO		EXT DF	RO	(000,000)	Total TPH	
Sample ID	Sample Date				Benzei	ne	Tolue	ne	Ethylbe	nzene	Total Xy	lenes	Total B	IEX	$C_6 - C_{10} > C_{10} - C_{28}$			C ₂₈	> C ₂₈ - C ₃₆		(GRO+DRO)	(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	Q	mg'kg	mg/kg	
FS-1	2/18/2025	20	2030		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1310		347		1,310	1,657	
*FS-1 (22')	2/21/2025	22	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		28		<10.0		28	28	
FS-2	2/18/2025	16	2,160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1,090		438		1,090	1,528	
*FS-2 (18')	2/21/2025	18	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-3	2/18/2025	12	640	S-04	<0.100		1	GC-NC1	1	GC-NC1	8	GC-NC1	<9.22	GC-NC1	434		7,840		1,530		8,274	9,804	
*FS-3 (18')	2/21/2025	18	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-4	2/14/2025	8	704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-5	2/18/2025	8	1,650	S-04	<0.050		0	GC-NC1	0	GC-NC1	1	GC-NC1	1	GC-NC1	93		7,210		1,540		7,303	8,843	
*FS-5 (12')	2/21/2025	12	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-6	2/14/2025	4	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-7	2/18/2025	4	320		<0.050		<0.050		0	GC-NC1	<0.150		<0.300		<10.0		1,830		476		1,830	2,306	
*FS-7 (8')	2/21/2025	8	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-8	2/18/2025	4	480		<0.050		0	GC-NC1	1	GC-NC1	1	GC-NC1	2	GC-NC1	27		2,580		1,230		2,607	3,837	
*FS-8 (8')	2/21/2025	8	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-9	2/14/2025	2	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-10	2/14/2025	2	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-11	2/14/2025	2	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12		14		-	26	
FS-12	2/14/2025	2	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17		17		-	34	
FS-13	2/14/2025	2	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		272		227			499	
*FS-13 (4)	2/20/2025	4	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
FS-14	2/14/2025	2	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		20		12		-	32	
SW-1	2/18/2025	-	1,790		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1,170		309		1,170	1,479	
*SW-1 (8')	2/21/2025	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-2	2/18/2025	-	2,030		<0.050		<0.050		0	GC-NC1	0	GC-NC1	0	GC-NC1	<10.0		1,360		355		1,360	1,715	
*SW-2 (8')	2/21/2025	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-3	2/18/2025	-	2,130		<0.050		<0.050		0	GC-NC1	<0.150		<0.300		<10.0		1,680		435		1,680	2,115	
*SW-3 (8')	2/21/2025	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-4	2/14/2025	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-5	2/14/2025	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-6	2/14/2025	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-7	2/14/2025	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-	
SW-8	2/18/2025	-	2,210		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1,270		494		1,270	1,764	
*SW-8 (4')	2/21/2025	-	80		16		<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

Gasoline range organics GRO

DRO Diesel range organics

Method SM4500CI-B 1

Method 8021B 2

Method 8015M 3

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

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

.

TABLE 3 SUMMARY OF ANALYTICAL RESULTS SOIL BACKFILL - nAPP2313058428 BTA OIL PRODUCERS VACUUM SWD H #035 LEA COUNTY, NM

					BTEX ²								TPH ³								
Sample ID	Sample Date	Chlorid	e1	Benzer	20	Toluor		Ethylbon	7000	Total Vul	2005	Total BT	EV	GRO		DRO		EXT DR	0	Total TPH	
Sample ID	Sample Date			Delizer	le	Toluer	Toluene		Ethylbenzene		Total Xylenes		TOTALDIEA		0	> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(GRO+DRO+EXT DRO)	
		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BOYD PIT STOCK PILE	2/18/2025	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

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 Initial C-141 Form

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2313058428
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297						
Contact Name: Nathan Sirgo	Contact Telephone: (432) 682-3753						
Contact email: nsirgo@btaoil.com	Incident # (assigned by OCD)						
Contact mailing address: 104 South Pecos St. Midland, TX 79701							

Location of Release Source

Latitude	32.793423	Longitude103.422657(NAD 83 in decimal degrees to 5 decimal places)	
Site Name: V	Cacuum SWD H #035	Site Type: Pipeline	
Date Release	Discovered: 5/10/2023	API# (if applicable) 30-025-20207	

Unit Letter	Section	Township	Range	County
Н	35	17S	35E	Lea

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

 Crude Oil
 Volume Released (bbls)
 Unkown
 Volume Recovered (bbls)
 0

	Volume Released (bois) Unkown	volume Recovered (bols) 0
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	liscovered during the pipeline installation process of the mined on 5/10/2023 based on the impacted area footpri old.	

Page 2

Oil Conservation Division

Incident ID	nAPP2313058428
District RP	
Facility ID	
Application ID	

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

Initial Response

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

 \square The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Nathan J. Sirgo	Title: Operations Manager				
Signature: Martan J. G	Date: 5/16/2023				
email: nsirgo@btaoil.com	Telephone: 432-682-3753				
OCD Only					
Received by: Jocelyn Harimon	Date: 05/26/2023				

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

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	220989
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141	5/26/2023

Action 220989

APPENDIX B Ensolum Remediation Work Plan



December 4, 2023

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

Re: Remediation Work Plan Vacuum SWD H #035 Pipeline Incident Number nAPP2313058428 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Remediation Work Plan* (*Work Plan*) to document assessment activities and propose remedial actions for soil impacts related to a historical release of crude oil. The impacts were encountered during construction of a new pipeline associated with the Vacuum SWD H #035 (Site).

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 35, Township 17 South, Range 35 East, in Lea County, New Mexico (32.793423°, -103.422657°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land managed by the New Mexico State Land Office (NMSLO).

The Site is situated adjacent to a lease road with no active oil and gas production equipment and/or flowlines. On May 10, 2023, presumed historical impacts were identified during the installation of a pipeline associated with a saltwater disposal (SWD) tank battery. Based on soil type and using visual observations to estimate the extent of impacted soil, the historical release appeared to be greater than 5 barrels (bbls) and, therefore, reportable. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 (Form C-141) on May 16, 2023. The release was assigned Incident Number nAPP2313058428.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on Site-specific observations and the closest groundwater well data. Groundwater was encountered beneath the Site at a depth of 56.2 feet bgs in pothole/soil boring PH02, located upgradient of the release. In addition, the closest groundwater well with depth to groundwater data is United States Geological Survey (USGS) well number 324745103251501, located approximately 1,858 feet northwest

of the Site. The well has a measured depth to groundwater of 58.5 feet bgs and a total depth of 121 feet bgs. Based on these data, groundwater beneath the Site has been reasonably determined to be between 51 feet and 100 feet bgs. The lithologic/soil sampling log for pothole/soil boring PH02 is included in Appendix A. All wells used for depth to water determination are depicted on Figure 1 and the referenced well record is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply for the following chemicals of concern (COCs):

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH) gasoline range organics (GRO) and TPH diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kg
- Chloride: 10,00 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH is applied to the top 4 feet of the pasture area per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

CULTURAL RESOURCES SURVEY

Since the historical release was identified in the pasture, the release location was assessed for determination of whether the release encroached into undisturbed areas to comply with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. The NMSLO was notified of potential disturbance of the pasture on a *Right of Entry Request for Remediation* form. The request included a copy of the Form C-141, a topographic location map, and a satellite image of the location. An Archaeological Records Management System (ARMS) review was performed for the right-of-way prior to pipeline construction. No cultural resources were identified within and/or around the release extent requiring remediation efforts. A Right Of Way Easement (Number R-40581) was secured by BTA on March 24, 2023, which included the release area. The Right of Way Easement Permit, is included in Appendix C.

DELINEATION ACTIVITIES

Ensolum visited the Site on May 18, 2023, to assess the impacted soil exposed by BTA. Ensolum advanced one soil boring (BH01) via hand auger to a depth of 3 feet bgs (Figure 2). Soil samples from soil boring BH01 were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. Field screening results and observations were logged on a lithologic/soil sampling log, which is included in Appendix A. The soil sample location was mapped utilizing a handheld Global Positioning System (GPS) unit. Photographic documentation was completed during the site visit and a photographic log is included in Appendix D.



Soil samples for laboratory analysis were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results indicated concentrations of TPH-GRO and TPH-DRO as well as total TPH exceeded the Closure Criteria in the soil samples submitted from soil boring BH01. In addition, the chloride concentration in soil from the two samples exceeded the reclamation requirement. As a result, additional delineation activities appeared warranted. Soil analytical results are summarized in Table 1. The laboratory analytical report is included in Appendix E.

Ensolum returned to the Site on June 28 and July 5, 2023, to delineate impacted soil detected in soil boring BH01. Five potholes (PH01 through PH05) were advanced via backhoe and trackhoe. Pothole PH01 was advanced in the vicinity of soil boring BH01 to a depth of 18 feet bgs, the maximum depth of the trackhoe. Potholes PH02 through PH05 were advanced in all four cardinal directions of pothole PH01 to depths ranging from 2 feet to 4 feet bgs. The locations of the potholes are depicted on Figure 2. Observations and field screenings were documented for each pothole on lithologic/soil sampling logs, which are included in Appendix A. Soil samples from the four potholes were submitted for laboratory analysis of BTEX, TPH, and chloride.

Based on soil analytical results, it appeared vertical and lateral delineation was not achieved. As such, Ensolum contracted Cascade Environmental (Cascade) to advance deeper into the subsurface. Ensolum and Cascade advanced potholes PH01, PH02, and PH04 and installed four additional lateral borings (PH06 through PH09) utilizing a Terrasonic[®] 150cc drill rig. Original potholes PH01, PH02, and PH04 were deepened to at least 50 feet bgs. Groundwater was encountered in pothole PH02 at 56.2 feet bgs. New borings PH06 through PH09 were advanced to depths ranging from 18 feet to 59 feet bgs. Soil samples collected throughout the drilling process were screened for VOCs and chloride and select soil samples were submitted for laboratory analysis of BTEX, TPH, and chloride. The location of the potholes/soil borings are depicted on Figure 2.

RESULTS

Laboratory analytical results for pothole PH01 indicated concentrations of all COCs exceeded Closure Criteria in the upper 20 feet of the subsurface. Samples collected below that depth were in compliance with the Closure Criteria. Chloride was vertically delineated to 600 mg/kg in pothole PH01 in the sample collected from 55 feet bgs. No groundwater was observed in PH01 and the sample depth is above the depth of groundwater observed in pothole PH02. Laboratory analytical results for all other samples collected with the sonic drill rig indicated all COCs were in compliance with Closure Criteria and provided lateral definition of the historical release.

Based on all soil samples collected, impacted soil is characterized by concentrations of BTEX and TPH exceeding the Closure Criteria from just under the ground surface to approximately 18 feet bgs in the estimated release extent. Additionally, chloride exceeds the reclamation requirement in the top 4 feet. The impacts extend outward approximately 20 feet east and west, less than 30 feet to the north and less than 20 feet to the south. Soil analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix E.

Although groundwater was observed in PH02, it does not appear to be in contact with the impacted soil. Soil observed at the Site generally consisted of poorly graded, very fine to fine-grained sand from the ground surface to depths ranging from 1-foot to 8 feet bgs. A poorly to moderately cemented caliche



was observed beneath the sand to a depth of approximately 52 feet bgs, which was followed by a poorly graded sand. Groundwater appeared to be a lower portion of the deepest sand-bearing unit.

PROPOSED REMEDIAL ACTIONS

While BTA is not aware of the source or origin of this historical release, BTA has communicated with NMOCD and NMSLO to identify a practical remedial approach to address this Site. As such, BTA is proposing the following remedial actions:

- Excavate hydrocarbon-impacted soil in the release area to approximately 6 feet bgs, which is the depth to which elevated BTEX concentrations exist;
- Following excavation activities, 5-point composite soil samples will be collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The composite soil samples will be handled and analyzed as described above;
- While TPH is present in soil in the vicinity of pothole/soil boring PH01 at concentrations exceeding the Closure Criteria to a total depth of 18 feet bgs, the soil is a poorly to moderately cemented caliche unit that is not conducive to remediate by excavation. There is approximately 38 feet of non-impacted soil between the terminus of TPH impacts and groundwater table. As such, BTA is requesting a variance to leave TPH-impacted soil in-place and install a 20-mil poly liner at the base of the excavation. The liner will minimize vertical migration of residual TPH concentrations from surface infiltration of precipitation. While the caliche is poorly to moderately cemented, there is sufficient pore space for natural vadose zone air flow and microbial activity to support natural attenuation through volatilization and biodegradation. In requesting a variance request, BTA has to show the remedial action provides equal or better protection to the environment. BTA believes the application of excavation and disposal of impacted soil would be less protective of the environment than leaving in place due to the extraordinary effort to excavate 9 feet of poorly to moderately cemented caliche. This would require a lengthy time period to excavate with a trackhoe, which would utilize more fuel and increase its emissions. In addition, the volume of impacted soil would require additional trucking to transport the soil to an approved landfill and backfilling with new caliche, affecting roadway traffic, roadway conditions, and additional emissions to the atmosphere. Leaving the residual impacts in place will allow for natural attenuation and protect the environment equally, if not better. The liner will present a barrier to human and/or wildlife contact and retard vertical migration of TPH to groundwater, which is equally protective. Groundwater is over 38 feet beneath the terminus of impacts, which is sufficient to be protective of groundwater, especially with the installation of a liner;
- Following excavation activities and the installation of a liner, BTA will backfill the excavation with locally sourced material and follow the reclamation plan described below.

RECLAMATION PLAN

The historical release occurred off pad in the pasture and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top 4 feet of the off pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

• The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;



- Soil in the vicinity of the release include: poorly to well-graded sand from the ground surface to depths ranging from 1-foot to 8 feet bgs;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: Sandy (S) Sites Seed Mixture;
- The seed mixture will be distributed with a either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, and/or other means;
- Application of the seed mixutre will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distrbution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management is not anticipated, but if required, will potentially include:
 - The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation will occur following the excavation of impacted and waste-containing soil;
- Seeding is anticipated to be completed in the Spring or Fall (depending on when this *Work Plan* is approved and work is completed (when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion; and
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

Schedule and Reporting

BTA will complete the remedial activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD and NMSLO. A *Closure Request* will be prepared and submitted to the NMOCD and NMSLO describing the implementation of this *Work Plan*, which will include photographic documentation, soil confirmation sample results, figures, supporting documentation, and a narration of field activities.

BTA believes the scope of work described above will meet requirements set forth in 19.15.29.12 and 13 NMAC as well as stipulation set forth in 19.2.100.67 NMAC for reclamation of Sites on State Trust Land. These measures are believed to be protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Work Plan* by NMOCD and NMSLO.



If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Daniel R. Moir, PG Senior Managing Geologist

Ashley L. ager

Ashley L. Ager, MS, PG Principal

cc: Kelton Beaird, BTA Nathan Sirgo, BTA NMSLO ECO

Appendices:

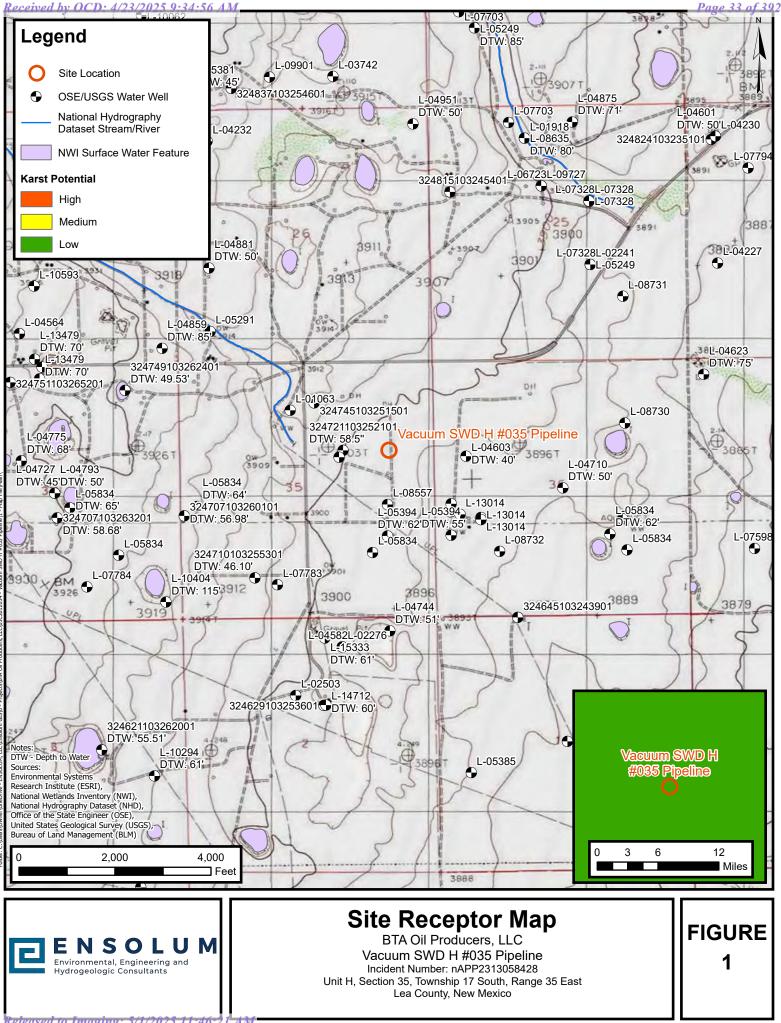
- Figure 1 Sensitive Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Table 1Soil Analytical Results
- Appendix A Lithologic/Soil Sampling Logs
- Appendix B Referenced Well Records
- Appendix C NMSLO Right of Way Easement
- Appendix D Photographic Log
- Appendix E Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix F Form C-141
- Appendix G NMOCD Notifications

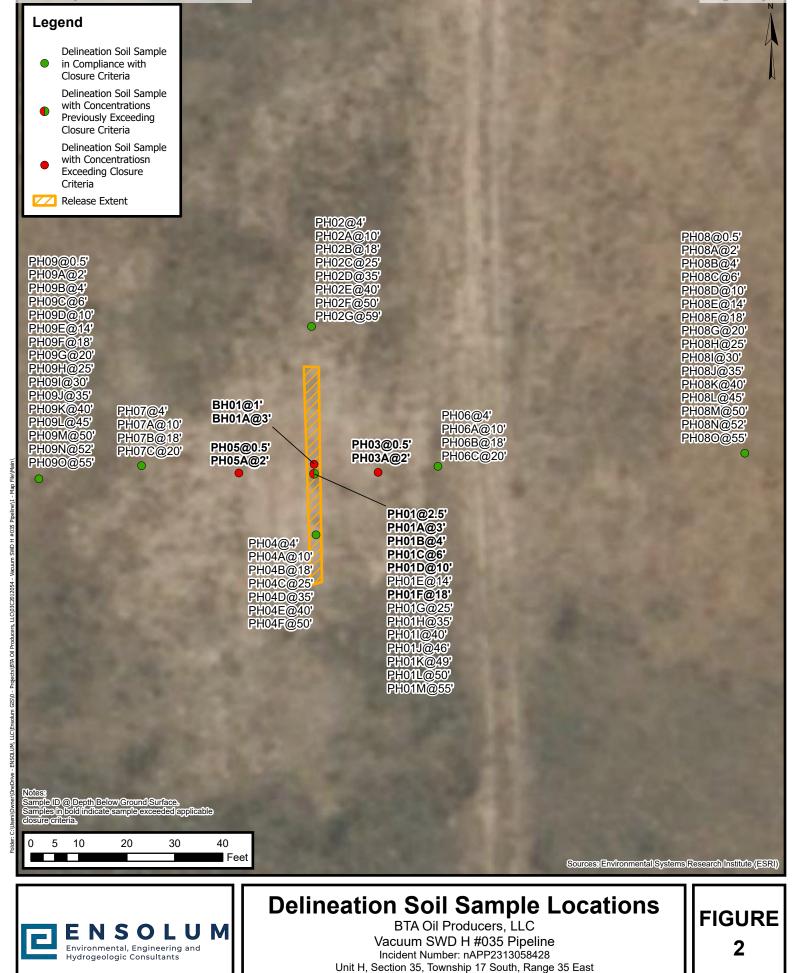




Figures

.





Lea County, New Mexico



Table

.

ENSOLUM

-
~
-
Concession of the local division of the loca
0
- 2
6
0
2
-
6
-
L.
Annual
0
-
016
Press.
000
00
c.
5
c.
5/1
5/1
5/1
5/1/2
5/1/20
5/1/20
5/1/202
5/1/202:
5/1/20
5/1/2025
5/1/2025
5/1/2025 1
5/1/2025 1
5/1/2025 11.
5/1/2025 1
5/1/2025 11:
- 5/1/2025 11:4
- 5/1/2025 11:4
- 5/1/2025 11:46
5/1/2025 11:46:
5/1/2025 11:46:
- 5/1/2025 11:46:2
- 5/1/2025 11:46:2
5/1/2025 11:46:
5/1/2025 11:46:21
5/1/2025 11:46:21 /
5/1/2025 11:46:21 /
5/1/2025 11:46:21 A
5/1/2025 11:46:21 A
5/1/2025 11:46:21 A

TABLE I SOIL SAMPLE ANALYTICAL RESULTS Vacuum SWD H #035 BTA Oil Producers, LLC Lea County, New Mexico										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Deli	neation Soil Sa	mples				
BH01	05/18/2023	1	<0.050	1.150	<100	11,600	5,180	11,600	16,780	1,090
BH01A	05/18/2023	3	<0.100	27.8	378	7,860	2,060	8,238	10,298	6,530
PH01*	06/28/2023	2.5	<0.050	0.623	<50.0	15,500	4,990	15,500	20,490	4,040
PH01A*	06/28/2023	3	0.477	27.1	221	3,320	1,070	3,541	4,611	3,440
PH01B	06/28/2023	4	2.61	187	2,690	19,800	5,510	22,490	28,000	2,200
PH01C	07/05/2023	6	<0.500	70.9	2,350	15,900	3,200	18,250	21,450	3,040
PH01D	07/05/2023	10	0.064	12.3	1,200	11,900	2,580	13,100	15,680	3,280
PH01E	07/05/2023	14	<0.050	0.468	14.1	728	201	742	943	4,560
PH01F	07/05/2023	18	<0.050	3.07	75.7	2,030	629	2,106	2,735	4,000
PH01G	09/19/2023	25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
PH01H	09/19/2023	35	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
PH01I	09/19/2023	40	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
PH01J	09/19/2023	46	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800
PH01K	09/19/2023	49	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,080
PH01L	09/19/2023	50	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,360
PH01M	09/21/2023	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH02	06/28/2023	4	<0.050	0.488	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02A	09/19/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PH02B	09/19/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PH02C	09/19/2023	25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH02D	09/19/2023	35	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PH02E	09/19/2023	40	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PH02F	09/19/2023	50	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PH02G	09/20/2023	59	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH03*	06/28/2023	0.5	<0.050	<0.300	<50.0	604	599	604	1,203	80.0
PH03A*	06/28/2023	2	1.26	102	1,160	11,100	3,070	12,260	15,330	384
PH04	06/28/2023	4	<0.050	<0.300	<10.0	16.9	29.6	16.9	46.5	<16.0
PH04A	09/20/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH04B	09/20/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

E N S O L U M

	TABLE I SOIL SAMPLE ANALYTICAL RESULTS Vacuum SWD H #035 BTA Oil Producers, LLC Lea County, New Mexico										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I CI	NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	1,000	2,500	10,000	
PH04C	PH04C 09/20/2023 25			<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
PH04D	09/20/2023	35	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
PH04E	09/20/2023	40	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH04F	09/20/2023	50	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH05*	06/28/2023	0.5	<0.050	<0.300	<10.0	625	643	625	1,268	<16.0	
PH05A*	06/28/2023	2	<0.050	<0.300	<10.0	775	762	775	1,537	272	
PH06	09/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
PH06A	09/20/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800	
PH06B	09/20/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,540	
PH06C	09/20/2023	20	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,260	
PH07	09/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
PH07A	09/21/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768	
PH07B	09/21/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,720	
PH07C	09/21/2023	20	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680	
PH08*	10/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
PH08A*	10/19/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08B	10/19/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08C	10/19/2023	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08D	10/19/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08E	10/19/2023	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08F	10/19/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08G	10/19/2023	20	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08H	10/19/2023	25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08I	10/19/2023	30	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08J	10/19/2023	35	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08K	10/19/2023	40	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08L	10/19/2023	45	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
PH08M	10/19/2023	50	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08N	10/19/2023	52	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
PH08O	10/19/2023	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	

Page 37 of 392

E N S O L U M

TABLE I SOIL SAMPLE ANALYTICAL RESULTS Vacuum SWD H #035 BTA Oil Producers, LLC Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I CI	osure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
PH09*	10/20/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH09A*	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09B	10/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09C	10/20/2023	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09D	10/20/2023	10	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09E	10/20/2023	14	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PH09F	10/20/2023	18	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH09G	10/20/2023	20	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09H	10/20/2023	25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PH09I	10/20/2023	30	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PH09J	10/20/2023	35	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH09K	10/20/2023	40	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09L	10/20/2023	45	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH09M	10/20/2023	50	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH09N	10/20/2023	52	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH09O	10/20/2023	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

Released to Imaging: 5/1/2025 11:46:21 AM

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in ${\rm bold}$ exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

*indicates sample was collected in area to be reclaimed after remediation is complete: remediation standard in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.



APPENDIX A

Lithologic/Soil Sampling Logs

								Sample Name: PH01	Date: 6/28 & 7/5 & 9/19 & 9/21
			N	6	ΟΙ		N A	Site Name: Vacuum SWD H 35 Pi	peline
				3		- 0		Incident Number: nAPP23130584	128
								Job Number: 03C2012054	
		lithol	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Mariaha O'Dell	Method: Excavator/Terrasonic
	inates: 32							Hole Diameter: N/A	Total Depth: 55'
								PID for chloride and vapor, respect easurements done with a +40% co	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
					L	L			
D W	2,839 4,189	15 372	Y Y	PH01 PH01A	2.5 3	2	SP	Sand. Brown, very fine to f well graded	ine grained,
W	1,501	488	Υ	PH01B	4	4			
w	2,643	839	S		5	-	CCHE	CCHE.	
w	3,248	884	S	PH01C	6	6			
w	3,248	703	S		7	-			
w	3,075	516	S		8	8			
w	2,839	210	S		9	-			
w	3,058	396	S	PH01D	10	10			
w	3,058	255	S		11	-			
w	1,473	678	S		12	12			
w	2,548	250	Ν		13	-			
w	5,242	18.2	Ν	PH01E	14	14			
w	4,833	52	Ν		15	-			
w	4,094	72	Ν		16	16			
W	3,758	68.8	Ν		17	-			
w	3,450	65	Ν	PH01F	18	18			ń
ľ					-	-			I
D	2,436	0	Ν		20	20			
D	2,436				21	-			
D	2,436	0	Ν		22	22			
D	2,436	0	NI		23				
D	1,982	0	N		24	24			
D	1,982	0	Ν	PH01G	25				

								Sample Name: PH01	Date: 6/28 & 7/5 & 9/19 & 9/21		
				2	ΟΙ		N A	Site Name: Vacuum SWD H 35 Pipe			
				J				Incident Number: nAPP231305842			
								Job Number: 03C2012054			
		lithol	OGI	C / SOIL S	SAMPLING	i log		Logged By: Mariaha O'Dell	Method: Excavator		
	inates: 32						Hole Diameter: N/A	Total Depth: 55'			
							PID for chloride and vapor, respecti easurements done with a +40% corr				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions		
D	1,288	0	Ν		26	26	CCHE	CCHE.			
D	1,019	0	Ν		27	-					
D	1,103	0	Ν		28	28					
D	1,192	0	Ν		29	-					
D	1,388	0	Ν		30 _	30					
D	1,019	0	Ν		31	-					
D	1,192	0	Ν		32	32					
D	1,192	0	Ν		33 _	- 					
D	1,192	0	Ν		34	34					
D	941	0	Ν	PH01H	35 _	-					
D	1,192	0	Ν		36	36					
D	1,192	0	Ν		37	-					
D	1,501	0	Ν		38 _	38					
D	1,389	0	Ν		39	-					
D	1,613	0	Ν	PH01I	40	40					
D	1,103	0	Ν		41	- 					
D	1,389	0	Ν		42	42					
D	2,145	0	Ν		43	•					
D	2,296	0	Ν		44	44					
D	1,859	0	Ν		45	• 					
D	2,296	0	Ν	PH01J	46	46					
D	2,643	0	Ν		47	• =					
D	2,296	0	Ν		48	48					
D	3,058	0	Ν	PH01K	49	- -					
D	2,688	0	Ν	PH01M	50	50					

								Sample Name: PH01	Date: 6/28 & 7/5 & 9/19 & 9/21		
					\sim 1			Site Name: Vacuum SWD H 35 Pip			
			N		ΟΙ		M	Incident Number: nAPP23130584			
								Job Number: 03C2012054			
 		LITHOL	OGI		SAMPLING	LOG		Logged By: Mariaha O'Dell	Method: Excavator		
Coorc	dinates: 32							Hole Diameter: N/A	Total Depth: 55'		
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec			
perfo	rmed with	n 1:4 dilut	tion f	actor of soi	l to distilled	water. All Cl	nloride me	easurements done with a +40% cor	rrection factor.		
Moisture Content	Staining Symbol Symbol							Lithologic Descriptions			
М	2,912	0	N		1 52 _ -	1 - 52 -	SP	Sand. Tannish brown, very poorly graded, moist.	fine to fine grained,		
					-	54					
М	<162	0	N	PH01M	55	-					
	×102	U	IN			-					
	`					Total De	epth @ S	55' bgs.			
	$\overline{}$										
		$\overline{\}$									
			$\overline{\ }$								
							$\overline{\ }$				
								\mathbf{i}			
								\sim			
								\sim			
								\sim			
								\sim			
									\mathbf{i}		
									\mathbf{i}		
									\sim		
									\sim		
									\mathbf{i}		

								Sample Name: PH02	Date: 6/28 & 9/19 & 9/20
				C	ΟΙ			Site Name: Vacuum SWD H 35 Pip	peline
				3				Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	i LOG		Logged By: Mariaha O'Dell	Method: Excavator/Terrasonic
Coord	inates: 32	2.793498	, -103	.422663				Hole Diameter: N/A	Total Depth: 59'
								PID for chloride and vapor, respec easurements done with a +40% co	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D D	179 <179	0 0	N N		2.5 3	2 2	SP CCHE	<u>Sand. Brown, very fine to fi</u> CCHE,	ne grained, well graded
D	<179	0	Ν	PH02	4	4 6 8			
D	364	0	Ν	PH02A		10 12		Damp due to injecting wate	er down hole.
D	<174	0	Ν		14 _	14 14 16		Damp due to injecting wate	er down hole.
D	364	0	Ν	PH02B	18	18		Damp due to injecting wate	er down hole. l
D	207	0	Ν			20		Damp due to injecting wate	er down hole.
D	515	0	N	PH02C	-	24 25			

								Sample Name: PH02	Date: 6/28 & 9/19 & 9/20	
				C				Site Name: Vacuum SWD H 35 Pi		
			N	J	ΟΙ			Incident Number: nAPP23130584		
								Job Number: 03C2012054		
		LITHOL	OGI		SAMPLING	LOG		Logged By: Mariaha O'Dell	Method: Excavator	
Coord		2.793498		-				Hole Diameter: N/A	Total Depth: 59'	
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec	tively. Chloride test	
perfor	med with	n 1:4 dilut	tion fa	actor of soi	l to distilled	water. All Cl	nloride me	easurements done with a +40% co	rrection factor.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions	
					1	26	CCHE	ССНЕ		
D	280	0	Ν		30	28 28 30				
					+ + + +	32				
D	241	0	Ν	PH02D	35 _	36				
D	207	0	Ν	PH02E	40	38 40				
						42			I	
D	280	0	Ν		45	46				
					-	48				
D	207	0	Ν		49	_				
D	280	0	Ν	PH02F	-	50				

								Sample Name: PH02	Date: 6/28 & 9/19 & 9/20	
					•			Site Name: Vacuum SWD H 35 Pipe		
			N	S	OL	. U	M	Incident Number: nAPP2313058428		
								Job Number: 03C2012054		
					SAMPLING	106				
Coordi		2.793498,		-	AWFLING	LUG		Logged By: Mariaha O'Dell Hole Diameter: N/A	Total Depth: 59'	
						lorido Tost 9	trins and			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride te performed with 1:4 dilution factor of soil to distilled water. All Chloride measurements done with a +40% correction factor.										
Moisture Content	Content Choride (ppm) (p							Lithologic Des	criptions	
М	<162	0	N		52	L 52	SP	Sand. Tannish brown, very fi poorly graded, trace cche, m	ne to fine grained, oist.	
м	<162	0	N		55	54				
М	<162	0	N		57	56 				
М	<162	0	N	PH02G	 59	58 60		SAA, moist		
							epth @ 5	59' bgs.		
	Total Depth @ 59' bgs.									

ĺ								Sample Name: PH03	Date: 6/28	
					•			Site Name: Vacuum SWD H 35 Pip		
		E	N	S	ΟΙ	LU	M	Incident Number: nAPP23130584		
								Job Number: 03C2012054		
			OGI		SAMPLING	6106		Logged By: Mariaha O'Dell	Method: Excavator	
Coord	inates: 32			-				Hole Diameter: N/A	Total Depth: 3'	
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec		
								easurements done with a +40% cor		
Moisture Content	Moisture Moisture Content Chloride Chloride Chloride (ppm) (ppm) (ppm) Staining Debth (tps) USCS/Rock USCS/Rock							Lithologic De	scriptions	
D	<179	0.5	Y	PH03	ـــــــــــــــــــــــــــــــــــــ	0.5	SP	Sand. Brown, very fine to fi	ne grained,	
D	<179	5.2	Y		1 _	1	CCHF	well graded, some caliche CCHE. Stained black.		
	,,,,	5.2					CONE			
w	280	391.4	Y	РНОЗА	2	2				
vv	200	551.4	1	FIIOSA						
w	<179	15.7	Y		3	- 3				
		_				Total D	epth at	3' bgs.		
		$\overline{\ }$								
			$\overline{\ }$							
				\sim						
					\sim					
								、 、		
								\sim		
									\mathbf{i}	
l									\sim	
l										
									·	

								Sample Name: PH04	Date: 6/28 & 9/20		
				C				Site Name: Vacuum SWD H 35 Pipe			
			N	S		LU		Incident Number: nAPP231305842			
								Job Number: 03C2012054			
-		LITHOL	OGI		SAMPLING	GLOG		Logged By: Mariaha O'Dell Method: Excavator & Terrasonic			
Coord				3.422662				Hole Diameter: N/A	Total Depth: 50'		
					vith HACH C	hloride Test	Strips and	PID for chloride and vapor, respec	tively. Chloride test		
						neasurements done with a +40% co					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions		
D D	<179 <179	0.5 1.3	NN		2.5 3	2	SP	Sand. Brown, very fine to fir graded, dry.	ne grained, poorly		
D	<179	0.3	Ν	PHO4	4 _	4 					
	<162				8	8	CCHE	CCHE			
D	<162	0	Ν	PH04A	10	10 12					
D	<162	0	N		14	14					
	(162	0			- - - 10	16					
D	<162	0	N	PH04B	18	18			0		
D	<162	0	Ν		20	20 22					
D	442	0	N	PH04C	- - 25	24 25					

								Sample Name: PH04	Date: 6/28 & 9/20
				C				Site Name: Vacuum SWD H 35 Pip	
			N	Э	ΟΙ			Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	i LOG		Logged By: Mariaha O'Dell	Method: Excavator & Terrasonic
Coord		2.793498		-				Hole Diameter: N/A	Total Depth: 50'
					ith HACH Ch	loride Test S	strips and	PID for chloride and vapor, respec	
			-					easurements done with a +40% cor	-
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
					<u> </u>	26	CCHE	ССНЕ	
D	263	0	Ν		- - - - - - - - - - - - - - - - - - -	28 28 30			
					-	32			
D	<162	0	Ν	PH04D	35	- - - 36 -			
					-	38			
D	<162	0	N	PH04E	40	40 42			
D	<162	0	N		- - - 45	44			(
	102	0			- ⁻ - - - -	- 46 - 48			
D	<162	0	N	PH04F		 50			

INample Name: PH05	Date: 6/28									
Sample Name: PH05										
ENSOLUM Site Name: Vacuum SWD H										
Job Number: 03C2012054	5556 126									
LITHOLOGIC / SOIL SAMPLING LOG Logged By: Mariaha O'Dell	Method: Excavator									
Coordinates: 32.793415, -103.422713 Hole Diameter: N/A	Total Depth: 3'									
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, re										
performed with 1:4 dilution factor of soil to distilled water. All Chloride measurements done with a +40	0% correction factor.									
Moisture Content Chloride Chlo	ic Descriptions									
D <179 0 N PH05 0.5 0.5 SP Sand. Brown, very fine	to fine grained, well graded									
	to fine granica, wen gradea									
D <179 0 S 1 $\frac{1}{1}$ 1 SP										
D 280 0 S PH05A 2 2 SP										
$\blacksquare \ \ \ \ \ \ \ \ \ \ $										
D 213 0 S 3 T 3 SP Total Depth at 3' bgs.										
	\mathbf{i}									
	\sim									
	\sim									
	\sim									

-									
		_			-			Sample Name: PH06	Date: 9/20/2023
		E	N	S	ΟΙ		M	Site Name: Vacuum SWD H 35 Pip	
								Incident Number: nAPP231305842	28
								Job Number: 03C2012054	
					SAMPLING	6 LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
				3.422578				Hole Diameter: N/A	Total Depth: 20'
								d PID for chloride and vapor, respection neasurements done with a +40% co	
p 00.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D	<162.4	0	N		2 _ - -	1 - 2 -	SP	Sand. Brown, very fine to fir well graded, dry.	ne grained,
D	302	0	Ν	PH06	4 _	4	CCHE	ССНЕ	
						- 6 - 6 - 8			
D	1,260	0	Ν	PH06A	- - 10 _ - -				
D	1,574	0	Ν		- 14 _ -	14 14 16			
D	2,218	0	N	PH06B	- - 18	- - 18			(
D	1,165	0	Ν	PH06C	20	20			
						Total De	epth @ 2	20' bgs.	

								Sample Name: PH07	Date: 9/21/2023			
					•			Site Name: Vacuum SWD H 35 Pipe				
			N	S		_ U	Μ	Incident Number: nAPP231305842				
								Job Number: 03C2012054				
		LITHOL	OGI			GLOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig			
Coord	inates: 32							Hole Diameter: N/A	Total Depth: 20'			
_					vith HACH C	hloride Test	Strips and	d PID for chloride and vapor, respec				
								neasurements done with a +40% co				
Moisture Content	Moisture Moisture Moisture Chorient Moist											
D	<162.4	0	N		2 _ -	L - 2 -	SP	Sand. Brown, very fine to fir well graded, dry.	ne grained,			
D	<162.4	0	Ν	PH07	4	4	CCHE	ССНЕ				
						- - 6 -						
D	263	0	Ν		8	8						
D	829	0	Ν	PH07A	10	10 						
D	1,574	0	Ν		- - 14 _	12 - 12 - 14						
						16						
D	2,218	0	Ν	PH07B	18 _	18			0			
D	1,165	0	N	PH07C	20	- 20						
						Total De	epth @ 2	20' bgs.				

								Sample Name: PH08	Date: 10/19/2023
								Site Name: Vacuum SWD H 35 Pip	
			N	D		LU		Incident Number: nAPP231305842	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	6 LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coord		2.793427		-				Hole Diameter: N/A	Total Depth: 55'
								PID for chloride and vapor, respect easurements done with a +40% cor	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D	<168	0	Ν	PH08		0.5	SP	Sand. Brown, very fine to fine	ne grained,
D D	<168 <168	0 0	Ν	PH08A	1 2	2	CCHE	well graded CCHE	
D	<168	0	Ν		3	-			
D	<168	0	Ν	PH08B	4	4			
D	<168	0	Ν		5	-			
D	<168	0	Ν	PH08C	6	6			
D	<168	0	Ν		7	-			
D	<168	0	Ν		8	8			
D	<168	0	Ν		9	-			
D	<168	0	Ν	PH08D	10	10			
					- - - -	12			
D	<168	0	Ν	PH08E	14	14 			
					-	16			
D	<168	0	Ν	PH08F	18	18			l
D	<168	0	N	PH08G	20	20			
					- - - -	22			
					-	24	SP	Sand. Tannish brown, very f	ine to fine grained
D	<168	0	Ν	PH08H	25	<u> </u>	5	well graded, dry	ine to fine grained,

								Sample Name: PH08	Date:10/19
								Site Name: Vacuum SWD H 35 Pip	
			N			LU		Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	GLOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coord		2.793427		-				Hole Diameter: N/A	Total Depth: 55'
-					vith HACH Ch	nloride Test S	Strips and	PID for chloride and vapor, respec	
								easurements done with a +40% con	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
						26	SP	Sand. Tannish brown, very well graded, dry.	fine to fine grained,
D	<168	0	N	PH08I	30	28 28 30			
					-	32			
D	<168	0	N	PH08J	35 	34 36			
					- - - -	38			
D	<168	0	N	PH08K	40	40			
D	<168	0	N	PH08L	- - - 45	42			(
		-			 - - - - - - - - - - - - - - - - - -	46 48			
D	<168	0	N	PH08M	49	F			
D	<168	0	N	PH01M	50 -	50			
	L / T 00	U U	I N		50	50		1	

								Sample Name: PH08	Date: 10/19
					\frown			Site Name: Vacuum SWD H 35 Pip	,
			N		ΟΙ	. U		Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI		AMPLING	LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coord	linates: 32			-	_			Hole Diameter: N/A	Total Depth: 55'
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfo	rmed with	n 1:4 dilut	tion f	actor of soi	l to distilled	water. All Cl	nloride me	easurements done with a +40% cor	rrection factor.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D	<168	0	N	PH08N	1 52 _ -	1 52 	SP	Sand. Tannish brown, very t well graded, moist.	fine to fine grained,
					-	54			
D	<168	0	N	PH08N	55				
	×108	U	Ν	FIUSIN	<u> </u>				
						Total De	epth @ !	55' bgs.	
	$\overline{\}$								
			$\overline{\ }$						
							$\overline{\}$		
								\backslash	
								\mathbf{i}	
								\sim	
								\sim	
								\sim	
								Ň	
									\sim
									\mathbf{X}

								Sample Name: PH09	Date: 10/20/2023
								Site Name: Vacuum SWD H 35 Pip	
			N	D		LU		Incident Number: nAPP231305842	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coordi	inates: 32	2.793413	, -103	.422849				Hole Diameter: N/A	Total Depth: 55'
								PID for chloride and vapor, respect easurements done with a +40% cor	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D	<168	0	Ν	PH09		0.5	SP	Sand. Brown, very fine to fine	ne grained,
D D	<168 <168	0 0	Ν	PH09A	1 2	2	CCHE	well graded CCHE	
D	<168	0	Ν		3	-			
D	<168	0	Ν	PH09B	4	4			
D	<168	0	Ν		5	-			
D	<168	0	Ν	PH09C	6	6			
D	<168	0	Ν		7	-			
D	<168	0	Ν		8	8			
D	<168	0	Ν		9	-			
D	<168	0	Ν	PH09D	10	10			
					- - - -	12			
D	<168	0	Ν	PH09E	14	14			
					-	16			
D	<168	0	Ν	PH09F	18	18			l
D	<168	0	N	PH09G	20	20			
					- - - -	22			
					- -	24	SW	Sand. Tannish brown, very f	ine to fine grained.
D	<168	0	Ν	PH09H	25			well graded, dry	

								Sample Name: PH09	Date:10/19
								Site Name: Vacuum SWD H 35 Pij	
			\mathbf{N}		ΟΙ			Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coord	inates: 32			-				Hole Diameter: N/A	Total Depth: 55'
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec	
								easurements done with a +40% co	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
					-	26	SP	Sand. Tannish brown, verv well graded, dry.	fine to fine grained,
D	<168	0	N	РН091	30	28 30			
D	<168	0	N	РН09Ј	- - - - - - - - - - - - - - - - - - -	32 34			
	~169	0	Ν	DHOOK		36 38 			
D	<168	0	Ν	РНОЭК	40	40 42 42 44			(
D	<168	0	N	PH09L	45 _ - - - -	46 - 48			
D	<168	0	N	PH09M	49	ŀ			
D	<168	0	N	PH09M	50	- 50			

								Sample Name: PH09	Date: 10/19
				C	ΟΙ			Site Name: Vacuum SWD H 35 Pip	
			IN	J		- U		Incident Number: nAPP23130584	
								Job Number: 03C2012054	
		LITHOL	OGI	c / soil s	SAMPLING	i LOG		Logged By: Mariaha O'Dell	Method: Terrasonic Rig
Coord	inates: 32	2.793413	, -103	.422849				Hole Diameter: N/A	Total Depth: 55'
								PID for chloride and vapor, respec easurements done with a +40% cor	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
М	<168	0	N	PH08N	52	L - 52 -	SP	Sand. Tannish brown, very s well graded, moist.	fine to fine grained,
					-	54			
N 4	-100	_							
Μ	<168	0	Ν	PH08N	55 _	<u> </u>			
\backslash						Total De	epth @ !	55' bgs.	



APPENDIX B

Referenced Well Records

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:	
	Groundwater	 United States 	✓ GO

Click to hideNews Bulletins

• Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.

GO

• Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list = • 324745103251501

Minimum number of levels = 1

Date range = 05/31/2000 . 05/31/2023

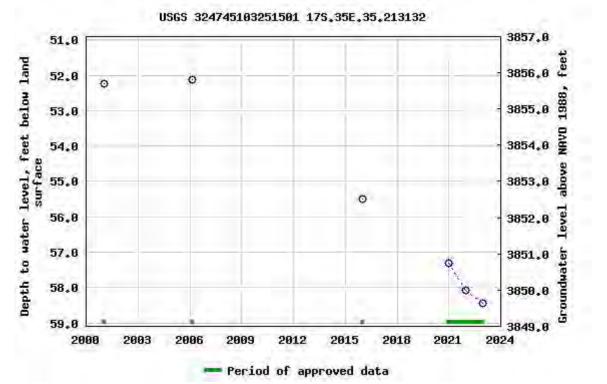
Save file of selected sites to local disk for future upload

USGS 324745103251501 17S.35E.35.213132

Available data for this site Groundwater: Field measurements V

Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°47'46.3", Longitude 103°25'39.7" NAD83 Land-surface elevation 3,908 feet above NAVD88 The depth of the well is 121 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats Table of data Tab-separated data Graph of data Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

<u>Questions or Comments</u> <u>Automated retrievals</u> <u>Help</u>

Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-05-31 14:02:17 EDT 0.7 0.55 nadww02



Date	Time	?	?	Water	Water
				level,	level,
		Water-level	Parameter	feet	feet
S		date-time	code	below	above
-		accuracy		land	specific
	1	-		surface	vertical
					datum
u			Groundwater	✓ New Mexico	✓ GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔝

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324745103251501 17S.35E.35.213132

Lea County, New Mexico Latitude 32°47'46.3", Longitude 103°25'39.7" NAD83 Land-surface elevation 3,908 feet above NAVD88 The depth of the well is 121 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

	_
Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1940-09-26		D	62610		3865.16	NGVD29	1	Z		
1940-09-26		D	62611		3866.61	NAVD88	1	Z		
1940-09-26		D	72019	41.39			1	Z		
1941-01-26		D	62610		3865.10	NGVD29	1	Z		
1941-01-26		D	62611		3866.55	NAVD88	1	Z		
1941-01-26		D	72019	41.45			1	Z		
1941-03-30		D	62610		3865.12	NGVD29	1	Z		
1941-03-30		D	62611		3866.57	NAVD88	1	Z		
1941-03-30		D	72019	41.43			1	Z		
1941-05-22		D	62610		3865.12	NGVD29	1	Z		
1941-05-22		D	62611		3866.57	NAVD88	1	Z		
1941-05-22		D	72019	41.43			1	Z		
1941-11-28		D	62610		3867.02	NGVD29	1	Z		
1941-11-28		D	62611		3868.47	NAVD88	1	Z		

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface		Water level, feet above specific vertical datum
4044 44 20	5	72040	20.52				-	
1941-11-28	D	72019	39.53	2067.20		1	Z	
1942-02-05	D	62610		3867.28	NGVD29	1	Z	
1942-02-05	D	62611	~~~~	3868.73	NAVD88	1	Z	
1942-02-05	D	72019	39.27	2067.26		1	Z	
1942-03-30	D	62610		3867.36	NGVD29	1	Z	
1942-03-30	D	62611	20.10	3868.81	NAVD88	1	Z	
1942-03-30	D	72019	39.19	2067 42	NOVD20	1	Z	
1942-07-28	D	62610		3867.42	NGVD29	1	Z	
1942-07-28	D	62611	20.12	3868.87	NAVD88	1	Z Z	
1942-07-28		72019	39.13	2067 51	NCVD20	1		
1942-09-27	D	62610		3867.51 3868.96	NGVD29	1 1	Z Z	
1942-09-27		62611	30.04	2000.90	NAVD88		Z	
1942-09-27	D	72019	39.04	2967 56	NCVD20	1		
1942-10-23	D	62610		3867.56	NGVD29	1	Z Z	
1942-10-23 1942-10-23	D	62611	38.99	3869.01	NAVD88		Z	
1942-10-25	D	72019 62610	36.99	3867.57	NGVD29	1	Z	
							Z	
1942-11-26 1942-11-26	D	62611 72019	38.98	3869.02	NAVD88	1	Z	
1943-01-22	D	62610	50.90	3867.62	NGVD29	1	Z	
1943-01-22	D	62611		3869.07	NAVD88	1	Z	
1943-01-22	D	72019	38.93	5005.07	NAVDOO	1	Z	
1943-03-30	D	62610	50.95	3867.63	NGVD29	1	Z	
1943-03-30	D	62611		3869.08	NAVD88	1	Z	
1943-03-30	D	72019	38.92	5005.00	11/10/2000	1	Z	
1943-05-26	D	62610	50.92	3867.63	NGVD29	1	Z	
1943-05-26	D	62611		3869.08	NAVD88	1	Z	
1943-05-26	D	72019	38.92	5005100	1010000	1	Z	
1943-07-28	D	62610	50.72	3867.63	NGVD29	1	Z	
1943-07-28	D	62611		3869.08	NAVD88	-	Z	
1943-07-28	D	72019	38.92			1	Z	
1943-09-29	D	62610		3867.68	NGVD29	1	Z	
1943-09-29	D	62611		3869.13	NAVD88	1	Z	
1943-09-29	D	72019	38.87			1	Z	
1943-11-30	D	62610		3867.71	NGVD29	1	Z	
1943-11-30	D	62611		3869.16	NAVD88	1	Z	
1943-11-30	D	72019	38.84			1	Z	
1944-01-16	D	62610		3867.70	NGVD29	1	Z	
1944-01-16	D	62611		3869.15	NAVD88	1	Z	
1944-01-16	D	72019	38.85			1	Z	
1944-03-24	D	62610		3867.72	NGVD29	1	Z	
1944-03-24	D	62611		3869.17	NAVD88	1	Z	
1944-03-24	D	72019	38.83			1	Z	
1944-05-15	D	62610		3867.70	NGVD29	1	Z	
1944-05-15	D	62611		3869.15	NAVD88	1	Z	
1944-05-15	D	72019	38.85			1	Z	
1944-07-26	D	62610		3867.68	NGVD29	1	Z	
1944-07-26	D	62611		3869.13	NAVD88	1	Z	
1944-07-26	D	72019	38.87			1	Z	
1944-09-21	D	62610		3867.63	NGVD29	1	Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface	1	Water level, feet above specific vertical datum
1944-09-21	D	62611		3869.08	NAVD88	1	Z	
1944-09-21	D	72019	38.92			1	Z	
1944-11-28	D	62610		3867.60	NGVD29	1	Z	
1944-11-28	D	62611		3869.05	NAVD88	1	Z	
1944-11-28	D	72019	38.95			1	Z	
1945-01-12	D	62610		3867.63	NGVD29	1	Z	
1945-01-12	D	62611		3869.08	NAVD88	1	Z	
1945-01-12	D	72019	38.92			1	Z	
1945-03-31	D	62610		3867.59	NGVD29	1	Z	
1945-03-31	D	62611		3869.04	NAVD88	1	Z	
1945-03-31	D	72019	38.96			1	Z	
1945-05-26	D	62610		3867.57	NGVD29	1	Z	
1945-05-26	D	62611		3869.02	NAVD88	1	Z	
1945-05-26	D	72019	38.98			1	Z	
1945-07-27	D	62610		3867.52	NGVD29	1	Z	
1945-07-27	D	62611		3868.97	NAVD88	1	Z	
1945-07-27	D	72019	39.03			1	Z	
1945-09-22	D	62610		3867.50	NGVD29	1	Z	
1945-09-22	D	62611		3868.95	NAVD88	1	Z	
1945-09-22	D	72019	39.05			1	Z	
1945-11-21	D	62610		3867.45	NGVD29	1	Z	
1945-11-21	D	62611		3868.90	NAVD88	1	Z	
1945-11-21	D	72019	39.10			1	Z	
1946-01-31	D	62610		3867.43	NGVD29	1	Z	
1946-01-31	D	62611		3868.88	NAVD88	1	Z	
1946-01-31	D	72019	39.12			1	Z	
1946-03-23	D	62610		3867.38	NGVD29	1	Z	
1946-03-23	D	62611		3868.83	NAVD88	1	Z	
1946-03-23	D	72019	39.17			1	Z	
1946-05-25	D	62610		3867.38	NGVD29	1	Z	
1946-05-25	D	62611		3868.83	NAVD88	1	Z	
1946-05-25	D	72019	39.17			1	Z	
1946-07-22	D	62610		3867.37	NGVD29	1	Z	
1946-07-22	D	62611		3868.82	NAVD88	1	Z	
1946-07-22	D	72019	39.18	_		1	Z	
1946-09-26	D	62610		3867.35	NGVD29	1	Z	
1946-09-26	D	62611		3868.80	NAVD88	1	Z	
1946-09-26	D	72019	39.20			1	Z	
1946-11-25	D	62610		3867.91	NGVD29	1	Z	
1946-11-25	D	62611		3869.36	NAVD88	1	Z	
1946-11-25	D	72019	38.64			1	Z	
1947-01-17	D	62610	00101	3867.91	NGVD29	1	Z	
1947-01-17	D	62611		3869.36	NAVD88	1	Z	
1947-01-17	D	72019	38.64	2000.00		1	Z	
1947-03-26	D	62610	50104	3867.90	NGVD29	1	Z	
1947-03-26	D	62611		3869.35	NAVD88	1	Z	
	D		30 65	2009.22	INAV DOO		Z	
1947-03-26	D	72019 62610	38.65	2067 05	NCVD20	1		
	υ	62610		3867.85	NGVD29	1	Z	
1947-05-23 1947-05-23	D	62611		3869.30	NAVD88	1	Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum
1947-07-27	D 62610) 38	67.85 NGVD29	1 Z	
1947-07-27	D 6261	. 38	69.30 NAVD88	1 Z	
1947-07-27	D 72019	38.70		1 Z	
1947-09-12	D 62610	38	67.85 NGVD29	1 Z	
1947-09-12	D 6261	. 38	69.30 NAVD88	1 Z	
1947-09-12	D 72019	38.70		1 Z	
1947-11-17	D 62610	38	67.83 NGVD29	1 Z	
1947-11-17	D 6261	. 38	69.28 NAVD88	1 Z	
1947-11-17	D 72019	38.72		1 Z	
1948-01-16	D 62610	38	67.95 NGVD29	1 Z	
1948-01-16	D 6261	. 38	69.40 NAVD88	1 Z	
1948-01-16	D 72019	38.60		1 Z	
1948-03-26	D 62610	38	67.77 NGVD29	1 Z	
1948-03-26	D 6261	. 38	69.22 NAVD88	1 Z	
1948-03-26	D 72019	38.78		1 Z	
1948-05-24	D 62610	38	67.74 NGVD29	1 Z	
1948-05-24	D 6261	. 38	69.19 NAVD88	1 Z	
1948-05-24	D 72019	38.81		1 Z	
1948-07-24	D 62610) 38	67.70 NGVD29	1 Z	
1948-07-24	D 6261	. 38	69.15 NAVD88	1 Z	
1948-07-24	D 72019	38.85		1 Z	
1948-09-25	D 62610	38	67.65 NGVD29	1 Z	
1948-09-25	D 6261	. 38	69.10 NAVD88	1 Z	
1948-09-25	D 72019	38.90		1 Z	
1948-11-17	D 62610) 38	67.64 NGVD29	1 Z	
1948-11-17	D 6261		69.09 NAVD88	1 Z	
1948-11-17	D 72019			1 Z	
1949-01-22	D 62610		67.62 NGVD29	1 Z	
1949-01-22	D 6261		69.07 NAVD88	1 Z	
1949-01-22	D 72019			1 Z	
1949-03-22	D 62610		67.63 NGVD29	1 Z	
1949-03-22	D 6261		69.08 NAVD88	1 Z	
1949-03-22	D 72019			1 Z	
1949-05-23	D 62610		67.54 NGVD29	1 Z	
1949-05-23	D 6261		58.99 NAVD88	1 Z	
1949-05-23	D 72019			1 Z 1 Z	
1949-07-27	D 62610		67.52 NGVD29		
1949-07-27	D 6261		68.97 NAVD88	1 Z 1 Z	
1949-07-27 1949-09-23	D 72019 D 62610		67.45 NGVD29	1 Z 1 Z	
1949-09-23	D 6261		68.90 NAVD88	1 Z	
1949-09-23	D 72019		00.90 NAVD00	1 Z	
1949-11-17	D 62610		67.44 NGVD29	1 Z	
1949-11-17	D 6261		68.89 NAVD88	1 Z	
1949-11-17	D 72019			1 Z	
1950-01-18	D 62610		67.45 NGVD29	1 Z	
1950-01-18	D 6261		68.90 NAVD88	1 Z	
1950-01-18	D 72019			1 Z	
1950-03-24	D 62610		67.45 NGVD29	1 Z	
1950-03-24	D 6261		68.90 NAVD88	1 Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface	3	Water level, feet above specific vertical datum
1050 02 24		72010	20.10			1	7	
1950-03-24	D	72019	39.10	2067 41		1	Z	
1950-05-17	D	62610		3867.41	NGVD29	1	Z	
1950-05-17	D	62611		3868.86	NAVD88	1	Z	
1950-05-17	D	72019	39.14	2067.25		1	Z	
1950-07-21	D	62610		3867.35	NGVD29	1	Z	
1950-07-21	D	62611	20.20	3868.80	NAVD88	1	Z	
1950-07-21	D	72019	39.20	2067.22		1	Z	
1950-09-21	D	62610		3867.33	NGVD29	1	Z	
1950-09-21	D	62611	20.22	3868.78	NAVD88	1	Z	
1950-09-21	D	72019	39.22	2067 41		1	Z	
1950-11-18	D	62610		3867.41	NGVD29	1	Z	
1950-11-18	D	62611	20.44	3868.86	NAVD88	1	Z	
1950-11-18	D	72019	39.14	2067 15		1	Z	
1951-01-21	D	62610		3867.42	NGVD29	1	Z	
1951-01-21	D	62611		3868.87	NAVD88	1	Z	
1951-01-21	D	72019	39.13	0067.40		1	Z	
1951-03-24	D	62610		3867.40	NGVD29	1	Z	
1951-03-24	D	62611		3868.85	NAVD88	1	Z	
1951-03-24	D	72019	39.15			1	Z	
1951-05-22	D	62610		3867.37	NGVD29	1	Z	
1951-05-22	D	62611		3868.82	NAVD88	1	Z	
1951-05-22	D	72019	39.18			1	Z	
1951-07-25	D	62610		3867.35	NGVD29	1	Z	
1951-07-25	D	62611		3868.80	NAVD88	1	Z	
1951-07-25	D	72019	39.20			1	Z	
1951-09-21	D	62610		3867.32	NGVD29	1	Z	
1951-09-21	D	62611		3868.77	NAVD88	1	Z	
1951-09-21	D	72019	39.23			1	Z	
1951-11-21	D	62610		3867.28	NGVD29	1	Z	
1951-11-21	D	62611		3868.73	NAVD88	1	Z	
1951-11-21	D	72019	39.27			1	Z	
1952-01-04	D	62610		3867.29	NGVD29	1	Z	
1952-01-04	D	62611		3868.74	NAVD88	1	Z	
1952-01-04	D	72019	39.26	0005-55		1	Z	
1952-03-22	D	62610		3867.25	NGVD29	1	Z	
1952-03-22	D	62611		3868.70	NAVD88	1	Z	
1952-03-22	D	72019	39.30			1	Z	
1952-05-24	D	62610		3867.18	NGVD29	1	Z	
1952-05-24	D	62611		3868.63	NAVD88	1	Z	
1952-05-24	D	72019	39.37	2017 17	NOVER	1	Z	
1952-07-22	D	62610		3867.17	NGVD29	1	Z	
1952-07-22	D	62611	20.00	3868.62	NAVD88	1	Z	
1952-07-22	D	72019	39.38	2067 10		1	Z	
1952-09-18	D	62610		3867.12	NGVD29	1	Z	
1952-09-18	D	62611	20, 12	3868.57	NAVD88	1	Z	
1952-09-18	D	72019	39.43	2067.00		1	Z	
1952-11-19	D	62610		3867.08	NGVD29	1	Z	
1952-11-19	D	62611		3868.53	NAVD88	1	Z	
1952-11-19	D	72019	39.47			1	Z	
1953-01-07	D	62610		3867.07	NGVD29	1	Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface		Water level, feet above specific vertical datum
1953-01-07	D	62611		3868.52	NAVD88	1	Z	
1953-01-07	D	72019	39.48	5000.52	NAV DOO	1	Z	
1953-03-24	D	62610	55.10	3867.02	NGVD29	1	Z	
1953-03-24	D	62611		3868.47	NAVD88	1	Z	
1953-03-24	D	72019	39.53	0000117		1	Z	
1953-05-23	D	62610	0,000	3866.99	NGVD29	1	Z	
1953-05-23	D	62611		3868.44	NAVD88	1	Z	
1953-05-23	D	72019	39.56			1	Z	
1953-07-22	D	62610		3866.97	NGVD29	1	Z	
1953-07-22	D	62611		3868.42	NAVD88	1	Z	
1953-07-22	D	72019	39.58			1	Z	
1953-09-03	D	62610		3866.93	NGVD29	1	Z	
1953-09-03	D	62611		3868.38	NAVD88	1	Z	
1953-09-03	D	72019	39.62			1	Z	
1953-11-20	D	62610		3866.94	NGVD29	1	Z	
1953-11-20	D	62611		3868.39	NAVD88	1	Z	
1953-11-20	D	72019	39.61			1	Z	
1954-01-11	D	62610		3866.92	NGVD29	1	Z	
1954-01-11	D	62611		3868.37	NAVD88	1	Z	
1954-01-11	D	72019	39.63			1	Z	
1954-03-02	D	62610		3866.90	NGVD29	1	Z	
1954-03-02	D	62611		3868.35	NAVD88	1	Z	
1954-03-02	D	72019	39.65			1	Z	
1954-05-11	D	62610		3866.89	NGVD29	1	Z	
1954-05-11	D	62611		3868.34	NAVD88	1	Z	
1954-05-11	D	72019	39.66			1	Z	
1954-07-13	D	62610		3866.87	NGVD29	1	Z	
1954-07-13	D	62611		3868.32	NAVD88	1	Z	
1954-07-13	D	72019	39.68			1	Z	
1954-09-15	D	62610		3866.82	NGVD29	1	Z	
1954-09-15	D	62611		3868.27	NAVD88	1	Z	
1954-09-15	D	72019	39.73			1	Z	
1954-11-09	D	62610		3866.78	NGVD29	1	Z	
1954-11-09	D	62611		3868.23	NAVD88	1	Z	
1954-11-09	D	72019	39.77			1	Z	
1955-01-06	D	62610		3866.76	NGVD29	1	Z	
1955-01-06	D	62611		3868.21	NAVD88	1	Z	
1955-01-06	D	72019	39.79			1	Z	
1955-03-19	D	62610		3866.72	NGVD29	1	Z	
1955-03-19	D	62611		3868.17	NAVD88	1	Z	
1955-03-19	D	72019	39.83			1	Z	
1955-05-27	D	62610		3866.65	NGVD29	1	Z	
1955-05-27	D	62611		3868.10	NAVD88	1	Z	
1955-05-27	D	72019	39.90			1	Z	
1955-07-15	D	62610		3866.63	NGVD29	1	Z	
1955-07-15	D	62611		3868.08	NAVD88	1	Z	
1955-07-15	D	72019	39.92	2000 -		1	Z	
1955-09-23	D	62610		3866.59	NGVD29	1	Z	
1955-09-23	D	62611		3868.04	NAVD88	1	Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface	le fe s v	/ater evel, eet bove pecific ertical atum
1955-11-28	D	62610		3866.66	NGVD29	1	Z	
1955-11-28	D	62611		3868.11	NAVD88	1	Z	
1955-11-28	D	72019	39.89			1	Z	
1956-01-05	D	62610		3866.72	NGVD29	1	Z	
1956-01-05	D	62611		3868.17	NAVD88	1	Z	
1956-01-05	D	72019	39.83	2000 72		1	Z	
1956-03-14	D	62610		3866.73	NGVD29	1	Z	
1956-03-14	D	62611		3868.18	NAVD88	1	Z	
1956-03-14	D	72019	39.82	2000 74		1	Z	
1956-05-09	D	62610		3866.71	NGVD29	1	Z	
1956-05-09	D	62611	22.24	3868.16	NAVD88	1	Z	
1956-05-09	D	72019	39.84			1	Z	
1956-07-26	D	62610		3866.62	NGVD29	1	Z	
1956-07-26	D	62611		3868.07	NAVD88	1	Z	
1956-07-26	D	72019	39.93			1	Z	
1956-09-06	D	62610		3866.61	NGVD29	1	Z	
1956-09-06	D	62611		3868.06	NAVD88	1	Z	
1956-09-06	D	72019	39.94			1	Z	
1956-11-30	D	62610		3866.62	NGVD29	1	Z	
1956-11-30	D	62611		3868.07	NAVD88	1	Z	
1956-11-30	D	72019	39.93			1	Z	
1957-01-23	D	62610		3866.65	NGVD29	1	Z	
1957-01-23	D	62611		3868.10	NAVD88	1	Z	
1957-01-23	D	72019	39.90			1	Z	
1957-03-06	D	62610		3866.63	NGVD29	1	Z	
1957-03-06	D	62611		3868.08	NAVD88	1	Z	
1957-03-06	D	72019	39.92			1	Z	
1957-06-06	D	62610		3866.59	NGVD29	1	Z	
1957-06-06	D	62611		3868.04	NAVD88	1	Z	
1957-06-06	D	72019	39.96			1	Z	
1957-09-11	D	62610		3866.68	NGVD29	1	Z	
1957-09-11	D	62611		3868.13	NAVD88	1	Z	
1957-09-11	D	72019	39.87			1	Z	
1958-01-15	D	62610		3866.67	NGVD29	1	Z	
1958-01-15	D	62611		3868.12	NAVD88	1	Z	
1958-01-15	D	72019	39.88			1	Z	
1958-03-18	D	62610		3866.65	NGVD29	1	Z	
1958-03-18	D	62611		3868.10	NAVD88	1	Z	
1958-03-18	D	72019	39.90			1	Z	
1958-06-25	D	62610		3866.57	NGVD29	1	Z	
1958-06-25	D	62611		3868.02	NAVD88	1	Z	
1958-06-25	D	72019	39.98			1	Z	
1958-09-10	D	62610		3866.51	NGVD29	1	Z	
1958-09-10	D	62611		3867.96	NAVD88	1	Z	
1958-09-10	D	72019	40.04			1	Z	
1959-01-18	D	62610		3868.61	NGVD29	1	Z	
1959-01-18	D	62611		3870.06	NAVD88	1	Z	
1959-01-18	D	72019	37.94			1	Z	
1959-03-10	D	62610		3867.58	NGVD29	1	Z	
1959-03-10	D	62611		3869.03	NAVD88	1	Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	
1050 02 10		72040	20.07				-	
1959-03-10	D	72019	38.97	2067.66		1	Z	
1959-06-02	D	62610		3867.66	NGVD29	1	Z	
1959-06-02	D	62611	20.00	3869.11	NAVD88	1	Z	
1959-06-02 1959-09-15	D	72019 62610	38.89	3867.36	NGVD29	1	Z	
1959-09-15	D	62611		3868.81	NGVD29 NAVD88	1	Z	
1959-09-15	D	72019	39.19	5000.01	NAVDOO	1	Z	
1960-01-15	D	62610	59.19	3867.23	NGVD29	1	Z	
1960-01-15	D	62611		3868.68	NAVD88	1	Z	
1960-01-15	D	72019	39.32	5000.00	NAVDOO	1	Z	
1960-03-23	D	62610	59.52	3867.17	NGVD29	1	Z	
1960-03-23	D	62611		3868.62	NAVD88	1	Z	
1960-03-23	D	72019	39.38	0000102	1	1	Z	
1960-06-02	D	62610	0,000	3867.07	NGVD29	1	Z	
1960-06-02	D	62611		3868.52	NAVD88	1	Z	
1960-06-02	D	72019	39.48			1	Z	
1960-09-01	D	62610		3868.05	NGVD29	1	Z	
1960-09-01	D	62611		3869.50	NAVD88	1	Z	
1960-09-01	D	72019	38.50			1	Z	
1961-01-17	D	62610		3868.30	NGVD29	1	Z	
1961-01-17	D	62611		3869.75	NAVD88	1	Z	
1961-01-17	D	72019	38.25			1	Z	
1961-03-27	D	62610		3868.26	NGVD29	1	Z	
1961-03-27	D	62611		3869.71	NAVD88	1	Z	
1961-03-27	D	72019	38.29			1	Z	
1961-06-01	D	62610		3868.09	NGVD29	1	Z	
1961-06-01	D	62611		3869.54	NAVD88	1	Z	
1961-06-01	D	72019	38.46			1	Z	
1961-09-06	D	62610		3868.16	NGVD29	1	Z	
1961-09-06	D	62611		3869.61	NAVD88	1	Z	
1961-09-06	D	72019	38.39			1	Z	
1962-01-16	D	62610		3867.84	NGVD29	1	Z	
1962-01-16	D	62611		3869.29	NAVD88	1	Z	
1962-01-16	D	72019	38.71			1	Z	
1962-03-27	D	62610		3867.67	NGVD29	1	Z	
1962-03-27	D	62611		3869.12	NAVD88	1	Z	
1962-03-27	D	72019	38.88			1	Z	
1962-06-19	D	62610		3867.36	NGVD29	1	Z	
1962-06-19	D	62611		3868.81	NAVD88	1	Z	
1962-06-19	D	72019	39.19			1	Z	
1962-09-24	D	62610		3867.31	NGVD29	1	Z	
1962-09-24	D	62611		3868.76	NAVD88	1	Z	
1962-09-24	D	72019	39.24			1	Z	
1963-02-18	D	62610		3867.55	NGVD29	1	Z	
1963-02-18	D	62611		3869.00	NAVD88	1	Z	
1963-02-18	D	72019				1	Z	
1963-09-23	D	62610		3867.67	NGVD29	1	Z	
1963-09-23	D	62611		3869.12	NAVD88	1	Z	
1963-09-23	D	72019	38.88			1	Z	
1964-02-10	D	62610		3867.67	NGVD29	1	Z	

Date	Time		? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface		Water level, feet above specific vertical datum
	5	62644		2060 42	111/000		-	
1964-02-10	D	62611		3869.12	NAVD88	1	Z	
1964-02-10	D	72019	38.88			1	Z	
1964-09-15	D	62610		3867.47	NGVD29	1	Z	
1964-09-15	D	62611	20.00	3868.92	NAVD88	1	Z	
1964-09-15	D	72019	39.08	2067 20	NCVD20	1	Z	
1965-02-10	D	62610		3867.28	NGVD29	1	Z	
1965-02-10	D	62611	20.27	3868.73	NAVD88	1	Z	
1965-02-10 1965-09-13	D	72019	39.27	2966.90	NCVD20	1	z z	
	D	62610		3866.80	NGVD29	1	Z	
1965-09-13		62611	20.75	3868.25	NAVD88	1		
1965-09-13	D	72019	39.75	2966 62	NCVD20	1	z z	
1966-02-07		62610		3866.63	NGVD29	1		
1966-02-07 1966-02-07	D	62611 72019	39.92	3868.08	NAVD88	1 1	Z Z	
1966-09-27	D		39.92	2967 41	NCVD20		Z	
1966-09-27	D	62610 62611		3867.41 3868.86	NGVD29 NAVD88	1 1	Z	
1966-09-27	D	72019	39.14	2000.00	NAVDOO	1	Z	
1967-01-03	D	62610	59.14	3867.34	NGVD29	1	Z	
1967-01-03	D	62611		3868.79	NAVD88	1	Z	
.967-01-03	D	72019	39.21	5000.75	NAV DOG	1	Z	
968-01-02	D	62610	55.21	3866.15	NGVD29	1	Z	
.968-01-02	D	62611		3867.60	NAVD88	1	Z	
.968-01-02	D	72019	40.40	5607.00	NAVDOO	1	Z	
.969-01-14	D	62610	40.40	3865.69	NGVD29	1	Z	
.969-01-14	D	62611		3867.14	NAVD88	1	Z	
969-01-14	D	72019	40.86	5007.14	NAVDOO	1	Z	
970-01-05	D	62610	40.00	3865.29	NGVD29	1	Z	
970-01-05	D	62611		3866.74	NAVD88	1	Z	
970-01-05	D	72019	41.26	5000.71	1010000	1	Z	
971-02-12	D	62610		3864.81	NGVD29	1	Z	
.971-02-12	D	62611		3866.26	NAVD88	1	Z	
.971-02-12	D	72019	41.74	0000120		1	Z	
976-03-04	D	62610		3864.00	NGVD29	1	Z	
.976-03-04	D	62611		3865.45	NAVD88	1	Z	
976-03-04	D	72019	42.55			1	Z	
.981-01-21	D	62610		3861.37	NGVD29	1	Z	
.981-01-21	D	62611		3862.82	NAVD88	1	Z	
.981-01-21	D	72019	45.18			1	Z	
.986-04-09	D	62610		3859.16	NGVD29	1	Z	
.986-04-09	D	62611		3860.61	NAVD88	1	Z	
.986-04-09	D	72019	47.39			1	Z	
.996-02-08	D	62610		3856.14	NGVD29	1	S	
996-02-08	D	62611		3857.59	NAVD88	1	S	
.996-02-08	D	72019	50.41			1	S	
2001-01-16	D	62610		3854.32	NGVD29	1	S	
2001-01-16	D	62611		3855.77	NAVD88	1	S	
2001-01-16	D	72019	52.23			1	S	
2006-02-22 17:44 UTC	m	62610		3854.42	NGVD29	1	S	USGS
006-02-22 17:44 UTC	m	62611		3855.87	NAVD88	1	S	USGS
2006-02-22 17:44 UTC	m	72019	52.13			1	S	USGS

Date	Time	N c	? Water-level date-time accuracy		? Parameter code	Water level, feet below land surface		Water level, feet above specific vertical datum	
2016-01-06 22:48 UTC	m	62610		3851.06	NGVD29	1	S	USGS	
2016-01-06 22:48 UTC	m	62611		3852.51	NAVD88	1	S	USGS	
2016-01-06 22:48 UTC	m	72019	55.49	5052.51	1010000	1	S	USGS	
2020-12-31 20:46 UTC	m	62610		3849.23	NGVD29	1	S	USGS	
2020-12-31 20:46 UTC	m	62611		3850.68	NAVD88	1	S	USGS	
2020-12-31 20:46 UTC	m	72019	57.32			1	S	USGS	
2021-12-22 19:02 UTC	m	62610		3848.49	NGVD29	1	V	USGS	
2021-12-22 19:02 UTC	m	62611		3849.94	NAVD88	1	V	USGS	
2021-12-22 19:02 UTC	m	72019	58.06			1	V	USGS	
2022-12-22 18:52 UTC	m	62610		3848.12	NGVD29	1	S	USGS	
2022-12-22 18:52 UTC	m	62611		3849.57	NAVD88	1	S	USGS	
2022-12-22 18:52 UTC	m	72019	58.43			1	S	USGS	

Explanation								
Section	Code	Description						
Water-level date-time accuracy	D	Date is accurate to the Day						
Water-level date-time accuracy	m	Date is accurate to the Minute						
Parameter code	62610	Groundwater level above NGVD 1929, feet						
Parameter code	62611	Groundwater level above NAVD 1988, feet						
Parameter code	72019	Depth to water level, feet below land surface						
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988						
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929						
Status	1	Static						
Method of measurement	S	Steel-tape measurement.						
Method of measurement	V	Calibrated electric-tape measurement.						
Method of measurement	Z	Other.						
Measuring agency		Not determined						
Measuring agency	USGS	U.S. Geological Survey						
Source of measurement		Not determined						
Source of measurement	S	Measured by personnel of reporting agency.						
Water-level approval status	А	Approved for publication Processing and review completed.						

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2023-07-07 12:17:53 EDT 0.31 0.25 nadww01





APPENDIX C

NMSLO Right of Way Easement



Stephanie Garcia Richard COMMISSIONER

State of New Mexico Commissioner of Public Lands 310 OLD SANTA FE TRAIL

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148 COMMISSIONER'S OFFICE Phone (505) 827-5760 Fax (505) 827-5766 www.nmstatelands.org

March 24, 2023

BTA Oil Producers, LLC 103 South Pecos Midland, Texas 79701

Attn: Ryan Weaver

Re: NM State Land Office Right of Way Easement No. R-40581

Dear Applicant:

Enclosed is your approved signed copy of the captioned grant of right-of-way easement. Also enclosed are an Affidavit of Completion form to be filled out and returned to this office upon completion of the project.

The New Mexico State Land Office requires you to notify any surface lessees that will be impacted by your project prior to construction.

If you have any questions, please feel free to contact Philip Garcia of the Rights of Way Department at 505-827-5751 or via email at <u>pgarcia@slo.state.nm.us</u>.

Sincerely,

James S. Bordegaray Director, Commercial Resource Division

JSG/pg

Enclosures (3)

STATE OF NEW MEXICO COMMISSIONER OF PUBLIC LANDS PIPELINE RIGHT-OF-WAY

Right-of-Way Easement No. <u>R-40581</u> 22115 Village Produced Water Pipeline to H35

This indenture made this 24th day of <u>March</u>, 2023 by and between the State of New Mexico, acting by and through its Commissioner of Public Lands, "Grantor", and <u>BTA Oil Producers, LLC</u> whose address is <u>103 South Pecos, Midland, Texas 79701</u> Grantee;

WITNESSETH:

That Grantor, for and in consideration of the sum of \$35,038.00--------Thirty Five Thousand Thirty Eight Dollars and 00/100------cash in hand, receipt of which is hereby acknowledged, and other good and valuable consideration, hereby conveys to Grantee a right-of-way for the sole and exclusive purpose of one (1) buried poly produced water pipeline not to exceed 12 ³/₄" O.D. including the right to enter upon the real estate hereinafter described at any time that it may see fit to construct, maintain and repair the structures upon the right-of-way, together with the right to remove trees, brush, undergrowth, and other obstructions interfering with the location, construction, and maintenance of said right-of-way.

The right-of-way hereby granted covers a strip of land <u>30</u> feet in width in <u>Lea</u> County (ies), as more particularly described by the attached centerline description and survey plats, which are incorporated herein as Exhibit A.

This grant is made upon the following express terms and conditions:

- 1. This right-of-way is granted for a term of <u>35</u> years. The grant may be renewed for additional periods upon application to Grantor. Any such renewals are subject to such terms and conditions as the Grantor may require, and payment of compensation.
- 2. Grantor reserves the right to authorize or grant rights-of-way or other easements to third parties, which may be over, parallel to, or across this right-of-way. In such cases, the subsequent grantee may, at the discretion of the Grantor, be required to post a bond guaranteeing payment for damages to the installations and improvements of Grantee herein. In crossing any right-of-way for a highway, road, telephone, telegraph, transmission line, etc. Grantee herein will exercise due care so as not to interfere with said rights-of-way and will comply with all applicable laws, rules, and regulations in connection with the making of such crossings.
- 3. The right to grant additional rights-of-way or easements within this right-of-way belongs exclusively to Grantor. Grantor hereby agrees, however, that in the event Grantor elects to exercise such right and if Grantee herein is the New Mexico State Highway and Transportation Department, Grantor will secure in writing the agreement of subsequent right-of-way grantee that no facilities will be constructed or installed within the right-of-way subsequently granted without first obtaining from the Department a permit prescribing the conditions under which facilities may be placed within such right-of-way in accordance with the Department's applicable rules and regulations.
- 4. GRANTEE EXPRESSLY AGREES THAT PRIOR TO THE CONSTRUCTION OR INSTALLATION OF ANY FACILITIES WITHIN THE RIGHT-OF-WAY GRANTED HEREIN, GRANTEE WILL DETERMINE WHETHER THE RIGHT-OF-WAY IS WITHIN A PREVIOUSLY ESTABLISHED NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT RIGHT-OF-WAY, AND IF IT IS, GRANTEE WILL OBTAIN FROM THE DEPARTMENT A PERMIT THAT PRESCRIBES THE CONDITIONS UNDER WHICH

Received by OCD: 4/23/2025 9:34:56 AM

Received by OCD: 4/23/2025 9:34:56 AM

25

Right-of-Way Easement No. R-40581

FACILITIES MAY BE PLACED WITHIN THE RIGHT-OF-WAY IN ACCORDANCE WITH THE DEPARTMENT'S APPLICABLE RULES AND REGULATIONS. GRANTEE FURTHER UNDERSTANDS AND AGREES THAT THE FAILURE TO OBTAIN SUCH PERMIT SHALL RESULT IN THE FORCIBLE REMOVAL BY THE DEPARTMENT OF ANY FACILITIES THAT MAY BE CONSTRUCTED OR INSTALLED WITHIN THE RIGHT-OF-WAY.

- 5. In clearing the right-of-way, Grantee agrees to dispose of brush and other debris so as not to interfere with the movement of livestock of state agriculture lessees.
- 6. All pipelines placed on said lands by virtue of this grant shall be buried not less than twenty inches (20") deep. An exception to this requirement may be granted on other than agricultural lands when hard rock is encountered which would require blasting, or when a temporary pipeline is necessary and will not unduly hamper other surface uses. Deviation of the twenty-inch depth must be shown on the plat accompanying the application for right-of-way or by the filing of an amended plat upon completion of construction.
- 7. Grantee hereby agrees to carefully avoid destruction or injury to any improvements or livestock lawfully upon the premises described herein, to close all gates immediately upon passing through same, and to pay promptly the reasonable and just damages for any injury or destruction arising from construction or maintenance of this right-of way.
- 8. Grantee shall not assign this right-of-way without the prior written approval of Grantor, which shall not be unreasonably withheld. Such approval may be conditioned upon the agreement by Grantee's assignee to additional conditions and covenants and may require payment of additional compensation to Grantor. This right-of-way is for the sole purpose stated and no other. Grantee agrees not to sell or otherwise grant to any person or entity any interest therein or the right to use any portion thereof.
- 9. The rights granted herein are subject to valid existing rights.
- 10. Grantor reserves the right to execute leases for oil and gas, coal, and minerals of whatsoever kind and for geothermal resources development and operation, the right to sell or dispose of same and the right to grant rights-of-way and easements related to such leasing.
- 11. In all matters affecting the premises described herein or operations thereon, Grantee, its employees, agents and contractors shall, at their own expense, fully comply with all laws, regulations, rules, ordinances, and requirements of any governmental authority or agency, which may be enacted or promulgated, including, but not limited to, requirements or enactments pertaining to conservation, sanitation, aesthetics, pollution, cultural properties, fire, or ecology, including those provisions of the New Mexico Cultural Properties Act, §§18-6-1 through 17, NMSA 1978, that attach criminal penalties to the appropriation, excavation, injury or destruction of any site or object of historical, archaeological, architectural, or scientific value located on state lands. In addition, Grantee, its employees, agents and contractors must comply with the provisions of the Pipeline Safety Act, §§ 70-3-11 through 20, NMSA 1978, and rules enacted pursuant to the Act, and agree to provide the Public Regulation Commission access to records of compliance.

Non-use of the right-of-way granted herein for any period in excess of one (1) year without the prior written consent of Grantor shall be conclusive proof of abandonment of the right-of-way, and shall cause the right-of-way to lapse *ipso facto* and revert to Grantor without further action or notice required of Grantor; and non-use for shorter periods shall place upon grantee the burden of providing that there was no intent to abandon. Grantee's abandonment cannot be waived by any action or inaction of Grantor or by Grantor's failure to discover such abandonment. The resumption of use by Grantee after abandonment shall be deemed a trespass. Grantee, if other than a governmental entity that is provided

immunity from suit by the New Mexico Tort Claims Act, agrees to save and hold harmless, defend and indemnify the State of New Mexico, the Commissioner of Public Lands, and his agents or employees, in their official and individual capacities, of and from any and all liability, claims, losses, or damages arising out of or alleged to arise out of or indirectly connected with the operations of Grantee, its employees, agents, or contractors hereunder; provided however that such claims, losses, or damages are not caused by the negligence or willful misconduct of Grantor.

- 12. Notwithstanding anything contained herein, Grantor may cancel this grant for violation of any of the covenants of this agreement; provided, however, that before any such cancellation shall become effective, Grantor shall mail to grantee or any approved assignee, by certified mail addressed to the post office address of Grantee or such assignee shown by Land Office records, a sixty (60) day notice of intention to cancel, specifying the default for which the grant is subject to cancellation. No proof of receipt of notice shall be necessary and sixty (60) days after such mailing, Grantor may enter cancellation unless Grantee shall have sooner remedied the default to the satisfaction of Grantor.
- 13. Grantee agrees to preserve and protect the natural environmental conditions of the land encompassed in this grant, and to take those reclamation or corrective actions that are accepted soil and water conservation practices and that are deemed necessary by Grantor to protect the land from pollution, erosion, or other environmental degradation as more particularly described by the attached New Mexico State Land Office Required Best Management Practices for Surface Users, which are incorporated herein as Exhibit B.
- 14. Grantee agrees to reclaim by grading, leveling, or terracing all areas disturbed by the construction or maintenance of the right-of-way or operations thereon and to landscape such areas at its own cost and expense. Landscaping shall include the planting of native grasses, shrubs, or other vegetation so as to return disturbed areas to their natural state and prevent water and wind erosion.
- 15. This grant shall become effective upon its execution by Grantor.

Stipulations:

• Temporary Construction Space is granted up to 20' additional width during the initial construction phase and during any subsequent maintenance, this excludes any remediation phase. Temporary Construction Space not to exceed 180 days.

Released to Imaging: 5/1/2025 11:46:21 AM

Page 76 of 392

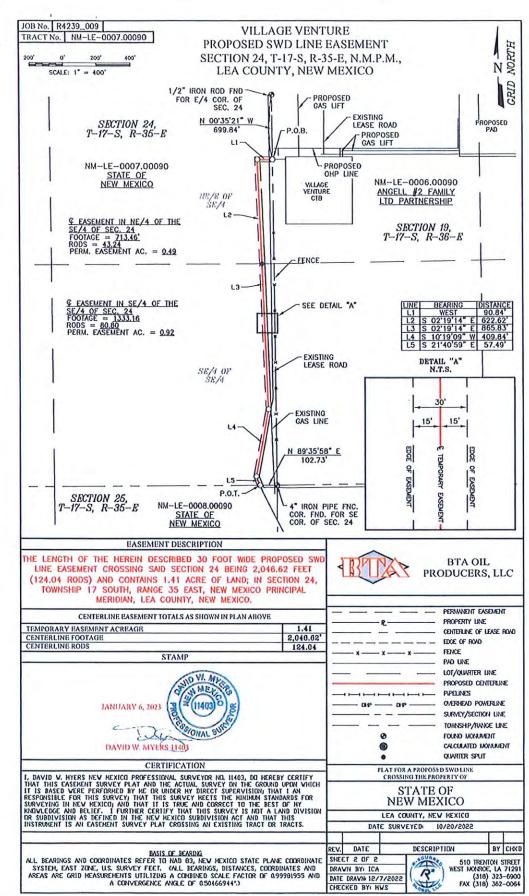
Right-of-Way Easement No. R-40581

GRANTEE: BTA Oil Producers, LLC By: Alex Beal, Member ACKNOWLEDGMENT Texas STATE OF) ss. COUNTY OF Midland The foregoing instrument was acknowledged before me this 23rd day of March , 20 23 Alex Beal, Member BTA Oil Producers, LLC by of a Texas limited liability company or behalf of said limited liability company. My Commission Expires: 2026 4 27 HAVEN WHIPPLE Notary Public, State of Texas NOTARY Notary ID 13154604-0 My Commission Exp. 04/27/2026 STATE OF NEW MEXICO BY: Stephanie Garcia Richard Commissioner of Public Lan S E 03/2 DATE: A THIN SSIWE L S-25 (Revised 07/19/2019)

Released to Imaging: 5/1/2025 11:46:21 AM

(4)

Page 77 of 392





Page 78 of 392

EXHIBIT "A"

SHEET I OF 2

NM-LE-0007.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

The centerline of a proposed 30 foot wide permanent swd line easement, being 1.41 acres of land. Said easement being located in Section 24, Township 17 South, Range 35 East, New Mexico Principal Meridian, Lea County, New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 1/2 inch iron rod found for the East quarter corner of said Section 24 bears N 00°35'21" W a distance of 699.84 feet.

(NE/4 OF THE SE/4)

THENCE crossing the Northeast quarter of the Southeast quarter of said Section 24 the following courses and distances

WEST a distance of 90.84 feet, S 02°19'14" E a distance of 622.62 feet to the South line of said Northeast quarter of the Southeast quarter of Section 24.

The length of the herein described permanent swd line easement crossing the said Northeast quarter of the Southeast quarter of Section 24 being 713,46 feet (43,24 rods), containing 0.49 acre of land.

(SE/4 OF THE SE/4)

THENCE crossing the Southeast quarter of Southeast quarter of said Section 24 the following courses and distances:

S 02°19'14" E a distance of 865.83 feet, S 10°19'09" W a distance of 409.84 feet, S 21°40'59" E a distance of 57.49 feet to the *POINT OF TERMINATION*, from which a 4 inch iron pipe fence corner found for the Southeast corner of said section 24 bears N 89°35'58" E a distance of 102.73 feet.

The length of the herein described permanent swd line easement crossing the said Southeast quarter of the Southeast quarter of Section 24 being 1,333.16 feet (80.80 rods), containing 0.92 acre of land.

The total length of the above described permanent easement of said Section 24 being 2,046.62 feet (124.04 rods), containing 1.41 acre of land.

The edges of the casement are parallel with the centerline of the easement until reaching the boundaries of the subject tract of land, unless otherwise shown.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944°.)

Title information furnished by BTA Oil Producers, LLC.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

STATE OF NEW MEXICO

STATE OF NEW MEALOG COUNTY OF LEA J. David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this instrument is on easement survey plat crossing an existing tract or tracts. and that this instrument is an easement survey plat crossing an existing tract or tracts.

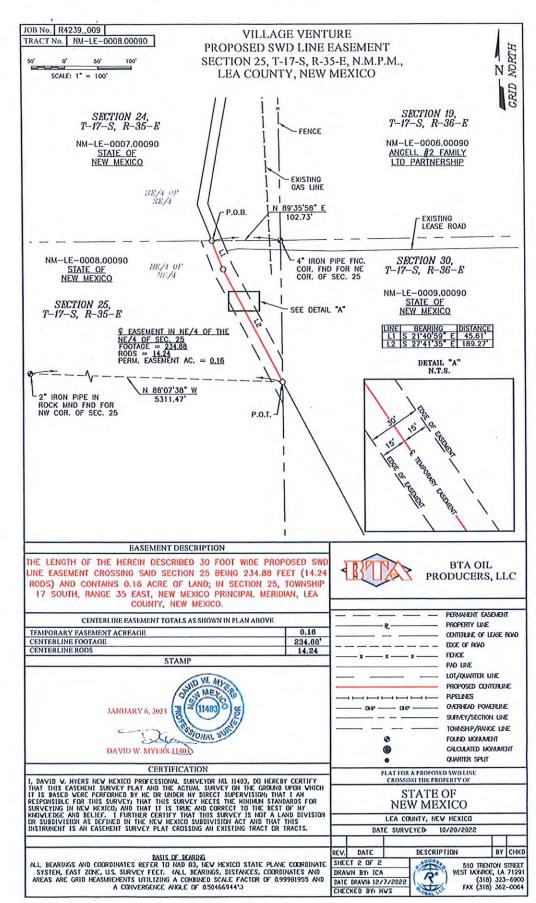


100	510 TRENTON ST.	This field note description is to occompany a plat evenly dated.	.09 1: R4239-0		009	
(3)	(318) 323-6900	Modification in any way of the foregoing description terminates liability	1.1			
A LILL	FAX (318) 362-0064	of Surveyor.	REV.	DATE	BY	

058

Released to Imaging: 5/1/2025 11:46:21 AM

Page 79 of 392



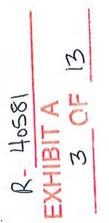


EXHIBIT "A"

NM-LE-0008.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

The centerline of a proposed 30 foot wide permanent swd line easement, being 0.16 acre of land. Said easement being located in Section 25, Township 17 South, Range 35 East, New Mexico Principal Meridian, Lea County, New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 4 inch iron pipe fence corner for the Northeast corner of said Section 25 bears N 89°35'58" E a distance of 102.73 feet.

(NE/4 OF THE NE/4)

THENCE crossing the Northeast quarter of the Northeast quarter of said Section 25 the following courses and distances:

S 21°40'59" E a distance of 45.61 feet, S 27°41'35" E a distance of 189.27 feet to the *POINT OF TERMINATION*.from which a 2 inch iron pipe in rock mound found for the Northwest corner of said Section 25 bears N 88°07'38" W a distance of 5,311.47 feet.

The length of the herein described permanent swd line easement crossing the said Northeast quarter of the Northeast quarter of Section 25 being 234.88 feet (14.24 rods), containing 0.16 acre of land.

The total length of the above described permanent easement of said Section 25 being 234.88 feet (14.24 rods), containing 0.16 acre of land.

The edges of the casement are parallel with the centerline of the casement until reaching the boundaries of the subject tract of land, unless otherwise shown.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944°.)

Title information furnished by BTA Oil Producers, LLC.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

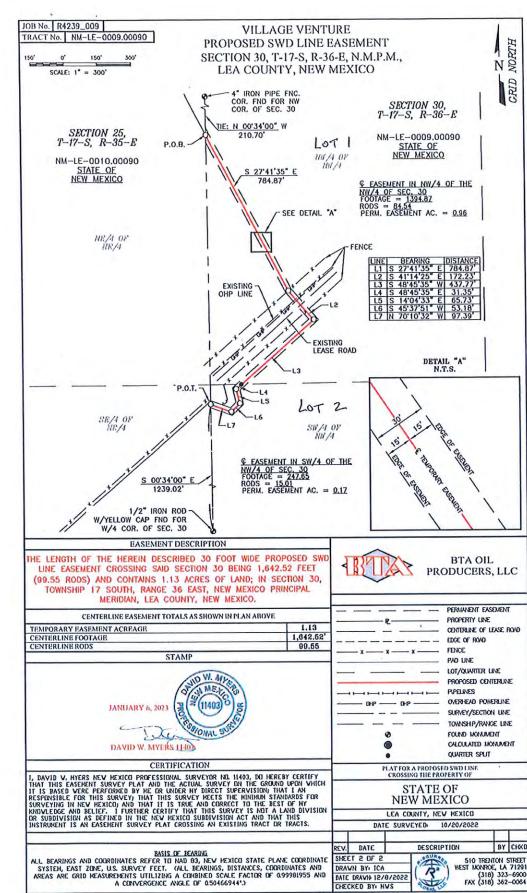
STATE OF NEW MEXICO COUNTY OF LEA I, David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement I, David W, Myers, New Mexico Professionin Surveyor No. 1140 do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an easement survey plat crossing an existing tract or tracts.

	WID W. MYCA
JANUARY 6, 2023	PH (1403 6) 10 10
- Du	PASIONAL SURVE
DAVID W. MYER	\$ 11403.

(A)	510 TRENTON ST.	This field note description is to accompany a plat eventy dated.	x	JOB 1: R4239	
	(318) 323-6900	This field note description is to accompany a plat evenly dated. Nodification in any way of the foregoing description terminates liability			
a the	FAX (318) 362-0064	of Surveyor.	REV.	DATE	BY

Received by OCD: 4/23/2025 9:34:56 AM

18504





SHEET 1 OF 2

NM-LE-0009.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

The centerline of a proposed 30 foot wide permanent swd line easement, being 1.13 acre of land. Said easement being located in Section 30, Township 17 South, Range 36 East, New Mexico Principal Meridian, Lea County, New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 4 inch iron pipe fence corner found for the Northwest corner of said Section 30 bears N 00°34'00" W a distance of 210.70 feet.

(NW/4 OF THE NW/4)

THENCE crossing the Northwest quarter of the Northwest quarter of said Section 30 the following courses and distances:

S 27°41'35" E a distance of 784.87 feet, S 41°14'25" E a distance of 172.23 feet, S 48°45'35" W a distance of 437.77 feet to the South line of the Northwest quarter of the Northwest quarter of said Section 30.

The length of the herein described permanent swd line easement crossing the said Northwest quarter of the Northwest quarter of Section 30 being 1,394.87 feet (84.54 rods), containing 0.96 acre of land.

(SW/4 OF THE NW/4)

S 48°45'35" W a distance of 31.35 feet, S 14°04'33" E a distance of 65.73 feet, S 45°37'51" W a distance of 53.18 feet, N 70°10'32" W a distance of 97.39 feet to the *POINT OF TERMINATION*, from which a 1/2 inch iron rod with yellow cap found for the West quarter corner of said Section 30 bears S 00°34'00" E a distance of 1,239.02 feet.

The length of the herein described permanent swd line easement crossing the said Southwest quarter of the Northwest quarter of said Section 30 being 247.65 feet (15.01 rods), containing 0.17 acre of land.

The total length of the above described permanent easement of said Section 30 being 1,642.52 feet (99.55 rods), containing 1.13 acres of land.

The edges of the easement are parallel with the centerline of the easement until reaching the boundaries of the subject tract of land, unless otherwise shown.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944°.)

Title information furnished by BTA Oil Producers, LLC.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

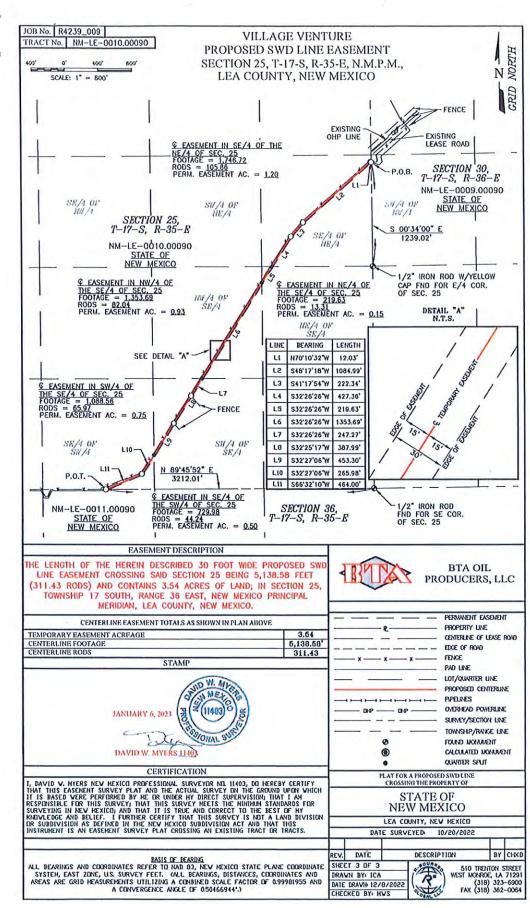
STATE OF NEW MEXICO COUNTY OF LEA

Received by OCD: 4/23/2025 9:34:56 AM

I, David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement I bavia w, hyers, New Mexico Protessional Surveyor No. 1140a to hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision: that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an easement survey plat crossing an existing tract or tracts.



(A)	510 TRENTON ST. WEST WONROE, LA 71291			JOB : R4239_00		
Rich	(318) 323-6900 FAX (318) 362-0064	of Supresor	ocv	DATE	BY	



3 00 So

NM-LE-0010.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

The centerlino of a proposed 30 foot wide permanent swd line easement, being 3.54 acres of land. Said easement being located in Section 25, Township 17 South, Range 35 East, New Mexico Principal Meridian, Lea County, New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 1/2 inch iron rod with a yellow cap found for the East quarter corner of said Section 25 bears \$ 00°34'00° E a distance of 1,239.02 feet.

(SE/4 OF THE NE/4) THENCE crossing the Southeast quarter of the Northeast quarter of said Section 25 the following courses and distances:

N 70°10'32' W a distance of 12.03 feet, S 48°17'18' W a distance of 1,084.99 feet, S 41°17'54' W a distance of 222.34 feet, S 32°26'26 W a distance of 427.36 feet to the South line of said Southeast quarter of the Northeast quarter of Section 25.

The length of the herein described permanent swd line easement crossing the said Southeast quarter of the Northeast quarter of Section 25 being 1,746.72 feet (105.86 rods), containing 1.20 acres of land.

(NE/4 OF THE SE/4) THENCE crossing the Northeast quarter of Southeast quarter of said Section 25 the following courses and distances:

S 32°26'26" W a distance of 219.63 feet to the West line of said Northeast quarter of the Southeast quarter of Section 25.

The length of the herein described permanent swd line easement crossing the said Northeast quarter of the Southeast quarter of Section 25 being 219.63 feet (13.31 rods), containing 0.15 acre of land.

(NW/4 OF THE SE/4)

THENCE crossing the Northwest quarter of Southeast quarter of said Section 25 the following courses and distances: S 32*26'26" W a distance of 1,353.69 feet to the South line of said Northwest quarter of the Southeast quarter of Section 25.

The length of the herein described permanent swd line easement crossing the said Northwest quarter of the Southeast quarter of Section 25 heing 1,353.69 feet (82.04 rods), containing 0.03 acre of land.

(SW/4 OF THE SE/4)

THENCE crossing the Southwest quarter of Southeast quarter of said Section 25 the following courses and distances:

S 32*26'26' W a distance of 247.27 feet, S 32*25'17* W a distance of 387.99 feet, S 32*27'06* W a distance of 453.30 feet to the West line of said Southwest quarter of the Southeast quarter of Section 25.

The length of the herein described permanent swd line easement crossing the said Southeast quarter of the Southeast quarter of Section 25 being 1,088.56 feet (65.07 rods), containing 0.75 acre of land.

(SE/4 OF THE SW/4) THENCE crossing the Southeast quarter of Southwest quarter of said Section 25 the following courses and distances:

S 32*27'06* W a distance of 265.98 feet, S 66*32'10* W a distance of 464.00 feet to the POINT OF TERMINATION from which a 1/2 inch iron rod found for the Southeast corner of said section 25 bears N 89*45'52* E a distance of 3,212.01 feet.

The length of the herein described permanent swd line easement crossing the said Southeast quarter of the Southwest quarter of Section 25 being 720.98 feet (44.24 reds), containing 0.50 acre of land.

The total length of the above described permanent easement of said Section 25 being 5,138.58 feet (311.43 rods), containing 3.54 acre of land.

The edges of the easement are parallel with the centerline of the easement until reaching the boundaries of the subject tract of land, unless otherwise shown.



WEST WONROE, LA 71291	This field note description is to accompany a plat evenly dated.	JOB #: 4239_		009
(318) 323-6900	This field note description is to accompany a plot evenly dated. Modification in any way of the foregoing description terminates liability			
FAX (318) 362-0064	of Surveyor.	REV.	DATE	BY

SHEET 2 OF 3

NM-LE-0010.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

All bearings and coordinates refer to NAD 83, New Mexico Stato Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944*.)

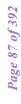
Title information furnished by BTA Oil Producers, LLC.

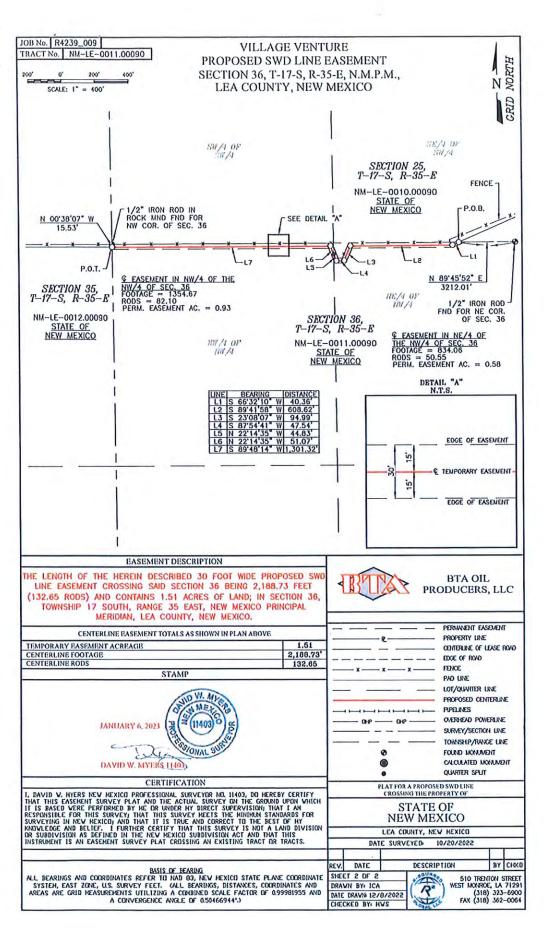
Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

STATE OF NEW MEXICO COUNTY OF LEA I, David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision: that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico and that it is true and correct to the best of my knowledge and helief. Turther certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an easement survey plat crossing an existing tract or tracts.



	ENTON ST. This field note description is to accompany a plat evenly dated.		1: 4239_0	009
(R) WEST DONADE, (318)	323-6900 Modification in any way of the foregoing description terminates liability			
FAX (318)	362-0064 OF SUNCYOF.	REV.	DATE	BY





R. 40581 XHIBIT A 10 OF 13 EXHIBIT "A"

SHEET 1 OF 2

NM-LE-0011.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

The centerline of a proposed 30 foot wide permanent swd line easement, heing 1.51 acres of land. Said easement being located in Section 36, Township 17 South, Range 35 East, New Mexico Principal Meridian, Lea County; New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 1/2 inch iron rod found for the Northeast corner of said Section 36 bears N 89°45'52" E a distance of 3.212.01 feet.

(NE/4 OF THE NW/4)

THENCE crossing the Northeast quarter of the Northwest quarter of said Section 36 the following courses and distances:

S 66°32'10" W a distance of 40.36 feet, S 89°41'58" W a distance of 608.62 feet, S 23°08'07" W a distance of 94.90 feet, S 87°54'41" W a distance of 47.54 feet, N 22°14'35" W a distance of 44.83 feet to the West line of said Northeast quarter of the Northwest quarter of said Section 36.

The length of the herein described permanent swd line easement crossing the said Northeast quarter of the Southeast quarter of Section 24 being 836.34 feet (50.69 rods), containing 0.58 acre of land.

(NW/4 OF THE NW/4)

THENCE crossing the Northwest quarter of Northwest quarter of said Section 36 the following courses and distances:

N 22°14'35" W a distance of 51.07 feet, S 89°48'14" W a distance of 1,301.32 feet to the *POINT OF TERMINATION*, from which a 1/2 inch iron rod in rock mound found for the Northwest corner of said section 36 bears N 00°38'07" W a distance of 15.53 feet.

The length of the herein described permanent swd line easement crossing the said Northwest quarter of the Northwest quarter of Section 36 being 1,352.39 feet (81.96 rods), containing 0.93 acre of land.

The total length of the above described permanent easement of said Section 36 being 2,188.73 feet (132.65 rods), containing 1.51 acre of land.

The edges of the casement are parallel with the centerline of the casement until reaching the boundaries of the subject tract of land, unless otherwise shown.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944°.)

Title information furnished by BTA Oil Producers, LLC.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

STATE OF NEW MEXICO

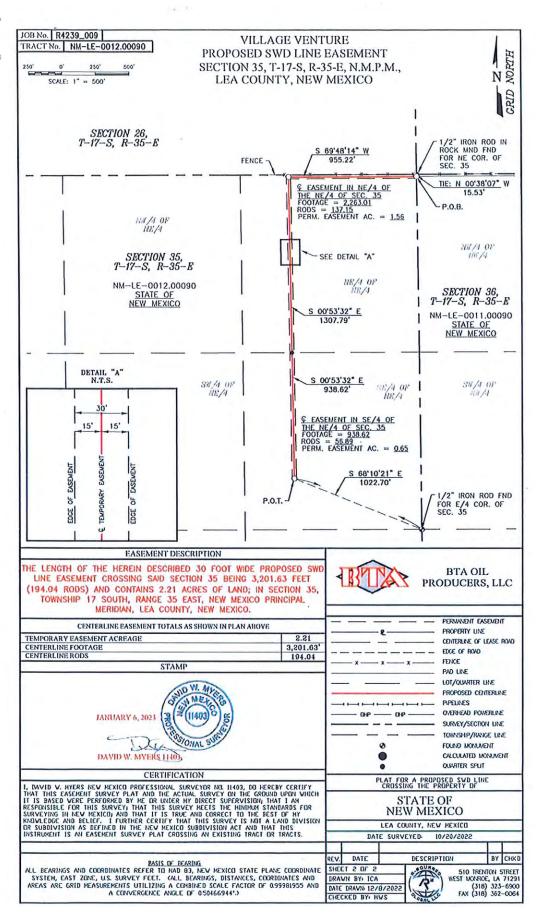
COUNTY OF LEA I, David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I fluther certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act out that this intervent is on accement unrepumble response on accelent event on the survey of the this intervent is not accement. and that this instrument is an easement survey plat crossing an existing tract or tracts.



-	510 TRENTON ST. WEST MONROE, LA 71291			JOB #: R4239-00	
R	(318) 323-6900 FAX (318) 362-0064	Modification in any way of the foregoing description terminates liability	REV.	DATE	BY

Released to Imaging: 5/1/2025 11:46:21 AM

Page 88 of 392



R - 40581 EXHIBIT A 12 OF 13

Page 89 of 392

EXHIBIT "A"

NM-LE-0012.00090 LEA COUNTY, NEW MEXICO BTA OIL PRODUCERS, LLC VILLAGE VENTURE PROPOSED SWD LINE EASEMENT

FIELD NOTES DESCRIBING

SHEET 1 OF 2

The centerline of a proposed 30 foot wide permanent swd line easement, being 2.21 acres of land. Said easement being located in Section 35, Township 17 South, Range 35 East, New Mexico Principal Meridian, Lea County, New Mexico.

Being more particularly described as lying 15 feet on each side of the following described centerline (see Detail "A" on sheet 2 of 2):

BEGINNING at a point from which a 1/2 inch iron rod in a rock mound found for the Northeast corner of said Section 35 bears N 00°38'07" W a distance of 15.53 feet.

(NE/4 OF THE NE/4)

THENCE crossing the Northeast quarter of the Northeast quarter of said Section 35 the following courses and distances:

S 89°48'14" W a distance of 955.22 feet, S 00°53'32" E a distance of 1,307.79 feet to the South line of said Northeast quarter of the Northeast quarter of Section 35.

The length of the herein described permanent swd line easement crossing the said Northeast quarter of the Northeast quarter of Section 35 being 2,263.01 feet (137.15 rods), containing 1.56 acre of land.

(SE/4 OF THE NE/4)

THENCE crossing the Southeast quarter of the Northeast quarter of said Section 35 the following course and distance:

S 00°53'32" E a distance of 938.62 feet to the POINT OF TERMINATION, from which a 1/2 inch iron rod found for the East quarter corner of said Section 35 bears S 68°10'21" E a distance of 1,022.70 feet.

The length of the herein described permanent swd line easement crossing the said Southeast quarter of the Northeast quarter of Section 35 being 938.62 feet (56.89 rods), containing 0.65 acre of land.

The total length of the above described permanent easement of said Section 35 being 3,201.63 feet (194.04 rods), containing 2.21 acre of land.

The edges of the easement are parallel with the centerline of the easement until reaching the boundaries of the subject tract of land, unless otherwise shown.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings, distances, coordinates and areas are grid measurements utilizing a combined scale factor of 0.99981955 and a convergence angle of 0.50466944°.)

Title information furnished by BTA Oil Producers, LLC.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

STATE OF NEW MEXICO

COUNTY OF LEA I, David W. Myers, New Mexico Professional Surveyor No. 11403 do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an easement survey plat crossing an existing tract or tracts.



R	510 TRENTON ST. WEST MONROE, LA 71291 (314) 101-cond Modification in any way of the faregoing description terminates	This field note description is to accompany a plat evenly dated.	JÓB	JOB #: 4239_009	
a state	(318) 323-6900 FAX (318) 362-0064	of Supremor	REV.	DATE	BY

Exhibit B

New Mexico State Land Office Best Management Practices for Surface Users

1. Design. To ensure public safety and the protection of trust resources, projects should be designed to minimize new surface disturbance and should be in compliance with New Mexico State Land Office (NMSLO) best management practices for surface users. The Commissioner of Public Lands may review design plans, and may determine whether professional engineering design or construction oversight is necessary. The Commissioner may waive or include any additional specific best management practices as necessary in the best interest of the trust.

a. Design.

i. No new surface disturbance will be permitted in riparian areas, wetlands, playas or floodplains. There will be a 150-foot setback from the outer wet edges (normal high water mark) of wetlands and playas, and a 50-foot setback from the 100-year flood stage of the floodplain associated with riparian areas. Boring under water features may be allowed if designs are approved.

ii. All efforts shall be made to minimize new surface disturbance: new construction shall be located in preexisting disturbed areas, including existing roadbeds, rights-of-way, or in pre-existing or dedicated development areas and corridors.

iii. No new surface disturbance will be permitted within 50-feet of the normal high water mark of ephemeral drainages, floodways, arroyos or other short duration flow channels, except when crossing these channels and drainages. Drainage crossings will be perpendicular to flow, and will be built to accommodate flood events and to control erosion.

iv. Design plans shall:

1. Include a eadastral survey;

2. Minimize new surface disturbance by locating in pre-existing disturbance areas, or designated development areas or corridors, and designing for minimum necessary area of impact according to expected purpose and use;

3. Avoid wetlands, known critical habitat and protected areas;

4. Avoid steep slopes (>12%); grades from 4-10% are preferred for managing drainage; roads and rights-ofway are best placed at the toe of slopes where cross slope is between 5% and 40%;

5. Preserve as much natural vegetation and living root structure as possible. Use blading only where not to do so would create an unsafe work environment. Mow, or cut and shred vegetation, rather than blading whenever possible. Grubbing is less destructive than blading, and may be used as an alternative where mowing is not possible; in mowing or grubbing, if mesquite or other colonizing non-desirable vegetation is involved, include an herbicide treatment to inhibit spread that may be caused by mowing or

Dage 92 of 392

grubbing;

- 6. Avoid alteration of natural drainage patterns;
- 7. Provide adequate surface drainage; as grade steepens drainage features, such as water bars, must be closer together; drainage features on fine grained soils should be closer together;
- 8. Reduce impervious surfaces by limiting area of impact;
- 9. Account for specific site topography, soil type, drainage and hydrology, i.e. fit construction to the natural terrain by conforming to the ground, rolling the grade, minimizing cuts and fills, and managing for erosion; medium to coarse textured soils (sand-sized particles and larger) are best suited to low-standard rural roads;
- Account for cultural resources at least in accordance with minimum standards set forth in NMSLO policy;
- 11. Account for biological resources at least in accordance with minimum standards set forth in NMSLO Policy;
- 12. Include a spill containment and prevention plan where hazardous materials are involved, including requirements for berms and lining where necessary;
- 13. Include a storm water pollution and prevention plan where hazardous materials are involved and the site falls within a 100year flood plain of any major drainage;
- Include an erosion control plan for drainage crossings, head-cuts, gullies and rills, including soil stabilization structures, ditches, water-bars, and the size and location of culverts and bridges;
- 15. Include a reclamation plan detailing the removal of improvements, soil stabilization and the re-vegetation process;
- 16. Include an access control plan;
- 17. Use only native weed-free certified seed for reclamation;
- 18. Use only certified freshwater (<140 ppm chloride, certified safe drinking water) for reclamation;
- 19. Use local materials where possible;
- 20. Include a noxious weed prevention plan;
- 21. Include a dust abatement plan;
- 22. Address clearing, grading, and cut and fill processes;
- 23. Address crown, inslope, outslope and shoulder design (roads);
- 24. Address trenching and boring design, including depth, casing, core sampling, valve location and access management (pipelines);
- 25. Include professional engineer plans and specifications for bores, bridges, or other major construction elements that present a potential hazard to the public or environment;
- 26. Address span and pole design (powerlines);
- 27. Define use, location and size of temporary work space, temporary storage and turnouts;
- 28. Address logistics of construction;
- 29. Address all pertinent state and federal regulations.

Page 93 of 392

- 2. Construction. Construction involves all aspects of implementation of the design.
 - a. Construction Practices: During construction the lessee shall:
 - i. Control access to the construction site;
 - ii. Control unauthorized use of space adjacent to permitted rights-of-way, easements and lease use areas;
 - iii. Maintain temporary erosion control structures, such as silt fencing to prevent sediment flow during construction;
 - iv. Implement dust abatement plan and use only certified freshwater (<140 ppm chloride, certified safe drinking water) on areas that will be revegetated;
 - v. When requested by the Commissioner, engage a compliance inspection officer to monitor quality control and compliance with NMSLO best management practices;
 - vi. Sample, test and monitor to ensure construction materials meet design specifications;
 - vii. Dispose of unsuitable or excess construction or excavation material in approved locations to minimize adverse impacts to water quality or other resources; construction waste and debris will not be buried on state trust land without express permission from the Commissioner
- 3. Maintenance. Roads should be maintained routinely during active use and after major storm events to ensure that road surfaces are intact and serviceable and drainage structures are functioning properly. Pipeline, transmission line and other exclusive rights-of-way should be monitored routinely and maintained when necessary to ensure that public access is closed, drainage is functioning properly, and that reclamation efforts are successful. Operational equipment, work spaces, facilities, and structures shall be maintained routinely during use to function properly and to minimize adverse impacts to the public or the environment. Reclaimed areas, including temporary work spaces, yards, pads, pits, roads, pipelines, transmission lines or other lease areas, should be monitored for at least two years and retreated where necessary to manage erosion, noxious weeds and seeding success. Lessees sharing a right-of-way will be held jointly and severally responsible for maintenance of the right-of-way. The NMSLO encourages holders of shared rights-of-way to develop maintenance agreements.
 - a. Maintenance Practices: At all times, lessees must stay within the length and width of the permitted right-of-way. If maintenance requires work outside the boundaries of the right-of-way, the lessee must seek an amendment to the right-of-way or a right-of-entry for reclamation or maintenance:
 - i. Grade and shape roadway surfaces to maintain distinct inslope, outslope or crown shape to move water effectively off the road surface;

Released to Imaging: 5/1/2025 11:46:21 AM

ii. Compact graded roadway surfaces to preserve hard driving surface;

Received by OCD: 4/23/2025 9:34:56 AM

Version.7.1.19

- iii. Fill ruts and potholes with gravel or compacted fill or remove ruts through rolling dips and water bars; reshape structures to maintain proper function;
- iv. Clean ditches and reshape when necessary to allow adequate flow capacity;
- v. Remove debris from the entrance of culverts to prevent plugging and overtopping; check for signs of damagc;
- vi. Replace or repair rock armor, erosion control structures, or vegetation used for slope protection, scour protection or energy dissipation;
- vii. Inspect and repair fencing, gates, cattle-guards and other access control structures;
- viii. Inspect facilities, structures, equipment and operations for leaks, hazardous material releases, hazardous conditions, and proper functioning condition;
 - ix. Inspect reclamation, revegetation and noxious weed treatments and retreat as necessary to maintain proper functioning of erosion control and establishment of native vegetation.
- 4. Reclamation. See Attachment A for Sample NMSLO Surface Reclamation Plan.
 - a. **Reclamation Objectives:** To reduce and prevent erosion, remove contaminants and contaminated materials, restore clean soils, restore native plant diversity and abundance, restore and maintain hydrological regime, and restore and maintain productive habitat for livestock and wildlife;
 - b. Applicability: These Reclamation Requirements are applicable to all reclamation activities on state trust lands including: hazardous materials spills/releases, site closure for oil and gas, mineral and business leases, plug and abandon site reclamation, mine site reclamation, pit, pad, or pond reclamation, illegal dump reclamation, road and pipeline reclamation, dairy farm or other agricultural impact reclamation, and any other clean up or reclamation activity on state trust land;
 - c. Access: If the spill/release or reclamation project extends beyond the lease boundary or permitted right of way, the responsible party shall contact the NMSLO Rights Of Way Division and obtain a remediation right-of-entry;
 - d. **Compliance:** Before commencing any new ground disturbing activity, the responsible party shall:
 - i. Conduct an archaeological survey of the impacted area, or verify that the arca has already been surveyed and that no cultural properties will be impacted by ground disturbing activities;

- ii. Immediately stop all ground disturbing activities and contact NMSLO for further direction, if cultural properties have been impacted by a spill/release or reclamation project;
 - iii. Verify compliance with NMSLO biological and cultural resource policies for the area to be reclaimed; conduct surveys where necessary;
 - iv. Verify compliance with all state and federal regulations, including but not limited to storm water pollution and prevention, air quality control, and hazardous materials disposal;

e. Hazardous Material Spill/Releases:

- i. Oil and Gas Activity:
 - Upon discovery of any oil and gas related hazardous material spill or release, either current or historic, the responsible party shall:
 - o immediately notify OCD and NMSLO;
 - o File C-141 form with OCD;
- ii. Other Spill/Releases:
 - Upon discovery of any non-oil and gas related hazardous material release, including mine waste, either current or historic, the responsible party shall:
 - o immediately notify NMED and NMSLO;
- f. Delincation: Upon discovery of contaminated soils, the responsible party shall delineate the horizontal and vertical extent of the contamination; submit a delineation plan for approval by the NMSLO; for oil and gas related contamination, the NMOCD must also approve the delineation plan; the NMSLO may review NMOCD approved plans for adequacy of sampling related to restoration of surface conditions; for non-oil and gas related contamination, the NMSLO may require delineation and monitoring related to surface and ground water impacts; the NMSLO may require any necessary sampling or reclamation related to the restoration of surface conditions;
- g. Reclamation Plan: A reclamation plan shall be submitted with all lease applications involving surface disturbance. In the event of a spill or hazardous materials release, the responsible party shall submit a reclamation plan for approval by the NMSLO within 30 days of completion of delineation. In all other situations, the responsible party must submit a reclamation plan to the NMSLO within 30 days of receiving a notice to reclaim. The reclamation plan shall address each of the matters cited below; these best management practices shall constitute minimum requirements for reclamation plans submitted under the following rules: leasing for general mining 19.2.2.24, leases and permits for caliche, gypsum, clay, sand, gravel, stone, shale, perlite, volcanic deposits and borrow dirt 19.2.5.9(B); unless otherwise permitted by the NMSLO, the reclamation plan and all earthworks required for reclamation must be approved and completed within 6

Released to Imaging: 5/1/2025 11:46:21 AM

Page 95 of 392

Page 96 of 392

months of completion of construction for any right of way lease, or improvement under an agricultural lease, or within 6 months of closure or final use of any business lease, mineral lease, or oil and gas lease;

- h. Removal/Containment: The responsible party will remove and replace any contaminated soils, including contaminated caliche or base course. Contaminated soils and caliche shall be disposed of only in state permitted disposal locations such as land farms or hazardous disposal sites, and in accordance with state and federal regulations. Contaminated soils shall be removed at least to the rooting zone. Removal shall be based on site delineation, but in areas of deep saturation and deep soils this depth is typically four feet; removal depth may be less in shallow soils. If any contaminated soil remains at the site the reclamation plan must address containment, including the potential for the contaminant to wick upward into the rooting zone or downward toward groundwater. If complete removal is impossible, the responsible party may apply to the NMSLO for a variance to stabilize and contain the hazardous material that cannot be removed. If the NMSLO agrees, a stabilization and containment plan may replace or supplement the removal and replacement plan. In addition to the removal of contaminated soils, the responsible party will remove all uncontaminated caliche or base course.
- i. Soil Replacement: The responsible party will replace contaminated soils, caliche or base course, and uncontaminated caliche or base course, with certified clean top soil; replacement soils should have comparable structure and chemistry to healthy, native undisturbed soils in the vicinity.
- j. Trash and Debris: Unless equipment is to be re-used onsite, the responsible party shall remove any trash, debris, garbage, rubbish, junk, scrap, or broken or contaminated equipment, such as pipelines, plastic lining, surface flowlines, tanks, scrap materials of any kind, or other equipment and shall dispose of all such trash and debris in accordance with state and federal regulations within 30 days of final use or completion of construction; no hazardous substances, trash or litter will be buried or placed in pits on state trust land without express written permission of the Commissioner.
- k. Surface Preparation: The responsible party will contour the ground surface to blend in with the surrounding topography to allow the natural hydrology of the basin to function without impediment or impact; no major depressions or pits will be left that will trap water or cause ponding except where the project involves a mining pit where there is no possible outlet, slopes will not exceed 3:1 (run to rise).
- 1. Erosion Control: Where active transportation of sediment through gullying, headcutting, slumping or deep or excessive rills (greater than 3 inches deep)

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

occurs within the lease area or within the adjacent area of impact, the responsible party will install erosion control structures to repair and control gullies, head-cuts, rills, and other forms of sediment movement;

- i. Erosion control structures shall be designed to restore natural hydrological function and flood regime, and to the extent possible should use local rock or bio-degradable materials and low-energy, minimum-necessary designs;
- ii. Erosion control structures may include, but are not limited to, one rock dams, rock mulch rundowns, zuni bowls, media lunas, swales, berms, terraces, wattles, rock or log mats, hay mulch, gabions, bales or other stabilizing enhancements to control erosion;
- m. Drainage Control: Where ephemeral, intermittent or permanent water flow-ways or drainages cross, intersect or bisect a lease, the responsible party shall install drainage control structures to manage water flow, especially across roads, pipeline rights of way, or other structures that may interfere with natural drainage;
 - i. Drainage control structures shall be designed to mimic natural hydrological function and flood regime as much as possible so as not to increase the erosional impact of hydrologic flows to the structure or to the upstream or downstream landscape; drainage control designs shall be engineered or built in consultation with the NRCS and approved by the NMSLO;
 - ii. Drainage control structures may include but are not limited to road bars, culverts, water bars, parallel and lateral ditches, drains, and low water crossings;
- n. Seedbed Preparation: All disturbed soils within the lease area will be revegetated. The responsible party will prepare the seedbed in consultation with the NMSLO to maximize potential for success. This may include, but is not limited to, a combination of watering with certified fresh water (<140 ppm chloride), mechanical packing to consolidate loose soils, disking or ripping to loosen compacted soils (up to 18 inch depth with furrow spacing of 2 feet), crimping hay mulch into the soil (2 tons/acre), furrowing or imprint rolling to create microhabitats, scarifying (minimum 4 inch depth), adding soil amendments, contouring and/or importing top soil. Note: Caliche is not top soil and should not be mixed or flipped into the top soil.</p>
- o. Revegetation: The responsible party will seed the prepared seedbed with a drill seeder or hydraulic seeder with different sized seed boxes; unless otherwise authorized by the NMSLO, hydro-seeding will be used on 3:1 slopes or greater; all disturbed areas will be seeded with the seed mixture(s) provided or approved by the NMSLO; the seed mixture will be planted in the amounts specified in pounds of pure live seed per acre; the seed will contain no primary or secondary noxious weeds; commercial seed will be either certified or registered seed; the seed drill will be equipped with a depth regulator, and seed will be planted at the depth prescribed by the NMSLO; the seed mixture will be evenly and uniformly planted over the disturbed area; seed mixes should be provided in bags separating

seed types into size categories, to ensure that the appropriate seed drill box is used for each species; broadcast seeding will only be allowed when no other option is available; where broadcast seeding, the area should be disked with a tandem, double-disk harrow, one day prior to broadcast seeding and the lbs/acre are to be doubled; seeding will be conducted no more than two weeks following completion of final seedbed preparation; seeding should take place at the beginning of the growing season prior to the monsoon season unless otherwise directed; seeding will be repeated until a satisfactory stand is established as determined by the NMSLO; evaluation of growth will not be made before completion of at least one full growing season after seeding; seeding will be repeated until a satisfactory stand is established.

- p. Noxious Weeds. The responsible party will prepare a noxious weed plan in consultation with the NMSLO and noxious weeds will be monitored and treated on an annual basis until controlled.
- q. Access Control. Unless otherwise authorized by the NMSLO, the responsible party will close all reclamation areas to public access; private access points will be gated, fenced and signed; unauthorized or trespass access points will be permanently closed and signed;
 - i. Gate and Fencing Specifications: Unless otherwise directed by the NMSLO, a locked metal gate with 4-inch H-braces and a permanent fence extending at least 100 feet from either side of the gate, or to the next adjacent gate, will be installed to block public access to all closed reclamation sites; fence will be constructed with steel T-posts on 16-foot spacing, with stays every 8 feet and 4 strands of barbed wire; the top wire should be set at 42 inches above the ground surface; inline braces will be used at intervals not to exceed 660 feet; corners will be braced and set in concrete; fence wire will be attached on the outside of the T-posts with wire ties;
 - ii. Permanent Closure Specifications: Dirt berms, permanent hard barriers or rock barrieades will be installed to block unauthorized access points to reclamation sites; berms and barriers will be at least 3 feet high and will extend the width of the access point; berms will be hard packed; barriers and barrieades may be constructed of metal pipe rail, concrete, or rock and may be used in combination with berm work to ensure closure of an access point;
 - iii. **Signage:** Signs should be noticeably visible and should clearly state that public access is not authorized.
- **r.** Monitoring. The responsible party will monitor the reclamation site annually until relinquished by the NMSLO; prior to relinquishment, the NMSLO may require supplemental clean up, maintenance of erosion control structures, additional reseeding efforts, or noxious weed treatments to ensure success of reclamation; the NMSLO may request detailed annual monitoring reports

d U pa SL or r y r

8

depending on the severity of the situation.

- s. **Reporting.** The NMSLO may require weekly updates during the course of the initial reclamation work; weekly updates will include a brief narrative statement of work completed with photo documentation; upon completion of the initial reclamation work, the responsible party will notify the NMSLO that the site is ready for inspection; annual monitoring reports may be required depending on the severity of the situation.
- t. **Relinquishment:** The NMSLO will inspect the initial reclamation work upon completion and will provide the responsible party with a statement indicating that the initial work has been completed as required and detailing any follow up work that may be necessary prior to relinquishment; notice of relinquishment will be provided upon complete satisfaction of all NMSLO reclamation requirements.

5. Resources.

Reducing Erosion from Unpaved Rural Roads in New Mexico, A Guide to Road Construction and Maintenance Practices; State of New Mexico Natural Resources Department Soil and Water Conservation Division, November 1983.

The Gold Book, Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development; Bureau of Land Management, Fourth Edition— Revised 2007.

New Mexico Forest Practices Guidelines; Energy, Minerals and Natural Resources Department, Forestry Division.

Low-Volume Roads Engineering BMPs; <u>https://www.fs.fed.us/t-</u> d/programs/forest_mgmt/projects/lowvolroads/ch4.pdf

Water Harvesting from Low-Standard Rural Roads; Bill Zeedyk, A Joint Publication of The Quivira Coalition, Zeedyk Ecological Consulting, LLC, The Rio Puerco Management Committee—Watershed Initiative, and the New Mexico Environment Department—Surface Water Quality bureau, April 2006. <u>http://altarvalleyconservation.org/wp-content/uploads/pdf/1597-</u> A Good Road Lies Easy on the Land.pdf

Revegetation Guidelines Handbook for Southeastern New Mexico, New Mexico State Land Office, July 2018.

Released to Imaging: 5/1/2025 11:46:21 AM

6. Authorities.

ROW Rule: (19.2.10 NMAC)

i.

A ROW lessee shall file an affidavit of completion within 60 days of completion. 19.2.10.21 NMAC

ROWs may be used only for authorized uses as granted (e.g. a pipeline or powerline ROW may not be used as a public road). 19.2.10.22 NMAC

The CPL may terminate any ROW for failure to comply with any term or condition of the grant. 19.2.10.26 NMAC

Anyone constructing a ROW, in consultation with the CPL, must take all steps necessary to preserve and protect the natural environmental conditions of the land including reclamation and re-vegetation. 19.2.10.28 NMAC.

Road Rule: (19.2.20 NMAC)

All roads constructed on state trust lands shall be constructed in accordance with the minimum requirements described in 19.2.20.10 NMAC and maintained in accordance with the standards described in 19.2.20.11 NMAC, 19.2.20.9(A) NMAC.

Construction and maintenance of these roads will be done in a manner that insures that authorized traffic remains within the right-of-way and erosion damage is mitigated. 19.2.20.9(C) NMAC.

Road Construction Standards: (19.2.20.10 NMAC)

<u>Width</u>. 14' single lane, 20' double lane, maximum grade 10% without engineered design. 19.2.20.10(A) NMAC.

<u>Drainage</u>. Drainage control shall be ensured through the use of dips, turnouts, and culverts etc. Drainages will be constructed in such frequency necessary to prevent headcuts or other forms of accelerated erosion or damage on adjacent areas. 19.2.20.10(A) NMAC.

<u>Culverts</u>. Culverts shall be used on grades in excess of 10% and all major drainages and on roads when dips are not feasible.

<u>Road Surfacing</u>: Roadbeds should be surfaced where all weather access is needed. Roadbeds should be reasonably smooth, free of ruts, chuckholes, rocks, slides, washboards, dust pockets, soft spots or other driving hazards.

Fencing: 4-strand barbed wire, 12-inch spacing.

Road Maintenance Standards: (19.2.20.11 NMAC)

Lessees shall be responsible for preventative and/or corrective road maintenance, including roadbeds, shoulders, ditches, culverts and drainages, fences, gates and cattle guards, ford and low water crossings. 19.2.20.11 NMAC.

Reclamation: (19.2.20.12 NMAC)

The seedbed will be prepared and the roadbed reseeded. 19.2.20.12 NMAC.

Oil and Gas Rule: (19.2.100 NMAC)

Site Development: All access roads shall be built, maintained and reclaimed in accordance with 19.2.20 NMAC.

Received by OCD: 4/23/2025 9:34:56 AM

,

<u>Review and Inspection</u>: State land office personnel or oil conservation division personnel may, from time to time, recommend actions necessary to comply with reasonable use of the surface and prudent operator standards. (19.2.100.66(D) (1) NMAC).

ATTACHMENT A to EXHIBIT B

SURFACE

BTA Oil Producers, LLC

- 1. **Purpose.** The purpose of this Reclamation Plan is to provide for the restoration of trust land to its original condition existing prior to the placement of any improvements.
- 2. Timing. Unless otherwise permitted by the NMSLO, this reclamation plan and all earthworks required for reclamation must be implemented and completed within six months following closure of all activity or final use under this business lease. Monitoring, maintenance, revegetation and noxious weed treatments may be required to continue until final relinquishment.
- **3.** Interim Reclamation. After initial construction has been completed, all portions of the location not essential to necessary operations or maintenance will be reclaimed within six months of completion of construction and in accordance with the provisions below.
- 4. Structures, Equipment, Trash and Debris. Unless structures or equipment are to be reused on site, any structure, equipment, trash, debris, garbagc, rubbish, junk, scrap, or broken or contaminated equipment, such as pipelines, plastic lining, surface flowlines, tanks, vehicles, scrap materials of any kind, or other equipment must be removed and disposed of in accordance with state and federal regulations within 30 days of final use or completion of construction; no hazardous substances, trash or litter will be buried or placed in pits.
- 5. Delineation. If hazardous materials have been used on site and if such materials may have leaked or spilled or been released on site, or if such materials have caused contamination to the soils, the Lessee will delineate the horizontal and vertical extent of the contamination; a hazardous materials delineation plan must be approved by the NMSLO; for oil and gas related contamination, the NMOCD must also approve the delineation plan; the NMSLO may review NMOCD approved plans for adequacy of sampling related to restoration of surface conditions; for non-oil and gas related contamination, the NMED may require delineation and monitoring related to surface and ground water impacts; the NMSLO may require any necessary sampling or reclamation related to the restoration of surface conditions.
- 6. Hazardous Materials Reclamation Plan. In the event of a spill or hazardous materials release, a specific hazardous materials reclamation plan must be submitted to, and approved by, the NMSLO within 30 days of completion of delineation. The hazardous materials reclamation plan should address each of the matters described below.

Released to Imaging: 5/1/2025 11:46:21 AM

1

- 7. Removal/Containment. The Lessee will remove and replace any contaminated soils, including contaminated caliche or base course. Contaminated soils and caliche should be disposed of only in state permitted disposal locations such as land farms or hazardous disposal sites, and in accordance with state and federal regulations. Contaminated soils should be removed at least to the rooting zone. Removal should be based on site delineation, but in areas of deep saturation and deep soils this depth is typically four feet; removal depth may be less in shallow soils. If any contaminated soil remains at the site the reclamation plan must address containment, including the potential for the contaminant to wick upward into the rooting zone or downward toward groundwater. If complete removal is impossible, the Lessee may apply to the NMSLO for a variance to stabilize and contain the hazardous material that cannot be removed. If the NMSLO agrees, a stabilization and containment plan may replace or supplement the removal and replacement plan. In addition to the removal of contaminated soils, the Lessee will remove all uncontaminated caliche or base course.
- 8. Soil Replacement. The Lessee will replace contaminated soils, caliche or base eourse, and uncontaminated caliche or base course, with certified clean top soil; replacement soils should have comparable structure and chemistry to healthy, native undisturbed soils in the vicinity.
- 9. Trash and Debris: Unless equipment is to be re-used onsite, the Lessee shall remove any trash, debris, garbage, rubbish, junk, scrap, or broken or contaminated equipment, such as pipelines, plastic lining, surface flowlines, tanks, scrap materials of any kind, or other equipment and dispose of such trash and debris in accordance with state and federal regulations within 30 days of final use or completion of construction; no hazardous substances, trash or litter will be buried or placed in pits on state trust land without the express written permission of the Commissioner.
- 10. Surface Preparation. The Lessee will contour the ground surface to blend in with the surrounding topography and to allow the natural hydrology of the basin lo function without impediment or impact; no major depressions or pits will be left that will trap water or cause ponding except where the project involves a mining pit where there is no possible outlet; slopes will not exceed 3:1 (run to rise).
- 11. Erosion Control: Where active transportation of sediment through gullying, head-cutting, slumping or deep or excessive rills (greater than 3 inches deep) occurs within the lease area or within the adjacent area of impact, the Lessee will install erosion control structures to repair and control gullies, head-cuts, rills, and other forms of sediment movement;
 - a. Erosion control structures will be designed to restore natural hydrological function and flood regime, and to the extent possible will use local rock or bio-degradable materials and low-energy, minimum-necessary designs;
 - b. Erosion control structures may include, but are not limited to, one rock darns, rock mulch rundowns, zuni bowls, media hums, swales, berms, terraces, wattles, rock

Page 104 of 392

or log mats, hay mulch, gabions, bales or other stabilizing enhancements to control erosion.

- 12. Drainage Control: Where ephemeral, intermittent or permanent water flow-ways or drainages cross, intersect or bisect the lease area, the Lessee will install drainage control structures to manage water flow, especially across roads, pipeline rights of way, or other built obstacles that may interfere with natural drainage;
 - a. Drainage control structures will be designed to enhance natural hydrologic function and flood regime as much as possible so as not to increase the erosional impact of water flows to any built structures or to the upstream or downstream landscape; drainage control designs will be engineered or built in conformance with industry standards (e.g. the NRCS, BLM or USFS) and approved by the NMSLO;
 - b. Drainage control structures may include but arc not limited to road bars, culverts, water bars, parallel and lateral ditches, drains, and low water crossings.
- 13. Seedbed Preparation. All disturbed soils within the lease area will be revegetated. The Lessee will prepare the seedbed in consultation with the NMSLO to maximize potential for success. This may include, but is not limited to, a combination of watering with certified fresh water (<140 ppm chloride), mechanical packing to consolidate loose soils, disking or ripping to loosen compacted soils (up to 18 inch depth with furrow spacing of 2 feet), crimping hay mulch into the soil (2 tons/acre), furrowing or imprint rolling to create microhabitats, scarifying (minimum 4 inch depth), adding soil amendments, contouring and/or importing top soil. Note: Caliche is not top soil and should not be mixed or flipped into the top soil.
- 14. Revegetation: The Lessee will seed the prepared seedbed with a drill seeder or hydraulic seeder with different sized seed boxes; unless otherwise authorized by the NMSLO, hydro-seeding will be used on 3:1 slopes or greater; all disturbed areas will be seeded with the seed mixture(s) provided or approved by the NMSLO; the seed mixture will be planted in the amounts specified in pounds of pure live seed per acre; the seed will contain no primaty or secondary noxious weeds; commercial seed will be either certified or registered seed; the seed drill will be equipped with a depth regulator, and seed will be planted at the depth prescribed by the NMSLO; the seed mixture will be evenly and uniformly planted over the disturbed area; seed mixes should be provided in bags separating seed types into size categories, to ensure that the appropriate seed drill box is used for cach species; broadcast seeding will only be allowed when no other option is available; where broadcast seeding, the area should be disked with a tandem, double-disk, one day prior to broadcast seeding and the lbs/acre are to be doubled; seeding will be conducted no more than two weeks following completion of final seedbed preparation; seeding should take place at the beginning of the growing season prior to the monsoon season unless otherwise directed; seeding will be repeated until a satisfactory stand is established as determined by the NMSLO; evaluation of growth will not be made before completion of at least one full growing season after seeding; seeding will be repeated until a satisfactory stand is established.

- **15.** Noxious Weeds. The Lessee will prepare a noxious weed plan in consultation with the NMSLO and noxious weeds will be monitored and treated on an annual basis until controlled.
- 16. Access Control. Unless otherwise authorized by the NMSLO, all reclamation areas will be closed to public access; private access points will be gated, fenced and signed; unauthorized or trespass access points will be permanently closed and signed;
 - a. Gate and Fencing Specifications: Unless othelwise directed by the NMSLO, a locked metal gate with 4-inch H-braces and a permanent fence extending at least 1 00 feet from either side of the gate, or to the next adjacent gate, will be installed to block public access to all closed reclamation sites; fence will be constructed with steel T-posts on 16-foot spacing, with stays every 8 feet and 4 strands of barbed wire; the top wire should be set at 42 inches above the ground surface; in-line braces will be used at intervals not to exceed 660 feet; corners will be braced and set in concrete; fence wire will be attached on the outside of the T-posts with wire ties;
 - b. **Permanent Closure Specifications:** Dirt berms, permanent hard barriers or rock barricades will be installed to block unauthorized access points to reclamation sites; berms and barriers will be at least 3 feet high and will extend the width of the access point; berms will be hard packed; barriers and barricades may be constructed of metal pipe rail, concrete, or rock and may be used in combination with berm work to ensure closure of an access point;
 - c. Signage: Signs should be noticeably visible and should clearly state that public access is not authorized.
- 17. Monitoring. The Lessee will monitor the reclamation site annually until relinquished by the NMSLO; prior to relinquishment, the NMSLO may require supplemental clean up, maintenance of erosion control structures, additional reseeding efforts, or noxious weed treatments to ensure success of reclamation; the NMSLO may request detailed annual monitoring reports depending on the severity of the situation.
- 18. Reporting. The NMSLO may require weekly updates during the course of the initial reclamation work; weekly updates will include a brief narrative statement of work completed with photo documentation; upon completion of the initial reclamation work, the Lessee will notify the NMSLO that the site is ready for inspection; annual monitoring repolits may be required depending on the severity of the situation.
- 19. Relinquishment: The NMSLO will inspect the initial reclamation work upon completion and will provide the Lessee with a statement indicating that the initial work has been completed as required and detailing any follow up work that may be necessary prior to relinquishment; notice of relinquishment will be provided upon complete satisfaction of all NMSLO reclamation requirements; business Lessee obligations to remove improvements and to restore trust land shall survive the termination of the lease (NMAC 19.2.9.17(B)).

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM



APPENDIX D

Photographic Log





APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



May 31, 2023

HADLIE GREEN ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 10:50.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: VACU roject Number: 03C20 pject Manager: HADL Fax To:		Reported: 31-May-23 11:56
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01 @ 1'	H232511-01	Soil	18-May-23 09:00	18-May-23 10:50
BH01A @ 3'	H232511-02	Soil	18-May-23 09:05	18-May-23 10:50

05/31/23 - Login mistake was made on the sample IDs. This is the revised report with the corrected sample IDs and will replace the report sent on 05/23/23.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: VACUUM SWD H 35 PIPELINE Project Number: 03C2012054 Project Manager: HADLIE GREEN Fax To:						Reported: 31-May-23 11:56		
				[01 @ 1' 511-01 (So						
				,11 01 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1090		16.0	mg/kg	4	3051932	GM	19-May-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	3051926	JH/	21-May-23	8021B	
Toluene*	0.096		0.050	mg/kg	50	3051926	JH/	21-May-23	8021B	
Ethylbenzene*	0.318		0.050	mg/kg	50	3051926	JH/	21-May-23	8021B	
Total Xylenes*	0.734		0.150	mg/kg	50	3051926	JH/	21-May-23	8021B	
Total BTEX	1.15		0.300	mg/kg	50	3051926	JH/	21-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		125 %	71.5	-134	3051926	JH/	21-May-23	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	<100		100	mg/kg	10	3051906	MS	19-May-23	8015B	
DRO >C10-C28*	11600		100	mg/kg	10	3051906	MS	19-May-23	8015B	
EXT DRO >C28-C36	5180		100	mg/kg	10	3051906	MS	19-May-23	8015B	
Surrogate: 1-Chlorooctane			123 %	48.2	-134	3051906	MS	19-May-23	8015B	
Surrogate: 1-Chlorooctadecane			304 %	49.1	-148	3051906	MS	19-May-23	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project: VACUUM SWD H 35 PIPELINE Project Number: 03C2012054 Project Manager: HADLIE GREEN Fax To:					Reported: 31-May-23 11:56		
				01A @ 3 511-02 (So						
			11252	511-02 (50	, m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6530		16.0	mg/kg	4	3051932	GM	19-May-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								S-04
Benzene*	< 0.100		0.100	mg/kg	100	3051923	JH	22-May-23	8021B	
Toluene*	3.19		0.100	mg/kg	100	3051923	ЛН	22-May-23	8021B	
Ethylbenzene*	9.21		0.100	mg/kg	100	3051923	ЛН	22-May-23	8021B	
Total Xylenes*	15.4		0.300	mg/kg	100	3051923	ЛН	22-May-23	8021B	
Total BTEX	27.8		0.600	mg/kg	100	3051923	ЛН	22-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		144 %	71.5	-134	3051923	JH	22-May-23	8021B	
Petroleum Hydrocarbons by	GC FID									S-04
GRO C6-C10*	378		10.0	mg/kg	1	3051906	MS	19-May-23	8015B	
DRO >C10-C28*	7860		10.0	mg/kg	1	3051906	MS	19-May-23	8015B	
EXT DRO >C28-C36	2060		10.0	mg/kg	1	3051906	MS	19-May-23	8015B	
Surrogate: 1-Chlorooctane			141 %	48.2	-134	3051906	MS	19-May-23	8015B	_
Surrogate: 1-Chlorooctadecane			184 %	49.1	-148	3051906	MS	19-May-23	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLCProject:VACUUM SWD H 35 PIPELINEReported:705 W WADLEY AVE.Project Number:03C201205431-May-23 11:56MIDLAND TX, 79705Project Manager:HADLIE GREEN Fax To:Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3051932 - 1:4 DI Water										
Blank (3051932-BLK1)				Prepared &	Analyzed:	19-May-23	;			
Chloride	ND	16.0	mg/kg							
LCS (3051932-BS1)	Prepared & Analyzed: 19-May-23									
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (3051932-BSD1)	CS Dup (3051932-BSD1) Prepared & Analyzed: 19-May-23									
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



	Project:VACUUM SWD H 35 PIPELINEReported:ect Number:03C201205431-May-23 11:56ct Manager:HADLIE GREENFax To:Fax To:
--	--

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3051923 - Volatiles										
Blank (3051923-BLK1)				Prepared: 1	9-May-23	Analyzed: 2	21-May-23			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			
LCS (3051923-BS1)				Prepared: 1	9-May-23 A	Analyzed: 2	21-May-23			
Benzene	2.11	0.050	mg/kg	2.00		105	81.4-118			
Toluene	2.08	0.050	mg/kg	2.00		104	88.7-121			
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	86.1-120			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	88.2-124			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.9-118			
Total Xylenes	6.44	0.150	mg/kg	6.00		107	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	71.5-134			
LCS Dup (3051923-BSD1)				Prepared: 1	9-May-23 A	Analyzed: 2	21-May-23			
Benzene	2.10	0.050	mg/kg	2.00		105	81.4-118	0.243	15.8	
Toluene	2.13	0.050	mg/kg	2.00		106	88.7-121	2.32	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	86.1-120	0.101	16	
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	88.2-124	0.478	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.9-118	1.38	16.7	
Total Xylenes	6.39	0.150	mg/kg	6.00		107	87.3-122	0.777	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0500		97.2	71.5-134			

Batch 3051926 - Volatiles

Blank (3051926-BLK1)			Prepared: 19-May-23 Analyzed: 21-May-23
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: VACUUM SWD H 35 PIP Project Number: 03C2012054 Project Manager: HADLIE GREEN Fax To:	PELINE Reported: 31-May-23 11:56
--	--	-------------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laborato	ories
----------	----------	-------

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

Batch	3051926 -	Volatiles

Blank (3051926-BLK1)				Prepared: 19-Ma	y-23 Analyzed: 2	21-May-23			
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500	104	71.5-134			
LCS (3051926-BS1)				Prepared: 19-Ma	y-23 Analyzed: 2	21-May-23			
Benzene	2.06	0.050	mg/kg	2.00	103	81.4-118			
Toluene	2.10	0.050	mg/kg	2.00	105	88.7-121			
Ethylbenzene	2.03	0.050	mg/kg	2.00	101	86.1-120			
m,p-Xylene	4.27	0.100	mg/kg	4.00	107	88.2-124			
o-Xylene	2.03	0.050	mg/kg	2.00	101	84.9-118			
Total Xylenes	6.30	0.150	mg/kg	6.00	105	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500	101	71.5-134			
LCS Dup (3051926-BSD1)				Prepared: 19-Ma	y-23 Analyzed: 2	21-May-23			
Benzene	2.18	0.050	mg/kg	2.00	109	81.4-118	5.34	15.8	
Toluene	2.24	0.050	mg/kg	2.00	112	88.7-121	6.29	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00	108	86.1-120	6.49	16	
m,p-Xylene	4.55	0.100	mg/kg	4.00	114	88.2-124	6.30	16.2	
o-Xylene	2.15	0.050	mg/kg	2.00	107	84.9-118	5.72	16.7	
Total Xylenes	6.70	0.150	mg/kg	6.00	112	87.3-122	6.11	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500	101	71.5-134			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: V. Project Number: 0: Project Manager: H Fax To:		Reported: 31-May-23 11:56
--	--	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3051906 - General Prep - Organics										
Blank (3051906-BLK1)				Prepared &	Analyzed:	19-May-2	3			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.7		mg/kg	49.6		82.2	48.2-134			
Surrogate: 1-Chlorooctadecane	44.9		mg/kg	50.0		89.8	49.1-148			
LCS (3051906-BS1)				Prepared &	Analyzed:	19-May-2	3			
GRO C6-C10	171	10.0	mg/kg	200		85.5	78.5-124			
DRO >C10-C28	189	10.0	mg/kg	200		94.7	72.5-126			
Total TPH C6-C28	360	10.0	mg/kg	400		90.1	77.6-123			
Surrogate: 1-Chlorooctane	44.7		mg/kg	49.6		90.1	48.2-134			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.3	49.1-148			
LCS Dup (3051906-BSD1)				Prepared &	Analyzed:	19-May-2	3			
GRO C6-C10	169	10.0	mg/kg	200		84.6	78.5-124	1.05	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	72.5-126	2.59	21	
Total TPH C6-C28	364	10.0	mg/kg	400		90.9	77.6-123	0.879	18.5	
Surrogate: 1-Chlorooctane	45.9		mg/kg	49.6		92.6	48.2-134			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 4/23/2025 9:34:56 AM

10	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Hobbs, NM 882 AX (575) 393-24	,40 ,76					
Company Name:	Encolum 110			BILL TO	1.2.2	ANALYSIS	SIS REQUEST	
Project Manager:	Hadlie Green			P.O. #:				
Address: 601 N.	601 N. Marienfeld St. STE 400	400		Company: BTA				_
ā		State: TX	Zip: 79701	Attn: Kelton Beaird				
	-8895	- 1		Address: 104 S Pecos St	St			_
· · ·	2054	Project Owner:		City: Midland				_
Ime:	Vacuum SWD H 35 Pipelinc	Pipelinc		State: tx Zip: 79701	01	2		
on:	32.793423, -103.422657	22657		Phone #: 432-682-3753	53	a		
Sampler Name: K	Kase Parker			Fax #:		15		
FOR LAB USE ONLY			MATRIX	PRESERV SAM	SAMPLING	4		
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER :	TIME BTEX TRH	Chlaribe		
Ironal	BH01	1	x		CHOO	8		
95-	BH01A	ω	Q 1 69	5/16/23		X		
		/	8					
			/					
				/				
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whethe analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless service is no over the charteral the lable for incodential or consequential damages including without imitation, busis	amages, Cardinal's liability and c lose for negligence and any othe val be liable for incidental or con	ges. Cardinal's liability and client's exclusive remedy for any claim for negligence and any other cause whatsoever shall be deemed w table for incidental or consequental damages. Including without	ny claim arising whether based in contract or tort, shall be limited to the deemed waived unless made in writing and received by Cardinal within a without limitation, business interruptions, loss of use, or loss of profits in a without limitation.	NOL DO BIT	sount paid by the client for the days after completion of the applicable med by client, its subsidiaries.			
Relinquished By:	ed By:	Time; CC	8	All Results	Verbal Result: Verbal Result: Verbal Results are emailed. Ple BJennings@ensolum.com	Verbal Result: Yes Kesults are emailed. Please provide Email address: BJennings@ensolum.com	address:	
Relinquished By:	2	Date: Time:	Received By:	9	TEMP	BIANK:	d'd'	9
Delivered By: (Circle One) Sampler - UPS - Bus - Ot	her:	Observed Temp."	7.51 Uves Ves	ttion CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113	Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	mp. °C



July 03, 2023

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 06/29/23 11:35.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 2.5' (H233362-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	0.073	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	0.155	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	0.396	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	0.623	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	06/29/2023	ND	171	85.3	200	1.93	
DRO >C10-C28*	15500	50.0	06/29/2023	ND	176	88.0	200	4.21	
EXT DRO >C28-C36	4990	50.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	546	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 A 3' (H233362-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.477	0.100	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	7.16	0.100	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	7.60	0.100	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	11.9	0.300	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	27.1	0.600	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	221	100	06/29/2023	ND	171	85.3	200	1.93	
DRO >C10-C28*	3320	100	06/29/2023	ND	176	88.0	200	4.21	
EXT DRO >C28-C36	1070	100	06/29/2023	ND					
Surrogate: 1-Chlorooctane	138	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	195	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 B 4' (H233362-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.61	1.00	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	34.0	1.00	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	55.7	1.00	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	94.8	3.00	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	187	6.00	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2690	100	06/29/2023	ND	171	85.3	200	1.93	
DRO >C10-C28*	19800	100	06/29/2023	ND	176	88.0	200	4.21	
EXT DRO >C28-C36	5510	100	06/29/2023	ND					
Surrogate: 1-Chlorooctane	241	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	603	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 02 4' (H233362-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	0.105	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	0.145	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	0.237	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	0.488	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	171	85.3	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	176	88.0	200	4.21	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 03 0.5' (H233362-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	0.076	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	0.072	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	604	50.0	06/29/2023	ND	156	78.1	200	0.512	QM-07, QR-03
EXT DRO >C28-C36	599	50.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 03 A 2' (H233362-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.26	0.500	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	12.9	0.500	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	38.6	0.500	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	49.7	1.50	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	102	3.00	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1160	100	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	11100	100	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	3070	100	06/29/2023	ND					
Surrogate: 1-Chlorooctane	192	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	390	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 04 4' (H233362-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	16.9	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	29.6	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 05 0.5' (H233362-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	625	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	643	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	148 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	06/29/2023	Sampling Date:	06/28/2023
Reported:	07/03/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 05 A 2' (H233362-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	0.061	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/30/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	775	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	762	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	193	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 4/23/2025 9:34:56 AM		Page 130 of 39.
NACLINIM Mahab Mahab Na	400 3	101 East Marlance (575) 393-2326 Company Name: Ensolum, LLC Project Manager: Hadhie Gy
	Project Ow	ADDIALOLIES aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC
State: TX Zip: TQTQ1 Phone #: Far: Far: PRESERV OTHER: CLECKED BY: CHECKED BY: Chease email changes to celey.keer	Company: BTA 0:1 Attin: Kelton Bealrd Address: 104 Specos St City: Midland	CHAIN
C Michaels B TEX B TEX B TEX TPH B TEX TPH Add1 Phone #: No Add1 Phone #: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. cc No Intact Observed Temp. cc No Corrected Temp. cc		-OF-CUSTODY AND ANALYSIS REQUEST



July 10, 2023

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 07/05/23 16:40.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 C 6' (H233429-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	07/07/2023	ND	1.87	93.3	2.00	1.95	
Toluene*	3.90	0.500	07/07/2023	ND	1.98	99.1	2.00	3.34	
Ethylbenzene*	20.9	0.500	07/07/2023	ND	2.03	101	2.00	2.99	
Total Xylenes*	46.1	1.50	07/07/2023	ND	5.92	98.7	6.00	2.95	
Total BTEX	70.9	3.00	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	144	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	07/06/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2350	50.0	07/06/2023	ND	235	118	200	10.7	
DRO >C10-C28*	15900	50.0	07/06/2023	ND	214	107	200	13.5	
EXT DRO >C28-C36	3200	50.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	311 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	297	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 D 10' (H233429-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.064	0.050	07/07/2023	ND	1.87	93.3	2.00	1.95	
Toluene*	1.10	0.050	07/07/2023	ND	1.98	99.1	2.00	3.34	
Ethylbenzene*	2.61	0.050	07/07/2023	ND	2.03	101	2.00	2.99	
Total Xylenes*	8.55	0.150	07/07/2023	ND	5.92	98.7	6.00	2.95	
Total BTEX	12.3	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	302	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	07/06/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1200	50.0	07/06/2023	ND	235	118	200	10.7	
DRO >C10-C28*	11900	50.0	07/06/2023	ND	214	107	200	13.5	
EXT DRO >C28-C36	2580	50.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	218	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	251	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 E 14' (H233429-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	2.61	
Toluene*	<0.050	0.050	07/06/2023	ND	1.92	95.9	2.00	1.00	
Ethylbenzene*	0.144	0.050	07/06/2023	ND	2.08	104	2.00	1.06	
Total Xylenes*	0.324	0.150	07/06/2023	ND	6.30	105	6.00	1.58	
Total BTEX	0.468	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	07/06/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.1	10.0	07/06/2023	ND	235	118	200	10.7	
DRO >C10-C28*	728	10.0	07/06/2023	ND	214	107	200	13.5	
EXT DRO >C28-C36	201	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	131	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	163	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH 01 G 18' (H233429-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	2.61	
Toluene*	0.171	0.050	07/06/2023	ND	1.92	95.9	2.00	1.00	
Ethylbenzene*	1.01	0.050	07/06/2023	ND	2.08	104	2.00	1.06	
Total Xylenes*	1.89	0.150	07/06/2023	ND	6.30	105	6.00	1.58	
Total BTEX	3.07	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	143	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	07/06/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	75.7	50.0	07/07/2023	ND	235	118	200	10.7	
DRO >C10-C28*	2030	50.0	07/07/2023	ND	214	107	200	13.5	
EXT DRO >C28-C36	629	50.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	142	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	163	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Affilies or successors while out of or re Relinquished By: M. O. M.M. Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Ott	Address: 1001 Mag. 2122 Na City: CAP160ad Phone #: 432-557 - 889 Project Name: V3C 2012054 Project Location: 32 . 70 34 Sampler Name: Mariana For use use only HJ233439 HJ233439 HJ233439 HJ216 S PH016 S PH016 S PH016 S PH016 S PH016 S PH016 S PH016 S PH016 S PH016	1 Company Name: I Project Manager:
Stilletes or successors arising out of or related to the parformance Relinquished By: M. O. M.M. Relinquished By: Delivered By: (Circle One) Delivered By: (Circle One) Campler - UPS - Bus - Other:	Address: (101 mo 3122 Nahona) City: CaFISDad Phone #: 4432 - 557 - 8895 Project #: 0 3C 2012054 Project Mame: V ACUUM SWD H Project Location: 32 - 79 3423 - Sampler Name: M Ariaha O'Dell FOR UAB USE DONLY Sample I.D. Hab I.D. Sample I.D. Hab I.D. Sample I.D. HD333429 PH01C J PH01E J PH01E J PH01F S PH01E S PH01E S PH01E S PH01E S PH01E	01 East Mart (575) 393-23 Ensolum, LLC Hadlif
Date: Date: 152023 Time: 16:40 Date: Date: Corrected Temp. "C3	In the section of diarbs extended with the culture area with the culture area with the culture area with the section of the matrix that the section of the matrix the section of the section of the matrix the section o	and, Hobbs, NM 8 26 FAX (575) 393
and by Cardinal, regardless of whether such claims is bar 12.3 Received By: 12.3 Received By: Received By: Received By: Cool Infact Cool Infact Cool Infact	HWY Per: Ensolution Containers Rev: Containers Rev: C	2476
The Condition CHECKED BY: Intractor Sector S	SLUDGE SLUDGE City: MIdlar State: TX Zip: Phone #: Fax #: Fax #: Fax #: DA ACID/BASE: DA ACID/BASE: DA City: MIdlar DA ACID/BASE: DA DA	P.O.#
All Results are emailed Hadlie Gree Hadlie Gree Hadlie Gree Hadlie Gree Turnaround Time: 5- days Themometer ID #113	A Oil A Oil Beaind S Pecos St Ind SAMPLING SAMPLIN	0
Internationalistics Internat	X TPH	
E D Yes D No Add'I Phone #: emailed. Please provide Email address: Green : In green @ ensolum.com Incident # : NAPP2313058428 reen: Ingretn @ ensolum.com reen: Ingretn @ ensolum.com me: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C	NH ON LIDAI A	ANALYSIS REQUEST
inp. °C		

Page 7 of 7

Page 137 of 392



September 21, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 09/20/23 12:55.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 G @ 25' (H235098-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 H @ 35' (H235098-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 I @ 40' (H235098-03)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 J @ 46' (H235098-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 K @ 49' (H235098-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/21/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 L @ 50' (H235098-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	108	2.00	6.21	
Toluene*	<0.050	0.050	09/20/2023	ND	2.24	112	2.00	7.19	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.39	120	2.00	7.07	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.29	105	6.00	6.22	
Total BTEX	<0.300	0.300	09/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	09/21/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	208	104	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	5.84	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

		:34:56 AM	a the second second			Page 14
Mige Africa Delivered By: (Circle One Sampler - UPS - Bus - Ot	Relinquished By	PLEASE NOTE: Liability and D analyses. All claims including 8 analyses or succession automatic	6-07-CC20-	Hasson	Address: (001 City: Midia Phone #(432 Project #: 03C Project Name: V Project Location:	Company Name: Project Manager:
(Circle One) - Bus - Other:	Bout or of related to the perform	billy and Damages. Cardinal's liability and including those for negligence and any of including those for height or incidential or co	PHOIG PHOIG PHOIG PHOIG PHOIG	Sample I.D.	2)557-88 2)557-88 2012051 Vacuum Nariah	abora 101 East Marland (575) 393-2326 e: Ensolum
Observed Temp. °C	12:00	client's exclusive rem her cause whatsoever neoquental damages	101 01 01 01 01 01 01 01 01 01 01 01 01	e I.D.	Vahienfeld St State: TX 1-8895 Fax #: 2054 Project Owner: 193423, -103. 193423, -103.	aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum , LLC
4/1 Sample Condition	1	sing whether based is contri ived unless made in writing tardon, business interruption		DNTAINERS DUNDWATER GTEWATER	Pipeli H2265	8240 2476
tion CHECKED BY: (Initials)	on any of the above st	act or toot, shall be limited to the amount p and received by Caridhal within 30 days an rs, loss of tuee, or loss of profile incurred by	ОТН	D/BASE: PRESERV	DA Zip: Zip:	BILL TO
Turnaround Tim	Verbal Result: All Results are M green	aid by the client for the fer completion of the appli- client, its subsidiaries,	313:40 14:30 15:40 15:40	niorides	Oil Beaind Pecas St 19701	
p: 	emailed, Pieese provide Email address: Ch SOI Why, Com , MOde II	Cabbe	< X B	TEX		ANALYSIS REQUEST
ND Bacteria (only) : ⊠ Cool Intact □ Yes □ Yes	Add"I Phone #: Email address: COM I MOd					ANALYSIS REC
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	le ll ce ensolum.c					REQUEST



September 26, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 09/20/23 12:55.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 A @ 10' (H235101-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	233	116	200	5.18	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	231	115	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 B @ 18' (H235101-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	233	116	200	5.18	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	231	115	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 C @ 25' (H235101-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	233	116	200	5.18	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	231	115	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 D @ 35' (H235101-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	233	116	200	5.18	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	231	115	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 E @ 40' (H235101-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	221	111	200	4.15	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	226	113	200	0.870	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 02 F @ 50' (H235101-06)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.04	102	2.00	3.23	
Toluene*	<0.050	0.050	09/21/2023	ND	2.16	108	2.00	3.04	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.37	119	2.00	2.93	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.09	102	6.00	2.44	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	221	111	200	4.15	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	226	113	200	0.870	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients excludier remedy for any leam asking whether trade in contract or bot, shall be limited to the service. In no overst shall Cardinal be limited to the performance of any other cause whether whether the deemed waited unless made in whiting and clients is based up on the cause whether whether the deemed waited unless made in whiting and clients is based up on the cause whether whether whether the deemed waited unless made in whiting and received by Cardinal white: Relinquished By: Date: Cardinal's Bable for incidental or consequential damages, including whole inhibition, business information, business and in whiting and received by Cardinal white: Relinquished By: Date: Cardinal's Bable for incidental or consequential damages, including whole inhibition, business of whether such claim is beered up on two or profile is beered up on two or profile is the performance of any other such claim is beered up on any of the advance of the advance of the advance of a state of the advance of t	N. Marienfeld St. Suite Hoo State: TX zip: 19101 2012054 Project Owner: 2012054 Project Owner: 2012054 Project Owner: 32, 193423, -103 422,057 32, 19342,057 35, 1942,057 35, 194	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: ENSOLUM LLC Project Manager: HACILLP, Aven
All remoty for any claim aking whether based in contract or the limited to the annount paid by the client to the applicable MO able remoty for any claim aking whether based in output of the applicable Image: Including whether such claim is based upon any of the above stated reasons or cheweses Image: Including whether such claim is based upon any of the above stated reasons or cheweses is thereunder i. reading whether such claim is based upon any of the above stated reasons or cheweses Image: Im	Althon BCalind SERV SAMPLING SAMP	BILL TO ANALYSIS REQUEST



September 26, 2023

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 09/21/23 9:40.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH06 @ 4' (H235126-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.03	101	2.00	2.23	
Toluene*	<0.050	0.050	09/22/2023	ND	2.09	104	2.00	3.03	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.77	113	6.00	2.91	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH06 A @ 10' (H235126-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.03	101	2.00	2.23	
Toluene*	<0.050	0.050	09/22/2023	ND	2.09	104	2.00	3.03	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.77	113	6.00	2.91	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH06 B @ 18' (H235126-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	2.03	101	2.00	2.23	
Toluene*	<0.050	0.050	09/22/2023	ND	2.09	104	2.00	3.03	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.26	113	2.00	3.18	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.77	113	6.00	2.91	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH06 C @ 20' (H235126-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 A @ 10' (H235126-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 B @ 18' (H235126-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 C @ 25' (H235126-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 D @ 35' (H235126-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 E @ 40' (H235126-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.98	99.1	2.00	0.306	
Toluene*	<0.050	0.050	09/22/2023	ND	2.04	102	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.03	102	2.00	0.317	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.15	102	6.00	0.652	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH04 F @ 50' (H235126-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.98	99.1	2.00	0.306	
Toluene*	<0.050	0.050	09/22/2023	ND	2.04	102	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.03	102	2.00	0.317	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.15	102	6.00	0.652	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	202	101	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	200	99.8	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH07 4' (H235126-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.13	106	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2023	ND	2.23	112	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.46	123	2.00	3.00	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	6.17	103	6.00	2.41	
Total BTEX	<0.300	0.300	09/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	172	86.0	200	1.31	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	192	96.2	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	09/21/2023	Sampling Date:	09/20/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA (32.793423 - 103.422657)		

Sample ID: PH02 G 59' (H235126-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2023	ND	2.13	106	2.00	2.37	
Toluene*	<0.050	0.050	09/23/2023	ND	2.23	112	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/23/2023	ND	2.46	123	2.00	3.00	
Total Xylenes*	<0.150	0.150	09/23/2023	ND	6.17	103	6.00	2.41	
Total BTEX	<0.300	0.300	09/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	172	86.0	200	1.31	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	192	96.2	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Prelinquished By: Pate: Pat	Lab I.D. Sample I.D. Lab I.D. Sample I.D. Lab I.D. Sample I.D. PHOU A PHOU A	- a b o r a t o r i e: 101 East Mariand, Hobbs, NM 88: (575) 393-2326 FAX (575) 393-24 (575) 393-2326 FAX (575) 393-24 (575) 393-2326 FAX (575) 393-24 - 100 L C - 100 L C
Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: MOP CENCE (Place provide Email address: MOP CENCE (PLSO) UPT . COP MOP CENCE (PLSO) UPT . COP REMARKS: MOP CENCE (PLSO) UPT . COP Presults are emailed. Please provide Email address: MOP CENCE (PLSO) UPT . COP REMARKS: MOP CENCE (PLSO) UPT . COP REMARKS: MOP CENCE (PLSO) UPT . COP Present Control (PLSO) UPT . COP MOP CENCE (PLSO) UPT . COP Immomber (PLSO) UPT . COP MOP CENCE (PLSO) UPT . COP Thermometer (PLSO) #140 MOP CENCE (PLSO) UPT . COP Thermometer (PLSO) #140 MOP CENCE (PLSO) UPT . COP Thermometer (PLSO) #140 MOP CENCE (PLSO) UPT . COP Correction Factor 0*C MOP CENCE (PLSO) UPT . COP No No No Corrected Temp. *C No	DATE TIME TIME TIME TIME Chioride	TO ANALYSIS REQUEST

Page 15 of 16

PLEASE NOTE: Lubbly and Damagen. Cardinal's labelity and clamb exclosed analyses. All claims behaving those for medigence and any other cause what analyses. All claims behaving those for medigence and any other cause what analyses or successors analysing and clarify consequential an all the performance of services and Refinquished By: Refinquished By: Refinquished By: Charles of the performance of services T Time: Delivered By: (Circle One) Delivered By: (Circle One) Correses T	120, 19 19 19 19 19 19 19 19 19 19 19 19 19 1	101 East Marland (575) 393-2326 Company Name: Ensolum, LLC Project Manager: H Ad I i C GY
agen. Cardnaffe inbillig and damit scalede i remely for any damit scale whether based in constant or a for megligence and any other cares whetherower shall be deemined whether based in constant or the inbible to incidential or generation of scales and a the willing and its the inbible to incidential or generation of scales and a the willing and its the inbible to incidential or generation of scales and a the willing and its the inbible to incidential or generation of scales and a the willing and its the inbible to incidential or generation of scales and a the willing and its the inbible to incidential or generation of scales and the scale and a the inbible of the performance of scales here even by Cardinal or generation of the scale and the scale and the inbible of the performance of scales here even by Cardinal or generation of the scale and t	D. Depth State: TX zip: TQT01 SH Project Owner: SH Project Owner:	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC : Hadlie Green
that thail be limited in the amount part restrict draft and the first of days after restrict for official within 10 days after anticed upon any of the above shaked re- tracted upon and the above shaked re- tracted upon any of the above shaked	OTUER	BILL TO
Trype clean for the applicable In the applicable	XX BTEX	ANALYSIS REQUEST

Page 171 of 392



September 22, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 09/21/23 14:33.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 01 M 55' (H235136-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	1.94	96.8	2.00	0.667	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	6.41	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.154	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.37	106	6.00	0.783	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/22/2023	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	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Kelinquisned By:	M.	Relinquished By;	analyses. All claims including t service. In no event shall Cardi	PLEASE NOTE: Liable and D							HJ35135	Lab I.D.	-	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 03(Phone #: 432	city: Midlan	Address: (00 1	Project Manager:	Company Name: Ensolum, LLC		
		allen	ng out of or related to the performance	nose for negligence and any off	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's evolution remove for any claims						PHOIM		Sample I.D.			Mariaha	:32 .79342	lacuum S	362012054	12-557-8895	2	N. Mar	Hadlie (: Ensolum, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	
Observed Temp. °C Corrected Temp. °C	Date: Time:	12:33	Date:	er cause whatsoever shall be d	clerits evolution remarks for an		-				55		(feet)	Donth		O'Dell	23 - 103.	SIND H 35	Project Owner:	-	State: TX	Marienfeld St	Green		d, Hobbs, NM 88240 FAX (575) 393-2476	10010
S,0 Sample Condition Cool Intact	Received By:	Manual u	clair,	arsang watering cased in contract waived unless made in writing at fimitation, business informatione							1 ×	# CO GRO WAS SOIL OIL SLUE		RS TER	MATRIX			Pipeline			Zip: 70701				3240 2476	L
CHECKED BY: (Initials))	Walter	ch dain is based upon any of the above stated reasons or otherwise.	ort, shall be limited to the amount p relived by Cardinal within 30 days at							the second	a management	BASE:	5	PRESERV. SA	Fax #:	芽	TX Zip:	= 1	5		company: BTA	P.O. #:	BILL TO		
Turnaround Time: 24 MVS Thermometer ID 4443- ± Correction Factor 8:570	REMARKS:	Call	7	id by the client for the or completion of the applicable							311:25 × ×	TIME	hio TPH		SAMPLING			TULDI	IL NOW	Perco	raind	Di		25 10 10 10 10 10 10 10 10 10 10 10 10 10		
Standard Rush Rush		en SUNM. COM, Advern							-		X	B	TEX								-			Δ		
Bacteria (only) Cool Intact		mail address:																					ANALTON KE	IAI VEIC DE		
Bacteria (only) Sample Condition Cool Infact Observed Temp. °C		ensolum com				1-1-	20															-	REQUEST	DIFET		



Page 175 of 392



September 26, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 09/21/23 14:33.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 07A @ 10' (H235137-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/22/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 07B @ 18' (H235137-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	09/22/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	09/21/2023	Sampling Date:	09/21/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 07C @ 20' (H235137-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2023	ND	1.91	95.6	2.00	2.25	
Toluene*	<0.050	0.050	09/22/2023	ND	2.02	101	2.00	1.84	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.16	108	2.00	2.35	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	5.84	97.3	6.00	0.387	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	09/22/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/21/2023	ND	187	93.5	200	10.2	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	208	104	200	18.3	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

Received	by	OCD:	4/23/2025	9:34:56 AM

Released to Imaging: 5/1/2025 11:46:21 AM

Ampling Glos St PCOS St PCO	Observed Temp. °C Corrected Temp. °C	ol Intact Yes Yes No No		Thermometer ID #140 Correction Factor 0°C	(Initials)	Sample Condition Cool Intact Pres Yes No No No	Observed Temp. °C Corrected Temp. °C	lircle One) Bus - Other:	Delivered By: (Circle One) Sampler - UPS - Bus - Ot	
aboratories abora	mple Condition	Bactoria (only) Sar	Charland	MARKS:		Received By:	i)	a (Relinquished By	
aboratories aboratories alboratories activity and some and the based	solum.com		Please provide Ema	VEENCEN	0	Received By:	223	goul of or related to the period	Relinquished By	
aboratories aboratories and save manand, Hobbs, NM 88240 (Ers) 383-2476 Encolumn, LLC 				 client for the letion of the applicable subsidiaries, subsidiaries, r otherwise. 	, shall be limited to the amount paid by the wed by Cardinal within 30 days after comp use, or loss of profits incurred by client, th yel upon any of the above stated reasons of	claim arising whether based in contract or tort smed waived unless made in writing and recei- thout limitation, business interruptions, loss of seat woorkless of whether such claim is base	and client's exclusive remedy for any y other cause whatsoever shall be dee r consequental damages, including we r consequental damages.	1 Damages. Cardinal's liability g those for negligence and an rdinal be liable for incidental or	PLEASE NOTE: Liability and analyses, All claims includin service. In no event shall Ca	
aboratories aboratories asternational constant state in the interval of the	MO									
aboratories aboratories an East Mariand, Hobbs, NM 88240 (575) 392-2476 BILL TO ANALYSIS REQUEST FARGIUM, LLC PARTICLE PARTICLE N. Mairiential Structure State: TX ZI:: TQTI01 N. Mairiential Structure State: TX ZI:: TQTI01 Mariential Structure State: TX ZI:: TQTI01 Mariential Structure State: TX ZI:: TQTI01 Mariential Structure COLOMP: Colome: Colome: Sample I.D. Sample I.D. Mariential Structure Mariential Structure Mariential Structure Mariential Structure Sample I.D. Sample I.D. Protect coole: Protect coole: Sample I.D. Protect coole: Protect coole: Protect coole: Protect coole: <th co<="" td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	>								
aboratories and cratories Intervention of the second s						¥	10	PEIVIC	0	
aboratories or East Mariand, Hobbs, NM 88240 (675) 393-2226 FAX (675) 393-2476 Ensolum, LLC Fnsolum, LLC Ensolum, LLC State: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Suite Hoo state: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Suite Hoo state: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Suite Hoo state: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Suite Hoo state: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Suite Hoo state: TX Zip: 70101 Attn: Ref TA 0:1 N Marienfeld St. Soil Address: 1045 PECS St. C2012054 Projectioner: Sample I.D. Sample I.D. GG RAB OR (C)OMP. Suborater Soil SLUDGE St. TPH ACID/BASE: V ANPLING St. TPH St. TPH		•	××		0 21231		240	PHOTE		
aboratories or East Mariand, Hobbs, NM 88240 (Brs) 393-2236 FAX (675) 393-2476 FRS (01077) 503-2476 FRS (01077) 102 FAX (675) 393-2476 FRS (01077) 102 FAX (675) 393-2476 FRS (01077) 102 FAX (675) 393-2476 State: TX ZIP: TOTOL Atm: FC (1701 BCalid Address: LOH'S PECOS St CONDAMS: LOH'S PECOS St COLOI 2054 Project Owne: SUDGE OTHER: State: TX ZIP: TOTOL Address: LOH'S PECOS St COLOI 2054 Project Owne: SUDGE OTHER: State: TX ZIP: TOTOL SUDGE OTHER: State: TX ZIP: TOTOL SUDGE OTHER: State: TX ZIP: TOTOL SUDGE OTHER: STATE MATRIX SOIL OIL SUDGE OTHER: STATE TME COLOI des TPH BTEX			×		->		12 12 1	- DHOIN	11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
aboratories of East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlic, Green N. Marienfeld, Gt. Suite Hoo N. Marienfeld, Gt. Suite Hoo State: TX zip: TQT01 Attn: Reliton Bealind Address: L0HS Pecos St C2012054 Project Owner: 32. 193-423, -103. H22057 Mariaha O'Dell Marrix PRESERV SAMPLING C	NAQ		BTE	Chlo	ICE / COOL OTHER :	# CONTAINE GROUNDWA WASTEWAT SOIL OIL SLUDGE OTHER :	X	Sampl	Lab I.D.	
BORATORIES or East Marland, Hobbs, NM 88240 (s75) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlie Green N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo State: TX Zip: 10101 Attn: Reliton Bealrd Address: 10H State Company: BTA 0il N. Marienfeld St. Suite Hoo State: TX Zip: 10101 Attn: Reliton Bealrd Goutomark Colored State: TX Zip: 10101 Attn: Reliton Bealrd Address: 10H Spector State: TX Zip: 101 Address: 10H Spector State: TX Zip: 79701 State: TX Zip: 79701 Phone #: Fax #: Mariana O'Dell Matrix			X	rides	5	ERS ATER ER	CIOMP		FOR DB USE UNLY	
aboratories or East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlie Green N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo State: TX Zip: 19101 Attn: Re/Itbn Beaird Address: 1045 Peclos St C2012054 Project Owner: C2012054 Project Owner					ESERV.	Fax	O'Dell	Mariaha	Sampler Name:	
aboratories or East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlie Green N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo N. Marienfeld St. Suite Hoo State: TX Zip: 707101 Attn: Re/Itbn Bealrd Address: 1045 Peclos St C2012054 Project Owner: C2012054 Project Owner: State: TX Zip: 707101 State: TX Zip: 707101					#		-103.42	Jaz	Project Name. V	
aboratories or East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlic Green N Marienfeld St. Suite Hoo state: TX Zip: TQTO1 Attn: Kelton Bealrd Address: 1045 Pecos St				-	TX Zip:		Project Owne	20120	05	
aboratories of East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC Hadlie Green N. Marienfeld St. Suite 400 N. Marienfeld St. Suite 400 state: TX zip: 70701 Attn: Kelton Bealrd				St	OHSK	Add		55	e# 7	
aboratories of East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, Luc Fadur Green				P	ITAN B	400 A101	St.	5Z	MIN	
aboratories 01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Fricol Lino Lino					#	P.O.	Jrten	20	Project Manager:	
	ST		ANAL				TAN (313) 333-2710	E MCN/11M	Company Name:	
oratories							1, Hobbs, NM 88240	01 East Marland	4	
					1			ŏ		
									1	

Page 181 of 392



October 25, 2023

HADLIE GREEN ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/20/23 8:08.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08 0.5' (H235752-01)

BTEX 8021B	mg/	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08A 2' (H235752-02)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08B 4' (H235752-03)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08C 6' (H235752-04)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08D 10' (H235752-05)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08E 14' (H235752-06)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08F 18' (H235752-07)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08G 20' (H235752-08)

BTEX 8021B	mg/	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08H 25' (H235752-09)

BTEX 8021B	mg/	′kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08I 30' (H235752-10)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08J 35' (H235752-11)

BTEX 8021B	mg/	'kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2023	ND	2.01	100	2.00	1.04	
Toluene*	<0.050	0.050	10/23/2023	ND	2.06	103	2.00	0.800	
Ethylbenzene*	<0.050	0.050	10/23/2023	ND	2.05	103	2.00	0.703	
Total Xylenes*	<0.150	0.150	10/23/2023	ND	6.21	104	6.00	0.126	
Total BTEX	<0.300	0.300	10/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08K 40' (H235752-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.21	111	2.00	0.416	
Toluene*	<0.050	0.050	10/24/2023	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.30	115	2.00	10.1	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.94	116	6.00	10.6	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	227	113	200	0.915	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	199	99.6	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08L 45' (H235752-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.21	111	2.00	0.416	
Toluene*	<0.050	0.050	10/24/2023	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.30	115	2.00	10.1	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.94	116	6.00	10.6	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	202	101	200	3.27	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	206	103	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08M 50' (H235752-14)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.21	111	2.00	0.416	
Toluene*	<0.050	0.050	10/24/2023	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.30	115	2.00	10.1	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.94	116	6.00	10.6	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	202	101	200	3.27	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	206	103	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 08N 52' (H235752-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.21	111	2.00	0.416	
Toluene*	<0.050	0.050	10/24/2023	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.30	115	2.00	10.1	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.94	116	6.00	10.6	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	202	101	200	3.27	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	206	103	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	03C2012054	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 080 55' (H235752-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.21	111	2.00	0.416	
Toluene*	<0.050	0.050	10/24/2023	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.30	115	2.00	10.1	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.94	116	6.00	10.6	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	202	101	200	3.27	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	206	103	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Ob Sampler - UPS - Bus - Other: Co	M. Og Ll Relinquished By:	service. In me event shall Cardonal be liable for negligence and any othe service. In me event shall Cardonal be liable for incidential or con stillates or successions articing out of or related to the performan Refinquished, By:	ability and Damages, Ca		080HB 8	7 DH08F		10	S PHORE	A BOHA &	1 PHO8	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Mariah	Project Location: 37 70 21	1770	432-551-	city: Midland	Address: UO1 N. Mari		101 East Marlanc (575) 393-2326 Company Name: Ensolum, LLC	Labora
sorve I	08	er cause winitoover shall be deemed valved unless m recpuental damages, including without limitation, busine toe of services hereunder by Castinal, regardless of war- toe of the services hereunder by Castinal, regardless of war- ling of the services hereunder by Castinal Regardless of the Date:	client's exclusive remedy for any claim arising whether ba	25 61	20' 61	18 01	1011011	10 01	H. 611	2. 61	P	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER	۸P.	a () nell	UN H JS PIDE	Project Owner:	Fax 弁	te: TX Zip:	Marienfeld St # 401	oreen	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 : Ensolum, LLC	atories
a Temp. "CO I Sample Condition CHECKED BY: Turnaround Time: Cool Intact (Initials) To CAUS Hartes Dres Pres The Corresume Factor and Co	Juquert	de in writing and s interruptions, l ther such claim	X	X	X	X	X	XXX	XXX	X	X	WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: GE / COOL OTHER :	MATRIX PRESERV.	Phone #:		city: Midl	Address:]	701 Attn: KQ.1		P.O. #:	1	
Turnaround Time: St TO A AUS Ru Thermometer ID H13 Correction Factor, ABTC	All Result: D Yes All Results are emailed. P Mg Yeen e REMARKS:	oy me client tor the completion of the applicabl ent, its subsidiaries, sons or otherwise.	10:00 V V	15:55	12:40	1:-	15:35	15:15	15:05		ATH-US X X	Chloric TPH	SAMPLING		* TOLDL	and	S. Pecc	1 Realind	TA OIL	.10		CHAIN-OF-CU
Standard Bacteria (only) Rush Cool Intect He I HO	D Yes □ No Add'I Phone #: alled. Please provide Email address:) CCNS0/UM . C0M , V		*								×	BTEX								ANALYSIS R		CUSTODY AND ANALYSIS REQUEST
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C U Yes Yes	modelle ensolum.com																			REQUEST		VSIS REQUES

Page 19 of 20

Delivered By: (Circle One) Sampler - UPS - Bus - Ot FORM-000 R 3-4 071	PLEASE NOTE: Liability and Damage analyses. All claims including those to service. In no went shall Cardinal cardinal affiliates or successors arising out of to Relinquished By: Relinquished By:	Project Manager: H Address: (101 N City: Mid Jan) Phone #: 432 - 59 Project Name: V 30 Project Location: 30 Sampler Name: V 30 Project Location: 30 Sampler Name: M Project Location: 30 Sampler Name: M Project Location: 30 Sampler Name: V 30 Project Sampler Name: V 30 Project Sampler Name: V 30 Project Name: V 30 Pro	Company Name:
her: Corrected	es. Cardina's liability and client tregisgence and any other cau liable for incidental or conseque resulted to the performance of	Sample I.I DH081 0 DH081 0	aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensplum, LLC
Temp. °C Sample Condition CHECKED BY: Turnaround Time: Standard Ba Temp. °C		Beam Matrix State: TX Fax #: Project Owner: Project Owner: Pipeline P H 35 D EII Pipeline HO GROUNDWATER HO Pipeline	Fi已S NM 88240 5) 393-2476
ndition CHECKED BY: Act (Initials) Lyes Automatical Characteristics	Lased in contract or tort, shall be limited to the amount p ada in writing and received by Candinal within 30 days at as a set interruptions, loss of use, or loss of profits incurred by ether such claim is based upon any of the above stated	SLUDGE OTHER: Address: 1045, Preserv ACID/BASE: ACID/BASE: XXX OTHER: DATT	BILL TO
Turnaround Time: St Thomoneterb #140 Correction Factor 0°C	ad by the client for the ter completion of the applicable codent. Its subsidiaries, reasone or otherweise, Verbail Result:	The Aller of	
Standard 🕅 Bacteria (only) Rush 🗌 Cool Intact Ves Ves No No	Is y the client for the completion of the applicable leant to subsidiaries, seene to therefore seene to therefore seene to therefore werbal Result:		STODY AND ANA
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Ves Yes No No Corrected Temp. °C	hone #: address: , modell@ensolum.com		CHAIN-OF CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

Page 201 of 392

Received by OCD: 4/23/2025 9:34:56 AM



October 26, 2023

HADLIE GREEN ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: VACUUM SWD H 35 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/20/23 16:41.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09 0.5' (H235775-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09A 2' (H235775-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09B 4' (H235775-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09C 6' (H235775-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09D 10' (H235775-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09E 14' (H235775-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09F 18' (H235775-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09G 20' (H235775-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09H 25' (H235775-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/24/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09I 30' (H235775-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09J 35' (H235775-11)

BTEX 8021B	mg	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09K 40' (H235775-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09L 45' (H235775-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09M 50' (H235775-14)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	2.33	
Toluene*	<0.050	0.050	10/25/2023	ND	2.18	109	2.00	3.54	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.15	108	2.00	4.17	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.49	108	6.00	4.04	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 09N 52' (H235775-15)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.02	101	2.00	0.00437	
Toluene*	<0.050	0.050	10/25/2023	ND	1.91	95.5	2.00	0.954	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	1.97	98.3	2.00	1.93	QR-03
Total Xylenes*	<0.150	0.150	10/25/2023	ND	5.91	98.5	6.00	2.52	QR-03
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	112	200	0.883	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	VACUUM SWD H 35 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	03C2012054	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.793423,-103.422657		

Sample ID: PH 090 55' (H235775-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.02	101	2.00	0.00437	
Toluene*	<0.050	0.050	10/25/2023	ND	1.91	95.5	2.00	0.954	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	1.97	98.3	2.00	1.93	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	5.91	98.5	6.00	2.52	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	225	113	200	4.26	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	228	114	200	7.03	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whother this subsidiaries, afflictes or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	(Initials) D (AU)S Rush Correction Factor 45°C	Carolinal analysis (10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Corrected Temp, *C	- Other:	Sampler - UPS - Bus
Temp Blant 3. 1:	REMARKS:	2 Come L D L and	Time:	(Circle One)	Delivered By: (Circ
Please provide Email address: NOI UM . COM , MODULICENSOI UM.COM	Cer	Received By:		MM	Refinquished By:
		valitoral finducios, bucaranas os remang ando secolardados Carelias antónal, respondense of valenter auch claim is based upon mer of Received By:	consequential damages, including v rance of services hereunder by Ca Dates: ////////////////////////////////////	With the particular of the perform	Relinquished By
	of the amount paid by the cleant by the	tipes. Cardinal's tability and clients excitable remoth for any claim arrange whether trand in oxivator for a bielt be limited to the amount pad by the client for the first point or any other analysis whether trand in oxivator for a bielt be limited to the amount pad by the client for the first point or any other analysis whether trand in oxivator for a bielt be limited to the amount pad by the client for the	nd client's exclusive remedy for a other cause whatboever shall be o	PLEASE NOTE: Laboxy and Comages, Cardnal's inbity and analyzes. All claims including floce for negligence and any et service. In no event shall Cardiaci he factor and any et	PLEASE NOTE: Liability and Dama antalyzes. All claims including those service. In no event shall Courded by
	15:10 1 1		271	PHD9 1	M
	15:00		20	PHON D	200
	14:55		18	DHOG E	7
	14:50		111	DHOG E	6
	14:30		10	DHNO D	24
	11:00 A		L	A NOHA	200
	X X X 00: HTI SUMINI		2	PHOMA	2
	O UATE T		0.51	PHOQ	
	THER :	(G)RAB (# CONTA GROUND WASTEW SOIL SUL UDGE THER : CID/BAS SE / COO	(sect)		235775
	oria	INERS WATER ATER E:		Sample I.D.	Lab I.D.
	LERV. SAMPLING	MATRIX			
	7	1 1	a o'nell	* Mariah	Sampler Name:
	TX ZID: 19701	HOSING State:	23103	-10	Project Location: 32
	11	City:	Proje	Vari Luby	Project Name:
	104 S. Derna		ひわりち Fax 株	-100-1	Protest 12
	Altho Regive	Zip: 70701 Alter: Ko	State: TX	pup	-E
	RTA DI	# 400 Comme	nfeid st	I N. Ma	Address: (00
ANALYSIS REDUEST	BILL TO		(TIPPIN)	ger: Hadlie	Project Manager:
		88240 13-2476	and, Hobbs, NM 26 FAX (575) 39	101 East Mart (575) 393-23 Company Name: Ensolum, LLC	Company Na
CUSTODY AND ANALYSIS REDUEST	CHAIN-OF-CUSTODY	D i	at la	Labor	

Received by OCD: 4/23/2025 9:34:56 AM

Released to Imaging: 5/1/2025 11:46:21 AM

Page 19 of 20

PLEASE NOTE: Uability and Ummages. Cardinals lisbility and dimits anchaive interview analyzes. An claims landbiding dous for megligance and any other eause winknower of anillates or successory anchair all of or related to incidental or consequential damages, is Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corrected Tomp.	Phone #: 1432 - 557 - 8895 Fax #: Project &: 03C 2012054 Project Project Name: VACUUM JWD H Project Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193423 - 10 Sampler Name: MANANA O'DEII Prolect Location: 32 . 193443 Prolect Location: 32 . 19344 Prolect Location: 32 . 19344 Prolect Location: 32 . 193443 Prolect Location: 32 . 19344 Prolect Loc	101 East Marland, H (575) 393-2326 FA Name: Ensolum, LLC Ianager: H adjir() ()YCC
At EASE NOTE: Usably and domains: Curdinal's liability and directs analysis and an usable of an analysis of the subset in the line of the subset in the	Company: BTA () 35 DDC/I/C Solution 4 CONTAINERS 4 CONTAINERS 5 COL 5 COL	88240 3-2476 P.O. #

Page 20 of 20

Page 221 of 392



APPENDIX F

Final C-141

Released to Imaging: 5/1/2025 11:46:21 AM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2313058428
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297				
Contact Name: Nathan Sirgo	Contact Telephone: (432) 682-3753				
Contact email: nsirgo@btaoil.com	Incident # (assigned by OCD)				
Contact mailing address: 104 South Pecos St. Midland, TX 79701					

Location of Release Source

Latitude	32.793423	Longitude103.422657	
Site Name: V	Zacuum SWD H #035	Site Type: Pipeline	
Date Release Discovered: 5/10/2023		API# (if applicable) 30-025-20207	

Unit Letter	Section	Township	Range	County
Н	35	17S	35E	Lea

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

🔀 Crude Oil	Volume Released (bbls) Unkown	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	ermined on 5/10/2023 based on the impacted area footp	the battery. The environmental consultant contracted to brint that the release more than likely breached the

Page	2
1 uge	-

Oil Conservation Division

Incident ID	nAPP2313058428
District RP	
Facility ID	
Application ID	

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

Initial Response

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

 \square The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Nathan J. Sirgo	Title: Operations Manager
Signature: Martan J. G	Date: 5/16/2023
email: nsirgo@btaoil.com	Telephone: 432-682-3753
OCD Only	
Received by:	Date:

Received by OCD: 4/23/2025 9:34:56 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID

District RP Facility ID Application ID

Site Assessment/Characterization

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

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

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

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

- $\underline{\mathbf{x}}$ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- x Field data

Page 3

- \mathbf{x} Data table of soil contaminant concentration data
- \mathbf{x} Depth to water determination
- x Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- x Boring or excavation logs
- x Photographs including date and GIS information
- **x** Topographic/Aerial maps
- X 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.

Received by OCD: 4	3/23/2025 9:34:56 AM State of New Mexico			Page 226 of 39.
Form C-141			Incident ID	nAPP2313058428
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all opera public health or the failed to adequately addition, OCD accep and/or regulations. Printed Name: Signature:	the information given above is true and complete to the tors are required to report and/or file certain release no environment. The acceptance of a C-141 report by the investigate and remediate contamination that pose a the ptance of a C-141 report does not relieve the operator of <u>Kelton Beaird</u> <u>kbeaird@btaoil.com</u>	tifications and perform cc OCD does not relieve the reat to groundwater, surfa f responsibility for compl 	orrective actions for rele e operator of liability she ce water, human health liance with any other fee tal Manager	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:		Date:		

Received by OCD: 4/23/2025 9:34:56 AM Form C-141 State of New Mexico

Oil Conservation Division

	ŀ	Pa	g	e	2	2	7	0	f	3	9	2	

Incident ID	nAPP2313058428
District RP	
Facility ID	
Application ID	

Remediation Plan

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

 \mathbf{X} Detailed description of proposed remediation technique

 \mathbf{x} Scaled sitemap with GPS coordinates showing delineation points

 \mathbf{x} Estimated volume of material to be remediated

Page 5

X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

x 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 co	nfirmed 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 heal	th, the environment, or groundwater.			
	ete to the best of my knowledge and understand that pursuant to OCD			
	acceptance of a C-141 report does not relieve the operator of			
Printed Name:Kelton Beaird Title:Operations Manager				
Signature:	Date:			
email:kbeaird@btaoil.com	Telephone:432-312-2203			
OCD Only				
Received by:	_ Date:			
Approved Approved with Attached Conditions of	f Approval Denied Deferral Approved			
Signature:	Date:			

•



APPENDIX G

NMOCD Notifications

Dan Moir

From:	Velez, Nelson, EMNRD <nelson.velez@emnrd.nm.gov></nelson.velez@emnrd.nm.gov>
Sent:	Wednesday, July 26, 2023 5:30 PM
То:	Hadlie Green
Cc:	KBeaird@btaoil.com
Subject:	BTA - Extension Request - Vacuum SWD H #035 (Incident Number nAPP2313058428)

[**EXTERNAL EMAIL**]

Good morning Hadlie,

Your 90-day time extension request is approved. Remediation Due date has been updated to November 6, 2023.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



previous email submittal;

From: Hadlie Green <hgreen@ensolum.com>
Sent: Wednesday, July 26, 2023 7:02 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Kelton Beaird <KBeaird@btaoil.com>
Subject: [EXTERNAL] BTA - Extension Request - Vacuum SWD H #035 (Incident Number nAPP2313058428)

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

All,

BTA is requesting an extension for the current deadline of August 8, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Vacuum SWD H #035 (Incident Number nAPP2313058428). The release was discovered on May 10, 2023. Initial site assessment activities have been completed and delineation activities are ongoing. In order to complete additional remediation activities and submit a remediation work plan or closure report, BTA requests a 90-day extension of this deadline until November 6, 2023.

Thank you,



.

Dan Moir

From:	Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov></ocd.enviro@emnrd.nm.gov>
Sent:	Wednesday, June 21, 2023 10:36 PM
То:	Hadlie Green
Subject:	RE: [EXTERNAL] BTA - Sampling Notification - Week of 06/26/2023

[**EXTERNAL EMAIL**]

Hadlie,

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



From: Hadlie Green <hgreen@ensolum.com>
Sent: Wednesday, June 21, 2023 7:34 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Kelton Beaird <KBeaird@btaoil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>
Subject: [EXTERNAL] BTA - Sampling Notification - Week of 06/26/2023

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

All,

BTA anticipates collecting confirmation samples at the following locations the week of June 26, 2023.

- Mesa 30 31 Tank Battery / nAPP2106930621
 - o Sampling Date: 6/28/2023 @ 9:00 AM MST
- Vacuum SWD H 35 Pipeline / nAPP2313058428
 - o Sampling Date: 6/28-29/2023 @ 9:00 AM MST

Thank you,

.



Hadlie Green Project Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC in f ♥

Dan Moir

From:	Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov></ocd.enviro@emnrd.nm.gov>
Sent:	Thursday, June 29, 2023 10:48 PM
То:	Hadlie Green
Cc:	Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject:	RE: [EXTERNAL] BTA - Sampling Notification - Week of 07/3/2023

[**EXTERNAL EMAIL**]

Hadlie,

The OCD has received your notification. 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



From: Hadlie Green <hgreen@ensolum.com>
Sent: Thursday, June 29, 2023 8:18 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Tacoma Morrissey <tmorrissey@ensolum.com>; Kelton Beaird <KBeaird@btaoil.com>; Peter Van Patten
<pvanpatten@ensolum.com>
Subject: [EXTERNAL] BTA - Sampling Notification - Week of 07/3/2023

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

All,

BTA anticipates collecting confirmation samples at the following locations the week of July 3, 2023.

- Vacuum SWD H 35 Pipeline / nAPP2313058428
 Sampling Date: 7/5/2023 @ 9:00 AM MST
- Chiso 14 State Jet Pump Excavation / nAPP2205837214
 Sampling Date: 7/6/2023 @ 9:00 AM MST
- Mesa B #25 / nAPP2112744758
 - o Sampling Date: 7/6-7/2023 @ 9:00 AM MST

.

- Mesa #16H Flowline / nAPP2123156473
 - o Sampling Date: 7/7/2023 @ 9:00 AM MST

Thank you,



Hadlie Green Project Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC

e: [EXTERNAL] BTA - Extension Request - Vacuum SWD H #035 (Incident Number nAPP2313058428)

Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov> To Hadlie Green Cc Kelton Beaird; Tacoma Morrissey; Aimee Cole; Bratcher, Michael, EMNRD You replied to this message on 11/7/2023 3:41 PM. If there are problems with how this message is displayed, click here to view it in a web browser.

Good morning Hadlie,

Yaur 30-day time extension request is approved. Remediation Due date has been updated to December 6, 2023 within the incident page.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/_



• • • • • •

APPENDIX C Regulatory Correspondence

Poole, Nicholas

From:	OCDOnline@state.nm.us
Sent:	Tuesday, February 4, 2025 4:12 PM
To:	Poole. Nicholas
Subject:	The Oil Conservation Division (OCD) has approved the application, Application ID: 424407

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

To whom it may concern (c/o Nicholas Poole for BTA OIL PRODUCERS, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2313058428, with the following conditions:

• The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Please note that at least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The work will need to occur in 90 days after the work plan has been reviewed.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Scott Rodgers Environmental Specialist - A 505-469-1830 scott.rodgers@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

Poole, Nicholas

From:	Bisbey-Kuehn, Elizabeth A. <ebisbeykuehn@nmslo.gov></ebisbeykuehn@nmslo.gov>	
Sent:	Friday, February 7, 2025 4:13 PM	
To: Poole, Nicholas		
Cc:	Llull, Christian; Allen, Samantha	
Subject:	Remediation Work Plan Approval - BTA Oil Producers - Vacuum SWD H #035 (NAPP2313058428)	

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

Nicholas,

Documentation of proposed remediation actions for the subject release incident was received from your office on February 5, 2025. The NMSLO Environmental Compliance Office (ECO) has reviewed the plan, and based on the information provided in the document received from your office, ECO has approved the remediation plan.

- 1. Confirmation samples must be collected of the walls and base of excavation and be representative of no more than 200 sq ft. All samples must be analyzed for BTEX, TPH, and chloride.
- 2. A 4 day sampling notification for the confirmation sampling must be submitted to eco@nmslo.gov.
- 3. Once acceptable results are received, the excavation must then be backfilled with clean, equivalent soil to surface grade.
- 4. Submit a remediation closure report and site activity completion report to eco@nmslo.gov.



The Lessee and/or their contractor are responsible for ensuring the project manager and field personnel performing the work follow the approved work plan.

Regards, ECO

Environmental Compliance Office Surface Resources Division eco@nmslo.gov nmstatelands.org



CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page1239eof 392

QUESTIONS

Action 430197

QUESTIONS			
Operator:	OGRID:		
BTA OIL PRODUCERS, LLC	260297		
104 S Pecos	Action Number:		
Midland, TX 79701	430197		
	Action Type:		
	[NOTIFY] Notification Of Sampling (C-141N)		

QUESTIONS

nAPP2313058428
NAPP2313058428 VACUUM SWD H #035 @ 30-025-20207
Other
Remediation Plan Approved
[30-025-20207] VACUUM SWD H #035

Locati	on o	f Re	lease	Source	

Site Name	VACUUM SWD H #035
Date Release Discovered	05/10/2023
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.			
What is the sampling surface area in square feet	2,800		
What is the estimated number of samples that will be gathered	22		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2025		
Time sampling will commence	09:00 AM		
Please provide any information necessary for observers to contact samplers	The remediation and reclamation is expected to take a maximum of 7 days. Sampling is expected to take place on Thursday 2/13 through Thursday 2/20. If additional sampling is required due to floor or sidewall expansion, an additional C-141N will be submitted.		
Please provide any information necessary for navigation to sampling site	FROM THE INTERSECTION OF R D LEE RD AND BUCKEYE RD, TRAVEL SOUTH ON R D LEE RD FOR APPROXIMATELY 3320 FT. TURN LEFT AND CONTINUE EAST ON UNNAMED LEASE RD FOR APPROXIMATELY 1575. CONTINUE NORTH ON UNNAMED LEASE RD FOR APPROXIMATELY 1050 FT. CONTINUE NORTH ON TWO TRACK RD INTO OPEN PASTURE FOR APPROXIMATELY 510 FT. CONTINUE WEST 15 FT INTO OPEN PASTURE TO ARRIVE AT SITE GPS 32.793423, -103.422678.		

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	430197
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
nicholas poole	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/10/2025

CONDITIONS

Action 430197

Poole, Nicholas

From:	Poole, Nicholas
Sent:	Monday, February 10, 2025 3:54 PM
То:	eco@nmslo.gov
Cc:	Bisbey-Kuehn, Elizabeth A.; Ontiveros, Gabe; Allen, Samantha; Llull, Christian
Subject:	Vacuum SWD H #035 Release (NAPP2313058428)

To whom it may concern,

On Friday 2/7/2025, ECO approved the NAPP2313058428 Work Plan via email with the following conditions:

- Confirmation samples must be collected of the walls and base of excavation and be representative of no more than 200 sq ft. All samples must be analyzed for BTEX, TPH, and chloride.
- A 4 day sampling notification for the confirmation sampling must be submitted to <u>eco@nmslo.gov</u>.
- Once acceptable results are received, the excavation must then be backfilled with clean, equivalent soil to surface grade.
- Submit a remediation closure report and site activity completion report to <u>eco@nmslo.gov</u>.

In accordance with the conditions for approval, 4-day sampling notification is being provided for confirmation sampling.

Confirmation sampling will begin on Friday, February 14, 2025 and is expected to continue through Thursday, February 20, 2025.

Vacuum SWD H #035 BTA Oil Producers, LLC Incident ID NAPP2313058428 Lea County, New Mexico Approximate Release Location: 32.793423°, -103.422657° Landowner: NMSLO

Please let me know if you have any questions. Thank you in advance.

Nicholas Poole, P.G. | Project Manager Mobile +1 (512) 560-9064 | <u>nicholas.poole@tetratech.com</u>

Tetra Tech | *Leading with Science*[®] | OGA 8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | <u>tetratech.com</u>

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

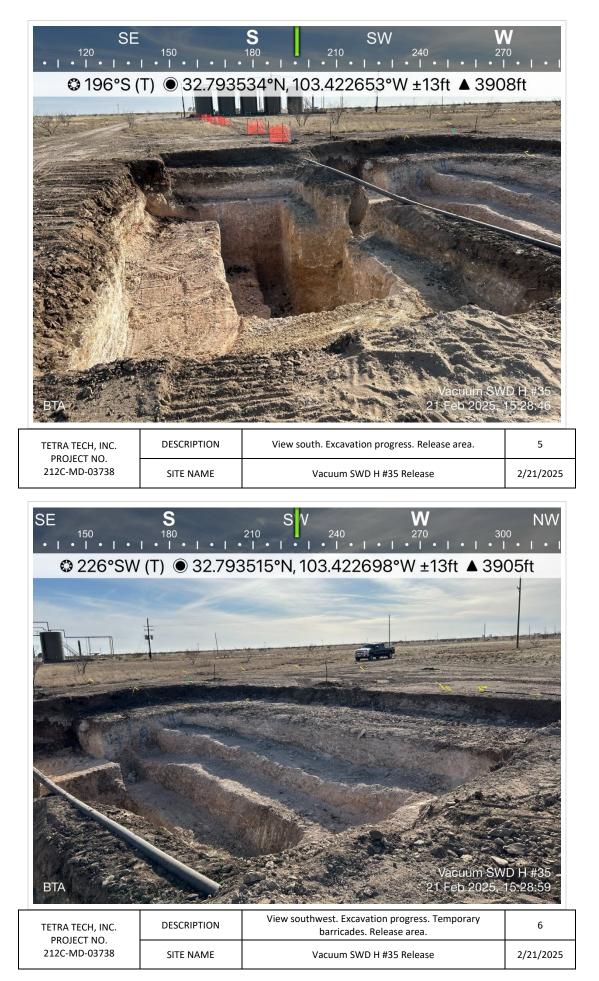


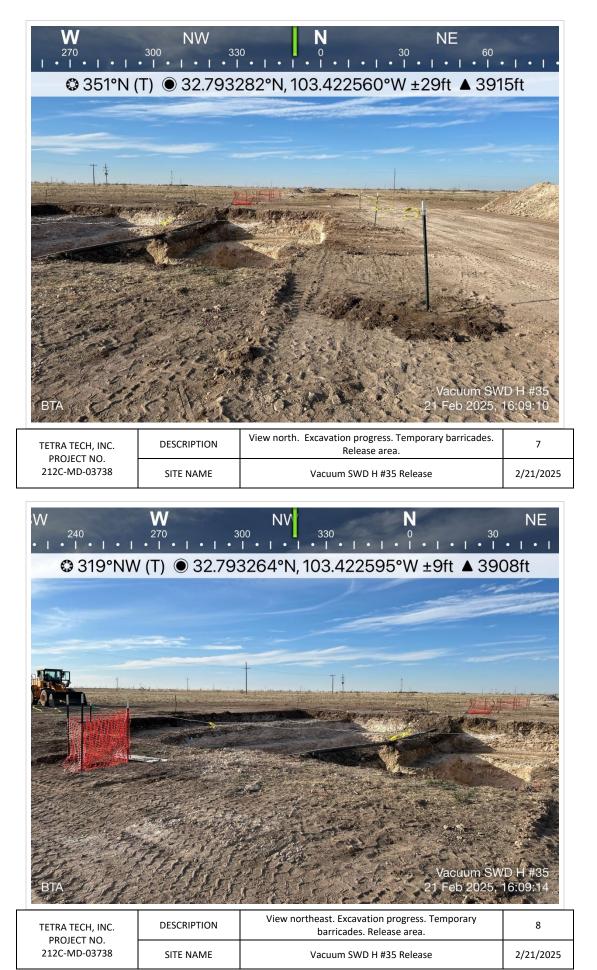


APPENDIX D Photographic Documentation















TETRA TECH, INC. PROJECT NO. 212C-MD-03738	DESCRIPTION	View north. Backfilled excavation area.	13
	SITE NAME	Vacuum SWD H #35 Release	3/5/2025

	$[\cdot \cdot \cdot \cdot \cdot \cdot $	E SE ⁶⁰ • I • I • ¹²⁰ • I • I • ¹⁵ 7'35"N, 103°25'21"W ±9ft ▲ 3902ft	
	Bam 1897 CR 1018 Muldelmo, 1874 OUI Producers MM broadcast rate PD CC	nert Seed Company Inc.	
	Hard Standy Bandward Standy Standy Standy Standy Bandward Standy Standy Standy Standy Standy Bandward Standy Standy Standy Standy Standy Bandward Standy Standy Standy Standy Standy Standy Standy Sta	xm1xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
	вта	Vacuum SWD H #035 Pipeline 19 Mar 2025, 10:20:55	
TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east. Seed mixture.	14
212C-MD-03738	SITE NAME	Vacuum SWD H #35 Release	3/19/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03738	DESCRIPTION	View northwest. Seed mixture placement.	15
	SITE NAME	Vacuum SWD H #35 Release	3/19/2025



Released to Imaging: 5/1/2025 11:46:21 AM



.

APPENDIX E Waste Manifests

Rea	ceived by OCD: 4/23/2025 9:34:56 A	M			Page 253 of 392	
	RBBERTAL ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-734057	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		
	Facility: CRI					
	Product //Service		Quanti	ty-Units		
	Contaminated Soil (RCRA Exemp	t)	20).00 yards		
	I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's Jul 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate item MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver//Agent Signature					
				R		
	Customer Approval	- 64. ht. http:///www.and		and the second		
		THI	S IS NOT AN INVO	DICE!		
	Approved By:		Date:			
				an an an astronación de Marine de Sal		
					1	
			,			

t6UJ9A026531

2/17/2025 1:42:45PM

Customer: ETA OIL PRODUCERS Order of V. RAY RANG: Definition Portion of	eceived by OCD: 4/23/2025 9:34:56	4 <i>M</i>		Page 254 of 392
Product//Service Quantity Units Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status	SOLUTIONS	Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: Manifest #: RB 375161 Manif. Date: 2/17/2025 Hauler: SP Transport Driver JULIO Truck # 101 Card #	Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig:	06UJ9A000L31 2/17/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING
Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status : Increase of the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ 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 26121-26124 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver//Agent/Signature R360 Representative Signature Customer.Approval THIS IS NOT AN INVOICE!	Facility: CRI			
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/.Agent/Signature R360 Representative Signature MEM THIS IS NOT AN INVOICE!	Product / Service		Quantity Units	
Cenerator Certification Statement of Waste Status. I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/Agent/Signature R360 Representative Signature Customer.Approval THIS IS NOT AN INVOICE!	Contaminated Soil (RCRA Exem	ipt)	20.00 yards	
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/Agent/Signature R360/Representative Signature THIS IS NOT AN INVOICE!				19 19 19 19 19 19 19 19 19 19 19 19 19 1
Customer Approval THIS IS NOT AN INVOICE!	1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes _ RCRA Non-Exempt: Oil field was characteristics established in RCRA r amended. The following documentation _ MSDS Information _ RCRA	ove described waste is: generated from oil and gas exploration ste which is non-hazardous that does n egulations, 40 CFR 261.21-261.24 or li ion is attached to demonstrate the abov Hazardous Waste Analysis Proce	n and production operations and not exceed the minimum standar sted hazardous waste as defined ve-described waste is non-hazard sss Knowledge Other (Prov	are not mixed with non-exempt waste ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
THIS IS NOT AN INVOICE!	Driver/Agent/Signature		GM	
	Customer Approval	test 1 aline 12 - manualitic in Ali	hittine and the man of the second	
Approved By:		THIS IS NOT A	N INVOICE!	
	Approved By:		Date:	

t6UJ9A0264OL

2/17/2025 8:51:00AM

5						
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)						
11 A						

t6UJ9A0265AG

2/17/2025 4:26:19PM

Page 255 of 392

<u>Received by OCD: 4/23/2025 9:34:56 AM</u>

RESECUTIONS ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS ²³⁰²⁸ HW-734055	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-1689666 OGUJ9A000L31 2/17/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quant	ty Units	
Contaminated Soil (RCRA Exemp	ot)	20	0.00 yards	
Generator Certification Statemen	t of Waste St	ătus		
I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA re- amended. The following documentation MSDS Information RCRA H Driver/ Agent Signature	ve described wa enerated from o te which is non- gulations, 40 CF on is attached to	ste is: il and gas exploration and produc hazardous that does not exceed the R 261.21-261.24 or listed hazardo demonstrate the above-described	ction operations and the minimum standard ous waste as defined I waste is non-hazard ge Other (Prov	are not mixed with non-exempt wasted ds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
			\bigcirc	
Customer Approval	***************************************	E jel	1 AF	
	THI	S IS NOT AN INVO	DICE!	
Approved By:		Date:		
16111040264YG				2/17/2025 11:18:58AM
t6UJ9A0264YG				2/11/2020 11.10.00AW

Page 256 of 392

Received by OCD: 4/23/2025 9:34:56 AM

RB360	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BTA OIL PRODUCERS CRI1630 RAY RAMOS 23028 HW-734960 2/17/2025 SP Transport SERGIO 010	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product // Service		Quar	ntity-Units	
Contaminated Soil (RCRA Ex	empt)		20.00 yards	
_ MSDS Information _ RCR	A Hazardous Waste	Analysis _ Process Knowle	edge Other (Prov	dous. (Check the appropriate items) vide description above)
Customer Approval				
		S IS NOT AN INV	OICE!	AFy
Approved By:	THI		OICE!	
Approved By:	THI			
Approved By:	THI			

t6UJ9A0265AV

2/17/2025 4:35:41PM

Received by OCD: 4/23/2025 9:34:	56 AM		
RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734961 Manif. Date: 2/17/2025 Hauler: SP Transport Driver SERGIO Truck # 010 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI			
Product/Service	Qua	ntity Units	
Contaminated Soil (RCRA Exe	empt)	20.00 yards	
1988 regulatory determination, the a X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste characteristics established in RCRA amended. The following document	es generated from oil and gas exploration and proc waste which is non-hazardous that does not exceed a regulations, 40 CFR 261.21-261.24 or listed haza ation is attached to demonstrate the above-describ A Hazardous Waste Analysis Process Knowl	duction operations and d the minimum standar rdous waste as defined bed waste is non-hazard	are not mixed with non-exempt wast ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
Customer Approval	THIS IS NOT AN INV	VOICE!	
		OIUE.	
Approved By:	Date		

2/17/2025 1:59:37PM

RESECTOR	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 RB375159	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product// Service		Quantity	Units	
Contaminated Soil (RCRA Exemp	ot)	20.00) yards	
Generator Certification Statemen I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g	esource Conserve described wa	vation and Recovery Act (RCRA) and aste is:	the US Enviro	nmental Protection Agency's July
RCRA Non-Exempt: Oil field was characteristics established in RCRA re- amended. The following documentation MSDS Information RCRA H	te which is non- gulations, 40 CF on is attached to	hazardous that does not exceed the n R 261.21-261.24 or listed hazardous demonstrate the above-described wa	ninimum standar waste as defined ste is non-hazaro	ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/ Agent Signature	all the state	R360 Representative S	lemature	
DiventAgentoignature	<u></u>			
Customer Approval				
	THI	S IS NOT AN INVOI	CE!	
Approved By:		Date:		
t6UJ9A0264PK				2/17/2025 8:57:39AM

-

Page 259 of 392

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

RBB CONTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-734959	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantity	Units	
Contaminated Soil (RCRA Exemp		20.00) yards	
		ature	Rent Maker	
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the about X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wastes characteristics established in RCRA re amended. The following documentation MSDS Information _ RCRA H	esource Conser ove described way enerated from o te which is non- gulations, 40 CP	vation and Recovery Act (RCRA) and aste is: il and gas exploration and production hazardous that does not exceed the m FR 261.21-261.24 or listed hazardous demonstrate the above-described wa	I the US Environ n operations and ninimum standar waste as defined ste is non-hazar	are not mixed with non-exempt waster ds for waste hazardous by l in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/ Agent Signature	AND THE REAL	KSOU Representative S	Inglianate	
Customer Approval		And the second	K STR	
	THI	S IS NOT AN INVOI	CE!	
Approved By:		Date:		
x				
				2/17/2025 11:37:32AM

١

Received by OCD: 4/23/2025 9:34:56 AM

Released to Imaging: 5/1/2025 11:46:21 AM

Page 260 of 392

Received by OCD: 4/23/2025 9:34:56 AM

RBS CONTINUENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-734056	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County			
Facility: CRI	`					
Product//Service		Quantity L	Inits - Ange			
Contaminated Soil (RCRA Exempt	t)	20.00	yards			
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature: _ R360 Representative Signature						
Customer Approval		S IS NOT AN INVOID	E!			
Approved By:		Date:				
L						

t6UJ9A0265B0

2/17/2025 4:38:58PM

RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CRI1 Ordered by: RAY AFE #: PO #: 2302 Manifest #: HW-7 Manif. Date: 2/17/	RAMOS 8 733831 2025 ransport JS	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantity	Units 532	1 日本の 一下 二、
Contaminated Soil (RCRA Exem	pt)	20.0	10 yards	
I hereby certify that according to the F 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wastes characteristics established in RCRA re amended. The following documentati MSDS Information _ RCRA F	ove described waste is: generated from oil and g ste which is non-hazard gulations, 40 CFR 261. on is attached to demor Hazardous Waste Analy	as exploration and production ous that does not exceed the 21-261.24 or listed hazardous strate the above-described we sis Process Knowledge	on operations and minimum standar waste as defined raste is non-hazar Other (Prov	are not mixed with non-exempt wast ds for waste hazardous by l in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/Agent Signature		Robertoprocentation	\bigcirc	Z
				2
Customer Approval	1925 X.	3	4	
	THIS IS	NOT AN INVO	CE!	
Approved By:		Date:		
t6UJ9A0264PM				2/17/2025 8:59:20AM

Page 262 of 392

Received by OCD: 4/23/2025 9:34:56 AM

eived by OCD: 4/23/2025 9:34:56	<u>AM</u>		Page 263 of 3
ENVIRONMENTAL SOLUTIONS Permian Basin	Customer:- BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-733832 Manif. Date: 2/17/2025 Hauler: SP Transport Driver JESUS Truck # 4690 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI			
Product / Service	Qua	antity Units	2 . where the stand
Contaminated Soil (RCRA Exer	npt)	28.00 yards	
RCRA Non-Exempt: Oil field was characteristics established in RCRA amended. The following documentar	s generated from oil and gas exploration and pro aste which is non-hazardous that does not exceed regulations, 40 CFR 261.21-261.24 or listed haza tion is attached to demonstrate the above-descri Hazardous Waste Analysis Process Know	ed the minimum standar ardous waste as defined ibed waste is non-hazar	ds for waste hazardous by 1 in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
_ MSDS Information _ RCRA	Hazardous waste Analysis _ Process Know	ledge _ Other (Prov	nde description above)
Driver/ Agent Signature	R360 Representa	ative Signature	3 4. 19 . 19 . 19 . 19 . 19 . 19 . 19 . 1
		\square	14
		9	
Customer Approval			i i i i i i i i i i i i i i i i i i i
	THIS IS NOT AN IN	VOICE!	
Approved By:	Date	9:	
		r	
t6UJ9A0264YY			2/17/2025 11:30:49AM

Rasconertal Solutions Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-733833	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-1689732 O6UJ9A000L31 2/17/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)			
Facility: CRI							
Product//Service							
Contaminated Soil (RCRA Exemp	t) י	20).00 yards				
1988 regulatory determination, the above X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field wastes characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA Here	Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver//Agent/Signature R360 Representative Signature Customer/Approval. Customer/Approval.						
	(HI	S IS NOT AN INVO	JCEI				
Approved By:		Date:					
		·					

Received by OCD: 4/23/2025 9:34:56 AM

t6UJ9A02653G

Released to Imaging: 5/1/2025 11:46:21 AM

2/17/2025 1:58:06PM

Page 264 of 392

Received by OCD: 4/23/2025 9:34:56 AM

RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL Customer #: CRI1630 Ordered by: RAY RAM AFE #: PO #: 23028 Manifest #: RB 37510 Manif. Date: 2/17/2029 Hauler: SP Trans Driver YANIEL Truck # 905 Card # Job Ref #	60 5	Ticket #. Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1689585 O6UJ9A000L31 2/17/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI				
Product // Service	A Sheek and a second second	Quantity L	Inits 1	2 of the contract
Contaminated Soil (RCRA Exemp	ot)	20.00	yards	
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes go RCRA Non-Exempt: Oil field wastes characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA H	esource Conservation and I ve described waste is: enerated from oil and gas e te which is non-hazardous t gulations, 40 CFR 261.21-2 on is attached to demonstrat	xploration and production hat does not exceed the m 61.24 or listed hazardous v e the aboye-described was	operations and inimum standar vaste as defined ste is non-hazar	are not mixed with non-exempt wast ds for waste hazardous by l in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/ Agent Signature 🐐 🛛	94 - <u>96 - 9</u> 6 - 96 - 96	360 Representative S	gnature	
Customer Approval	2 3-			
	THIS IS N	OT AN INVOIC)EI	
Approved By:		Date:		
t6UJ9A0264PT Released to Imaging: 5/1/2025 11:46:21	I AM			2/17/2025 9:02:52AM

RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BTA OIL PROD CRI1630 RAY RAMOS 23028 HW-733834 2/17/2025 SP Transport YANIEL 105	OUCERS ∻	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-1689677 O6UJ9A000L31 2/17/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI					
Próduct / Service	8. 1 A. J.		Quantity U	nits	
Contaminated Soil (RCRA Exemp	t)		20.00	yards	
Generator Certification Statement	6 of Monto St	aftire series		7. 11 - 15 - F	
I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge _ RCRA Non-Exempt: Oil field wastes characteristics established in RCRA reg amended. The following documentation _ MSDS Information _ RCRA Ha	esource Conser- ve described was enerated from o e which is non- gulations, 40 CF n is attached to	vation and Recove iste is: il and gas explorat hazardous that doo R 261.21-261.24 o demonstrate the a	ry Act (RCRA) and ion and production es not exceed the mi r listed hazardous w bove-described was	operations and inimum standar vaste as defined te is non-hazard	are not mixed with non-exempt wast ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/ Agent Signature	a and a second	R360 R	epresentative-Si	gnature	24. 2°
				\nearrow	
Customer Approval			<u> </u>	C. C. Mark	
	THI	S IS NOT	AN INVOIC	E!	
Assessed Dut			Date:	-	ter and the second s
Approved By:					
					4
					ž
a and a second sec					
52					1
					1
					1
					2/17/2025 ·11:40:27AM
t6UJ9A0264ZC					
alaasad to Imaging, 5/1/2025 11.46.21	1 A A A				

Page 266 of 392

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

Received by OCD: 4/23/2025 9:34:56 AM

RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer#:	RAY RAMOS 23028 HW-733835	Ticket #. Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	20207L
Facility: CRI				
Product / Service	and the second sec	Qu	antity Units	
Contaminated Soil (RCRA Exemp	ot)		20.00 yards	
Generator Certification Statemen	t of Waste St	itus		
I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA H	ve described wa enerated from oi te which is non-l gulations, 40 CF on is attached to	ste is: and gas exploration and pro- hazardous that does not exce R 261.21-261.24 or listed haz demonstrate the above-descr Analysis Process Know	oduction operations and ed the minimum standar ardous waste as defined ibed waste is non-hazar wledge Other (Prov	are not mixed with non-exempt waster rds for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): wide description above)
Driver/ Agent Signature	State .	R360 Represent	ative Signature	
				KB .
Customer Approval				
	THI	S IS NOT AN IN	VOICE!	
Approved By:		Dat	le:	
t6UJ9A026542				2/17/2025 2:08:18PM

2 2

	NEW MEXICO NON-HAZAF	ROOUS OILHELD WASTI		Name Cis Linco
R360	(PL)	EASE PRINT) *REQU	IRED INFORMATION*	Phone No. 132 31312
73	(भेर	NERATOR	NO.	HW-735125
Generator Manifest #		Location of Origin		
		Lease/Well	Macina "	SUN 331!
enerator Name		_ Name & No.	Victoria	had and allow a
Address		_ County API No.	LEA	
		Rig Name & No.		
ity, State, Zip		AFE/PO No.	11:# 210,2	154
hone No.	SP Waste/Service identification and Am		asterne in namels of annin	vardst
	NON-INJECTABLE WATERS	odni (bigcestoinings) otrada	OTHER EXEMPT	VASTE STREAMS
Dil Based Muds Dil Based Cuttings	Washout Water (Non-Injectable)		_	
Water Based Muds	Completion Fluid/Flow Back (Nor	n-Injectable)	- 15 R	141
Vater Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (No	n-Iniectable)		
ank Bottoms	INTERNALDUSE ONLY	Constanting of the second second	TOP SOIL & GALICHES	ALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICH
WASTE GENERATION PROCESS:			ION GATH	ERING LINES
MASTE GENERATION TROCESS.				
Allowing	NON-EXEMPT E&P Was not E&P waste must be analysed and be below	ste/Service dentification and An threshold limits for loxicity [TCL	P), initiability, Corrosivity add	Reactivity
Von-Exempt Other	The second s	*please sel	ect from Non-Exempt Waste	List on back
	D. DADDEL C	L - LIQUID	20 (Y-YARDS)	E - EACH
DISPOSAL QUANTITY	B - BARRELS), is (are) not hazardous waste as defined by 40			And the second se
RCRA NON-EXEMPT: Oil fi	oad basis only) eld waste which is non-hazardous that does no FR 261 21-261 24, or listed hazardous waste as	defined by 40 CFR, part 261, sul	s for waste hazardous by chara bpart D, as amended. The follow	cteristics established in RCRA regi wing documentation demonstratio
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD FMERCENCY NON-DILEED Fmercency	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm	opart D, as amended. The follow	her (Provide Description Below)
RCRA NON-EXEMPT: Oil fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm	opart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD FMERCENCY NON-DILEED Fmercency	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form)	opart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-DILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ranspoorter's	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE	ppart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE DATE Driver's Name	opart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame vddress	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE TRA	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name	ppart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame ddress hone No.	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE TRA	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Phone No.	ppart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame address hone No. ransporter Ticket #	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departmaccompany this form) DATE DATE Driver's Name Print Name Phone No. Truck No.	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame address hone No. ransporter Ticket #	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h rmination and a description of the waste must SIGNATURE 	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Phone No. Truck No. isted above and delivered witho	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame address hone No. ransporter Ticket #	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
RCRA NON-EXEMPT: 0il fi 40 Cl wast MSD EMERGENCY NON-OILFIELD Emer deter (PRINT) AUTHORIZED AGENTS ransporter's lame ddress hone No. ransporter Ticket # hereby certify that the above named material(eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h rmination and a description of the waste must SIGNATURE 	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h rmination and a description of the waste must SIGNATURE 	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Phone No. Truck No. Isted above and delivered witho DELIVERY DATE	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h rmination and a description of the waste must SIGNATURE 	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE Datre Driver's Name Print Name Print Name Print Name Phone No. Truck No. isted above and delivered witho DELIVERY DATE	bpart D, as amended. The following of the order, in the following of the order, signated and the order, signated and the order of the o	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h rmination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE DRIVER'S SIGNATURE DISPON / NIM1-006 2 / 180 Mile Marker 66 Carlsbad, NM 88220	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No.	bpart D, as amended. The following of the order, in the following of the order, signated and the order, signated and the order of the o	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE DISPON / NM1-006 2/180 Mile Marker 66 Carlsbad, NM 88220 EN? (Circle One) YES NO.	a defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name Print Name Phone No. Truck No. isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No.	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SIGNATURE DISPO / NIM1-006 2/180 Mile Marker 66 Carlsbad, NM 88220 EN? (Circle One) YES NO ST? (Circle One) YES NO	is defined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departm accompany this form) DATE NSPORTER Driver's Name Print Name Print Name Print Name Print Name Print Name Print Name Print Name Print Name Print Name State above and delivered witho DELIVERY DATE SAL FACILITY Phone No.	bpart D, as amended. The follow	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE INTERIAL SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE INTERIAL	A ceffined by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departmaccompany this form) DATE Date Driver's Name Print Name Print Name Print Name Print Name Print Name Print No. Isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No. If YES, was reading CBOETCOMS	bpart D, as amended. The follow in the of Public Safety (the order, SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circ	her (Provide Description Below) documentation of non-hazardous URE URE ity listed below. DRIVER'S SIGNATURE EIVING AREA
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SIGNATURE DISPO / NIM1-006 2/180 Mile Marker 66 Carlsbad, NM 88220 EN? (Circle One) YES NO ST? (Circle One) YES NO	A certified by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departmaccompany this form) DATE Date Driver's Name Print Name Print Name Print Name Print Name Print Name Print No. Isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No. If YES, was reading CBOETCOMS	bpart D, as amended. The follow both of Public Safety (the order, SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circ //BBLS Received	her (Provide Description Below) documentation of non-hazardous URE
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE INTERIAL SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE INTERIAL	A certified by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departmaccompany this form) DATE Date Driver's Name Print Name Print Name Print Name Print Name Print Name Print No. Isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No. If YES, was reading CBOETCOMS	bpart D, as amended. The follow in the of Public Safety (the order, SIGNAT SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circo //BBLS Received Free Water	her (Provide Description Below) documentation of non-hazardous URE URE ity listed below. DRIVER'S SIGNATURE EIVING AREA
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE INTERIAL SI was/were picked up at the Generator's site I DRIVER'S SIGNATURE INTERIAL	A certified by 40 CFR, part 261, sub propriate items as provided) CRA Hazardous Waste Analysis has been ordered by the Departmaccompany this form) DATE Date Driver's Name Print Name Print Name Print Name Print Name Print Name Print No. Isted above and delivered witho DELIVERY DATE SAL FACILITY Phone No. If YES, was reading CBOETCOMS	bpart D, as amended. The follow both of Public Safety (the order, SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circ //BBLS Received	her (Provide Description Below) documentation of non-hazardous URE URE ity listed below. DRIVER'S SIGNATURE EIVING AREA
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SIGNATURE DRIVER'S SIGNATURE DRIVER'S SIGNATURE DISPON V NM1-006 2 / 180 Mile Marker 66 Carlsbad, NM 88220 EN? (Circle One) YES NO ST? (Circle One) YES NO Inches	defined by 40 CFR, part 261, sub oropriate items as provided) CRA Hazardous Waste Analysis nas been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name	bpart D, as amended. The follow in the of Public Safety (the order, SIGNAT SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circo //BBLS Received Free Water	her (Provide Description Below) documentation of non-hazardous URE URE ity listed below. DRIVER'S SIGNATURE EIVING AREA
	eld waste which is non-hazardous that does no FR 261.21-261.24, or listed hazardous waste as e as non-hazardous is attached. (Check the app IS Information R gency non-hazardous, non-oilfield waste that h mination and a description of the waste must SIGNATURE SIGNATURE SIGNATURE SIGNATURE DRIVER'S SIGNATURE DRIVER'S SIGNATURE DISPON V NM1-006 2 / 180 Mile Marker 66 Carlsbad, NM 88220 EN? (Circle One) YES NO ST? (Circle One) YES NO Inches	defined by 40 CFR, part 261, sub oropriate items as provided) CRA Hazardous Waste Analysis nas been ordered by the Departm accompany this form) DATE DATE Driver's Name Print Name	bpart D, as amended. The follow both of Public Safety (the order, SIGNAT SIGNAT SIGNAT Ut incident to the disposal facil RECE Name/No 575-392-6368 > 50 micro roentgents? (Circo //BBLS Received Free Water Total Received 	her (Provide Description Below) documentation of non-hazardous URE URE ity listed below. DRIVER'S SIGNATURE EIVING AREA

ceived by OCD: 4/23/2025 9:34:50	6 AM ===			Page 269 of 392
R360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735064	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Qua	ntity Units	
Contaminated Soil (RCRA Exer	mpt)		20.00 yards	
Generator Certification Statem	ent of Waste Sta	fus		
1988 regulatory determination, the a X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field w characteristics established in RCRA amended. The following documenta MSDS Information _ RCRA	s generated from oil aste which is non-h regulations, 40 CFI tion is attached to o	I and gas exploration and pro- azardous that does not exceed R 261.21-261.24 or listed haza demonstrate the above-describ	d the minimum standard redous waste as defined bed waste is non-hazard	in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Driver/ Agent Signature		R360 Representa	tive Signature	1. S. A. L. A.
		0	me	
Customer Approval				Raching and Receiver and Reco
	THIS	S IS NOT AN INV	OICE!	
Approved By:		Date	: <u></u>	

2/18/2025 8:40:45AM

ceived by OCD: 4/23/2025 9:34	:56 AM	Page 270 of .
PERSISTENTIAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: Manifest #: RB 375193 Manif. Date: 2/18/2025 Hauler: SP Transport Driver JERRY Truck # 9690 Card # Job Ref #	Ticket #:700-1690192Bid #:O6UJ9A000L31Date:2/18/2025Generator:BTA OIL PRODUCERSGenerator #:20207LWell Ser. #:20207LWell Name:VACUUM SWD HWell #:035Field:Field #:Rig:NON-DRILLINGCountyLEA (NM)
Facility: CRI		
Product / Service	Quant	ity Units
Contaminated Soil (RCRA Ex	cempt) 2	20.00 yards
RCRA Non-Exempt: Oil field characteristics established in RCR amended. The following docume	tes generated from oil and gas exploration and produ l waste which is non-hazardous that does not exceed t A regulations, 40 CFR 261.21-261.24 or listed hazard	ous waste as defined in 40 CFR, part 261, subpart D, as d waste is non-hazardous. (Check the appropriate items):
Driver/ Agent Signature	R360 Representativ	ve Signature
Customer Approval		
	THIS IS NOT AN INVO	OICE!
Approved By:	Date:	

2/18/2025 11:54:10AM

Received by OCD: 4/23/2025 9:34:56 A	M			Page 271 of 392
RR3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer:BTA OIL PFCustomer #:CRI1630Ordered by:RAY RAMOAFE #:PO #:23028Manifest #:Manif. Date:2/18/2025Hauler:SP TranspoDriverJESUSTruck #4690Card #Job Ref #	Bid Dat Ger Ger Ve We Tt We Fiel Fiel Rig:	te: 2/18/202 nerator: BTA OIL nerator #: ell Ser. #: 20207L ell Name: VACUUN ell #: 035 Id: Id #:	000L31 25 . PRODUCERS M SWD H
Facility: CRI				
Product//Service		Quantity Units	1	
Contaminated Soil (RCRA Exemp	t)	20.00 yards	S	•
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio MSDS Information _ RCRA He	esource Conservation and Rec ve described waste is: enerated from oil and gas expl e which is non-hazardous that gulations, 40 CFR 261.21-261.2 n is attached to demonstrate th	overy Act (RCRA) and the T oration and production opera does not exceed the minimu 24 or listed hazardous waste a ne above-described waste is n	US Environmental Pr ations and are not min m standards for wast as defined in 40 CFR non-hazardous. (Chec	xed with non-exempt waste te hazardous by , part 261, subpart D, as ck the appropriate items):
Driver/ Agent Signature	R36	0 Representative Signat	ure	
		mu	*	
Customer Approval				
	THIS IS NO	T AN INVOICE!		
Approved By:		Date:		_

2/18/2025 3:19:13PM

1

ceived by OCD: 4/23/2025 9:34	:56 AM				— Page 272 of 39.
ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PR Customer #: CRI1630 Ordered by: RAY RAMO AFE #: PO #: 23028 Manifest #: HW-734097 Manif. Date: 2/18/2025 Hauler: SP Transpo Driver CRUZ Truck # 07 Card # Job Ref #	DS DS D G 7 V Drt V F R	Ticket #: Bid #: Date: Generator: Generator #: Vell Ser. #: Vell Ser. #: Vell Name: Vell #: Tield: Tield #: Sounty		OUCERS
Facility: CRI					
Product / Service	A State of the second sec	Quantity Uni	ts - Bay	7	
Contaminated Soil (RCRA E	xempt)	20.00 ya	rds		
I hereby certify that according to 1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCF amended. The following docume	the Resource Conservation and Rec e above described waste is: stes generated from oil and gas expl d waste which is non-hazardous that A regulations, 40 CFR 261.21-261.2 Intation is attached to demonstrate the RA Hazardous Waste Analysis	covery Act (RCRA) and the loration and production op t does not exceed the minin 24 or listed hazardous was he above-described waste	erations and mum standard te as defined is non-hazard	are not mixed with ds for waste hazard in 40 CFR, part 20 lous. (Check the ap	n non-exempt waste dous by 61, subpart D, as ppropriate items):
Driver//Agent Signatúre	-	60 Representative Sign		-	
Customer Approval					and the second second
	THIS IS NO	T AN INVOICE	:1		
Approved By:		Date:			
	** ***-			.*:	
t6UJ9A0265QP				2/18/202	25 9:16:38AM

· ·			
NVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-735080 Manif. Date: 2/18/2025 Hauler: SP Transport Driver CRUZ Truck # 07 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI	×		
Product / Service	Qu	antity Units	
Contaminated Soil (RCRA Exe		20.00 yards	
Driver/ Agent Signature Customer Approval	R360 Representa	ative Signature	
	THIS IS NOT AN IN	VOICE	
Approved By:			

16 JURAN POSIWA

Released to Imaging: 5/1/2025 11:46:21 AM

2/18/2025 12.24:14PM

	5 AM			Page 274
ANDROMMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735063	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantit	ty Units	A star when the party
Contaminated Soil (RCRA Exem	ipt)	20	0.00 yards	
_ MSDS Information _ RCRA	Hazardous Waste	Analysis _ Process Knowledg R360 Representative		ide description above)
Customer Approval	the second s			
Customer Approval	THIS	5 IS NOT AN INVC	DICE!	
Customer Approval Approved By:			DICE!	

2/18/2025 11.50 4271

Facility: CRI Product / Service Contaminated Soil (RCRA Exemption) I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes _ RCRA Non-Exempt: Oil Field wastes _ RCRA Non-Exempt: Oil Field wastes _ RCRA Non-Exempt: Oil Field wastes _ MSDS Information _ RCRA I Driver/ Agent Signature	ent of WasterStatus Resource Conservation and bove described waste is: generated from oil and gas aste which is non-hazardous egulations, 40 CFR 261.21-2 ion is attached to demonstra Hazardous Waste Analysis	30 AMOS 4059 025 nsport d Recovery Act (RCI exploration and pro s that does not excee 261.24 or listed haza ate the above-descri	Well Nar Well #: Field: Field #: Rig: County antity Units 20.00 yards RA) and the US En oduction operations ed the minimum star ardous waste as def	O6UJ9A000L31 2/18/2025 or: BTA OIL PRODUCERS or #: . #: 20207L me: VACUUM SWD H 035 NON-DRILLING LEA (NM)	r's July empt was
Product / Service Contaminated Soil (RCRA Exem Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes _ RCRA Non-Exempt: Oil field was characteristics established in RCRA re- amended. The following documentati _ MSDS Information _ RCRA	ent of WasterStatus Resource Conservation and bove described waste is: generated from oil and gas aste which is non-hazardous egulations, 40 CFR 261.21-2 ion is attached to demonstra Hazardous Waste Analysis	d Recovery Act (RCI exploration and pro s that does not excee 261.24 or listed haza ate the above-descri	20.00 yards RA) and the US En oduction operations ed the minimum stan ardous waste as def	and are not mixed with non-exe ndards for waste hazardous by ined in 40 CFR, part 26 I, subpa	empt was
Contaminated Soil (RCRA Exem Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field wa characteristics established in RCRA re amended. The following documentati MSDS Information _ RCRA	ent of WasterStatus Resource Conservation and bove described waste is: generated from oil and gas aste which is non-hazardous egulations, 40 CFR 261.21-2 ion is attached to demonstra Hazardous Waste Analysis	d Recovery Act (RCI exploration and pro s that does not excee 261.24 or listed haza ate the above-descri	20.00 yards RA) and the US En oduction operations ed the minimum stan ardous waste as def	and are not mixed with non-exe ndards for waste hazardous by ined in 40 CFR, part 26 I, subpa	empt was
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field was characteristics established in RCRA re amended. The following documentation MSDS Information RCRA 1	ent of WasterStatus Resource Conservation and bove described waste is: generated from oil and gas aste which is non-hazardous egulations, 40 CFR 261.21-2 ion is attached to demonstra Hazardous Waste Analysis	exploration and pro s that does not excee 261.24 or listed haza ate the above-descri	RA) and the US En oduction operations ed the minimum star ardous waste as def	and are not mixed with non-exe ndards for waste hazardous by ined in 40 CFR, part 26 I, subpa	empt was
I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field wa characteristics established in RCRA re amended. The following documentation MSDS Information _ RCRA	Resource Conservation and nove described waste is: generated from oil and gas aste which is non-hazardous regulations, 40 CFR 261.21-2 ion is attached to demonstra Hazardous Waste Analysis	exploration and pro s that does not excee 261.24 or listed haza ate the above-descri	oduction operations ed the minimum star ardous waste as def	and are not mixed with non-exe ndards for waste hazardous by ined in 40 CFR, part 26 I, subpa	empt was
		R360 Representa	vledge _ Other (
Customer Approval					
	THIS IS N	NOT AN IN	VOICE!		
Approved By:		Date	e:		

t6UJ9A0265OU

2/18/2025 8:34:51AM

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735012	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRl				
Product//Service	"""" I See 1.	Quant	ity Units	
Contaminated Soil (RCRA Ex	kempt)	2	0.00 yards	
	1			
Generator Certification State I hereby certify that according to				
Customer Approval		. P. w.		5
Customer Approval		S IS NOT AN INVO	an a	
Customer Approval	THI	S IS NOT AN INVO	an a	a Printer,
	THI	S IS NOT AN INVO	DICE!	a Printer,
	THI	S IS NOT AN INVO	DICE!	a Printer,
	THI	S IS NOT AN INVO	DICE!	a Printer,

Customer: BTA OIL PRODUCERS Customer #: Ticket #: 700-1690087 Bid #: OGU J9A000L31 Date: Did #20205 Generator #: Permian Basin Off: 23028 Manif Est#: HW-734986 HW-734986 Manif Date: UBI Ser. #: 20207L Well Name: Value Swy D4 Well Ser. #: 20207L Well Ser. #: Did Ser. #: 20207L Well Ser. #: Did Ser. #: Off: 035 Promian Basin Differ SERGIO Field #: Off: 035 Product//Service Card # Do Field #: County LEA (NM) Facility: CRI Differ 20.00 yards Service Ser	vived by OCD: 4/23/2025 9:34.	:56 AM		Page 277 of 3
Product//Service Quantity-Units Contaminated Soil (RCRA Exempt) 20.00 yards Generator. Certification. Statement of Waste Status 1 Ihereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt was	SOLUTIONS	Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734986 Manif. Date: 2/18/2025 Hauler: SP Transport Driver SERGIO Truck # 100 Card #	Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig:	O6UJ9A000L31 2/18/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING
Contaminated Soil (RCRA Exempt) 20.00 yards Generator. Certification. Statement of Waste Status Inereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt was _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver//Agent_Signature R360 Representative Signature	Facility: CRI			
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt was _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature _ R360 Representative Signature	Product//Service		Quantity Units	All States and Street
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt was _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/Agent Signature _ R360 Representative Signature _ Customer/Approval.	Contaminated Soil (RCRA E	xempt)	20.00 yards	
Approved By: Date:	_ RCRA Non-Exempt: Oil fiel characteristics established in RCI amended. The following docume _ MSDS Information _ RC Driver/Agent Signature	d waste which is non-hazardous that does not RA regulations, 40 CFR 261.21-261.24 or liste entation is attached to demonstrate the above RA Hazardous Waste Analysis Process R360 Repre	t exceed the minimum standard ed hazardous waste as defined described waste is non-hazard Knowledge Other (Prov esentative Signature INVOICE!	ds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items): ide description above)

t6UJ9A0265PT

2/18/2025 8:54:05AM

1	4:56 AM			
PERMITAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card #	RAY RAMOS 23028 HW-734841	Well #: Field: Field #: Rig:	20207L VACUUM SWD H 035 NON-DRILLING
	Job Ref #		County	LEA (NM)
Facility: CRI				
Product / Service		Quant	ity Units	
Contaminated Soil (RCRA E	xempt)	2	0.00 yards	
1988 regulatory determination, th X RCRA Exempt: Oil Field was	e above described wa stes generated from oi	ste is: I and gas exploration and produ	ction operations and	
1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume MSDS Information _ RC	e above described wa stes generated from oi d waste which is non-I RA regulations, 40 CF entation is attached to	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described	ction operations and he minimum standar ous waste as defined d waste is non-hazaro ge Other (Prov	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume MSDS Information _ RC	e above described wa stes generated from oi d waste which is non-I RA regulations, 40 CF entation is attached to	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled	ction operations and he minimum standar ous waste as defined d waste is non-hazaro ge Other (Prov	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume MSDS Information _ RC Driver/ Agent Signature	e above described wa stes generated from oi d waste which is non-I RA regulations, 40 CF entation is attached to	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled	ction operations and he minimum standar ous waste as defined d waste is non-hazaro ge Other (Prov	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume MSDS Information _ RC Driver/ Agent Signature	te above described wa stes generated from oi d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled	ction operations and he minimum standard ous waste as defined d waste is non-hazard ge Other (Prov ve Signature	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
1988 regulatory determination, th X RCRA Exempt: Oil Field wa: _ RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume _ MSDS Information _ RC Driver/ Agent Signature Customer Approval	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard ge Other (Prov ve Signature	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
1988 regulatory determination, th X RCRA Exempt: Oil Field wa: _ RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume _ MSDS Information _ RC Driver/ Agent Signature Customer Approval	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard geOther (Prov ve Signature OICE!	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
1988 regulatory determination, th X RCRA Exempt: Oil Field wa: _ RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume _ MSDS Information _ RC Driver/ Agent Signature Customer Approval	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard geOther (Prov ve Signature OICE!	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
1988 regulatory determination, th X RCRA Exempt: Oil Field was RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard geOther (Prov ve Signature OICE!	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
1988 regulatory determination, th X RCRA Exempt: Oil Field wa: _ RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume _ MSDS Information _ RC Driver/ Agent Signature Customer Approval	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard geOther (Prov ve Signature OICE!	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)
1988 regulatory determination, th X RCRA Exempt: Oil Field wa: RCRA Non-Exempt: Oil field characteristics established in RCH amended. The following docume MSDS Information RC Driver/ Agent Signature Customer Approval	te above described wa stes generated from of d waste which is non-I RA regulations, 40 CF entation is attached to RA Hazardous Waste	ste is: I and gas exploration and produ- nazardous that does not exceed t R 261.21-261.24 or listed hazard demonstrate the above-described Analysis Process Knowled R360 Representation	ction operations and he minimum standard ous waste as defined d waste is non-hazard geOther (Prov ve Signature OICE!	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items): vide description above)

16. L.19. 265VU

Released to Imaging: 5/1/2025 11:46:21 AM

2/18/2025 12:06:53PM

<u>eceived by OCD: 4/23/2025 9:34:56 A</u>	M		Page 279 of 39 .
	Customer: S. BTA OIL PRODU	JCERS Ticket #	700-1690316
	Customer #: CRI1630	Bid #:	O6UJ9A000L31
	Ordered by: RAY RAMOS	Date:	2/18/2025
	AFE #:	Generator:	BTA OIL PRODUCERS
	PO #:	Generator #:	
ENVIRONMENTAL	Manifest #: HW-734844	Well Ser. #:	202071
SOLUTIONS			VACUUM SWD H
3020110103	Manif. Date: 2/18/2025		
Permian Basin	Hauler: SP Transport	Well #:	035
	Driver SERGIO	Field:	
	Truck # 100	Field #:	
	Card #	Rig:	NON-DRILLING
	Job Ref #	County	LEA (NM)
Essilibut CB1			
Facility: CRI Product / Service	Fell Mars	Ourseller Helfe	
Contaminated Soil (RCRA Exem	And a second	Quantity Units	
		-	
Generator Certification Statemer			and the second sec
I hereby certify that according to the R		Act (RURA) and the US Enviro	nmental Protection Agency's July
1988 regulatory determination, the abo		1 1	
X RCRA Exempt: Oil Field wastes g			
_ RCRA Non-Exempt: Oil field was			
characteristics established in RCRA re			
amended. The following documentation			
MSDS InformationRCRA H	lazardous Waste Analysis _ Proc	ess Knowledge Other (Prov	ide description above)
PLATER PLATER AND THE	D 200 Da		227 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Driver/ Agent Signature	R360 Re	presentative Signature	
			25
			X-
Customer Approval	And a state of the		
	Selection and a selection of the selecti		CITERENT IN THE REPORT OF A DESCRIPTION OF A
	THIS IS NOT A	N INVOICE!	
Approved By:		Date:	
			1
			1
			1
			,L
			1
t6UJ9A026635			
			2/18/2025 3.17.46PM
10039A020033			2/18/2025 3:17:46PM
leased to Imaging: 5/1/2025 11:46:2	1 AM		2/18/2025 3:17:46PM

eived by OCD: 4/23/2025 9:34.	:56 AM			Pag	e 280 of 39
RBB60 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-734099	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well %: Field: Field #: Rig: County		S
Facility: CRI					
Product / Service		Quant	ity Units		ara J Mias and
Contaminated Soil (RCRA E		alles and a second s	0.00 yards	and an and the second	
8.12 www. 6.1.70		tus and shake			
mended. The following docume	entation is attached to o CRA Hazardous Waste	R 261.21-261.24 or listed hazardo demonstrate the above-described Analysis _ Process Knowled	l waste is non-hazard ge Other (Prov	lous. (Check the appropri	
ustomer Approval		S IS NOT AN INVO			<u></u>
Approved By:		Date:			
		~			

t6UJ9A0265QC

K

ceived by OCD: 4/23/2025 9:34	:56 AM			Page 281 of 39
RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #:	RAY RAMOS 23028 HW-713532	Ticket #: Bid #: Date: Generator: Generator #: Well Ser, #: Well Name: Well #: *Field: Field #: Rig: County	700-1690276 O6UJ9A000L31 2/18/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quantity	Units	
Contaminated Soil (RCRA E	ixempt)	20.	00 yards	
RCRA Non-Exempt: Oil fiel characteristics established in RC amended. The following docume MSDS Information RC	d waste which is non-l RA regulations, 40 CF entation is attached to	nazardous that does not exceed the R 261.21-261.24 or listed hazardou demonstrate the above-described v Analysis Process Knowledge	minimum standard s waste as defined vaste is non-hazard Other (Prov	in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Driver/ Agent Signature	i			
Customer Approval	THIS	S IS NOT AN INVO		
Approved By:		Date:		
		7. m . 1		
				1
t6UJ9A02660Q				2/18/2025 2:20:33PM

K

eived by OCD: 4/23/2025 9:34	4:56 AM		Page 282 of 39
Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-735077 Manif. Date: 2/18/2025 Hauler: SP Transport Driver HECTOR Truck # 03 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Well Ser. #: Well Namè: Well Namè: Well #: Field: Field #: Rig: County	
Facility: CRI			
Product / Service	Quan	tity Units	
Contaminated Soil (RCRA I	Exempt)	20.00 yards	
1988 regulatory determination, t <u>X</u> RCRA Exempt: Oil Field w <u>RCRA Non-Exempt: Oil fie</u> characteristics established in RC amended. The following docum	astes generated from oil and gas exploration and produced waste which is non-hazardous that does not exceed CRA regulations, 40 CFR 261.21-261.24 or listed hazard tentation is attached to demonstrate the above-described to dem	uction operations and the minimum standar dous waste as defined ed waste is non-hazard	are not mixed with non-exempt wasted ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
MSDS Information R	CRA Hazardous Waste Analysis _ Process Knowle		vide description above)
1		C Z	
Customer Approval			
×	THIS IS NOT AN INV	OICE!	
Approved By:	Date:		
			1
			Ĩ
			1
			Ļ
			0/40/0005 44.44.44.44
t6UJ9A0265UT			2/18/2025 11:41:41AM

.....

Received by OCD: 4/23/2025 9:34:56 A	M		Page 283 of 392
Rascon ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: * BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734098 Manif. Date: 2/18/2025 Hauler: SP Transport Driver HECTOR Truck # 03 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI			
Product / Service	Quantit	VUnits	÷
Contaminated Soil (RCRA Exem)		.00 yards	<u><u></u></u>
1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA reg amended. The following documentation	esource Conservation and Recovery Act (RCRA) ve described waste is: enerated from oil and gas exploration and product te which is non-hazardous that does not exceed the gulations, 40 CFR 261.21-261.24 or listed hazardou on is attached to demonstrate the above-described azardous Waste Analysis Process Knowledg	tion operations and e minimum standar us waste as defined waste is non-hazard	are not mixed with non-exempt wasteds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Dr iv en Agent Sig nature	R360 Representative	a Signature	<u> </u>
Customer Approval		2 332 - 23	
	THIS IS NOT AN INVO	ICE!	
Approved By:	Date:		
			16

t6UJ9A0265QK

2/18/2025 9:13:45AM

Customer #: (Ordered by: FE #: O #: 2 Manifest #: Manif. Date: 2 Manif. Date: 2 Ma	RAY RAMOS 23028 HW-735078 2/18/2025 SP Transport HECTOR	Well Ser. #: Well Name: Well #: Field:	20207L			
NOTEONMENTAL SOLUTIONSPO #: Manifest #:23028 HW-735078 Manif. Date:Generator #: Vell Ser. #:20207L VACUUM SWD H Well Name:Po #: Manifest #:2/18/2025 Hauler:Well Name:VACUUM SWD H 035						
9 17 - U	Quantit	y Units				
	20.	00 yards				
ations, 40 CFR attached to de	261.21-261.24 or listed hazardou emonstrate the above-described	is waste as defined waste is non-hazaro	in 40 CFR, part 26 I, subpart D, as dous. (Check the appropriate items):			
	R360 Representative	Signature				
			M.			
THIS	IS NOT AN INVO	ICE!				
	Date:					
	urce Conservat lescribed waster rated from oil a chich is non-ha tions, 40 CFR attached to de rdous Waste A	20. f Waste Status urce Conservation and Recovery Act (RCRA) a lescribed waste is: rated from oil and gas exploration and product thich is non-hazardous that does not exceed the tions, 40 CFR 261.21-261.24 or listed hazardou attached to demonstrate the above-described waste rdous Waste Analysis Process Knowledge R360 Representative THIS IS NOT AN INVO	20.00 yards f Waste Status urce Conservation and Recovery Act (RCRA) and the US Environescribed waste is: rated from oil and gas exploration and production operations and hich is non-hazardous that does not exceed the minimum standard tions, 40 CFR 261.21-261.24 or listed hazardous waste as defined attached to demonstrate the above-described waste is non-hazardous Waste Analysis Process Knowledge Other (Prov R360 Representative Signature THIS IS NOT AN INVOICE!			

2/18/2025 3.27:08FL1

Received by OCD: 4/23/2025 9:34:56 A	<u>M</u>				Page 285	of 392
RS600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRO Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734100 Manif. Date: 2/18/2025 Hauler: SP Transport Driver LUIS Truck # 18 Card # Job Ref #	i -e (35)	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	20207L	000L31 5 PRODUCERS /I SWD H	
Facility: CRI						
Product / Service		Quantity	Units 🖉 🕅	word with		
Contaminated Soil (RCRA Exem)	pt)	20.0	0 yards			
Generator Certification Statemer	t of Waste Status		Market State		die e	
X RCRA Exempt: Oil Field wastes g _ RCRA Non-Exempt: Oil field waster characteristics established in RCRA re- amended. The following documentation _ MSDS Information _ RCRA H Driver/Agent Signature	te which is non-hazardous that degulations, 40 CFR 261.21-261.24 on is attached to demonstrate the lazardous Waste Analysis _ P	oes not exceed the r or listed hazardous above-described wa	minimum standard waste as defined aste is non-hazard Other (Prov	ds for wast in 40 CFR lous. (Chec	e hazardous by , part 261, subpart D, k the appropriate iter	as
			6	27		
Customer Approval		1	entra i	NUL OF T	and the second second	
	THIS IS NOT	AN INVOI	CE!			
Approved By:		Date:				
						ſ
						1
t6UJ9A0265PU				2/	18/2025 8:53:52AM	N
Released to Imaging: 5/1/2025 11:46:2 .	1 AM					

eived by OCD: 4/23/2025 9:34:	56 AM			Page 286 of 39.
ENVIRONMENTAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #: Manif. Date: Hauler:	RAY RAMOS 23028 HW-734987	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product // Service		Quant	ity Units	
Contaminated Soil (RCRA E	xempt)	2	0.00 yards	
characteristics established in RCF	RA regulations, 40 CFF entation is attached to c RA Hazardous Waste	lemonstrate the above-described	ous waste as defined d waste is non-hazard lge Other (Prov	in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Customer Approval		t i ta	S	
	THIS	S IS NOT AN INVO	DICE!	
Approved By:		Date:		
	18			
				1
1				

t6UJ9A0265UQ

K

2/18/2025 11:39:05AM

				Page 287 of
EMAGRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735069	Ticket #. Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quant	tity Units	
			0.00 yards	
Generator Certification Stater				
Driver/ Agent Signature		R360 Representativ	ve Signature	
Customer Approval				
Customer Approval	THIS	S IS NOT AN INV	OICE!	K
Customer Approval Approved By:			OICE!	N.

LIJEAC26636

2/18/2025 3.17:51PM

ived by OCD: 4/23/2025 9:34:5	6 AM			Page 28	8 of
RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL P Customer #: CRI1630 Ordered by: RAY RAMO AFE #: PO #: 23028 Manifest #: HW-73512 Manif. Date: 2/18/2025 Hauler: SP Transp Driver YANIEL Truck # 105 Card # Job Ref #	6	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	20207L	
Facility: CRI					
Product//Service		Quantit	ty Units		ц.f.
Contaminated Soil (RCRA E	kempt)	20	.00 yards		
Generator Certification State	ment of Waste Status		1. The Contractory 1		.10
	the Resource Conservation and Re				1
		covery Act (RCRA)	and the US Enviro	inmental Protection Agency's Ju	iy
1988 regulatory determination, th					
	stes generated from oil and gas exp				was
	d waste which is non-hazardous that				
	RA regulations, 40 CFR 261.21-261.				
	ntation is attached to demonstrate t				ms)
MSDS InformationRC	RA Hazardous Waste Analysis _	Process Knowledg	e _ Other (Prov	vide description above)	
					· (1)
Driver/ Agent Signature	R3	60 Representative	e Signature		*(1)
		6	An O		
			ove		
Customer Approval	The state of the state	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MARK ME		
	THIS IS NO	T AN INVO	ICE!		
Approved By:		Date:			

t6UJ9A0265OY

2/18/2025 8:37:42AM

4

ived by OCD: 4/23/2025 9:34:50	6 AM		Page 289 oj
RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-735062 Manif. Date: 2/18/2025 Hauler: SP Transport Driver YANIEL Truck # 105 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI			
Product / Service	Quanti	ty Units	States -
Contaminated Soil (RCRA Ex	kempt) 20	0.00 yards	
amended. The following documen	A regulations, 40 CFR 261.21-261.24 or listed hazardo ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg	waste is non-hazard	lous. (Check the appropriate items)
amended. The following documen MSDS InformationRCR Driver/ Agent Signature	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS Information RCR Driver/ Agent Signature Customer/Approval	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)
amended. The following documen MSDS InformationRCR Driver/ Agent Signature	ntation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledg R360 Representative THIS IS NOT AN INVO	waste is non-hazard ge Other (Prov e Signature	lous. (Check the appropriate items) ide description above)

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

2/18/2025 11:59:14AM

RBBBBB ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS` 23028 HW-735175	*	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI					
Product / Service		Q	iantity U	Inits	
Contaminated Soil (RCRA Exemp	t)		20.00	yards	
I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA Ha Driver/Agent Signature	e described was nerated from oi e which is non-h ulations, 40 CFI n is attached to o uzardous Waste	ste is: I and gas exploration and pr nazardous that does not exce R 261.21-261.24 or listed ha demonstrate the above-desc	CRA) and coduction ced the mi zardous w ribed was wledge	the US Environ operations and nimum standard vaste as defined te is non-hazard Other (Prov.	are not mixed with non-exempt waste ds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Customer Approval		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	li 		
	тнія	S IS NOT AN IN	VOIC	:E!	
Approved By:		Da	:e:		

Released to Imaging: 5/1/2025 11:46:21 AM

t6UJ9A0265VJ

Received by OCD: 4/23/2025 9:34:56 AM

Page 291 of 392

R360	NE	W MEXICO NON-HAZARDO		ASTE MANIFE		Nam	pany Man Co ie	Same
SOLUTIONS		PENE	RATOR			Phor	- 735	
enerator Manifest # ienerator Name .ddress ity, State, Zip hone No.			Location of Orig Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.		; ++		21- ¹	
Dil Based Muds		Service Identification and Amount NONEN JECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inje Produced Water (Non-Injectable) Sathering Line Water/Waste (Non-Inj NTERNAL USE ONLY	ectable)	TOP/St	R'EXENAP Oly secal	fictubic varids). REAR WASTER	TREAMS	
Gas Plant Waste		Fruck Washout (exempt waste)			NTITY		TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION		DUCTION		GATHERING L	INES	
Alknor Non-Exempt Other	exampt E&P waste	NON-EXEMPLE&P Waste/S must be analysed and be below three	shold kinds to kick to kick	nd Athoune y (TCIP): ignitability se select from Non	JOCTOSIV	Rylaon Heactivit		- Falthan
DISPOSAL QUANTITY		B - BARRELS	L - LIQUID	Y	- YARDS		E - E	ACH
	MSDS Information Emergency non-haz determination and a	ardous, non-oilfield waste that has be a description of the waste must accor	een ordered by the De mpany this form)	partment of Public S	Safety (th	e order, documer	ntation of non-l	nazardous waste
(PRINT) AUTHORIZED A	GENTS SIGNATURE		DATE		_	SIGNATURE		
ransporter's	RUS 1	IRANS	PORTER					
hone No.			Driver's Name Print Name				- 1-1-1	
ansporter Ticket #			Print Name Phone No. Truck No.			in the		
ransporter Ticket #			Print Name Phone No. Truck No.					
ransporter Ticket #	terial(s) was/were pi	icked up at the Generator's site listed	Print Name Phone No. Truck No. above and delivered	without incident to t		al facility listed	below.	* /
ransporter Ticket # hereby certify that the above named mat	terial(s) was/were pi DRIVI	icked up at the Generator's site listed	Print Name Phone No. Truck No. above and delivered	without incident to t	the dispos	al facility listed	below.	 2 C
ransporter Ticket # hereby certify that the above named mate SHIPMENT DATE TRUCK TIME STA IN:OUT:OUT: ite Name/ ermit No. ddress NORM READINGS	terial(s) was/were pi DRIV MP ility / NM1-006 US 62 / 180 Mile Mi TAKEN? (Circle Or	ER'S SIGNATURE ER'S SIGNATURE DISPOSA DISPOSA arker 66 Carlsbad, NM 88220 ne) YES NO	Print Name Phone No. Truck No. above and delivered of DELIVERY DELIVERY Phone No.	without incident to t	the disposed of the disposed o	al facility listed DRIVER'S RECEIVING	below.	NO
ansporter Ticket # hereby certify that the above named mate SHIPMENT DATE TRUCK TIME STA IN:OUT: ite Name/ ermit No. ddress <u>6601 Hobbs Hwy</u>	terial(s) was/were pi DRIV MP ility / NM1-006 US 62 / 180 Mile Mi TAKEN? (Circle Or	ER'S SIGNATURE ER'S SIGNATURE DISPOSA DISPOSA arker 66 Carlsbad, NM 88220 ne) YES NO	Print Name Phone No. Truck No. above and delivered of DEUVERY ILEAGILIETY Phone No. If YES, was rea	without incident to t	the disposed of the disposed o	al facility listed DRIVER'S RECEIVING	below. signature AREA	NO
ransporter Ticket # hereby certify that the above named mate SHIPMENT DATE TRUCK TIME STA IN:OUT: 	terial(s) was/were pi DRIV MP ility / NM1-006 US 62 / 180 Mile Mi TAKEN? (Circle Or	cked up at the Generator's site listed ER'S SIGNATURE DISPOSA enker 66 Carlsbad, NM 88220 ne) YES NO ne) YES NO	Print Name Phone No. Truck No. above and delivered of DEUVERY ILEAGILIETY Phone No. If YES, was rea	without incident to t	/No 368 eentgents	al facility listed DRIVER'S RECEIVING	below. signature AREA	
ransporter Ticket #	terial(s) was/were pi DRIVI MP ility / NM1-006 US 62 / 180 Mile Ma TAKEN? (Circle Or R TEST? (Circle Or	cked up at the Generator's site listed ER'S SIGNATURE DISPOSA erker 66 Carlsbad, NM 88220 ne) YES NO YES NO TANK B Inches	Print Name Phone No. Truck No. above and delivered of DEUVERY ILEAGILIETY Phone No. If YES, was rea	without incident to t DATE S75-392-63 ding > 50 micro ro S&W/BBLS Receiv Free Wa Total Receiv If denied, why?	the disposed of the disposed o	al facility listed DRIVER'S RECEIVING s? (Circle One)	below. signature AREA YES	

SOLUTIONS Manif. Date: 2/19/2025 Well Name: VACUUM SWD H Permian Basin Hauler: SP Transport Well #: 035 Driver LALO Field: Driver LALO Field: Driver LALO Field: Driver LALO Field: Driver LALO Field #: Card # Rig: NON-DRILLING Job Ref # County LEA (NM) Facility: CRI 20.00 yards Generator Certification Statement of Waste Status 20.00 yards I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by Characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as anended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature MMM <th>Received by OCD: 4/23/2025 9:34:</th> <th>56 AM</th> <th></th> <th></th> <th></th> <th>- Page 292 of .</th>	Received by OCD: 4/23/2025 9:34:	56 AM				- Page 292 of .
Product / Service Quantity Units Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status Increase of the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste characteristics established in RCRA regulations, 40 CFR 261,21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature Customer Approval THIS IS NOT AN INVOICE!	RBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card #	CRI1630 RAY RAMOS 23028 HW-730421 2/19/2025 SP Transport LALO	Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig:	O6UJ9A000L31 2/19/2025 BTA OIL PRODUCEI 20207L VACUUM SWD H 035 NON-DRILLING	RS
Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste a RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature Customer Approval Customer Approval	Facility: CRI					
Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste arRCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature Customer Approval THIS IS NOT AN INVOICE!	Product / Service		Qua	ntity Units		
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature Customer Approval THIS IS NOT AN INVOICE!	Contaminated Soil (RCRA Exem	pt)		20.00 yards		
THIS IS NOT AN INVOICE!	characteristics established in RCRA re amended. The following documentation	egulations, 40 CF on is attached to	R 261.21-261.24 or listed haza demonstrate the above-descril e Analysis Process Know	rdous waste as defined bed waste is non-hazar ledge Other (Prov	in 40 CFR, part 261, su dous. (Check the approp	bpart D, as
	Customer Approval			h		
Approved By: Date:		TH	S IS NOT AN IN	OICE!		
	Approved By:		Date	01		

Released to Imaging: 5/1/2025 11:46:21 AM

	Sand States and States		
R360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCE Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734752 Manif. Date: 2/19/2025 Hauler: SP Transport Driver LALO Truck # 01 Card # Job Ref #	Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig:	
Facility: CRI		County	
Product / Service		Quantity Units	
Contaminated Soil (RCRA E		20.00 yards	
MSDS Information _ RCH Criver/ Agent Signature Customer Approval	ntation is attached to demonstrate the above-des RA Hazardous Waste Analysis Process Kno R360 Represe	owledge Other (Provident	e description above)
Sustomer Approva		WOICEI	
	THIS IS NOT AN IN	VUICE!	
Approved By:	De	ite:	
Approved By:	De		

SANTER CORV

R360				ELD WASTE MAN	IIFES I		ompany Man (
SELUTIONS		(P	LEASE PRINT)	*REQUIRED I	NFORMATIO	N*	ame \underline{ka}	1 Pana 313 12
mereter Meridant #		GE	NERATOR			Contraction of the	No. of Concession, Name	38538
enerator Manifest #	R - n		Location	n of Origin Vell				
ddress	514		Name & County	No.	Jaca	int	5Wt	5 35 1
ty, State, Zip			API No. Rig Nam AFE/PO	No	ENC	27	3028	
I Based Muds	EMPT E&P Waste/	Service Identification and Am	nount (place volur	ne next to waste typ	e in barrels or	cubic vards	sl	
I Based Cuttings /ater Based Muds /ater Based Cuttings oduced Formation Solids Ink Bottoms 3P Contaminated Soil		NON-INJECTABLE WATERS Washout Water (Non-Injectable Completion Fluid/Flow Back (No Produced Water (Non-Injectable Sathering Line Water/Waste (No INTERNAL USE ONLY) n-Injectable)		THER EXEMPT E BC	&P WASTE	STREAMS	KIP
as Piant Waste		Truck Washout (exempt waste)	YES			TE SALES	TOP SOIL	CALICHE
ASTE GENERATION PROCESS:	DRILLING	C COMPLETION	And a local division of the local division o	PRODUCTION	G	ATHERING	LINES	
All no	on-exempt E&P waste	NON-EXEMPT E&P Wat must be analysed and be below	threshold limits for	toxicity (TCLP), Ignitab	ility, Corrosivity a	adn Reactivi	ity.	
SPOSAL QUANTITY				*please select from l	Ion-Exempt W	aste List or	n back	
		B - BARRELS	L - LIQUID		Y - YARDS	90	E.E	ACH
ereby certify that the above listed ma kaged, and is in proper condition for RCRA EXEMPT. RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-haza	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app	tion and production t exceed the minimi defined by 40 CFR, ropriate items as pr CRA Hazardous Was as been ordered by	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis	nixed with non-e hazardous by ch amended. The fo	xempt waste paracteristics offowing doc Other (Prov	e (R360 Accept) s established in cumentation dei	s certifications on RCRA regulations monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a	erated from oil and gas explorat h is non-hazardous that does no 24, or listed hazardous waste as dous is attached. (Check the app RC ardous, non-oilfield waste that h description of the waste must a	tion and production t exceed the minimi defined by 40 CFR, propriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ n)	hixed with non-e hazardous by ch amended The fo ic Safety (the ord	xempt waste paracteristics offowing doc Other (Prov	e (R360 Accept) s established in cumentation dei	s certifications on RCRA regulations monstrating the
RCRA EXEMPT RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-haza determination and a	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN	tion and production t exceed the minimi defined by 40 CFR, roppriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE NSPORTER	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ n)	hixed with non-e hazardous by ch amended The fo ic Safety (the ord	xempt waste aracteristics ollowing doc Other (Prov der, documen	e (R360 Accept) s established in cumentation dei	s certifications on RCRA regulations monstrating the
RCRA EXEMPT: RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED.	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN	tion and production t exceed the minimi defined by 40 CFR, ropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE NSPORTEE Driver's N	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public)	hixed with non-e hazardous by ch amended The fo ic Safety (the ord	xempt waste aracteristics ollowing doc Other (Prov der, documen	e (R360 Accept) s established in cumentation dei	s certifications on RCRA regulations monstrating the
RCRA EXEMPT RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD IPRINT) AUTHORIZED ISporter's The Iress The Ires The Iress The Ires The Ire	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-haza determination and a	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN	tion and production t exceed the minimi defined by 40 CFR, roppriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE NSPORTER	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public) ame e	Hixed with non-e hazardous by ch amended The fo ic Safety (the ord SiG	xempt waste aracteristics ollowing doc Other (Prov der, documen	e (R360 Accept) s established in cumentation dei	s certifications on RCRA regulations monstrating the
RCRA EXEMPT RCRA NON-EXEMPT: RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD IPRINT) AUTHORIZED INSPORTER'S RE Insporter's RE Insporter's RE Insporter Ticket #	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-haza determination and a AGENTS SIGNATURE	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE DATE DATE DATE DATE DATE DATE DATE	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public the Department of Public ame	ixed with non-e hazardous by ch amended The fo ic Safety (the ord Sig 20 20 20 20 20 20 20 20 20 20 20 20 20	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accept s established in cumentation der vide Description intation of non-h	s certifications on RCRA regulations monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE DATE DATE Driver's N Print Nam Phone No Truck No. sted above and defin	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ)) ame e vered without incident 1 19 - 2 5	ixed with non-e hazardous by ch amended The fo ic Safety (the ord Sig 20 20 20 20 20 20 20 20 20 20 20 20 20	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accept s established in cumentation der vide Description intation of non-h	s certifications on RCRA regulations monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 : waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN Ked up at the Generator's site lis as SIGNATURE	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE NSPORTEE Driver's N Print Nam Phone No Truck No. Sted above and defin DE	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ b) ame e vered without incident in 19 - 2 5	Inixed with non-e hazardous by ch amended The fo ic Safety (the ord sig 206 4 206 4 0 the disposal fa	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h intation of non-h below below	s certifications on RCRA regulations monstrating the
RCRA EXEMPT RCRA NON-EXEMPT: RCRA NON-EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: RCRA NON-EXEMPT: RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: RCRA EXEMPT: RCRE EXEMPT: RCRA EXEMPT: RCRA EXEMP	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC sterial(s) was/were pic DRIVEL	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN Ked up at the Generator's site lis as SIGNATURE	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE DATE DATE Driver's N Print Nam Phone No Truck No. sted above and defin	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public the Department of Public ame e vered without incident t 19 - 2 5 UVERY DATE	Inixed with non-e hazardous by ch amended The fo ic Safety (the ord sig 206 4 206 4 0 the disposal fa	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h intation of non-h below below	s certifications on RCRA regulation: monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC Iterial(s) was/were pic DRIVEL	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN Ked up at the Generator's site lis as SIGNATURE	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE NSPORTEE Driver's N Print Nam Phone No Truck No. Sted above and defin DE	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public the Department of Public ame e vered without incident t 19 - 2 5 UVERY DATE	IIXEd with non-e hazardous by ch amended The fo ic Safety (the ord sto sto 206 4 0 the disposal fa RE ne/No.	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h intation of non-h below below	s certifications on RCRA regulations monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC AGENTS SIGNATURE TYAN S PC DRIVEL MP	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN ked up at the Generator's site lis as SIGNATURE DISPOS ker 66 Carlsbad, NM 88220 e) YES NO	tion and production t exceed the minim defined by 40 CFR, ropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE VSPORTER DATE VSPORTER Driver's N Print Nam Phone No Sted above and delin DE SAL FACILLI Phone No.	operation and are not m um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public the Department of Public	Inixed with non-e hazardous by ch amended The for ic Safety (the ord sig 206 4 206 4 0 the disposal fa RE ne/No 6368	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h below below AREA	s certifications on RCRA regulation: monstrating the
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC AGENTS SIGNATURE TYAN S PC DRIVEL MP	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN ked up at the Generator's site lis as signature bissed biss	tion and production t exceed the minim defined by 40 CFR, ropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE VSPORTER DATE VSPORTER Driver's N Print Nam Phone No Sted above and delin DE SAL FACILLI Phone No.	operation and are not m um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public the Department of Public	Inixed with non-e hazardous by ch amended The for ic Safety (the ord sig 206 4 206 4 0 the disposal fa RE ne/No 6368	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h below below AREA	s certifications on RCRA regulations monstrating the monstrating the head of the second secon
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC AGENTS SIGNATURE TYAN S PC DRIVEL MP	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN ked up at the Generator's site lis as SIGNATURE DISPOS ker 66 Carlsbad, NM 88220 e) YES NO	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE VSPORTER Driver's N Print Nam Phone No Sted above and delin DE SAL FACILI Phone No. If YES, wa	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ o un e urered without incident i un fy ivery Date TY Nam 575-392 s reading > 50 micro BS&W/BBLS Rece	Inixed with non-e hazardous by ch amended The for ic Safety (the ord sig 206 4 206 4 0 the disposal fa RE RE ne/No 6368 roentgents? (C	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accepts s established in cumentation der vide Description intation of non-h below below AREA	s certifications on RCRA regulations monstrating the monstrating the head of the second secon
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC AGENTS SIGNATURE TYAN S PC DRIVEL MP	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN ked up at the Generator's site lis as signature bissed biss	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE VSPORTER Driver's N Print Nam Phone No Sted above and delin DE SAL FACILI Phone No. If YES, wa	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Public ame e vered without incident 1 <u>19 - 2</u> IVERY DATE TY Nam <u>575-392</u> s reading > 50 micro	Inixed with non-e hazardous by ch amended The for ic Safety (the ord sig 206 4 206 4 0 the disposal fa RE RE ne/No 6368 roentgents? (C	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accept: s established in cumentation der vide Description intation of non-h below below AREA YES	s certifications on RCRA regulations monstrating the monstrating the head of the second secon
	Oil field wastes ger per load basis only) Oil field waste whic 40 CFR 261 21-261 waste as non-hazar MSDS Information Emergency non-hazar determination and a AGENTS SIGNATURE TYAN S PC Transport therial(s) was/were pic DRIVEL MP	erated from oil and gas explorat h is non-hazardous that does no 24. or listed hazardous waste as dous is attached. (Check the app ardous, non-oilfield waste that h description of the waste must a TRAN ked up at the Generator's site lis as SiGNATURE DISPOS ker 66 Carlsbad, NM 88220 b) YES NO yes YES NO TANK inches	tion and production t exceed the minimi defined by 40 CFR, iropriate items as pr CRA Hazardous Was as been ordered by accompany this form DATE VSPORTER Driver's N Print Nam Phone No Sted above and delin DE SAL FACILI Phone No. If YES, wa	operation and are not n um standards for waste part 261, subpart D, as ovided) ste Analysis the Department of Publ o un e e vered without incident i UP - 2 S UVERY DATE TY Nam 575-392 s reading > 50 micro BS&W/BBLS Recc Free V	ixed with non-e hazardous by ch amended The fo ic Safety (the ord sig 206 44 o the disposal fa ne/No 6368 roentgents? (C	xempt waste haracteristics ollowing doc Other (Prov der, document NATURE	e (R360 Accept: s established in cumentation der vide Description intation of non-h below below AREA YES	s certifications on RCRA regulations monstrating the monstrating the heldw) hazardous waste

Received by OCD: 4/23/2025 9:34:	56 AM			P	age 295 of 39
RB3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CF Ordered by: RA AFE #: PO #: 23 Manifest #: HV Manif. Date: 2/1 Hauler: SP	Y RAMOS 028 V-734882 9/2025 Transport SUS	Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		,
Facility: CRI					CARACTER ST
Product / Service		Qua	Intity Units		
Contaminated Soil (RCRA Exe	empt)		20.00 yards		
characteristics established in RCRA amended. The following document MSDS InformationRCR. Driver/ Agent Signature	A Hazardous Waste An	alysis Process Know R360 Representa	_		
Customer Approval	THIS	S NOT AN IN	VOICE!		
Approved By:		Date	e:		
Approved Dy					
				2/19/2025 8:46:2	26AM
16UJ9A0266KE				JUNINFUNE	

eived by OCD: 4/23/2025 9:34.	30 AM	Page 296 o
RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: RB375197 Manif. Date: 2/19/2025 Hauler: SP Transport Driver JEB Truck # 102 Card # Job Ref #	Ticket #:700-1690797Bid #:O6UJ9A000L31Date:2/19/2025Generator:BTA OIL PRODUCERSGenerator #:Well Ser. #:Well Ser. #:20207LWell Name:VACUUM SWD HWell #:035Field:Field #:Rig:NON-DRILLINGCountyLEA (NM)
Facility: CRI		
Product / Service		
rioduct/ Service	Quanti	
Contaminated Soil (RCRA Ex	20	0.00 yards
Contaminated Soil (RCRA Ex Generator Certification State I hereby certify that according to t 1988 regulatory determination, the X RCRA Exempt: Oil Field wast RCRA Non-Exempt: Oil field characteristics established in RCR. amended. The following document	empt) 20 ment of Waste Status he Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and produc waste which is non-hazardous that does not exceed th A regulations, 40 CFR 261.21-261.24 or listed hazardo tation is attached to due	0.00 yards and the US Environmental Protection Agency's July tion operations and are not mixed with non-exempt was be minimum standards for waste hazardous by bus waste as defined in 40 CFR, part 261, subpart D, as
Contaminated Soil (RCRA Ex Generator Certification State I hereby certify that according to t 1988 regulatory determination, the X RCRA Exempt: Oil Field wast RCRA Non-Exempt: Oil field characteristics established in RCR amended. The following document MSDS Information RCR	empt) 20 ment of Waste Status the Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th A regulations, 40 CFR 261.21-261.24 or listed hazardo tation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	0.00 yards and the US Environmental Protection Agency's July tion operations and are not mixed with non-exempt was be minimum standards for waste hazardous by bus waste as defined in 40 CFR, part 26 l, subpart D, as waste is non-hazardous. (Check the appropriate items): ge Other (Provide description above)
Contaminated Soil (RCRA Ex Generator Certification State I hereby certify that according to t 1988 regulatory determination, the X RCRA Exempt: Oil Field wast RCRA Non-Exempt: Oil field characteristics established in RCR amended. The following document MSDS Information RCR	empt) 20 ment of Waste Status he Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and produc waste which is non-hazardous that does not exceed th A regulations, 40 CFR 261.21-261.24 or listed hazardo tation is attached to due	0.00 yards and the US Environmental Protection Agency's July tion operations and are not mixed with non-exempt was be minimum standards for waste hazardous by bus waste as defined in 40 CFR, part 26 l, subpart D, as waste is non-hazardous. (Check the appropriate items): ge Other (Provide description above)
Contaminated Soil (RCRA Ex Generator Certification State I hereby certify that according to t 1988 regulatory determination, the X RCRA Exempt: Oil Field wast RCRA Non-Exempt: Oil field characteristics established in RCR. amended. The following documen MSDS Information _ RCR	empt) 20 ment of Waste Status the Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th A regulations, 40 CFR 261.21-261.24 or listed hazardo tation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	0.00 yards and the US Environmental Protection Agency's July tion operations and are not mixed with non-exempt was be minimum standards for waste hazardous by bus waste as defined in 40 CFR, part 26 l, subpart D, as waste is non-hazardous. (Check the appropriate items): ge Other (Provide description above)
Contaminated Soil (RCRA Ex Generator Certification State I hereby certify that according to t 1988 regulatory determination, the X RCRA Exempt: Oil Field wast RCRA Non-Exempt: Oil field characteristics established in RCR. amended. The following document	empt) 20 ment of Waste Status the Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th A regulations, 40 CFR 261.21-261.24 or listed hazardo tation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	0.00 yards and the US Environmental Protection Agency's July tion operations and are not mixed with non-exempt was be minimum standards for waste hazardous by bus waste as defined in 40 CFR, part 261, subpart D, as waste is non-hazardous. (Check the appropriate items): ge Other (Provide description above) e Signature

-

Received by OCD: 4/23/2025 9:34:56 AM

ſ

	4:56 AM	and the straps of the second strategy and the second strategy of the	Page 29
RB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: BTA OIL PRODUCERS Customer #: CR:1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734885 Manif. Date: 2/19/2025 Hauler: SP Transport Driver JEB Truck # 102 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI			
	Quanti	ty Units	
Product / Service Contaminated Soil (RCRA Exe Generator Certification Staten hereby certify that according to th	empt) 20 nent of Waste Status e Resource Conservation and Recovery Act (RCRA) above described waste is:	and the US Enviro	
Product / Service Contaminated Soil (RCRA Exe Generator Certification Statem hereby certify that according to th 988 regulatory determination, the a X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste haracteristics established in RCRA mended. The following document	e Resource Conservation and Recovery Act (RCRA)	and the US Environ tion operations and e minimum standard us waste as defined waste is non-hazard	are not mixed with non-exempt was Is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items)
Product / Service Contaminated Soil (RCRA Exe Generator Certification Statem hereby certify that according to th 1988 regulatory determination, the X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste haracteristics established in RCRA mended. The following document MSDS Information _ RCRA	empt) 20 nent of Waste Status e Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product vaste which is non-hazardous that does not exceed th a regulations, 40 CFR 261.21-261.24 or listed hazardo ation is attached to demonstrate the above-described	0.00 yards and the US Environ tion operations and e minimum standard us waste as defined waste is non-hazard ge Other (Provi	are not mixed with non-exempt was Is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items)
Product / Service Contaminated Soil (RCRA Exe Generator Certification Statem I hereby certify that according to th 1988 regulatory determination, the X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste haracteristics established in RCRA mended. The following document MSDS Information _ RCRA	empt) 20 nent of Waste Status e Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th a regulations, 40 CFR 261.21-261.24 or listed hazardo ation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	0.00 yards and the US Environ tion operations and e minimum standard us waste as defined waste is non-hazard ge Other (Provi	are not mixed with non-exempt was Is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items)
Product / Service Contaminated Soil (RCRA Exe Generator Certification Statem I hereby certify that according to th 1988 regulatory determination, the is X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil Field waste haracteristics established in RCRA mended. The following document MSDS Information _ RCRA	empt) 20 nent of Waste Status e Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th a regulations, 40 CFR 261.21-261.24 or listed hazardo ation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	0.00 yards and the US Environ tion operations and e minimum standard us waste as defined waste is non-hazard ge Other (Provi	are not mixed with non-exempt was Is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items)
1988 regulatory determination, the a <u>X</u> RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste characteristics established in RCRA unended. The following document	empt) 20 nent of Waste Status e Resource Conservation and Recovery Act (RCRA) above described waste is: es generated from oil and gas exploration and product waste which is non-hazardous that does not exceed th a regulations, 40 CFR 261.21-261.24 or listed hazardo ation is attached to demonstrate the above-described A Hazardous Waste Analysis Process Knowledg	and the US Environ tion operations and a e minimum standard us waste as defined waste is non-hazard e Other (Provi Signature	are not mixed with non-exempt was Is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items)

16UJ9A0266QO

2/19/2025 12:02:29PM

R360	NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT) *REQUIRED INFORMATION	Phone No. 936-312 13 04
Generator Manifest #	GENERATOR N	10. HW-731593
Generator Name	3 TA Lease/Well Name & No. VACCUM County API No.	54p 35H
City, State, Zip Phone No.	Rig Name & No	25
	T E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic NON-IN JECTABLE WATERS OTHER EXEMPT E&P WA	yards)
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids	NON-INJECTABLE WATERS OTHER EXEMPT E&P WATERS Washout Water (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY Truck Washout (exempt waste) YES NO QUANTITY	TOP SOIL CALICHE
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING COMPLETION PRODUCTION GATHERIN	G LINES
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s packaged, and is in proper condition for transp	NON-EXEMPT E&P Waste/Service Identification and Amount npt E&P waste must be analysed and be below threshold limits for toxicity (TCLP). Ignitability. Corrosivity adn Reactiv *please select from Non-Exempt Waste List or B - BARRELS L - LIQUID 2 Y - YARDS is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propriation according to applicable regulation.	E - EACH Perfy described, classified and
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s packaged, and is in proper condition for transp RCRA EXEMPT: 0il fi RCRA NON-EXEMPT: 0il fi 40 Cl wast	B - BARRELS L - LIQUID / Y-YARDS is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propertiation according to applicable regulation. id wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (I ad basis only) id waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics es 3 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous is attached. (Check the appropriate items as provided) Other (Provide D	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s packaged, and is in proper condition for transp RCRA EXEMPT: Oil fi Per I RCRA NON-EXEMPT: Oil fi 40 CU wastu 	mpt E&P waste must be analysed and be below threshold limits for toxicity (TCLP). Ignitability: Constituty autrited. *please select from Non-Exempt Waste List or B - BARRELS L - LIQUID A: s (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propriation according to applicable regulation. Id wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (I ad basis only) Id waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics es 3 261 21-261 24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous is attached. (Check the appropriate items as provided) Information RCRA Hazardous Waste Analysis Other (Provide D) Other (Provide D) Other (Accumentation) Other (Accumentation) ancy non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation) Other (Accumentation)	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s packaged, and is in proper condition for transp RCRA EXEMPT: Oil fi Per I RCRA NON-EXEMPT: Oil fi 40 CU wastu MSD:	Input E&P waste must be analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constituty autheactive and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for toxicity (TULP). Ignitability: Constitute and the below threshold limits for any applicable state law. That each waste has been propriate items as provided limits form hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous; anon-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation indicion and a description of the waste must accompany this form) NATION DATE	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed materially packaged, and is in proper condition for transp RCRA EXEMPT: Oil fin RCRA NON-EXEMPT: Oil fin RCRA NON-EXEMPT: Oil fin MSD: EMERGENCY NON-OILFIELD Emergent deterr	Inpl E&P waste must be analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analyses analyses and the below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive analyses are below threshold. B - BARRELS L - LIQUID Q (Y - YARDS) Is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propriate wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (I ad basis only) Id wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics ess as 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous is attached. (Check the appropriate items as provided) Information RCRA Hazardous Waste Analysis Other (Provide E and the order, documentation ination and a description of the waste must accompany this form) NATURE DATE SIGNATURE Information Gate SIGNATURE NATURE DATE SIGNATURE Information </td <td>E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)</td>	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s packaged, and is in proper condition for transp RCRA EXEMPT: 0il fn RCRA NON-EXEMPT: 0il fn Q RCRA N	Inpl E&P waste must be analysed and be below threshold limits for toxicity (TULP) Ignitability. Consultly admeasure "please select from Non-Exempt Waste List or "please select from Non-Exempt Waste List or Inplease select from Non-Exempt Waste List or Inplease select from Non-Exempt Waste List or Internation according to applicable regulation. Is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propriation according to applicable regulation. Id wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (I ad basis only) Id waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics es as a defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous is attached. (Check the appropriate items as provided) Information RCRA Hazardous Waste Analysis Other (Provide D ency non-hazardous, non-oilfield waste must accompany this form) NATURE DATE SIGNATURE TRANSPORTER Driver's Name Print Name Print Name Phone No. Image: Truck No. Image:	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s) packaged, and is in proper condition for transp RCRA EXEMPT: Oil fin RCRA EXEMPT: Oil fin RCRA NON-EXEMPT: Oil fin RCRA NON-EXEMPT: Oil fin MSD: Comparison of the second seco	Inpl E&P waste must be analysed and be below threshold limits for toxicity (TULP). Ignitability: Constituty autriteactive autriteactive interval inte	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s) RCRA EXEMPT: 0il fi RCRA NON-EXEMPT: 0il fi GRCRA NON-EXEMPT: 0il fi	Instanting Constant, Current State Provided Provided State Provided Pro	E - EACH Perly described, classified and Pablished in RCRA regulations, Intation demonstrating the Pescription Below! In of non-hazardous waste
All non-exe Non-Exempt Other DISPOSAL QUANTITY I hereby certify that the above listed material(s) Carbon Constraints of the above listed material(s) version of the above listed material(s) version of the above named material(s) version of the above	Imple E&P waste must be analysed and be below threshold limits for toxicity (ICLP), tanitability, Consistivity autimeacues "please select from Non-Exempt Waste List or "please select from Non-Exempt Waste List or a select from Non-Exempt Waste List or according to applicable regulation. Is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been propriation according to applicable regulation. Id waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics es a 261 21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following docume as non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation and a description of the waste must accompany this form) NATURE DATE Driver's Name	E - EACH Derly described, classified and 1360 Accepts certifications on a rablished in RCRA regulations, intation demonstrating the description Below)

Received by OCD: 4/23/2025 9:34:5	6 AM				Page 299 of 392
RB3600 ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BTA OIL PRODUCERS CRI1630 RAY RAMOS 23028 HW-731595 2/19/2025 SP Transport JULIO 101	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-1690674 O6UJ9A000L31 2/19/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)	5
Facility: CRI					
Product / Service			Units		La Dar Coro Cal
Contaminated Soil (RCRA Exemp	ot)	20.0	00 yards		
 1988 regulatory determination, the abo <u>X</u> RCRA Exempt: Oil Field wastes g <u>RCRA Non-Exempt: Oil field wastes</u> characteristics established in RCRA regamended. The following documentation <u>MSDS Information</u> <u>RCRA H</u> 	te which is non- gulations, 40 CF	R 261.21-261.24 or listed hazardou	s waste as defined	l in 40 CFR, part 261, subr dous. (Check the appropria	art D, as
Driver/ Agent Signature		R360 Representative	Signature	15	
Customer Approval					
	тні	S IS NOT AN INVO	ICE!		
Approved By:		Date:			

16UJ9A0266QN

2/19/2025 12:02:07PM

SIGNATURE

mu

R360	NEV	MEXICO NON-HAZARI	DOUS OILFIELD		NIFEST	Name _	iy Mán Contact Informati RAY RAMO
ENVIPONMENTAL SOLUTIONS				nedomeo		College All and the second	10. <u>432-313-128</u>
Congrates Manifest #		GEN	ERATOR	0	N	D. HW-	731594
Generator Manifest # Generator Name Address	BTA		Location of Lease/Well Name & No County API No.		Accur	c su	D_354
City, State, Zip Phone No			Rig Name 8 AFE/PO No.	No	FNR 2	3028	
		rvice Identification and Amou					
0:I Based Muds 0:I Based Cuttings Water Based Ruds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	Wa Con Pro Ga	IN-INJECTABLE WATERS ishout Water (Non-Injectable) mpletion Fluid/Flow Back (Non-In duced Water (Non-Injectable) thering Line Water/Waste (Non-In ERNAL USE ONLY			OTHER EXEMPT E&P	LLY	MS
Gas Plant Waste	particular	ck Washout (exempt waste)	YES	NO	QUANTITY	Store of the Owner	P \$0IL CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PF	RODUCTION	GATH	ERING LINES	6 - 1/2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
All no	on-exempt E&P waste mi	NON-EXEMPT E&P Waste/ ist be analysed and be below thro	Service Identificatio eshold limits for tox	n and Amount icity (TCLP), Ignita	bility, Corrosivity adn I	Reactivity	
Non-Exempt Other		19: -			Non-Exempt Waste	the second s	
DISPOSAL QUANTITY	В	- BARRELS	L - LIQUID	20	Y - YARDS		E - EACH
RCRA NON-EXEMPT:	Oil field waste which is 40 CFR 261.21-261.24,	to applicable regulation. ated from oil and gas exploration s non-hazardous that does not ex- or listed hazardous waste as defi is is attached. (Check the appropr	and production oper ceed the minimum s ined by 40 CFR, part	ation and are not tandards for wast 261, subpart D, a ed)	mixed with non-exemp e hazardous by charac s amended. The follow	teristics estab	lished in RCRA regulations
	Transportation according Oil field wastes genera per load basis only) Oil field waste which in 40 CFR 261 21-261 24, waste as non-hazardou MSDS Information Emergency non-hazardo	to applicable regulation. ated from oil and gas exploration s non-hazardous that does not ex- or listed hazardous waste as defi is is attached. (Check the appropr	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I	ation and are not tandards for wast 261, subpart D, a: ed) malysis	mixed with non-exemp e hazardous by charac s amended. The follow	teristics estab ing document er (Provide De	lished in RCRA regulations, ation demonstrating the scription Below)
RCRA EXEMPT: RCRA NON-EXEMPT:	transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation. Ited from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropr RCRA Dus, non-oilfield waste that has b iscription of the waste must according RCRA	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I	ation and are not tandards for wast 261, subpart D, a: ed) malysis	mixed with non-exemp e hazardous by charac s amended. The follow	teristics estab ing document er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below)
	transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation. Ited from oil and gas exploration is non-hazardous that does not exi- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dus, non-oilfield waste that has b scription of the waste must acco-	and production oper ceed the minimum s ined by 40 CFR, part rate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exemp e hazardous by charac s amended. The follow 0 Oth Dlic Safety (the order, c	teristics estab ing document er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below)
	transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation. Ited from oil and gas exploration is non-hazardous that does not exi- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dus, non-oilfield waste that has b scription of the waste must acco-	and production oper ceed the minimum s ined by 40 CFR, part itate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER Driver's Name Print Name	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exempt e hazardous by charac s amended. The follow Oth Olic Safety (the order, of Signature	teristics estab ing document er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below)
	transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation. Ited from oil and gas exploration is non-hazardous that does not exi- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dus, non-oilfield waste that has b scription of the waste must acco-	and production oper ceed the minimum s ined by 40 CFR, part itate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER Driver's Name Print Name Phone No.	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exemp e hazardous by charac s amended. The follow 0 Oth Dlic Safety (the order, c	teristics estab ing document er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below)
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261 21-261 24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation. Ited from oil and gas exploration is non-hazardous that does not exi- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dous, non-oilfield waste that has bi- scription of the waste must acco- TRANS	and production oper ceed the minimum s ined by 40 CFR, part itate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER Driver's Name Print Name Phone No. Truck No.	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exempt e hazardous by charac s amended. The follow Oth Oth SIGNATUR SIGNATUR Jackson Jackson ZS-63/	teristics estab ing document. er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below)
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261 21-261 24, waste as non-hazardou MSDS Information Emergency non-hazard determination and a de	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dous, non-oilfield waste that has b is scription of the waste must acco TRANS	and production oper ceed the minimum s ined by 40 CFR, part itate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER Driver's Name Print Name Phone No. Truck No.	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exemple e hazardous by charac s amended. The follow I of the order, of SIGNATUR SIGNATU	teristics estab ing document. er (Provide De locumentation	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardou MSDS Information Emergency non-hazardo determination and a de GENTS SIGNATURE	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA bus, non-oilfield waste that has b is scription of the waste must account TRANS CTRANS CTRANS	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered	ation and are not tandards for wast 261, subpart D, a: ed) inalysis Department of Put	mixed with non-exemple hazardous by charac samended. The follow of the order, of the order, of the safety (the order, of the disposal facility of the disposal facility RECEIV	teristics estab ing document. er (Provide De locumentation if for the for the for th	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261 21-261 24, waste as non-hazardo MSDS Information Emergency non-hazardo determination and a de GENIS SIGNATURE	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA bus, non-oilfield waste that has b is scription of the waste must account TRANS CTRANS CTRANS	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered	ation and are not tandards for wast 261, subpart D, a: ed) inalysis Department of Put	mixed with non-exemple hazardous by charac samended. The follow Dother of the order, of the order, of the order, of the disposal facility to the disposal facility	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261 21-261 24, waste as non-hazardo MSDS Information Emergency non-hazardo determination and a de GENIS SIGNATURE TO AutS POOL terial(s) was/were picked DRIVER S S MP	to applicable regulation ited from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dus, non-oilfield waste that has b scription of the waste must accord TRANS CTRANS CULCC I up at the Generator's site listed I up at the Generator's site listed I up At the Generator's site listed	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered	ation and are not tandards for wast 261, subpart D, a: ed) unalysis Department of Put	mixed with non-exempted with non-exempted states by characters amended. The follow of the order, or signature of the disposal facility of the disposal	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardo MSDS Information Emergency non-hazardo determination and a de GENTS SIGNATURE TO Aus post GENTS SIGNATURE DRIVER S S MP	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached (Check the appropri- RCRA bus, non-oilfield waste that has b scription of the waste must acco TRANS TRANS Up at the Generator's site listed I up at the Generator's site listed	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) MATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered OELIVERY L FACILITY Phone No.	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exemple hazardous by charac samended. The follow of the disposal facility of the disposal facility RECEIV me/No	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardo determination and a de GENTS SIGNATURE TARES YOUNG AND AND AND DRIVER'S SIGNATURE DRIVER'S SIGNATURE	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached (Check the appropri- B RCRA bus, non-oilfield waste that has b iscription of the waste must acco TRANS TRANS Up at the Generator's site listed idoNATURE DISPOSAI G6 Carlsbad, NM 88220 YES NO YES NO YES NO	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered OELIVERY FACILITY Phone No. If YES, was rea	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exempted with non-exempted states by characters amended. The follow of the order, or signature of the disposal facility of the disposal	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardo determination and a de GENTS SIGNATURE TARES SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE TARES (Circle One) R TEST? (Circle One)	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached. (Check the appropri- RCRA Dus, non-oilfield waste that has b scription of the waste must acco TRANS CTRANS CULCE I up at the Generator's site listed I up at the Generator's site listed IGNATURE DISPOSAI G6 Carlsbad, NM 88220 YES NO	and production oper ceed the minimum s ined by 40 CFR, part iate items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered OELIVERY FACILITY Phone No. If YES, was rea	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put	mixed with non-exemple hazardous by charac samended. The follow of the disposal facility of the disposal facility RECEIV me/No	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardo determination and a de GENTS SIGNATURE TARES SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE TARES (Circle One) R TEST? (Circle One)	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached (Check the appropri- RCRA- bus, non-oilfield waste that has b scription of the waste must acco TRANS TRANS Up at the Generator's site listed I up at the	and production oper ceed the minimum s ined by 40 CFR, part late items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered OELIVERY FACILITY Phone No. If YES, was rea	ation and are not tandards for wast 261, subpart D, a ed) inalysis Department of Put without incident yate Nar 575-392 ading > 50 micro	mixed with non-exemple e hazardous by charac s amended. The follow of the follow of the follow of the follow SIGNATUR SI	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste
	Transportation according Oil field wastes genera per load basis only) Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardo determination and a de GENTS SIGNATURE TARES SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE DRIVER SIGNATURE TARES (Circle One) R TEST? (Circle One)	to applicable regulation ated from oil and gas exploration is non-hazardous that does not ex- or listed hazardous waste as defi- is is attached (Check the appropri- RCRA- bus, non-oilfield waste that has b scription of the waste must acco TRANS TRANS Up at the Generator's site listed I up at the	and production oper ceed the minimum s ined by 40 CFR, part late items as provid Hazardous Waste A een ordered by the I mpany this form) DATE PORTER Driver's Name Print Name Phone No. Truck No. above and delivered OELIVERY FACILITY Phone No. If YES, was rea	ation and are not tandards for wast 261, subpart D, ac ed) inalysis Department of Put without incident (pare 575-392 adding > 50 micro	mixed with non-exemple e hazardous by charac s amended. The follow of the follow of the follow of the follow SIGNATUR SI	teristics estab ing documenta- er (Provide De locumentation se 	lished in RCRA regulations, ation demonstrating the scription Below) of non-hazardous waste

R360 ENVIRONMENTAL SOLUTIONS	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734879 Manif. Date: 2/19/2025 Hauler: SP Transport Driver YARIEL Truck # 105 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1690676 O6UJ9A000L31 2/19/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI		-	
Product / Service	Quanti	ty Units	
Contaminated Soil (RCRA Exe	empt) 20	0.00 yards	
Driver/ Agent Signature	A Hazardous Waste Analysis _ Process Knowledg R360 Representativ		
Customer Approval		m	
Customer Approval	THIS IS NOT AN INVO		
	THIS IS NOT AN INVO		
Customer Approval		DICE!	
		DICE!	

t6UJ9A0266QP

Customer: Customer:	DUCERS D H
Product / Service Quantity Units Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status 1 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed w RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the	
Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status 1 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed w RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description a Driver/ Agent Signature Customer Approval R360 Representative Signature	
Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protectil 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed w RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste haza characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the	
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protecti 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed w RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste haza characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description a Driver/ Agent Signature R360 Representative Signature Customer Approval	
THIS IS NOT AN INVOICE!	ove)
Approved By: Date:	

t6UJ9A0266XD

2/19/2025 2:57.10PM

1

Received by OCD: 4/23/2025 9:34	:56 AM					Page 303 of 392
RBGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-734 870	RS	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		
Facility: CRI						
Product / Service			Quantity L			
Contaminated Soil (RCRA Exemp	ot)		20.00	yards		
<u>X</u> RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA re amended. The following documentatio MSDS Information RCRA H	te which is non- gulations, 40 CI on is attached to	hazardous that does not R 261.21-261.24 or liste demonstrate the above-	exceed the m d hazardous v described was	waste as defined ste is non-hazar	in 40 CFR, part 261, subpar dous. (Check the appropriate	rt D, as
Driver/ Agent Signature	Service Service	R360 Repre	sentative Si	ignature		
yaniel Romaed	89					
Customer Approval			and the second	11		
	TH	S IS NOT AN	INVOIO	CE!		
Approved By:			Date:			
						3

passa .

Received by	• OCD :	4/23/2025	9:34:56 AM
-------------	----------------	-----------	------------

RESECTOR	Customer: Customer #: Ordered by: AFE #: P.O. #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-730420	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantif	v Units	
Contaminated Soil (RCRA Exempt			.00 yards	En El angel
Generator Certification Statement	of Waste Sta	tus	A Star The Way	and the second
I hereby certify that according to the Res	source Conserv	ation and Recovery Act (RCRA)	and the US Enviror	mental Protection Agency's July
1988 regulatory determination, the above	e described was	te is:		
X RCRA Exempt: Oil Field wastes ger	nerated from oil	and gas exploration and product	ion operations and a	re not mixed with non-exempt wast
_ RCRA Non-Exempt: On held waste	which is non-h	azardous that does not exceed the	minimum standard	a for wasta harardawa hu
characteristics established in RCRA regu amended. The following documentation	is attached to c	201.2 A 201.20 or listed hazardou	is waste as defined i	n 40 CFR, part 261, subpart D, as
_ MSDS Information _ RCRA Haz	zardous Waste	Analysis Process Knowledge	Other (Provi	de description above)
Driver/ Agent Signature	A. TRUNCH	R360 Representative	Signature ,	
	<u> </u>			
Customer Approval			See a strain of	
	THIS	S IS NOT AN INVO	ICE!	
Approved By:		Date:		
,				

t6UJ9A0267AZ

Customer Approvàl THIS IS NOT AN INVOICE!	Customer #: CRH1630 Bit #::::::::::::::::::::::::::::::::::::	eceived by OCD: 4/23/2025 9:34::	56 AM		Page 305 of 392
Product/ Service: Quantity Units Contaminated Soli (RCRA Exempt) 20.00 yards Senerator Certification Statement/of Waste Status Incredy certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste according to the Resource Conservation that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 2612126124 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as an ended. The following documentation is attached to demonstrate the above-described waste is is non-hazardous. (Check the appropriate items):	Product/ Service: Quantity Units Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification, Statement'of/Waste Status Intereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste	SOLUTIONS	Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-734753 Manif. Date: 2/20/2025 Hauler: SP Transport Driver LALO Truck # 01 Card #	Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig:	06UJ9A000L31 2/20/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING
Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Non-Exempt: Oil Field waste systemated from oil and gas exploration and production operations and are not mixed with non-exempt waste as RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous waste hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):MSDs InformationRCRA Hazardous Waste Analysis Process KnowledgeOther (Provide description above) Driver/Agent Signature	Contaminated Soll (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status Intereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste hazardous which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Divertify Agent Signature	Facility: CRI			
Senerator Cortification, Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1998 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information	Cenerator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast RCRA Non-Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Divert/Agent Signature _ R360 Represent tive Signature Customer Approval THIS IS NOT AN INVOICE! Approved By:	Product / Service		Quantity Units	
Senerator Certification. Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information	Cenerator Certification. Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil Field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Divert Agent Signature _ R360 Representative Signature	Contaminated Soil (RCRA Exe	empt)		
Approved By: Date:	Approved By: Date:	1988 regulatory determination, the a X RCRA Exempt: Oil Field waste _ RCRA Non-Exempt: Oil field w characteristics established in RCRA amended. The following documenta _ MSDS Information _ RCRA	above described waste is: s generated from oil and gas exploration a vaste which is non-hazardous that does not regulations, 40 CFR 261.21-261.24 or liste ation is attached to demonstrate the above- A Hazardous Waste Analysis Process	nd production operations and exceed the minimum standard of hazardous waste as defined described waste is non-hazard Knowledge Other (Prov	are not mixed with non-exempt wast ds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Approved By: Date:	Approved By: Date:	Customer Approval	anna an an an an an an ann an an an ann an a	and a second	
			THIS IS NOT AN	INVOICE!	
		Approved By:		Date:	· · · · · · · · · · · · · · · · · · ·

t6UJ9A0267IG

2/20/2025 1:30:55PM

Received by OCD: 4/23/2025 9:34:56 AM

Rascon ENVIRONMENTAL SOLUTIONS Permian Basin	Customer:BTA OIL PROCustomer #:CRI1630Ordered by:RAY RAMOSAFE #:23028PO #:23028Manifest #:HW-734756Manif. Date:2/20/2025Hauler:SP TransportDriverLALOTruck #01Card #Job Ref #	DUCERS	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantity U	Inits	
Contaminated Soil (RCRA Exemp			yards	p.
Generator Certification Statement	of Waste Status			
I hereby certify that according to the Re		ry Act (RCRA) and	the US Environ	amental Protection Agency's July
1988 regulatory determination, the abov	e described waste is:			
X RCRA Exempt: Oil Field wastes ge	nerated from oil and gas explorate	tion and production	operations and	are not mixed with non-exempt wast
RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg	ulations, 40 CFR 261.21-261.24 o	r listed hazardous w	inimum standard	is for waste hazardous by
amended. The following documentation	is attached to demonstrate the a	bove-described was	te is non-hazard	ous. (Check the appropriate items);
MSDS Information RCRA Ha	zardous Waste Analysis _ Pro	ocess Knowledge	_ Other (Provi	de description above)
Driver/ Agent Signature	R360 R	epresentative Si	onature	
		K	Sundaro	
				,
Customer Approval		and the second	物的扩充网	7.2 ···
	THIS IS NOT			
Approved By:		Date:		

t6UJ9A0267N1

2/20/2025 3:33:33PM

Received by OCD: 4/23/2025 9:34:56 A	M			Page 307 of	<i>392</i>
REASE ENVIRONMENTAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #:	BTA OIL PRODUCERS CRI1630 RAY RAMOS 23028 HW-736519 2/20/2025 SP Transport YANIEL 105	Ticket #: Bid #: Date: Generator: Well Ser. #: Well Name: Well Name: Vell #: Field: Field #: Rig: County	700-1691192 O6UJ9A000L31 2/20/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)	
Facility: CRI					
Product / Service	A A A A A A A A A A A A A A A A A A A	Quan	tity Units		
Contaminated Soil (RCRA Exempt	:)		20.00 yards	an a	
I hereby certify that according to the Res 1988 regulatory determination, the above X RCRA Exempt: Oil Field wastes ger RCRA Non-Exempt: Oil field waste characteristics established in RCRA regulation MSDS Information RCRA Hat Driver/Agent Signature	e described was nerated from oi which is non-h ilations, 40 CFI is attached to o zardous Waste	te is: and gas exploration and product azardous that does not exceed 201.21-261.24 or listed hazard lemonstrate the above-describe	action operations and a the minimum standard lous waste as defined ad waste is non-hazard dge Other (Provi ve Signature)	are not mixed with non-exempt waste is for waste hazardous by in 40 CFR, part 261, subpart D, as pus. (Check the appropriate items):	
	THIS	S IS NOT AN INV	OICE!		
Approved By:		Date:			
				1	
				ł	
				1	

t6UJ9A0267IM

2/20/2025 1:35:40PM

Received by	• OCD :	: 4/23/2025	9:34:56 AM
-------------	----------------	-------------	------------

Customer: Customer# Customer# Customer# Customer# CRI1630 CRI200 Cread by: AFE #: PO #: SULUTIONSBTA OIL PRODUCERS CRI1630 RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-736518 Manif. Date: 2/20/2025 Hauler: Driver Truck # Job Ref #Ticket #: 700-1691063 Bid #: OGUJ9A000L31 Date: Generator: Well Ser. #: 20207L Well Name: Well Ser. #: 20207L Well Name: Well %: 035Permian BasinCustomer: Customer# Driver Truck # Job Ref #700-1691063 Bid #: OGUJ9A000L31 Date: 2/20/2025 Well Ser. #: Well Ser. #: 035	
Facility: CRI	
Product / Service Quantity Units	
Contaminated Soil (RCRA Exempt) 20.00 yards	
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's J 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart 1 amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate in _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature	ot waste D, as
Customer Approval	
Customer Approval THIS IS NOT AN INVOICE!	

2/20/2025 8:59:19AM

PR360 ENVIRONMENTAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver	RAY RAMOS 23028 HW-736520 2/22/2025 SP Transport LALO	Well #: Field:	20207L
	Truck # Card # Job Ref #	01	Field #: Rig: County	NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quantit	y Units	
Contaminated Soil (RCRA Exem	pt)	20.	00 yards	
characteristics established in RCRA re amended. The following documentati _ MSDS Information _ RCRA H Driver/ Agent Signature Customer Approval	on is attached to	demonstrate the above-described	waste is non-hazard Other (Provi	lous. (Check the appropriate items):
	THIS	S IS NOT AN INVO	ICE!	
Approved By:		Date:		

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

Received by OCD: 4/23/2025 9:34:56	5 AM				Page 310 of 392
PB360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS HW-735988	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		RS
Facility: CRI					
Product / Service		Quantity	Units		
Contaminated Soil (RCRA Exemp	ot)	20.00) yards		
1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes go RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA H Driver/ Agent Signature Customer Approval	enerated from o te which is non- gulations, 40 Cl on is attached to	il and gas exploration and production hazardous that does not exceed the n FR 261.21-261.24 or listed hazardous demonstrate the above-described wa	waste as define aste is non-haza Other (Pro	d in 40 CFR, part 261, su	bpart D, as
	тн	IS IS NOT AN INVOI	CE!		
Approved By:		Date:			

-Released to Imaging: 5/1/2025 11:46:21 AM

.

-

Rasconertal Solutions Permian Basin	AFE #: PO #: Manifest #: Manif. Date: Hauler:	RAY RAMOS 23028 HW-734754	Well #: Field: Field #: Rig:	20207L
Facility: CRI				
Product / Service		Quantity U	nits	
Contaminated Soil (RCRA Exemp	t)	20.00		
Generator Certification Statement I hereby certify that according to the Res 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes gen RCRA Non-Exempt: Oil field waste characteristics established in RCRA regu amended. The following documentation MSDS Information _ RCRA Has	source Conserva e described was herated from oil which is non-haulations, 40 CFR is attached to d	ation and Recovery Act (RCRA) and to te is: and gas exploration and production of azardous that does not exceed the mir 261.21-261.24 or listed hazardous was emonstrate the above-described worth	perations and a limum standard	re not mixed with non-exempt wast s for waste hazardous by n 40 CFR, part 261, subpart D, as
Driver/ Agent Signature		R360 Representative Sig	nature	
Customer Approval			W. New York and the	
	THIS	IS NOT AN INVOICI	Ξ!	
Approved By:		Date:		

_ Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

Received by OCD: 4/23/2025 9:34:50	5 AM				Page 312	of 392
Pageo Contractions	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 22028 HW-736522	ERS	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		
Facility: CRI						
Product / Service			Quantity I			
Contaminated Soil (RCRA Exemp	ot)		20.00	yards		
I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wastes g characteristics established in RCRA re amended. The following documentation MSDS Information _ RCRA H	ve described we enerated from c te which is non gulations, 40 Cl we is attached to	aste is: bil and gas exploration -hazardous that does FR 261.21-261.24 or l	n and production not exceed the n isted hazardous ve-described wa	n operations and ninimum standa waste as define aste is non-haza	are not mixed with non-exempt was rds for waste hazardous by d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items)	
Driver/ Agent Signature		R360 Re	presentative S	Signature		
Differ Agent orginature			k			
Customer Approval						
	тн	IS IS NOT A		CE!		
Approved By:			Date:			

t6UJ9A0268O9

2/22/2025 8:13:32AM

.

10.11 MI

RBBBBB ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735989 2/22/2025 SP Transport YANIEL 105	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	20207L
Facility: CRI				
Product / Service		Quantity U	nits	
Contaminated Soil (RCRA Exempt	t)	20.00 y	vards	
Generator Certification Statement I hereby certify that according to the Res 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes gen RCRA Non-Exempt: Oil field waste characteristics established in RCRA regu amended. The following documentation MSDS Information _ RCRA Ha	source Conserva e described was nerated from oil which is non-h ulations, 40 CFF is attached to d	ation and Recovery Act (RCRA) and t te is: and gas exploration and production o azardous that does not exceed the min 2 261.21-261.24 or listed hazardous wa emonstrate the above-described waste	perations and a imum standard iste as defined i e is non-hazardo	are not mixed with non-exempt wasters is for waste hazardous by in 40 CFR, part 261, subpart D, as ous. (Check the appropriate items):
Driver/ Agent Signature		R360 Representative Sig	nature	
		P		
Customer Approval				
	THIS	IS NOT AN INVOICI	E!	
Approved By:		Date:		

t6UJ9A0268SS

Page 313 of 392

Received by OCD: 4/23/2025 9:34:56 AM

Received by OCD: 4/23/2025 9:34:	56 AM					Page 314 of 392
Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735283	,	•	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1692023 O6UJ9A000L31 2/22/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
Facility: CRI						
Product / Service			Qu	antity L	Jnits	
Contaminated Soil (RCRA Exem	npt)			20.00	yards	
X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field wastes characteristics established in RCRA is amended. The following documentant MSDS Information _ RCRA Driver/ Agent Signature	aste which is non- regulations, 40 CI tion is attached to	hazardous that doe FR 261.21-261.24 or demonstrate the at e Analysis Pro	s not exce listed ha ove-desc cess Kno	zardous ribed wa wledge	waste as defined ste is non-hazar	dous. (Check the appropriate items):
Customer Approval	тн	IS IS NOT	AN IN	IVOI	CE!	
Approved By:			Da	ate:		

16UJ9A0268SW

•

-

R360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-736484	Well #: Field: Field #: Rig:	
Facility: CRI				
Product / Service		Quantity L	Inite	
Contaminated Soil (RCRA Exempt)	20.00		
Generator Certification Statement I hereby certify that according to the Ress 1988 regulatory determination, the above X RCRA Exempt: Oil Field wastes gen _ RCRA Non-Exempt: Oil field waste characteristics established in RCRA regu amended. The following documentation _ MSDS Information _ RCRA Haz	ource Conserva described was erated from oil which is non-ha lations, 40 CFR is attached to d	ation and Recovery Act (RCRA) and te is: and gas exploration and production azardous that does not exceed the mi 261.21-261.24 or listed hazardous w	operations and a nimum standard aste as defined i	re not mixed with non-exempt wasters for waste hazardous by n 40 CFR, part 261, subpart D, as
Driver/ Agent Signature		R360 Representative Sig	gnature	
Customer Approval	THIS	IS NOT AN INVOIC	E!	
Approved By:		Date:		

Released to Imaging: 5/1/2025 11:46:21 AM

Received by OCD: 4/23/2025 9:34:56 AM

2/22/2025 8:22:02AM

Page 315 of 392

6 AM				Page 316 of 392
Ordered by: AFE #: PO #: Manifest #:	RAY RAMOS 23028 HW-736487	***	Well Ser. #:	700-1692024 O6UJ9A000L31 2/22/2025 BTA OIL PRODUCERS 20207L VACUUM SWD H 035 NON-DRILLING LEA (NM)
	Qua	ntity l	Jnits	
ot)		20.00) yards	
te which is non- gulations, 40 Cl	-hazardous that does not exceed FR 261.21-261.24 or listed haza demonstrate the above-descril e Analysis Process Know	d the m ardous bed wa ledge	waste as defined ste is non-hazal Other (Pro	d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items):
тн	IS IS NOT AN IN	VOI	CE!	
	Date	e:		
	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref # Job Ref # A ot) Mate of Waste St esource Conser we described was generated from cost et which is non- gulations, 40 Cl on is attached to Hazardous Wast	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-736487 Manif. Date: 2/22/2025 Hauler: SP Transport Driver HECTOR Truck # 03 Card # Job Ref # Cura Dob Ref # Manif Date: Second Process Conservation and Recovery Act (RCF Second Second Process Conservation and Recovery Act (RCF Second Process Conservation and Process Conservation and Recovery Act (RCF Second Process Conservation Second Process Conservation and Recovery Act (RCF Second Process Conservation Second Process Conservat	Customer: BTA OIL PRODUCERS Customer #: CRI1630 Ordered by: RAY RAMOS AFE #: PO #: 23028 Manifest #: HW-736487 Manif. Date: 2/22/2025 Hauler: SP Transport Driver HECTOR Truck # 03 Card # Job Ref # Quantity I ot) 20.00 At of Waste Status esource Conservation and Recovery Act (RCRA) and by described waste is: generated from oil and gas exploration and production the which is non-hazardous that does not exceed the n egulations, 40 CFR 261.21-261.24 or listed hazardous on is attached to demonstrate the above-described wast lazardous Waste Analysis _ Process Knowledge	Customer: BTA OIL PRODUCERS Ticket #: Customer #: CRI1630 Bid #: Ordered by: RAY RAMOS Date: AFE #: PO #: 23028 Generator: Generator: PO #: 23028 Well Ser. #: Manifest #: HW-736487 Well Ser. #: Manif. Date: 2/22/2025 Well Name: Hauler: SP Transport Well #: Field: Truck # 03 Field #: Card # Job Ref # County Coun

16UJ9A0268SX

2/22/2025 1:08:42PM

.

P360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	RAY RAMOS 23028 HW-735079	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	
Facility: CRI				
Product / Service		Quantity U	nits	
Contaminated Soil (RCRA Exemp	t)	20.00	yards	
characteristics established in RCRA reg amended. The following documentation MSDS InformationRCRA Ha	esource Conserv ve described was enerated from oi e which is non-h gulations, 40 CF n is attached to o	ation and Recovery Act (RCRA) and ste is: I and gas exploration and production of nazardous that does not exceed the min R 261.21-261.24 or listed hazardous w demonstrate the above-described wast	operations and nimum standard aste as defined e is non-hazard Other (Prov	are not mixed with non-exempt wasted ds for waste hazardous by in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
Driver/ Agent Signature Customer Approval		R360 Representative Sig		
	THIS	S IS NOT AN INVOIC	E!	
Approved By:		Date:		

Released to Imaging: 5/1/2025 11:46:21 AM

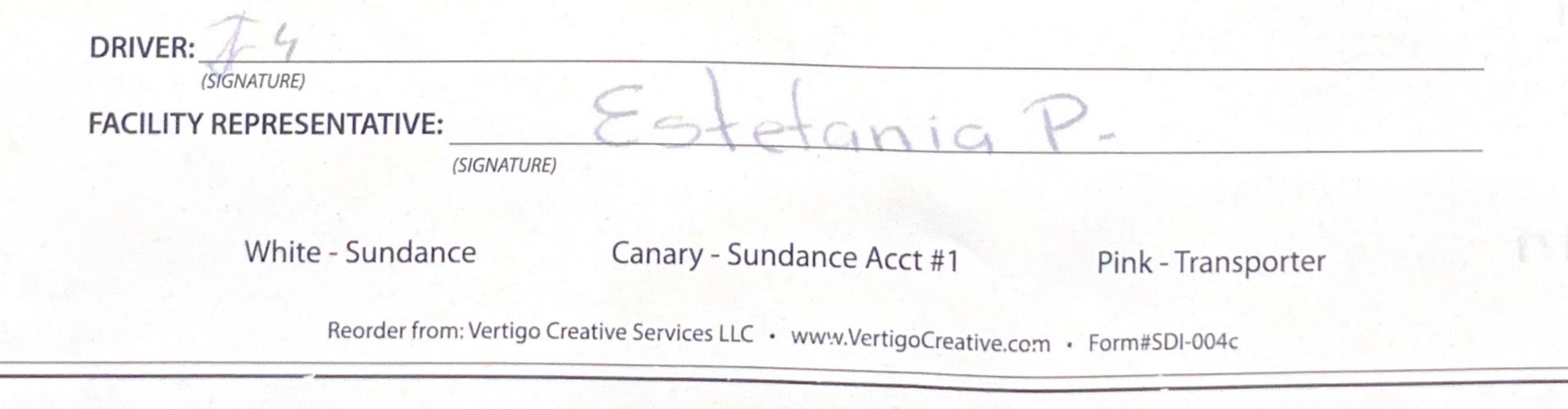
Received by OCD: 4/23/2025 9:34:56 AM

2/22/2025 8:21:28AM

	DANCE SERVICES WEST, INC. P.O. Box 1737 Eunice, New Mexico 88231 usiness: (575) 394-2511 • Disposal: (575) 390-7842	TICKET No. 713466
LEASE OPERATOR/S	HIPPER/COMPANY:	DATE: 2-26-2025
LEASE NAME:	acuum sun H # 03	TIME: 9:74 AM/PM
RIG NAME & NUMBE	R:	VEHICLE NO: 107
TRANSPORTER COM	PANY: SP Trabsord	PHONE:
GENERATOR COMPA	NY MAN'S NAME: REY ROMAS	PHONE:
CHARGE TO:	BTH	
TYPE OF MATERIAL	 [] Tank Bottoms [] Drilling Fluids [] Solids [] Contaminated Soil 	[] Rinsate [] BS&W Content: [] Jet Out

Description:	N 00
VOLUME OF []BBLS.	: [YARD_20] : []
RRC or API #	C-133# NM
stickers, codes, numbers, etc. Incident Number 23028	AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.
nAPP2313058428	ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.



1 by OCD: 4/23/2025 9:34:56 AM			
	P.O. Box 1737 Eunice, Net Isiness: (575) 394-2511 • D	CES WEST, INC. ew Mexico 88231 isposal: (575) 390-7842	TICKET No. 713465
LEASE OPERATOR/SH	IIPPER/COMPANY:	STA	DATE: 2-26-2025
LEASE NAME:	ACINMO SU	mttazs H	TIME: 24 AM/PM
RIG NAME & NUMBER	R:		VEHICLE NO: 101
TRANSPORTER COMP	PANY: SP TI	absort	PHONE:
GENERATOR COMPA	NY MAN'S NAME:	PUPCIMICS	PHONE: 437-313-1288
CHARGE TO:	2	TA	
TYPE OF MATERIAL Description:	[] Tank Bottoms [] Solids	VA.	sate [] BS&W Content: Out
VOLUME OF MATERIAL	[] BBLS	YARD 20:	[]
RRC or API #		C-133#	NM
1	DES, NUMBERS, ETC.	AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEP JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WA HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, 361.001 et seq., AND REGULATIONS RELATED THERETO DRILLING FLUIDS, PRODUCED WATERS, AND OTHER W DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATU	RRANTS THAT THE WASTE MATERIAL SHIPPED , CONSERVATION AND RECOVERY ACT OF 1976, et seq., THE NM HEALTH AND SAF. CODE § 0, BY VIRTUE OF THE EXEMPTION AFFORDED /ASTE ASSOCIATED WITH THE EXPLORATION,
in APP2313	3058428	ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S A THIS JOB TICKET. TRANSPORTER REPRESENTS AND WAR BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW D	RRANTS THAT ONLY THE MATERIAL DELIVERED

Received by OCD: 4/23/2025 9:34:56 AM

SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

(SIGNATURE)		
FACILITY REPRESENTATIVE:	Esterania	Y.
(SIGNATURE		
White - Sundance	Canary - Sundance Acct #1	Pink - Transporter
Reorder from: Vertigo	Creative Services LLC • www.VertigoCreative.co	om • Form#SDI-004c

Business: (575) 394-2511 · Disposal: (575) 390-7842	TICKET No. 713539
LEASE OPERATOR/SHIPPER/COMPANY:	DATE: 2-26-2029
LEASE NAME: VALUUM SUD #035H	TIME: (136 AM/PM)
RIG NAME & NUMBER:	VEHICLE NO:
TRANSPORTER COMPANY: SP TIGHSCOVI	PHONE:
GENERATOR COMPANY MAN'S NAME: DEU RUMOS	PHONE: 122-3131288
CHARGE TO: BTA	
TYPE OF [] Tank Bottoms [] Drilling Fluids [MATERIAL [] Solids [] Contaminated Soil [] Rinsate [] BS&W Content:

Description: **VOLUME OF** VI YARD BBLS. MATERIAL **RRC or API #** C-133# AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS STICKERS, CODES, NUMBERS, ETC. JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED noident Humber HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED 23028 DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. mAPP2313058428 ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED. BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE

SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.



	P.O. Box 1737 Eunice, N	CES WEST, INC. lew Mexico 88231 Disposal: (575) 390-7842	TICK	ET No.713503
LEASE OPERATOR/SHIPPE	R/COMPANY:	ATA		DATE: 2-76-2020
LEASE NAME: VOLUUM SUD H #035				TIME: 1=10 AM/PM
RIG NAME & NUMBER:				VEHICLE NO: 102
TRANSPORTER COMPANY	: SP TI	GINSCONT	PHO	DNE:
GENERATOR COMPANY M	IAN'S NAME:	Zey Ramas	PHC	DNE:
CHARGE TO:	12	TA		
TYPE OF MATERIAL[Description:] Tank Bottoms] Solids	[] Drilling Fluids Contaminated Soil	[] Rinsate [] Jet Out	
VOLUME OF MATERIAL] BBLS.	: NYARD 20):	[]
RRC or API #			C-133# N	M
STICKERS, CODES, Incident 23028 NAPP23130	Ninder	AS A CONDITION TO SUNDANCE SERVICES, JOB TICKET, OPERATOR/SHIPPER REPRESE HEREWITH IS MATERIAL EXEMPT FROM TH AS AMENDED FROM TIME TO TIME, 40 L 361.001 et seq., AND REGULATIONS REL DRILLING FLUIDS, PRODUCED WATERS, A DEVELOPMENT OR PRODUCTION OF CRUDE ALSO AS A CONDITION TO SUNDANCE SERV THIS JOB TICKET. TRANSPORTER REPRESE BY OPERATOR/SHIPPER TO TRANSPORTE SERVICES, INC.'S FACILITY FOR DISPOSAL.	ENTS AND WARRAN HE RESOURCE, CONS I.S.C. § 6901, et se ATED THERETO, BY ND OTHER WASTE E OIL OR NATURAL G ICES, INC.'S ACCEPT NTS AND WARRANT ICES NOW DELIVE	TS THAT THE WASTE MATERIAL SHIPPED SERVATION AND RECOVERY ACT OF 1976, eq., THE NM HEALTH AND SAF. CODE § VIRTUE OF THE EXEMPTION AFFORDED ASSOCIATED WITH THE EXPLORATION, AS OR GEOTHERMAL ENERGY. ANCE OF THE MATERIALS SHIPPED WITH S THAT ONLY THE MATERIAL DELIVERED

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: (SIGNATURE) Cinic. FACILITY REPRESENTATIVE: (SIGNATURE) Canary - Sundance Acct #1 White - Sundance Pink - Transporter Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

P.O. Box 1737 Eunice, New Mexico 88231 Business: (575) 394-2511 • Disposal: (575) 390-7842	TICKET No.713502
LEASE OPERATOR/SHIPPER/COMPANY: BTA	DATE: 2-26-202
LEASE NAME: VOLUM SUDH HO3S	TIME: TIME: TIME:
RIG NAME & NUMBER:	VEHICLE NO:
TRANSPORTER COMPANY: SP TIGNS OCH	PHONE:
GENERATOR COMPANY MAN'S NAME: Rey Rymos	PHONE:
CHARGETO: BTA	
TYPE OF [] Tank Bottoms [] Drilling Fluids [] MATERIAL [] Solids [] Contaminated Soil [] Description:] Rinsate [] BS&W Content] Jet Out

VOLUME OF []BBLS.	_: <u>Y</u> YARD <u>20</u> : []
RRC or API #	C-133# NM
STICKERS, CODES, NUMBERS, ETC. Incident Number 23028 NAPP2313058428	AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED
	BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.



Released to Imaging: 5/1/2025 11:46:21 AM

P.O. Box 1737 Eunice, New Mexico 88231 Business: (575) 394-2511 • Disposal: (575) 390-7842	TICKET No. 713540
LEASE OPERATOR/SHIPPER/COMPANY:	DATE: 2.26.7075
LEASE NAME: VOLUUM SUD HUBS	TIME: 4 36 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 107
TRANSPORTER COMPANY: SP Transport	PHONE:
GENERATOR COMPANY MAN'S NAME: REY RUMOS	PHONE:
CHARGE TO: BTD	
TYPE OF MATERIAL[] Tank Bottoms[] Drilling Fluids[[] Solids[] Contaminated Soil[] Rinsate [] BS&W Content:] Jet Out

Description:	r on
VOLUME OF []BBLS.	: <u>YJYARD</u> <u>26</u> : []
RRC or API #	C-133# MM
stickers, codes, numbers, etc. Incident Number 23028 NAPP2313058428	AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.



.

APPENDIX F Laboratory Analytical Data



February 19, 2025

NICHOLAS POOLE TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: VACUUM SWD H #35

Enclosed are the results of analyses for samples received by the laboratory on 02/14/25 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW-4 (0-2') (H250914-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.09	105	2.00	0.00731	
Toluene*	<0.050	0.050	02/17/2025	ND	2.14	107	2.00	0.00738	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.08	104	2.00	0.194	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.14	102	6.00	0.0667	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW-5 (0-2') (H250914-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.09	105	2.00	0.00731	
Toluene*	<0.050	0.050	02/17/2025	ND	2.14	107	2.00	0.00738	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.08	104	2.00	0.194	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	6.14	102	6.00	0.0667	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW-6 (0-2') (H250914-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW-7 (0-2') (H250914-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-9 (2') (H250914-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-10 (2') (H250914-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-11 (2') (H250914-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	11.7	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	14.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-12 (2') (H250914-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	17.1	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	16.6	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-13 (2') (H250914-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	272	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	227	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-14 (2') (H250914-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	20.3	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	11.9	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-4 (8') (H250914-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/14/2025	Sampling Date:	02/14/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS-6 (4') (H250914-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2025	ND	2.24	112	2.00	6.87	
Toluene*	<0.050	0.050	02/17/2025	ND	2.30	115	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/17/2025	ND	2.41	121	2.00	13.2	
Total Xylenes*	<0.150	0.150	02/17/2025	ND	7.38	123	6.00	12.9	
Total BTEX	<0.300	0.300	02/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/17/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2025	ND	174	87.1	200	16.0	
DRO >C10-C28*	<10.0	10.0	02/17/2025	ND	155	77.4	200	22.8	
EXT DRO >C28-C36	<10.0	10.0	02/17/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

ed by	CC elinquished by:	4/23/Aeiinquisned by	26. Huto	inelinquished by	4:50	S	8	1	6	r	Ч	ىر	e		(LAB USE)	INACATIN		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	11	Client Name:	Page 3
	: Date: Time:		Supplie 2.14.25	Date: Time:		FS-18(2)	Ko-12(2)	Fs-11(2)	FS-10(2)	F5-9620	Su-7 (0-2)	sur (Co-2)	64-5 Lo-2.)	Su - Y Lo-2)	SAMPLE IDENTIFICATION			Chaptimen Cro		BSCA Pay Princes	LEA County	VALUUM BUD H #35	BTR	Page Tetra Tech, Inc.
	Received by:	neceived by	Ouprison	Received by:	1 11:59	11:20	10:49	10:21	10:05	4:45	9:05	8:40	1 8:20	2.14.25 7:50	DATE TIME WATER	SAMPLING 1			, and the second		Project#: 2/2C- MP-	dichlas. p.	Site Manager: Jur chalas Contact Info:	
	Date: Time:		2.1425	Date: Time:										×××	SOIL HCL HNO ₃ ICE	MATRIX METHOD		Cancal			82220	sould & tehra tech	poole	901 West Wall St, Suite 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
(Circle) HAND DELIVERED	asc. end	Guo3	1454 ONLY	m										1 X X	FILTERED BTEX 802 TPH TX10 TPH 8015 PAH 8270 Total Meta TCLP Meta TCLP Vola	D (Y/N) 1B 005 (Ext M (GR(C Is Ag As als Ag A tiles	Ba Cd s Ba Cd	O - OR	Se				AN (Circle or	
) FEDEX UPS Tracking #:	Special Report Limits or TRRP Report	narges Authorized	RUSH: Same Day 24 hr 48 hr 72 hr	REMARKS: Standard TAT										*	TCLP Sem RCI GC/MS Vo GC/MS Se PCB's 808 NORM PLM (Asbe Chloride General W Anion/Cat Asbestos	I. 8260 mi. Vol. 32 / 608 estos) 99-0 Sulfat Vater Cl	B / 624 8270C 1 5 @ e TD nemistr	0 S	e atta	ached	list)		ANALYSIS REQUEST or Specify Method No.)	

	OC ellinquished by:	4/23 elinquished by	hillerto i	Relinquished by:	4:30			0	H		HACAB HIL	Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	VAcum	Client Name:	Page 8
			weaksz .					P3-6 (41)	PS-4 (6)		SAMPLE I		ardinal Lab	+ Pay Par	LGA Courty	our H	eu S	Page 3. Tetra Tech
	Date: Time:	Date	N	Date: Time:							SAMPLE IDENTIFICATION			ano 5		284		Tetra Tech, Inc.
	Received by:	Necessed by	0 m in	Received by:				2.14.2512:39	C/:2/ 22.4/.2	1.11	DATE SAMPLING		Gilberto Sui		Project#: 2/2C - MD	Nicholas. Pook	Site Manager: N: che la S Contact Info:	
	Date: Time:		Date: Time:	Date: Time:				7			MATER SOIL HCL HNO ₃ ICE		Sambor		82250-0	the otrates tak	poole	901 West Wall St, Suite 100 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
			INZA					t	ĺ		# CONTAINERS					.Com		
(Circle) HAND DELIVERED	chiptiese	Sample Temperature		LAB USE				~ ~	1	8	BTEX 8021B TPH TX1005 (Ext TPH 8015M (GRC PAH 8270C Total Metals Ag As TCLP Metals Ag As	Ba Cd C	r Pb Se	_			(Circle	
FEDEX UPS	Special Report		RUSH: Same Day	KEMAKKS: Sta							TCLP Volatiles TCLP Semi Volatile RCI GC/MS Vol. 82601 GC/MS Semi. Vol. PCB's 8082 / 608 NORM	B / 624	325				or Specify	
Tracking #:	Special Report Limits or TRRP Report	Authorized	24 hr 48 hr	Standard TAT					X		PLM (Asbestos) Chloride 3000 Y Chloride Sulfat General Water Cl Anion/Cation Bala Asbestos	e TDS nemistry		tached	l list)		EQUEST Method No.)	
		((2 hr								Hold						- - Pa	age 16 of

Released to Imaging: 5/1/2025 11:46:21 AM



February 20, 2025

NICHOLAS POOLE TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: VACUUM SWD H #35

Enclosed are the results of analyses for samples received by the laboratory on 02/18/25 13:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 1 (20') (H250966-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/20/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.42	121	2.00	8.60	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	24						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1310	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	347	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	18						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 2 (16') (H250966-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/20/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.42	121	2.00	8.60	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1090	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	438	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 3 (12') (H250966-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	0.532	0.100	02/20/2025	ND	2.32	116	2.00	8.54	GC-NC1
Ethylbenzene*	1.10	0.100	02/20/2025	ND	2.42	121	2.00	8.60	GC-NC1
Total Xylenes*	7.59	0.300	02/20/2025	ND	7.45	124	6.00	9.59	GC-NC1
Total BTEX	9.22	0.600	02/20/2025	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	151	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	434	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	7840	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	1530	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	140	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	167	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 5 (8') (H250966-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	0.078	0.050	02/20/2025	ND	2.32	116	2.00	8.54	GC-NC
Ethylbenzene*	0.130	0.050	02/20/2025	ND	2.42	121	2.00	8.60	GC-NC
Total Xylenes*	1.29	0.150	02/20/2025	ND	7.45	124	6.00	9.59	GC-NC
Total BTEX	1.49	0.300	02/20/2025	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	92.5	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	7210	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	1540	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	155	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 7 (4') (H250966-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/19/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	0.078	0.050	02/19/2025	ND	2.42	121	2.00	8.60	GC-NC1
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1830	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	476	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 8 (4') (H250966-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	0.139	0.050	02/20/2025	ND	2.32	116	2.00	8.54	GC-NC1
Ethylbenzene*	0.561	0.050	02/20/2025	ND	2.42	121	2.00	8.60	GC-NC1
Total Xylenes*	0.870	0.150	02/20/2025	ND	7.45	124	6.00	9.59	GC-NC1
Total BTEX	1.57	0.300	02/20/2025	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.0	10.0	02/20/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	2580	10.0	02/20/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	1230	10.0	02/20/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 1 (0-4') (H250966-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/19/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.42	121	2.00	8.60	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1170	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	309	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 2 (0-4') (H250966-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/20/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	0.187	0.050	02/20/2025	ND	2.42	121	2.00	8.60	GC-NC1
Total Xylenes*	0.226	0.150	02/20/2025	ND	7.45	124	6.00	9.59	GC-NC1
Total BTEX	0.413	0.300	02/20/2025	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2030	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1360	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	355	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 3 (0-4') (H250966-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/20/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	0.075	0.050	02/20/2025	ND	2.42	121	2.00	8.60	GC-NC1
Total Xylenes*	<0.150	0.150	02/20/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2130	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1680	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	435	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 8 (0-4') (H250966-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/20/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.42	121	2.00	8.60	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2210	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	1270	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	494	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/20/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: BOYD PIT STOCK PILE (H250966-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.06	103	2.00	8.87	
Toluene*	<0.050	0.050	02/19/2025	ND	2.32	116	2.00	8.54	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.42	121	2.00	8.60	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.45	124	6.00	9.59	
Total BTEX	<0.300	0.300	02/19/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/19/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/19/2025	ND	183	91.7	200	0.260	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	183	91.7	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ceived by O	CD: 4/23	/2025 9::	34:56	AM			-		1	-	E	Cor	Rec	(cou		Proje	Client	Pa	ge 354 o
	Relinquished by: Relinquished by	Relinquished by:	5.0	00-	16	5	201	0	-	LAB USE	LAB#	Comments:	Receiving Laboratory:	(county, state)	Valuen	Project Name:	~ 4	4	ysis Reques
	by: Date: Time:	Saturada 2.18.25 Date:	Sur-3 (0-7) Sur-8 (0-9) Time	F. I	PS-B(Y)	25-7 (4)	FC-5 (16)	10	FS-1 (20)		SAMPLE IDENTIFICATION	1.0 (100.)	9 Pay Kates	LEA lovely	m Sul T Vor		*	letta iccu, mo	54 o
ORIGINAL COPY	Received by: Date: Time:	Received by: Date: Time	Received by 2: 07 11 Dete: Time: 1344	11:45	10:30	10:57	4:51	9:45		X:25 1:17 X	IME NATER SOIL	-	Sampler Signature:		Project#: 212C - 1410 - 63738	wich he poole & tate lack . Com	Site Manager: No dras los le	Fax (432) 082-19440	901 West Wall St. Suite 100 Midland, Texas 79701 Tel (432) 682-4559
(Cirde) HAND UCLIVERED FEDEX OPS fracking*	40,3°	Sample Temperature	LAB USE REMARKS: ONLY Standard TAT							*	BTEX 8021B TPH TX1005 TPH 8015M (PAH 8270C Total Metals / TCLP Metals TCLP Volatile TCLP Semi V RCI GC/MS Vol. 8 GC/MS Semi. PCB's 8082 / NORM PLM (Asbeste Chloride 3	(Ext to C (GRO - D Ag As Ba Ag As Ba es folatiles 8260B / 6 . Vol. 82 / 608 05) 0 % J	Cd Cr Pb a Cd Cr Pb a Cd Cr Pb si24 70C/625	Se Hg Se Hg			(Circle or Specify Method No.)	ANALYSIS REQUEST	
	RRP Rep	10 (A8 hr			1		1	\square	1	1	Anion/Cation		9				_		
	RP Report	Ann Ann						H		F			2				 Paç	ge 1	4 of 15

TA Date: Time 1344 Date: Time 1344 Date: Time 1344 Date: Time 1344 CF S.7 (Circle)	.25 /L: 40 × 0	WATER SOIL HCL	and Land Matrix		Gunty Project #: 212c -	blas.	Site Managery	Page Tetra Tech, Inc.
ALCOPY ALCOPY ALCOPY ALCOPY ALCOPY Date: Time: Time: Time: Circle	12:40 ×	TIME WATER SOIL HCL	AMPLING		120 -	hlas .	Site Managery	
Cricle)	++++	HNO3 ICE # CONTAINER	METHOD	he 2	410-05758	poole at telm tack can	Poule	901 West Wall St, Suite 100 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
BUSE REMARKS: Standard TAT NLY Imperature Imperature <tr< td=""><td>9 </td><td>PAH 8270C Total Metals A TCLP Metals A TCLP Volatile TCLP Semi V RCI GC/MS Vol. GC/MS Vol. GC/MS Semi PCB's 8082 NORM PLM (Asbest Chloride</td><td>5 (Ext to C35) 1 (GRO - DRO 3 Ag As Ba Cd (is Ag As Ba Cd (</td><td>Cr Pb Se Hg Cr Pb Se Hg Cr Pb Se H C/625</td><td>g</td><td></td><td>Circle or Specify Method No.)</td><td></td></tr<>	9 	PAH 8270C Total Metals A TCLP Metals A TCLP Volatile TCLP Semi V RCI GC/MS Vol. GC/MS Vol. GC/MS Semi PCB's 8082 NORM PLM (Asbest Chloride	5 (Ext to C35) 1 (GRO - DRO 3 Ag As Ba Cd (is Ag As Ba Cd (Cr Pb Se Hg Cr Pb Se Hg Cr Pb Se H C/625	g		Circle or Specify Method No.)	



February 21, 2025

NICHOLAS POOLE TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: VACUUM SWD H #35

Enclosed are the results of analyses for samples received by the laboratory on 02/20/25 9:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/20/2025	Sampling Date:	02/20/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 13 (4) @ 4' (H251005-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.13	107	2.00	4.81	
Toluene*	<0.050	0.050	02/20/2025	ND	2.16	108	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.22	111	2.00	0.985	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.85	114	6.00	1.65	
Total BTEX	<0.300	0.300	02/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/20/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2025	ND	227	113	200	1.98	
DRO >C10-C28*	<10.0	10.0	02/20/2025	ND	233	116	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/20/2025	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8 % 49.1-148		8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	y OCL	elinquished by:	1/23/2	22 Marts Stand	oy:	4.30	AM				P	(UABUSE)	LAB #	Hasions		Comments:	aboratory	ATA Receiving I shoreton:		VALUM d	Project Name:	Client Name:	age :
		Date: Time:	Date lime	S							3-13 (4) () 41		SAMPLE IDENTIFICATION				Carcinal lab	Pay Comos	LEA Loudy	oup # # 35			Tetra Tech, Inc.
OBICINAL CORV	, monthe of	Received hv-	Received by:	X	Received by:						2.20-27 8:30	DATE	1000	SAMPLING			Sampler Signature:		Project #: 2/2C -	hildes	Nic hulas Contact Info:	Site Manager:	
~	5		/ Da	mont	D						\$0 %	WATE	ER	MATRIX			same		10-03	. Poole C	Peule		901 Wes Midia
			Date: Time:	a. 202 s	Time:						X	HCL HNO ₃ ICE		METHOD	PRESERVATIVE				356	tehn task		Fax (432) 682-3946	901 West Wall St, Suite 100 Midland, Texas 79701
				I CID S		-	Ŧ		+		4	# CON								cam			
(Circle) HAND DELIVERED	3.8: #140	012/00	Vel	ONLY	LAB USE						X	BTEX TPH T TPH 8 PAH 8 Total M	X100 015M 270C letals	5 (Ext (GRC Ag As	D - DF Ba C	RO - C	b Se H				(Circ		
FEDEX UPS		Ņ			REMARKS:							TCLP N TCLP S RCI GC/MS GC/MS	/olatil Semi \ Vol.	es /olatile 8260E	es 3 / 624	4		Hg			ANALYSIS le or Speci		
oS Tracking #:	Special Report Limits or TRRP Report	Rush Charges Authorized	Same Day (24 hr								_	PCB's NORM PLM (A Chloride Chlorid	8082 sbest	/ 608 os) O Sulfate	75 F	o o DS					REQUEST fy Method No		
	Report)48 hr 72 hr	-								Genera Anion/C Asbeste	al Wa Cation	ter Ch	emist		e attac	ched li	st)		<u>.</u>		
					ł	+	-	+	-	-		Hold	-	_	-	_						Pag	e 4 o

Released to Imaging: 5/1/2025 11:46:21 AM



February 24, 2025

NICHOLAS POOLE TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: VACUUM SWD H #35

Enclosed are the results of analyses for samples received by the laboratory on 02/21/25 12:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 1 (8') (H251048-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	113	2.00	6.03	
Toluene*	<0.050	0.050	02/21/2025	ND	2.23	111	2.00	1.24	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.28	114	2.00	0.453	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.98	116	6.00	0.0800	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	68.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 2 (8') (H251048-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	113	2.00	6.03	
Toluene*	<0.050	0.050	02/21/2025	ND	2.23	111	2.00	1.24	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.28	114	2.00	0.453	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.98	116	6.00	0.0800	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 3 (8') (H251048-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	113	2.00	6.03	
Toluene*	<0.050	0.050	02/21/2025	ND	2.23	111	2.00	1.24	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.28	114	2.00	0.453	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.98	116	6.00	0.0800	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: SW - 8 (4') (H251048-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	113	2.00	6.03	
Toluene*	<0.050	0.050	02/21/2025	ND	2.23	111	2.00	1.24	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.28	114	2.00	0.453	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.98	116	6.00	0.0800	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 1 (22') (H251048-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.25	113	2.00	6.03	
Toluene*	<0.050	0.050	02/21/2025	ND	2.23	111	2.00	1.24	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.28	114	2.00	0.453	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	6.98	116	6.00	0.0800	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	28.3	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 2 (18') (H251048-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.17	109	2.00	1.99	
Toluene*	<0.050	0.050	02/21/2025	ND	2.31	116	2.00	2.46	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.36	118	2.00	4.10	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.07	118	6.00	4.70	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 3 (18') (H251048-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.17	109	2.00	1.99	
Toluene*	<0.050	0.050	02/21/2025	ND	2.31	116	2.00	2.46	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.36	118	2.00	4.10	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.07	118	6.00	4.70	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>88.3</i>	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 5 (12') (H251048-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.17	109	2.00	1.99	
Toluene*	<0.050	0.050	02/21/2025	ND	2.31	116	2.00	2.46	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.36	118	2.00	4.10	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.07	118	6.00	4.70	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 7 (8') (H251048-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.17	109	2.00	1.99	
Toluene*	<0.050	0.050	02/21/2025	ND	2.31	116	2.00	2.46	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.36	118	2.00	4.10	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.07	118	6.00	4.70	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2025	Sampling Date:	02/21/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	VACUUM SWD H #35	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03738	Sample Received By:	Tamara Oldaker
Project Location:	BTA - LEA COUNTY, NM		

Sample ID: FS - 8 (8') (H251048-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2025	ND	2.17	109	2.00	1.99	
Toluene*	<0.050	0.050	02/21/2025	ND	2.31	116	2.00	2.46	
Ethylbenzene*	<0.050	0.050	02/21/2025	ND	2.36	118	2.00	4.10	
Total Xylenes*	<0.150	0.150	02/21/2025	ND	7.07	118	6.00	4.70	
Total BTEX	<0.300	0.300	02/21/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2025	ND	224	112	200	1.53	
DRO >C10-C28*	<10.0	10.0	02/22/2025	ND	213	107	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	02/22/2025	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

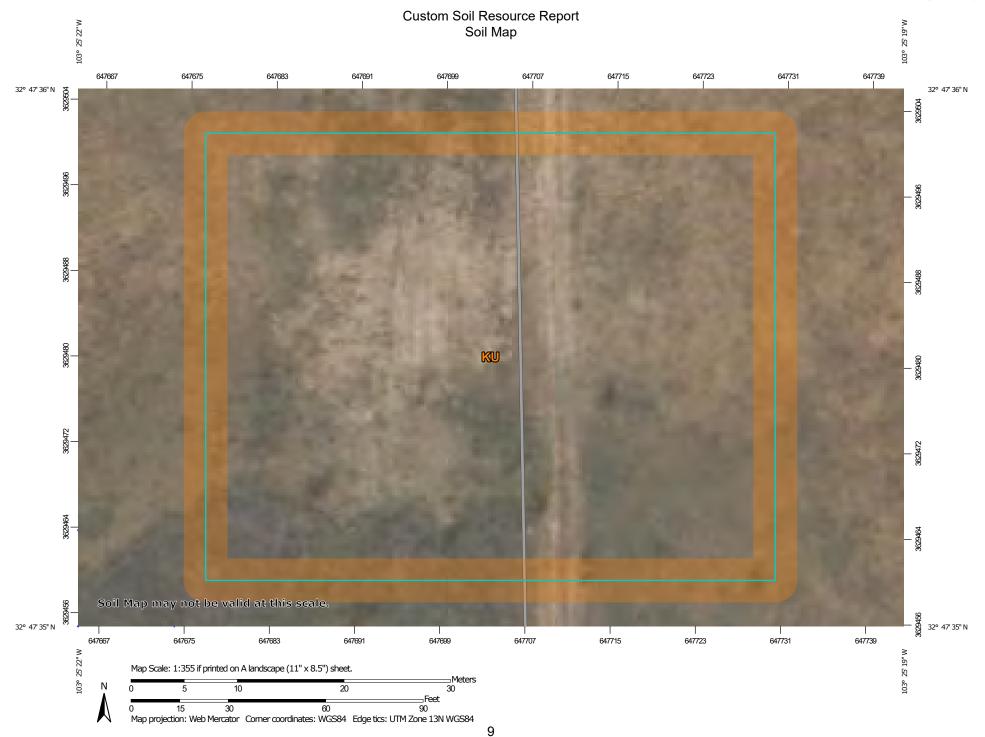
Celey D. Keene, Lab Director/Quality Manager

, u oy	CD: Adiinquished by:	(23) 20 elinquished by:	alle.	Selinquished by:	PS-	FJ.	FS.	D PC-	1	- m8 C	- 8m-	1 500.	(LAB USE)	LAB #	HES 1048		An Ch	Boosing showing	(county, state)	Vacuum Project location:	Project Name:	
	Date: Time:	Date: Time:	1	Date: Time:	-	5 (12)	~		8	3(8)	2 (8')	1 (3)		SAMPLE IDENTIFICATION			reline 1 lab	Ray annes	EA County	25# H CM8		Page 37 Page 37 Tetra Tech, Inc.
ORIGINAL COPY	Received by:	Received by:	A second	Received hv.						~	-	2-21-25	DATE	YEAR:	SAMPLING		Sampier Signature		Project#: 2/2	Nie	Site Manager:	
NPY			mara d	12:01	11:46	62:01	9:50	02:4	9:00	8:30	8:15	8.00 ×	TIME WATE SOIL	R	ING MATRIX		to Shack		C- MD	chelas. poole	ichiles p	901 W M T F
	Date: Time:	Date: " Time	lala Su									8	HCL HNO ₃ ICE		C PRESERVATIVE METHOD		p		82620-	e el tetra	hole	901 West Wall St, Suite 100 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
			1243								-	4	# CONT		-					tech. com		
(Circle) HAND DELIVERED	#140 3.4e/3.7e	Sample Temperature	LAB USE									4 ×	BTEX 8 TPH TX TPH 80 PAH 82 Total Me TCLP Me	1005 15M (70C tals A	GRO -	DRO - C	Pb Se I	-			(Circl	
ERED FEDEX UPS		RUSH	REMARKS:										TCLP Vo TCLP Se RCI GC/MS V GC/MS S PCB's 8	/ol. 8 Semi,	olatiles 260B / Vol. 82	624	_				ANALYSIS RE	
Tracking #:	Special Report Limits or TRRP Report	Same Day 24 hr 48 hr	Standard TAT								-	X	PCB'S 8 NORM PLM (Asi Chloride Chloride General	besto: 200-0 St	s) 45 Ilfate	TDS histry (se	ee atta	ched lis	st)		REQUEST fy Method No.)	
	Report	hr 72 hr											Anion/Ca Asbestos	ation							Pa	age 13 of

.

APPENDIX G NMSLO Seed Mixture Details

Received by OCD: 4/23/2025 9:34:56 AM



•

Custom Soil Resource Report

MAP L	EGEND	MAP INFORMATION
Area of Interest (AOI) Area of Interest (AOI) Soils Soil Map Unit Polygons ✓ Soil Map Unit Points Special Point Features Blowout ✓ Borrow Pit ✓ Clay Spot ✓ Closed Depression ✓ Gravel Pit	EGEND Spoil Area Stony Spot Stony Spot Very Stony Spot Very Stony Spot Vert Spot Other Vater Features Vater Features Special Line Features Vater Features Streams and Canals Transportation Features Line Rails Line State Highways VIS Routes	The soil surveys that comprise your AOI were mapped at 1:20,000. Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL:
 Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop 	Major RoadsLocal RoadsBackgroundEach Acrial Photography	Coordinate System: Web Mercator (EPSG:3857) Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Soil Survey Area: Lea County, New Mexico
 Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot 		Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 21, Sep 3, 2024 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020 The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.6	100.0%
Totals for Area of Interest		0.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46 Elevation: 2,500 to 4,800 feet Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent *Lea and similar soils:* 25 percent *Minor components:* 30 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Kimbrough

Setting

Landform: Playa rims, plains *Down-slope shape:* Convex, linear *Across-slope shape:* Concave, linear *Parent material:* Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam Bw - 3 to 10 inches: loam Bkkm1 - 10 to 16 inches: cemented material Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

Description of Lea

Setting

Landform: Plains Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam Bk - 10 to 18 inches: loam Bkk - 18 to 26 inches: gravelly fine sandy loam Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

Kenhill

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY038TX - Clay Loam 12-17" PZ Hydric soil rating: No

.

Custom Soil Resource Report

Spraberry

Percent of map unit: 6 percent Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Linear Ecological site: R077DY049TX - Very Shallow 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

NMSLO Seed Mix

Coarse (CS)

COARSE (CS) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX	
Grasses:				
Sand bluestem	VNS, Southern	2.0	F	
Sideoats grama	Vaughn, El Reno	2.0	F	
Blue grama	Hachita, Lovington	1.5	D	
Little bluestem	Cimmaron, Pastura	1.5	F	
Sand dropseed	VNS, Southern	1.0	S	
Plains bristlegrass	VNS, Southern	0.75	D	
Forbs:				
Parry penstemon	VNS, Southern	1.0	D	
Desert globemallow	VNS, Southern	1.0	D	
White prairieclover	Kaneb, VNS	0.5	D	
Sulfur buckwheat	VNS, Southern	0.5	D	
Shrubs:				
Fourwing saltbush	VNS, Southern	1.0	D	
Skunkbush sumac	VNS, Southern	1.0	D	
Common winterfat	VNS, Southern	1.0	F	
Fringed sagewort	VNS, Southern	0.5	F	
	Total PLS/acr	e 18.25		

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

• VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.

- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/ nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2 053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/ home/?cid=nrcs142p2 053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/ detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/ nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/? cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

7	- 2.0		C 1	00
Page	- 	4 0	7 3	Y)
LUSU	00	TU	10	/ /

QUESTIONS

Action 454605

QUESTIONS		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	454605	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313058428
Incident Name	NAPP2313058428 VACUUM SWD H #035 @ 30-025-20207
Incident Type	Other
Incident Status	Reclamation Report Received
Incident Well	[30-025-20207] VACUUM SWD H #035

Location of Release Source

Please answer all the questions in this group.	
--	--

Site Name	VACUUM SWD H #035
Date Release Discovered	05/10/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.		
Incident Type	Other	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page	385	of 392
------	-----	--------

QUESTIONS, Page 2

Action 454605

QUESTIONS (continued)		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	454605	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why Not answered. Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative		
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetratech Email: Samantha.allen@tetratech.com Date: 04/23/2025	

BTA OIL PRODUCERS, LLC

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Operator:

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

OGRID

260297

QUESTIONS, Page 3

Page 386 of 392

Action 454605

20110110, 1 ugo 1

104 S Pecos Midland, TX 79701			Action Number: 454605
			Action Type:
			[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS			
Site Characterization			
Please answer all the questions in release discovery date.	this group (only required when seeking remediation plan approva	l and beyond). 1	his information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest dep release in feet below groun	th to groundwater beneath the area affected by the d surface (ft bgs)	Between 51	and 75 (ft.)
What method was used to	determine the depth to ground water	Direct Meas	surement
Did this release impact gro	undwater or surface water	No	
What is the minimum distan	ce, between the closest lateral extents of the release a	nd the followi	ng surface areas:
A continuously flowing wate	ercourse or any other significant watercourse	Greater tha	n 5 (mi.)
Any lakebed, sinkhole, or p	laya lake (measured from the ordinary high-water mark)	Between 1/2	and 1 (mi.)
An occupied permanent res	sidence, school, hospital, institution, or church	Greater tha	n 5 (mi.)
A spring or a private domes for domestic or stock water	stic fresh water well used by less than five households ing purposes	Greater tha	n 5 (mi.)
Any other fresh water well of	or spring	Greater tha	n 5 (mi.)
Incorporated municipal bou	indaries or a defined municipal fresh water well field	Greater tha	n 5 (mi.)
A wetland		Greater tha	n 5 (mi.)
A subsurface mine		Greater tha	n 5 (mi.)
An (non-karst) unstable are	a	Greater tha	n 5 (mi.)
Categorize the risk of this v	vell / site being in a karst geology	Low	
A 100-year floodplain		Greater than 5 (mi.)	
Did the release impact area storage site	as not on an exploration, development, production, or	No	
Remediation Plan			
	at apply or are indicated. This information must be provided to the	e appropriate dis	trict office no later than 90 days after the release discovery date.
	plan approval with this submission	Yes	
			e release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
		Yes	
	: (Provide the highest observable value for each, in millig	No Irams per kilor	irams)
Chloride	(EPA 300.0 or SM4500 CI B)	6530	
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	28000	
GRO+DRO	(EPA SW-846 Method 8015M)	22490	
BTEX	(EPA SW-846 Method 8021B or 8260B)	187	
Benzene	(EPA SW-846 Method 8021B or 8260B)	2.6	
Per Subsection B of 19.15.29.11 N	``````````````````````````````````````		tion, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
	Il the remediation commence	04/24/2025	
	ne final sampling or liner inspection occur	04/28/2025	
. , ,	the remediation complete(d)	04/28/2025	
. ,	ace area (in square feet) that will be reclaimed	2860	
	me (in cubic yards) that will be reclaimed	679	
	ace area (in square feet) that will be remediated	2860	
	/hat is the estimated sollace area (in square reet) that will be remediated 22860 /hat is the estimated volume (in cubic yards) that will be remediated 679		
			n and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propose		ordance with the	physical realities encountered during remediation. If the responsible party has any need to

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)				
Operator:	OGRID:			
BTA OIL PRODUCERS, LLC	260297			
104 S Pecos	Action Number:			
Midland, TX 79701	454605			
	Action Type:			
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)			
QUESTIONS				
Remediation Plan (continued)				
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.			
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:			
(Select all answers below that apply.)				
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes			
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]			
OR which OCD approved well (API) will be used for off-site disposal	Not answered.			
OR is the off-site disposal site, to be used, out-of-state	No			
OR is the off-site disposal site, to be used, an NMED facility	No			
x Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) No				
(In Situ) Soil Vapor Extraction	No			
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No			
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No			
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No			
Ground Water Abatement pursuant to 19.15.30 NMAC	No			
OTHER (Non-listed remedial process)	No			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
I hereby certify that the information given above is true and complete to the best of my k	nowledge and understand that pursuant to OCD rules and regulations all operators are required			
	ses which may endanger public health or the environment. The acceptance of a C-141 report by			
	dequately 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 local laws and/or regulations.	does not relieve the operator of responsibility for compliance with any other federal, state, or			
iocariaws and/or regulations.				
	Name: Samantha Allen			
I hereby agree and sign off to the above statement	Title: Tetratech Email: Samantha.allen@tetratech.com			

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 4

Action 454605

Page 387 of 392

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 388 of 392

QUESTIONS, Page 5

Action 454605

QUESTIONS (continued)		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	454605	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QU	ES	TIC	NS N

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Page 389 of 392

Action 454605

QUESTIONS (continued)		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	454605	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	430197	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2025	
What was the (estimated) number of samples that were to be gathered	22	
What was the sampling surface area in square feet	2800	

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2891
What was the total volume (cubic yards) remediated	1428
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2891
What was the total volume (in cubic yards) reclaimed	1428
Summarize any additional remediation activities not included by answers (above)	From February 13 to February 26, 2025, Tetra Tech personnel were onsite to supervise the remediation and reclamation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. On February 10, 2025, the NMOCD and ECO were provided proper notification of confirmation sampling. The areas within the release footprint were excavated to a maximum depth of 22 feet below surrounding grade. All excavated material was transported off-site for proper disposal. Approximately 1428 cubic yards of material were transported to the R360 Halfway Landfill in Hobbs, New Mexico. Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify the efficacy of remediation activities. Per the NMOCD-approved confirmation sample glan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. A total of fourteen (14) confirmation floor sample locations and eight (8) confirmation sidewall sample locations were used during remedial activities.
The responsible party must attach information demonstrating they have complied with all applicable of comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field , final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for releas the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetratech Email: Samantha.allen@tetratech.com Date: 04/23/2025

Released to Imaging: 5/1/2025 11:46:21 AM

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 390 of 392

QUESTIONS, Page 7

Action 454605

QUESTIONS (continued)		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	454605	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	Yes	
What was the total reclamation surface area (in square feet) for this site	2891	
What was the total volume of replacement material (in cubic yards) for this site	1428	
	four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes	
On what (estimated) date will (or was) the reseeding commence(d)	03/19/2025	
Summarize any additional reclamation activities not included by answers (above)	Based on 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-ofcustody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500CI-B. The analytical results were directly compared to the reclamation requirements and established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The area was seeded following backfilling to aid in revegetation. Based on the soils of the site, the NMSLO Course (CS) Seed Mixture was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site.	
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.		
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete. Name: Samantha Allen Title: Tetratech Email: Samantha.allen@tetratech.com Date: 04/23/2025	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	454605
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied

Requesting a restoration complete approval with this submission

No Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete

Page 391 of 392

Action 454605

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

	Page	<i>392</i>	of 392
--	------	------------	--------

CONDITIONS

Action 454605

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	454605
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS				
Created By	Condition	Condition Date		
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	5/1/2025		