Environmental & Safety Solutions, Inc.

SITE CHARACTERIZATION REMEDIATION PLAN

Culebra Bluff Section 26 CS

Eddy County, New Mexico

Incident Number nAPP2300944487

Prepared For:

Chevron USA, Inc.

6301 Deauville Blvd.

Midland, TX 79706

Carlsbad ● Houston ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Site Characterization Remediation Plan (SCRP) detailing current remediation activities and a corrective action plan for an inadvertent release of crude oil at the Culebra Bluff Section 26 CS (Site) (**Figure 1** in **Appendix A**). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron proposes this SCRP, which details remediation objectives to rectify environmental impacts at the Site, which includes deferral residual impacted soil within an infrastructure area associated with multiple aboveground equipment, surface and subsurface lines for the safety of onsite personnel and requesting No Further Action (NFA) until the Site undergoes major deconstruction or plugging and abandonment (P&A), whichever comes first.

SITE LOCATION AND BACKGROUND

On December 27, 2022, a solenoid malfunction resulting in a pump failure caused the release of approximately 7.124 barrels (bbls) of crude oil onto the pad surface. No free-standing fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 1, 2023, and was subsequently assigned Incident Number nAPP2300944487. On January 18 and February 2, 2023, Etech conducted a site assessment and preliminary delineation activities to assess the presence and/or absence of impacts at the Site. Based on visual observation and field screening results from delineation activities, excavation appeared warranted.

The Site was reported on the Form C-141 to be located in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.277825°, -104.054325°) and associated with oil and gas exploration and production operations on Private Land.

The location of the release is located northwest of the original provided coordinates in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County New Mexico (32.278086°, -104.054577°).

A Closure Request was submitted to the NMOCD but was denied on April 17, 2024, for not providing definition of the edge of the release via delineation soil sampling. On April 30, 2024, Etech visited the Site to collect horizontal delineation samples as requested by the NMOCD. It was determined that de minimis impacted soil was present surrounding the subject release area which required more extensive delineation soil sampling to fully characterize potentially unrelated impacts. Due to recent findings from continued delineation laboratory activities, Chevron has prepared this SCRP to propose a corrective action for nAPP2300944487.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;

- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

The nearest, current (less than 25 years old) permitted water well with depth to water data is New Mexico Office of the State Engineer (NMOSE) well C-03535, located approximately 0.72 miles southeast of the Site (**Figure 1A** in **Appendix A**). NMOSE well C-03535 has a reported depth of water 25 feet below ground surface (bgs) from 2012. The well record is provided in **Appendix B**.

The Site is located within a medium karst potential area and all other potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	(Environmental Protection Agency) EPA 300.0	600 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†*The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13*.

EXCAVATION SOIL SAMPLING ACTIVITIES

On July 5, 2023, Etech personnel oversaw the excavation of identified impacts based on laboratory analytical results and visual observations via mechanical equipment. Excavation activities were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of soil, Etech collected 5-point composite confirmation excavation soil samples at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Floor soil samples were collected from approximately 6 inches bgs. Due to the shallow excavation depth, sidewall soil samples were included in the floor soil samples. The soil samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas, for analysis of COCs. The location of confirmation excavation soil samples and excavation area (AOC #1) is shown in **Figure 2** in **Appendix A**.

Impacted soil removed from the Site was transported to a licensed and approved landfill under Chevron approved waste manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. Photographic documentation of excavation activities is included in **Appendix C**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

LATERAL DELINEATION SOIL SAMPLING ACTIVITIES

On April 30, 2024, Etech visited the Site to collect horizontal delineation samples as requested by the NMOCD. Twelve boreholes (BH01 through BH12) were advanced via hand auger, which were driven by field screening soil samples as previously described or until advancement refusal. It was determined that de minimis impacted soil was present surrounding the subject release area. No samples were submitted for laboratory analysis at that time as heavy equipment was warranted to achieve full delineation. Elevated field screening results for chloride ranged from 632 mg/kg to 4,764 mg/kg. VOC concentrations via the PID were non-detectable. Delineation of soil sample locations and chloride field screening results are shown on **Figure 3** in **Appendix A**.

DELINEATION SOIL SAMPLING ACTIVITIES

On July 17, 2024, Etech conducted delineation activities to assess the presence or absence of residual impacts associated with the AOC. Eight boreholes (BH01 through BH08) were advanced via heavy equipment which were driven by field screening soil samples for VOCs using a PID and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples per delineation sampling location were collected for laboratory analysis, representing the highest observed field screened concentrations and the greatest depth. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Appendix C**. The locations of the delineation soil samples were mapped with a handheld GPS unit and are shown in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated COC concentrations were below the Site Closure Criteria, however, soil samples BH04 and BH06 (AOC #2 on **Figure 2** in **Appendix A**) exceeded the Closure Criteria at 0.5-foot bgs. Laboratory analytical results are summarized in **Table 1** as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.

PROPOSED REMEDIATION PLAN

Based on the delineation soil sample laboratory analytical results, the following conclusions regarding the release are presented:

- Based on laboratory analytical results, TPH, BTEX and benzene concentrations were below the Site Closure Criteria for all analyzed soil samples.

- Based on laboratory analytical results, chloride concentrations exceeding the Closure Criteria exist at 0.5-foot bgs at BH04 and BH06. Chloride concentrations were below the Closure Criteria for all other delineation soil samples.
- Concentrations of all the COCs for the terminus delineation soil samples from each sampling location were below the applicable Site Closure Criteria, providing sufficient vertical delineation.
- Vertical delineation within the previous excavation was achieved via confirmation sampling.

Based on the conclusion drawn above, Chevron proposes the following remedial corrective actions:

- Based off delineation laboratory analytical results, Chevron proposes to excavate a minimum of 1-foot bgs within proximity of delineation soil sampling locations BH04 though BH06 (approximately 52 cubic yards). The excavation will extend laterally until the concentrations of the COCs for confirmation soil sample results are in accordance with the applicable Site Closure Criteria. The proposed excavation is presented on **Figure 4** in **Appendix A.**
- The proposed excavation may require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. In which case, Chevron and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
    i. Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
    ii. Inducing a change in proposed excavation(s) depth(s) around one or more utilities.
- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, Chevron will determine the appropriate measure of corrective actions that will include:
    i. Documenting the removal of impacted soil at the Site with a subsequent Report detailing assessment, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with lean, locally sourced soil and restored to "as close to its original state as possible."
- Chevron estimates residual impacts within the infrastructure area to not exceed 4 feet bgs based on field screening and laboratory data collected within and around the AOC. Additional vertical delineation within the previously excavated area will be performed to confirm as well as other areas within and around the infrastructure area via discrete sampling. Once supplemental vertical delineation is achieved, Chevron will request to defer residual impacted soil that cannot be safely removed within multiple aboveground equipment, surface and subsurface lines for the safety of onsite personnel. A deferral request summarizing estimated residual impacts and detailed corrective action summary will be prepared for NMOCD following remediation activities associated with the Site.

SCRP PROPOSAL

Chevron believes residual soil impacts associated with the inadvertent release were initially excavated and removed from the Site based on the reportable volume, visual observation from the initial assessment and laboratory analytical results from confirmation excavation soil samples. However, based on the recent site

review and laboratory results from delineation soil sampling activities conducted around the AOC, further remediation is warranted.

Remediation activities will begin within 90 days following the approval of this SCRP, which will include excavation of the area associated with BH04 and BH06 and collecting all delineation soil sample laboratory data to complete a deferral request for NMOCD based on the current Site conditions.

Chevron believes this SCRP will meet requirements set forth in NMAC 19.15.29.13 and be a balanced protection of human health, the environment and groundwater. As such, Chevron respectfully requests approval of this SCRPA from NMOCD. If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or erick@etechenv.com. Documentation of correspondence and notifications regarding Incident Number nAPP2220225509 is presented as **Appendix G**. Previously submitted reports are located in **Appendix H**. The NMOCD incident file link with incident events and additional correspondence can be found here.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Abraham Valladares
Project Coordinator

Joseph S. Hernandez
Senior Managing Geologist

cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division

Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Soil Sample Locations
Figure 3: NMOCD Requested Soil Sampling Locations
Figure 4: Proposed Remediation Area
Appendix B: Referenced Well Records
Appendix C: Soil Sampling Logs
Appendix D: Photographic Log
Appendix E: Tables
Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G: Correspondence & Notifications
Appendix H: Archived Reports

APPENDIX A

Figures

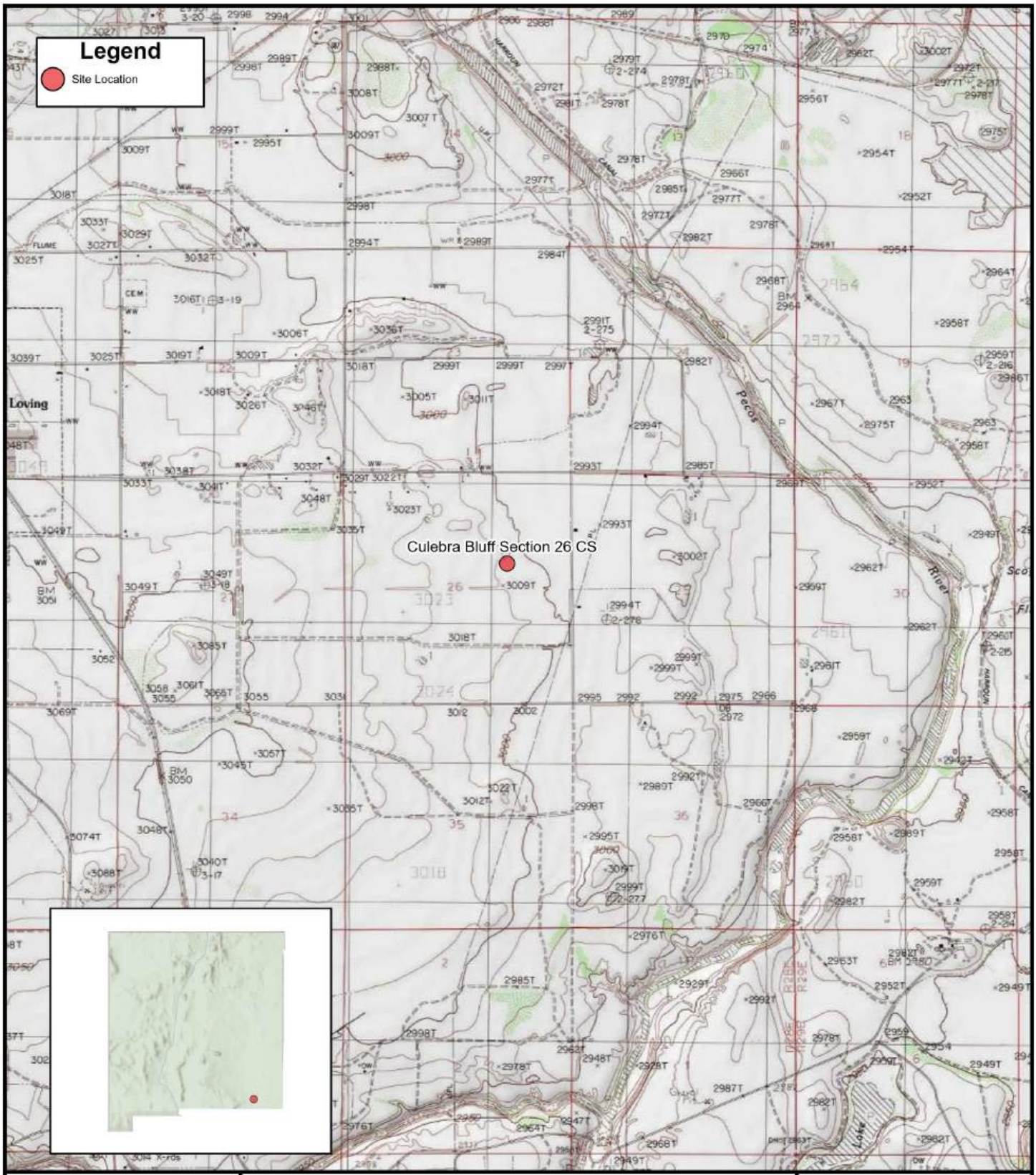

FIGURE 1

Site Location Map

Chevron U.S.A., Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 2,000 4,000 Feet

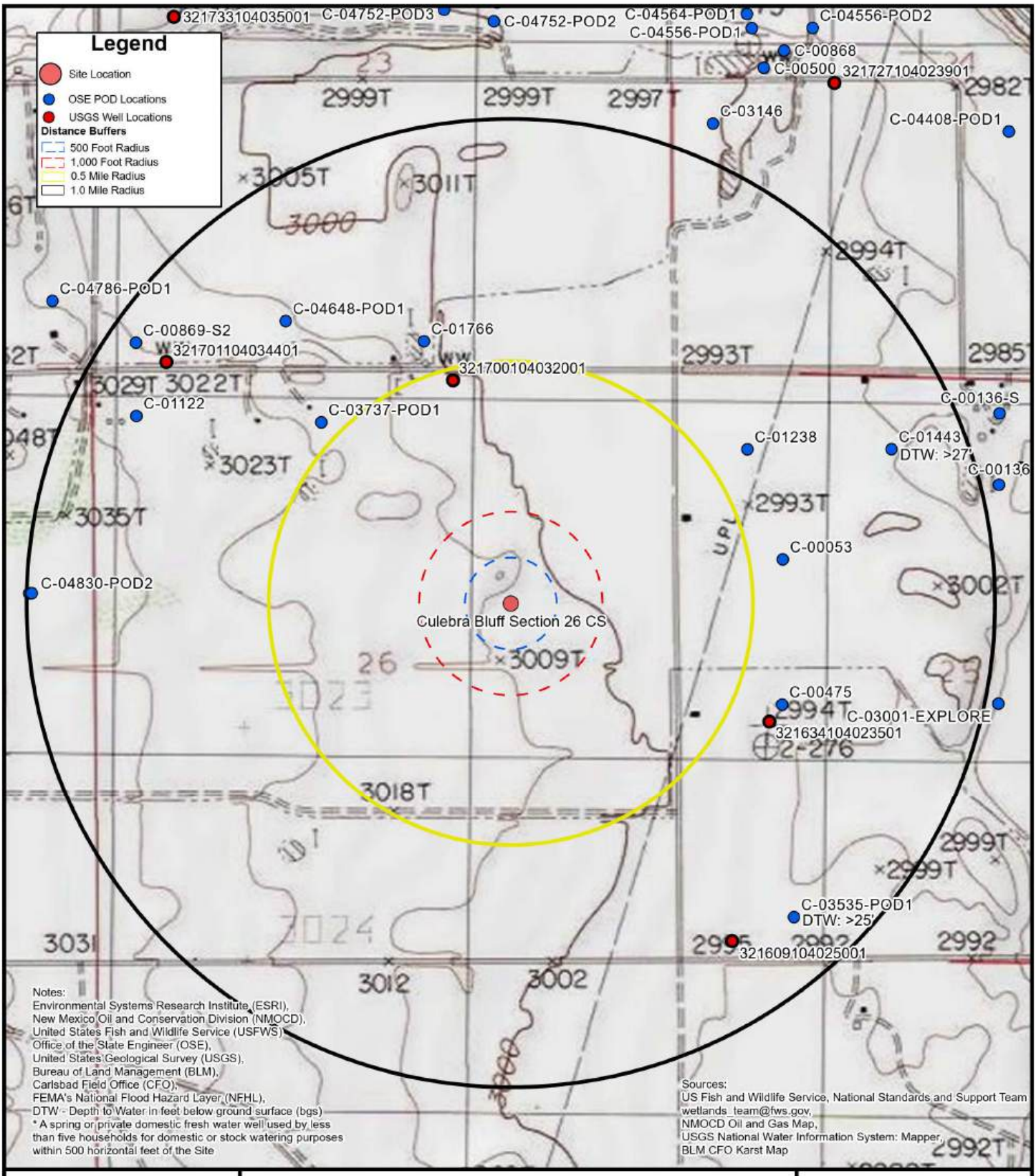

FIGURE 1A

Site Characterization Map

Groundwater

Chevron U.S.A., Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

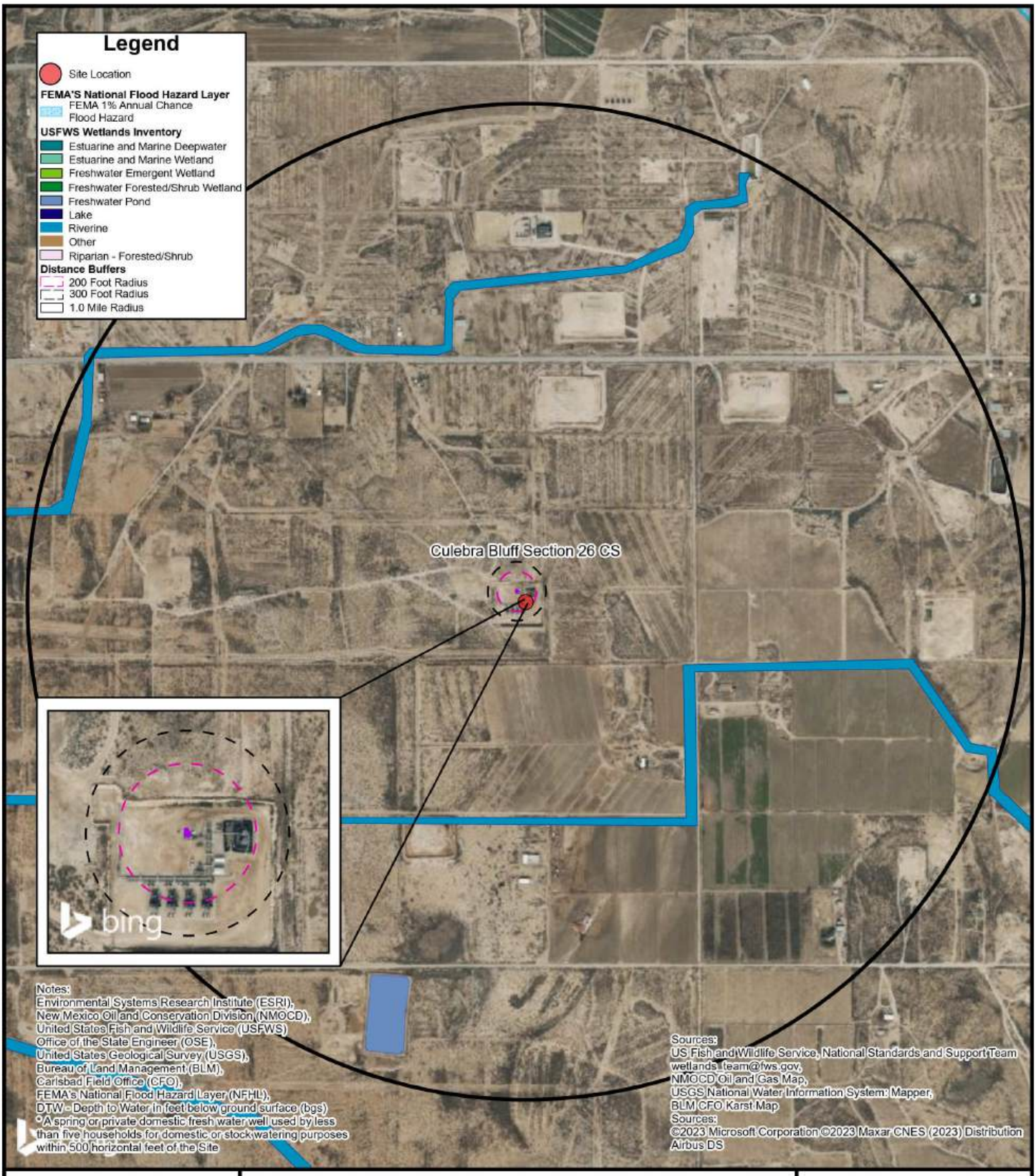

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FIGURE 1B

Site Characterization Map
Surficial Receptors

Chevron U.S.A., Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 500 1,000 Feet

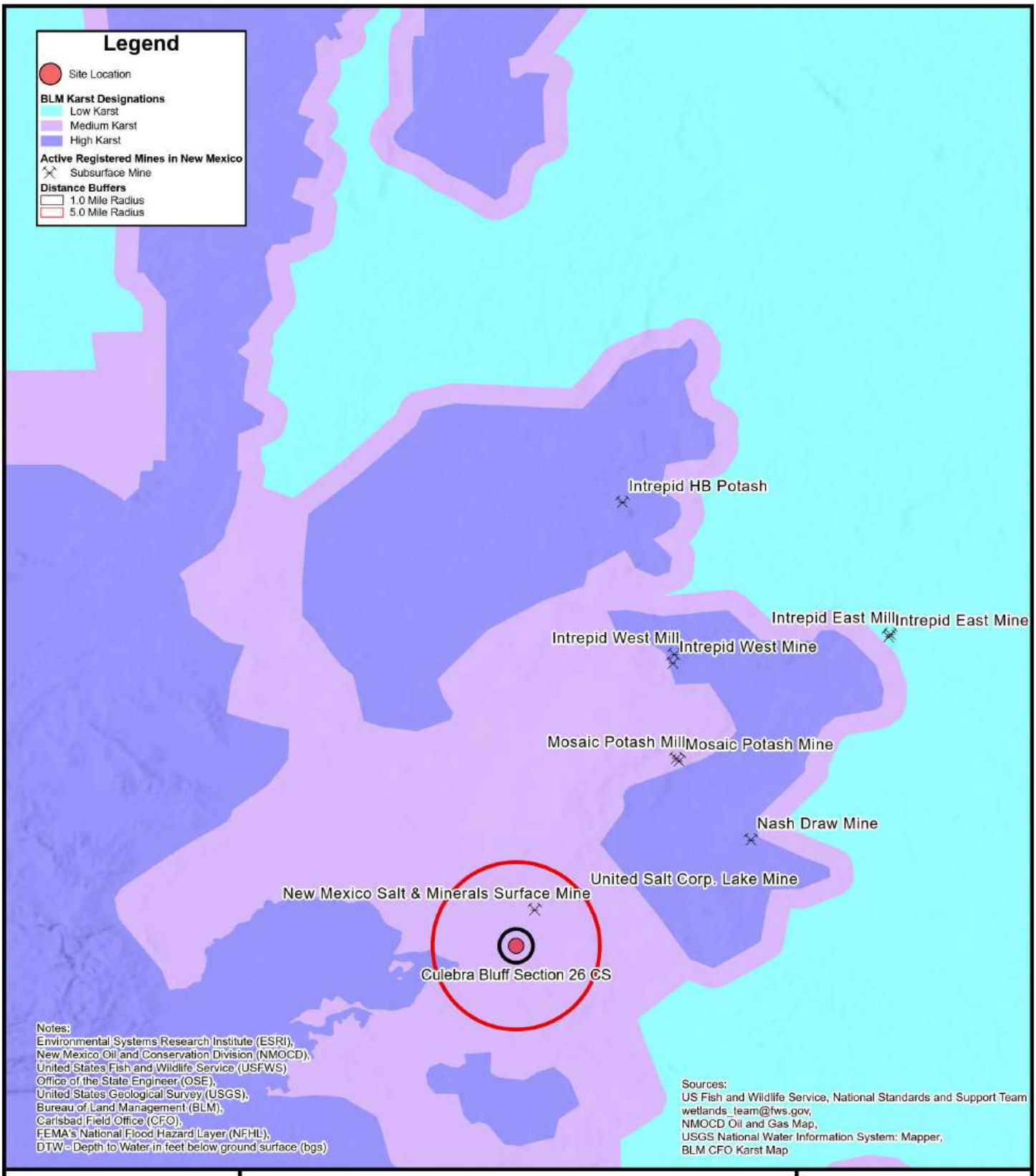

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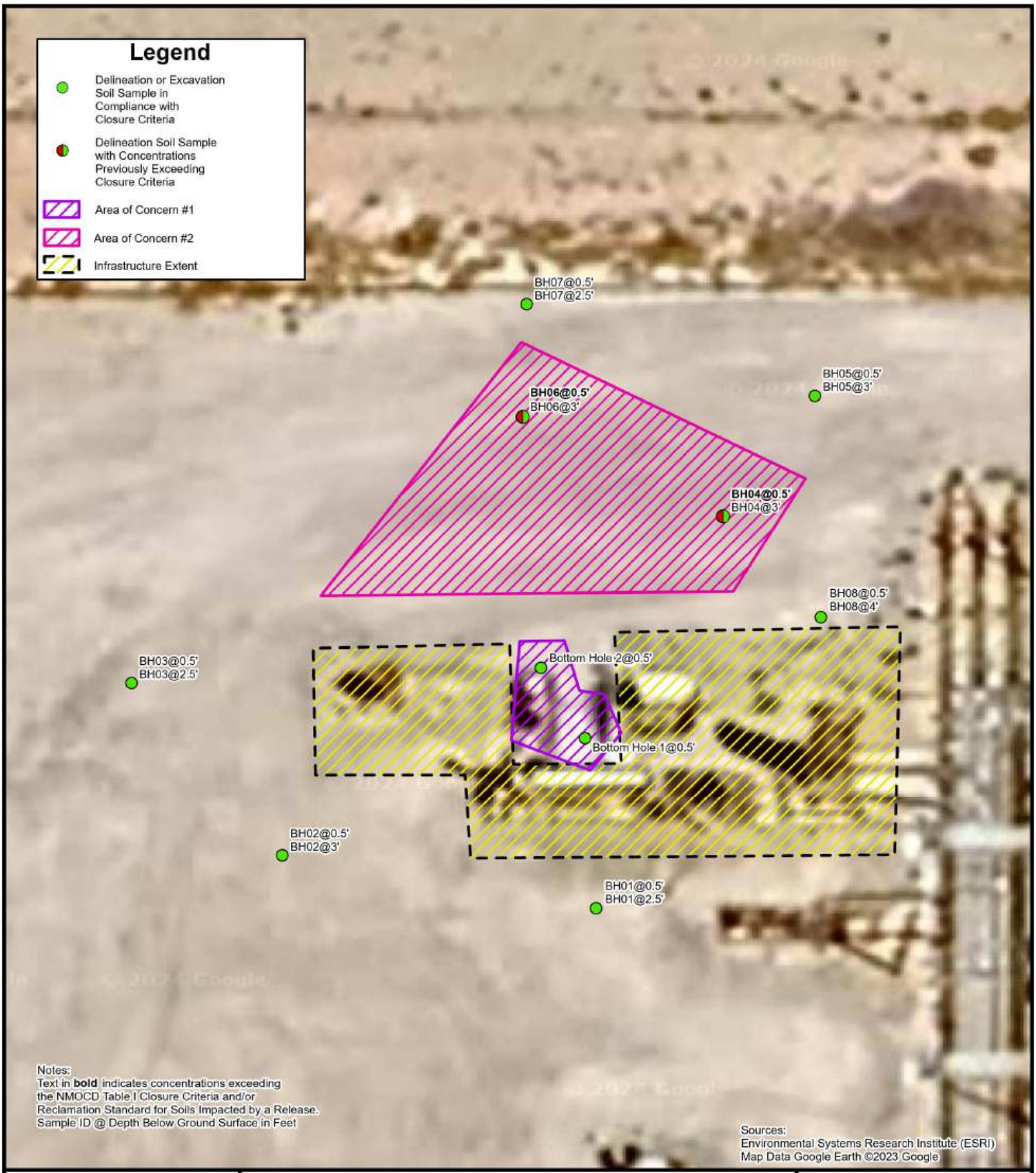
FIGURE 1C

Site Characterization Map
Subsurface Receptors

Chevron U.S.A., Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 20,000 40,000 Feet



eTECH

FIGURE 2

Soil Sampling Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 11.5 23 Feet

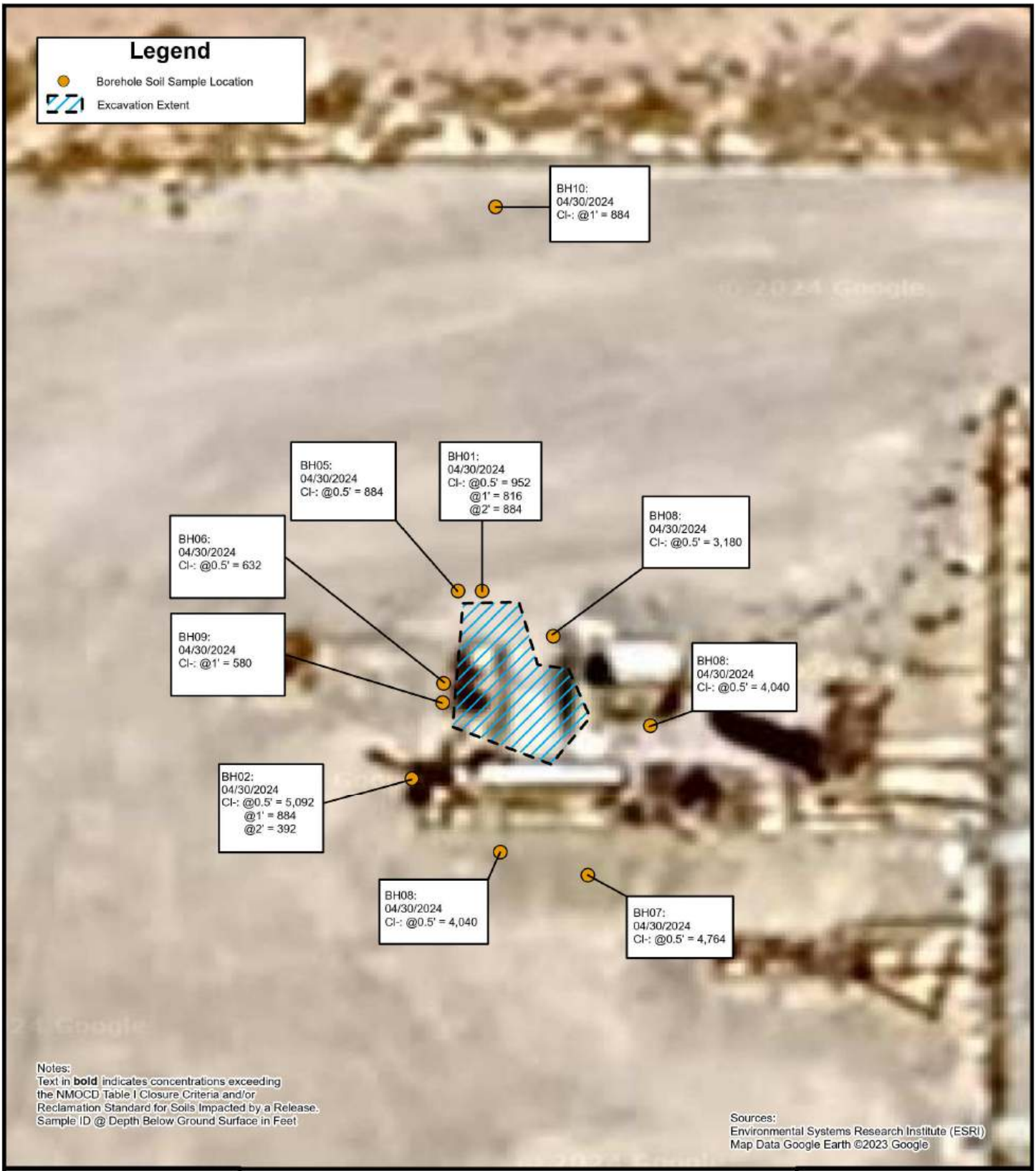


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FIGURE 3

NMOCD Requested Soil Sampling Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 9 18 Feet

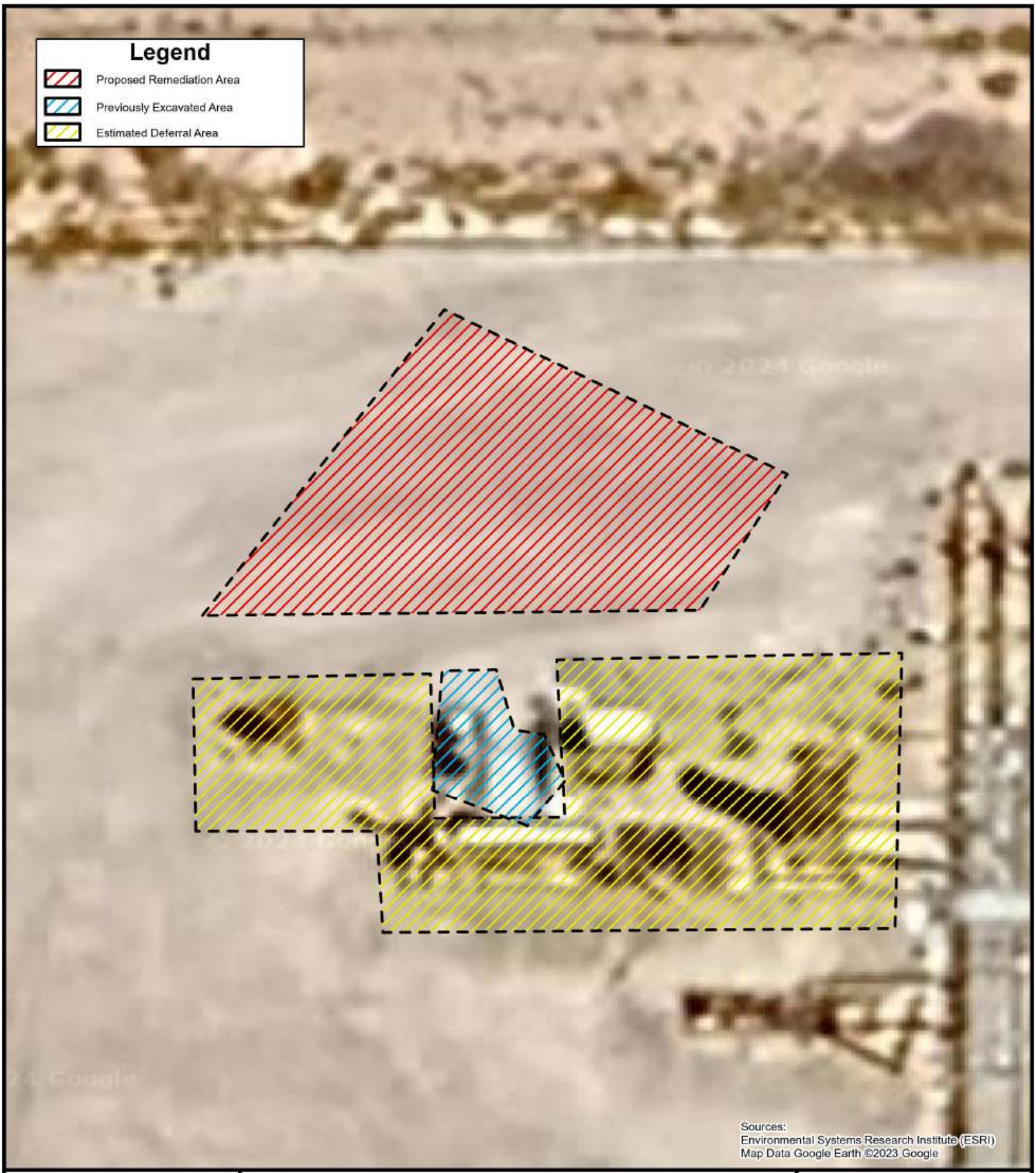

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FIGURE 4

Proposed Remediation Area

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 9.5 19 Feet

APPENDIX B

Referenced Well Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 APR 26 A 10: 55

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER): POD 1	OSE FILE NUMBER(S): C-3535
WELL OWNER NAME(S): Coley Burgess	PHONE (OPTIONAL): 575-200-7449
WELL OWNER MAILING ADDRESS: Box 128	CITY: Lang STATE: NM ZIP: 88256

WELL LOCATION (FROM GPS)

	DEGREES	MINUTES	SECONDS	
LATITUDE	32	16	11.6	N
LONGITUDE	104	02	45.1	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS:

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
NE¼	SE¼	SW¼	SW¼	25	23S ☐ NORTH ☒ SOUTH	28 ☒ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1626	Roy A. Taylor	Eco/Enviro Drilling LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4-6-12	4-8-12	211	210	170

STATIC WATER LEVEL IN COMPLETED WELL (FT): 25

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)

DRILLING FLUID: ☐ AIR ☒ MUD ☐ ADDITIVES – SPECIFY:

DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	110	10	PVC	Glue	5.993	0.316	NA
110	210	10	PVC	Glue	5.993	0.316	0.032

4. WATER-BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
170	~~210~~ 190	~~40~~ 20	Coarse sandstone - Red Tan	5
190	210	20	Fine Silty tan Sand	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: 1½ hp pump

TOTAL ESTIMATED WELL YIELD (GPM): 5

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
C-3535	C-03535-POD1	495562

LOCATION 23.28.25.3342.343 — PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☒ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	10	210	10	3/8 Vealmere	10e	Hand

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	6	6	Limestone	☐ YES ☒ NO
6	20	14	Sandstone and light tan sand	☐ YES ☒ NO
20	75	55	Red Clay	☐ YES ☒ NO
75	90	15	White Gypsum	☐ YES ☒ NO
90	110	20	Tan/grey silt and clay	☐ YES ☒ NO
110	160	50	Light tan silty clay	☐ YES ☒ NO
160	170	10	Light tan sandy, silty clay	☐ YES ☒ NO
170	190	20	Coarse Sandstone - Red/tan	☒ YES ☐ NO
190	210	20	Fine silty tan sand	☒ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

STATE ENGINEER OFFICE ROSWELL

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST: METHOD: ☐ BAILER ☒ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS:

Well Address: 208 Rabbit Hill Road

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Roy Taylor — SIGNATURE OF DRILLER

4-23-2012 — DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3535	POD NUMBER C-03535-POD1	TRN NUMBER 495562
LOCATION 23.28.25.334234 3		PAGE 2 OF 2

Locator Tool Report

General Information:

Application ID:29 Date: 05-14-2012 Time: 16:20:15

WR File Number: C-03535-POD1
Purpose: POINT OF DIVERSION

Applicant First Name: COLEY BURGESS NEW DOMESTIC
Applicant Last Name: WELL LOG LOCATION

GW Basin: CARLSBAD
County: EDDY

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of SE 1/4 of SW 1/4 of SW 1/4 of Section 25, Township 23S, Range 28E.

Coordinate System Details:

Geographic Coordinates:

Latitude:	32 Degrees	16 Minutes	11.6 Seconds	N
Longitude:	104 Degrees	2 Minutes	45.1 Seconds	W

Universal Transverse Mercator Zone: 13N

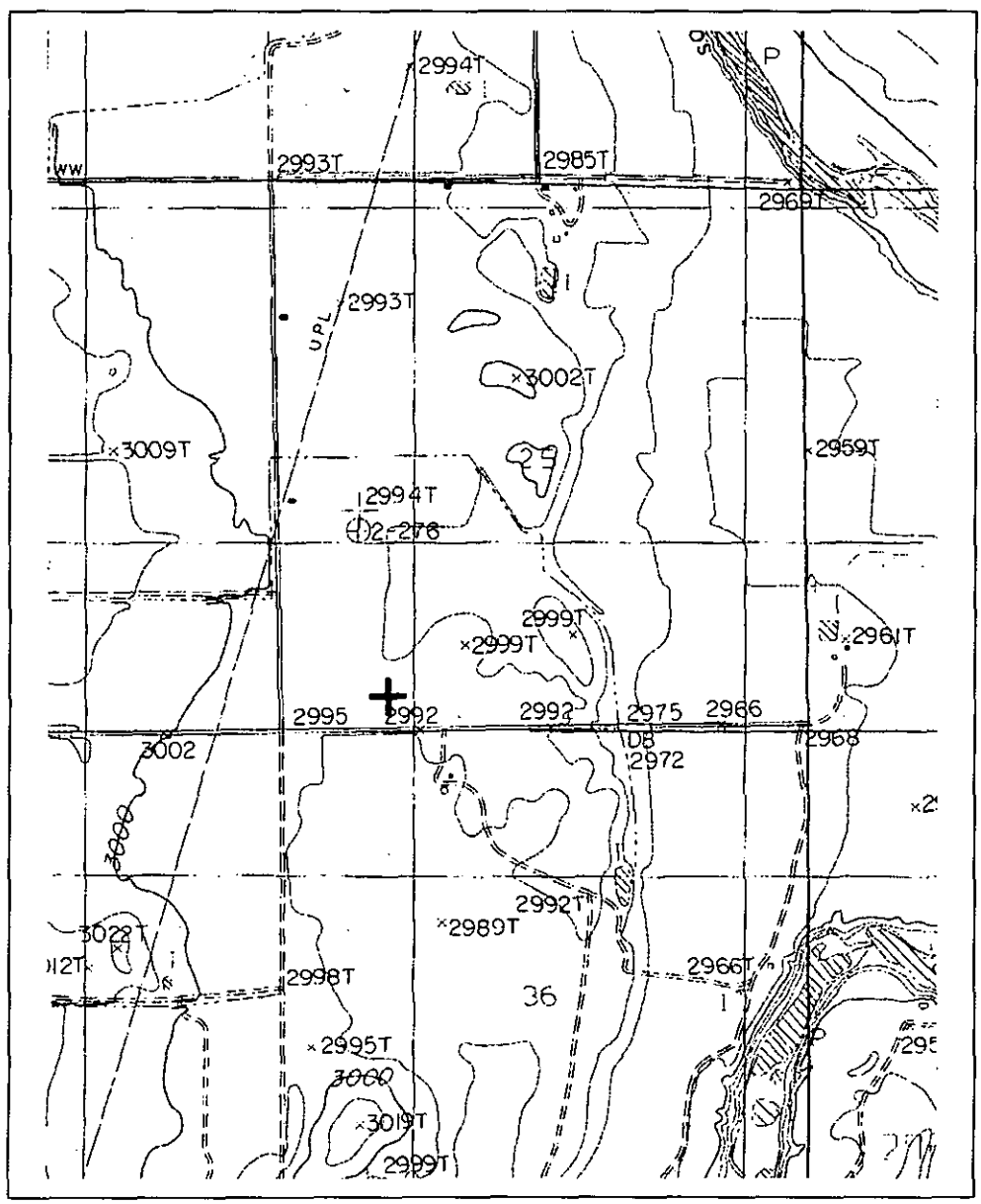
NAD 1983(92) (Meters)	N: 3,570,751	E: 589,860
NAD 1983(92) (Survey Feet)	N: 11,715,039	E: 1,935,233
NAD 1927 (Meters)	N: 3,570,549	E: 589,909
NAD 1927 (Survey Feet)	N: 11,714,377	E: 1,935,392

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 140,829	E: 192,082
NAD 1983(92) (Survey Feet)	N: 462,038	E: 630,189
NAD 1927 (Meters)	N: 140,811	E: 179,529
NAD 1927 (Survey Feet)	N: 461,978	E: 589,005

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report



WR File Number: C-03535-POD1 Scale: 1:22,677

Northing/Easting: UTM83(92) (Meter): N: 3,570,751 E: 589,860

Northing/Easting: SPCS83(92) (Feet): N: 462,038 E: 630,189

GW Basin: Carlsbad

Print Date: 05/14/2012

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: BH01	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 2.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	188	0	No	BH01	0.5	0.5	CCHE	(0-2.5') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	188	0	No		1	1		@2.5' hit refusal
Dry	248	0	No		2	2		
Dry	216	0	No	BH01	2.5	2.5		

Total Depth

eTECH	Sample Name: BH02	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	396	0	No	BH02	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	352	0	No		1	1		@3' hit refusal
Dry	216	0	No		2	2		
Dry	164	0	No	BH02	3	3		

Total Depth

eTECH

	Sample Name: BH03	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 2.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	532	0	No	BH03	0.5	0.5	CCHE	(0-2.5') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	396	0	No		1	1		@2.5' hit refusal
Dry	352	0	No		2	2		
Dry	216	0	No	BH03	2.5	2.5		

Total Depth

eTECH	Sample Name: BH04	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	896	0	No	BH04	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	1,040	0	No		1	1		@3' hit refusal
Dry	896	0	No		2	2		
Dry	352	0	No	BH04	3	3		

Total Depth

eTECH

	Sample Name: BH05	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	532	0	No	BH05	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	484	0	No		1	1		
Dry	424	0	No		2	2		
Dry	396	0	No	BH05	3	3		

Total Depth

eTECH

	Sample Name: BH06	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	896	0	No	BH06	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, very fine-coarse grain, no stain, no odor.
Dry	764	0	No		1	1		@2' some gypsum encountered
Dry	216	0	No		2	2		
Dry	188	0	No	BH06	3	3		

Total Depth

eTECH

	Sample Name: BH07	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2300944487	
	Job Number: 17419	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277719, -104.054400	Hole Diameter: N/A	Total Depth: 2.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	396	0	No	BH07	0.5	0.5	CCHE	(0-2.5') CALICHE, dry, tan, well graded with silt, very fine-coarse grain,some gypsum, no stain, no odor.
Dry	424	0	No		1	1		
Dry	316	0	No		2	2		
Dry	316	0	No	BH07	2.5	2.5		

Total Depth

eTECH

	Sample Name: BH08	Date: 07/17/2024
	Site Name: Culebra Bluff Central 26 Compressor Station Spill	
	Incident Number: nAPP2220225509	
	Job Number: 16332	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Back Hoe
Site Coordinates: 32.277700, -104.054369	Hole Diameter: N/A	Total Depth: 4.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	188	0	No	BH08	0.5	0.5	CCHE	(0-2') CALICHE, dry, tan, poorly graded with silt, very fine-coarse grain, no stain, no odor.
Dry	<124	0	No		1	1		(2-4') SAND, dry, Dark brown, poorly graded with silt, very fine-fine grain, no stain, no odor.
Dry	<124	0	No		2	2	SP-SM	@4' soil color change to yellow
Dry	<124	0	No		3	3		
Dry	<124	0	No	BH08	4	4		

Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG

Chevron USA, Inc.
Culebra Bluff Section 26 Compressor Station
Eddy County, New Mexico
Incident Number nAPP2300944487

Photograph 1 **Date: 07/17/2024**
Description: Northwestern view of Delineation activities

Photograph 2 **Date: 07/17/2024**
Description: Northwestern view of Delineation activities

Photograph 3 **Date: 07/17/2024**
Description: Northeastern view of Delineation activities

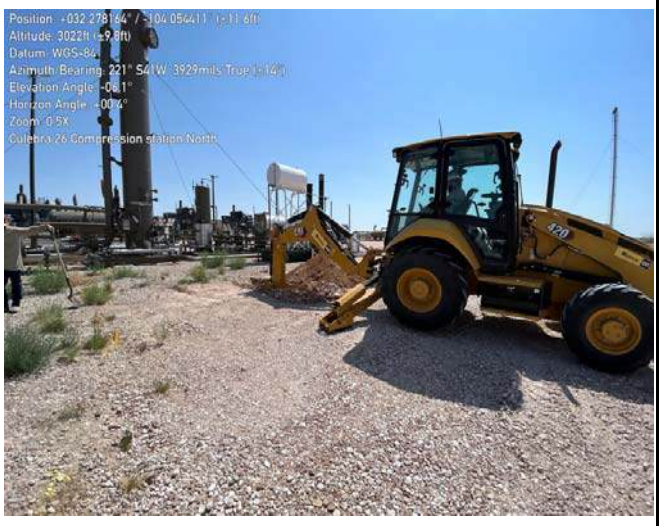
Photograph 4 **Date: 07/17/2024**
Description: Southeastern view of Delineation activities

PHOTOGRAPHIC LOG

Chevron USA, Inc.
Culebra Bluff Section 26 Compressor Station
Eddy County, New Mexico
Incident Number nAPP2300944487

Photograph 5 **Date: 07/17/2024**
Description: Southwestern view of Delineation activities

Photograph 6 **Date: 07/17/2024**
Description: Northeastern view of Delineation activities



Photograph 7 **Date: 07/17/2024**
Description: Southwestern view of Delineation activities

Photograph 8 **Date: 07/17/2024**
Description: Northwestern view of Delineation activities

APPENDIX E

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Eddy 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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Soil Samples - Incident Number nAPP2300944487									
Bottom Hole 1	07/05/2023	0.5	<0.00480	<0.00960	<27.5	<27.5	<27.5	<27.5	404
Bottom Hole 2	07/05/2023	0.5	<0.00480	<0.00970	<27.5	<27.5	<27.5	<27.5	440
Delineation Soil Samples - Incident Number nAPP2300944487									
BH01	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	109
BH01	7/17/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	104
BH02	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	132
BH02	7/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	127
BH03	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
BH03	7/17/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
BH04	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**910**
BH04	7/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	256
BH05	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	225
BH05	7/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	268
BH06	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	**981**
BH06	7/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	246
BH07	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	231
BH07	7/17/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	206
BH08	7/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	104
BH08	7/17/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	116

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in ""grey"" represents excavated soil samples
Concentrations in ***bold*** *exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard† for Soils Impacted by a Release*
† The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

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

PBELAB

Analytical Report

Prepared for:

Blake Estep

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Culebra Bluff Section 26 CS

Project Number: 17419

Location: New Mexico

Lab Order Number: 3G11011

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/24/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 6"	3G11011-01	Soil	07/05/23 12:02	07-10-2023 16:00
Bottom Hole 2 @ 6"	3G11011-02	Soil	07/05/23 12:06	07-10-2023 16:00

BTEX analysis by 8260 were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 1 @ 6''

3G11011-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.3 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 02:45	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**404**	11.0	mg/kg dry	10	P3G1113	07/11/23 17:00	07/12/23 10:32	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00960	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 2 @ 6''

3G11011-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
Surrogate: 1-Chlorooctane	*83.0 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Surrogate: o-Terphenyl	*102 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 03:09	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**440**	27.5	mg/kg dry	25	P3G1113	07/11/23 17:00	07/12/23 11:15	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00970	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Blank (P3G1114-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*87.0*		*"*	*100*		*87.0*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (P3G1114-BS1)				Prepared & Analyzed: 07/11/23						
C6-C12	1040	25.0	mg/kg	1000		104	75-125			
>C12-C28	951	25.0	"	1000		95.1	75-125			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		*"*	*50.0*		*113*	*70-130*			
LCS Dup (P3G1114-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	1030	25.0	mg/kg	1000		103	75-125	0.911	20	
>C12-C28	946	25.0	"	1000		94.6	75-125	0.620	20	
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*57.6*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P3G1114-CCV1)				Prepared & Analyzed: 07/11/23						
C6-C12	543	25.0	mg/kg	500		109	85-115			
>C12-C28	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*72.9*		*"*	*50.0*		*146*	*70-130*			*S-GC*
Calibration Check (P3G1114-CCV2)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	497	25.0	mg/kg	500		99.4	85-115			
>C12-C28	490	25.0	"	500		97.9	85-115			
Surrogate: 1-Chlorooctane	*95.0*		*"*	*100*		*95.0*	*70-130*			
Surrogate: o-Terphenyl	*53.8*		*"*	*50.0*		*108*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Calibration Check (P3G1114-CCV3)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	503	25.0	mg/kg	500		101	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*97.0*		*"*	*100*		*97.0*	*70-130*			
Surrogate: o-Terphenyl	*55.6*		*"*	*50.0*		*111*	*70-130*			
Duplicate (P3G1114-DUP1)		**Source: 3G11018-04**		Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	14.0	29.8	mg/kg dry		15.8			12.5	20	
>C12-C28	12.0	29.8	"		13.0			7.89	20	
Surrogate: 1-Chlorooctane	*95.4*		*"*	*119*		*80.2*	*70-130*			
Surrogate: o-Terphenyl	*60.3*		*"*	*59.5*		*101*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1113 - * DEFAULT PREP *** **										
Blank (P3G1113-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	ND	1.00	mg/kg							
LCS (P3G1113-BS1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.8		mg/kg	18.0		104	90-110			
LCS Dup (P3G1113-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.1		mg/kg	18.0		106	90-110	1.82	10	
Calibration Check (P3G1113-CCV1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P3G1113-CCV2)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.6		mg/kg	20.0		92.8	90-110			
Calibration Check (P3G1113-CCV3)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	20.1		mg/kg	20.0		101	90-110			
Matrix Spike (P3G1113-MS1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	113		mg/kg	100	19.1	93.9	80-120			
Matrix Spike (P3G1113-MS2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	103		mg/kg	100	3.68	99.0	80-120			
Matrix Spike Dup (P3G1113-MSD1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	114		mg/kg	100	19.1	94.8	80-120	0.766	20	
Matrix Spike Dup (P3G1113-MSD2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	102		mg/kg	100	3.68	97.8	80-120	1.18	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1206 - * DEFAULT PREP *** **										
Blank (P3G1206-BLK1)				Prepared & Analyzed: 07/12/23						
% Moisture	1.0	0.1	%							
Blank (P3G1206-BLK2)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Blank (P3G1206-BLK3)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Duplicate (P3G1206-DUP1)	**Source: 3G11013-01**			Prepared & Analyzed: 07/12/23						
% Moisture	5.0	0.1	%		4.0			22.2	20	
Duplicate (P3G1206-DUP2)	**Source: 3G11016-01**			Prepared & Analyzed: 07/12/23						
% Moisture	8.0	0.1	%		11.0			31.6	20	R3
Duplicate (P3G1206-DUP3)	**Source: 3G11020-04**			Prepared & Analyzed: 07/12/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3G1206-DUP4)	**Source: 3G11022-06**			Prepared & Analyzed: 07/12/23						
% Moisture	11.0	0.1	%		11.0			0.00	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/24/2023

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: email: blake@etechenv.com

Project Name: Culebra Bluff Section 26
Project #: 17419 Project Loc:
Area: PO#: 17419
☒ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 3G11011

Analyze For: TCLP: ☐ ☐ ☐ ☐ TOTAL: ☐ ☐ ☐ ☐ (Metals, Volatiles, Semi volatiles, BTEX)

Preservation & # of Containers

Matrix: DW=Drinking Water SL=Sludge; GW = Groundwater S=Soil/Solid; NP=Non-PotableSpecify Other

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix	TPH: 418.1 [✓ 8015M] 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX [✓ 8021B]/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Bottom Hole 1		6"	7.5.23	12:02	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
2	Bottom Hole 2		6"	7.5.23	12:06	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
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Special Instructions:

	Date	Time		Date	Time
Relinquished by:	7/10/23	16:00	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:	7/10/23	16:00

Laboratory Comments:
Sample Containers Intact? [✓ Y] N
VOCs Free of Headspace? [✓ Y] N
Custody seals on container(s) [✓ Y] N
Custody seals on cooler(s) [✓ Y] N
Sample Hand Delivered [✓ Y] N
Sar by Sampler/Client Rep. ? [✓ Y] N
Sar by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.2 °C

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC												24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X												X
	3G11011-02			7/5/2023	12:06		1	X								S	X												X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 17, 2023

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS23070676**

Laboratory Results for: **3G11011**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Jul 12, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Work Order: HS23070676

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070676-01	3G11011-01	Soil		05-Jul-2023 12:02	12-Jul-2023 10:05	☐
HS23070676-02	3G11011-02	Soil		05-Jul-2023 12:06	12-Jul-2023 10:05	☐

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3G11011
Work Order: HS23070676

GCMS Volatiles by Method SW8260

Batch ID: R441468

Sample ID: HS23070495-10MS

- MS and MSD are for an unrelated sample

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-01
Collection Date: 05-Jul-2023 12:02

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-01
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
m,p-Xylene	ND		0.0096	mg/Kg	1	14-Jul-2023 21:04
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Surr: 1,2-Dichloroethane-d4	*75.0*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: 4-Bromofluorobenzene	*97.8*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Dibromofluoromethane	*88.7*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Toluene-d8	*102*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-02
Collection Date: 05-Jul-2023 12:06

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-02
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
m,p-Xylene	ND		0.0097	mg/Kg	1	14-Jul-2023 21:26
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Surr: 1,2-Dichloroethane-d4	*81.3*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: 4-Bromofluorobenzene	*99.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Dibromofluoromethane	*92.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Toluene-d8	*101*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jul-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

Batch ID: 6163 **Start Date:** 14 Jul 2023 08:32 **End Date:** 14 Jul 2023 08:32

Method: VOLATILES BY SW8260C

Sample ID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS23070676-01	1	5.185 (g)	5 (mL)	0.96	Bulk (5030B)
HS23070676-02	1	5.146 (g)	5 (mL)	0.97	Bulk (5030B)

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441468 (0)	**Test Name :** VOLATILES BY SW8260C				**Matrix:** Soil	
HS23070676-01	3G11011-01	05 Jul 2023 12:02			14 Jul 2023 21:04	1
HS23070676-02	3G11011-02	05 Jul 2023 12:06			14 Jul 2023 21:26	1

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument: VOA8** **Method: VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:59**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431172** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	*40.67*	*0*	*50*	*0*	*81.3*	*76 - 125*				
Surr: 4-Bromofluorobenzene	*48.61*	*0*	*50*	*0*	*97.2*	*80 - 120*				
Surr: Dibromofluoromethane	*48.51*	*0*	*50*	*0*	*97.0*	*80 - 119*				
Surr: Toluene-d8	*50.34*	*0*	*50*	*0*	*101*	*81 - 118*				

LCS Sample ID: **VLCSS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:15**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431171** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47.21	5.0	50	0	94.4	75 - 124				
Ethylbenzene	45.21	5.0	50	0	90.4	70 - 123				
m,p-Xylene	88.81	10	100	0	88.8	77 - 125				
o-Xylene	44.58	5.0	50	0	89.2	78 - 122				
Toluene	43.49	5.0	50	0	87.0	76 - 122				
Xylenes, Total	133.4	15	150	0	88.9	77 - 128				
Surr: 1,2-Dichloroethane-d4	*50.35*	*0*	*50*	*0*	*101*	*76 - 125*				
Surr: 4-Bromofluorobenzene	*49.17*	*0*	*50*	*0*	*98.3*	*80 - 120*				
Surr: Dibromofluoromethane	*50.94*	*0*	*50*	*0*	*102*	*80 - 119*				
Surr: Toluene-d8	*50.1*	*0*	*50*	*0*	*100*	*81 - 118*				

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument:** VOA8 **Method:** VOLATILES BY SW8260C

MS Sample ID: **HS23070495-10MS** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:32**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431179** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	31.92	4.9	49	0	65.1	70 - 130				S
Ethylbenzene	36.02	4.9	49	0	73.5	70 - 130				
m,p-Xylene	65.08	9.8	98	0	66.4	70 - 130				S
o-Xylene	32.39	4.9	49	0	66.1	70 - 130				S
Toluene	31.99	4.9	49	0	65.3	70 - 130				S
Xylenes, Total	97.47	15	147	0	66.3	70 - 130				S
Surr: 1,2-Dichloroethane-d4	*17.45*	*0*	*49*	*0*	*35.6*	*70 - 126*				S
Surr: 4-Bromofluorobenzene	*48.06*	*0*	*49*	*0*	*98.1*	*70 - 130*				
Surr: Dibromofluoromethane	*14.89*	*0*	*49*	*0*	*30.4*	*70 - 130*				S
Surr: Toluene-d8	*50.3*	*0*	*49*	*0*	*103*	*70 - 130*				

MSD Sample ID: **HS23070495-10MSD** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:54**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431180** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.65	5.0	50	0	91.3	70 - 130	31.92	35.4	30	R
Ethylbenzene	43.76	5.0	50	0	87.5	70 - 130	36.02	19.4	30	
m,p-Xylene	85.62	10	100	0	85.6	70 - 130	65.08	27.3	30	
o-Xylene	42.45	5.0	50	0	84.9	70 - 130	32.39	26.9	30	
Toluene	43.41	5.0	50	0	86.8	70 - 130	31.99	30.3	30	R
Xylenes, Total	128.1	15	150	0	85.4	70 - 130	97.47	27.1	30	
Surr: 1,2-Dichloroethane-d4	*47.47*	*0*	*50*	*0*	*94.9*	*70 - 126*	*17.45*	*92.5*	*30*	R
Surr: 4-Bromofluorobenzene	*49.11*	*0*	*50*	*0*	*98.2*	*70 - 130*	*48.06*	*2.16*	*30*	
Surr: Dibromofluoromethane	*50.82*	*0*	*50*	*0*	*102*	*70 - 130*	*14.89*	*109*	*30*	R
Surr: Toluene-d8	*50.84*	*0*	*50*	*0*	*102*	*70 - 130*	*50.3*	*1.08*	*30*	

The following samples were analyzed in this batch: HS23070676-01 HS23070676-02

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: **HS23070676**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

ALS Houston, US Date: 17-Jul-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 17-Jul-23

Sample Receipt Checklist

Work Order ID: HS23070676 **Date/Time Received:** 12-Jul-2023 10:05

Client Name: Permian Basin Lab **Received by:** Nelson D. Dusara

Completed By:	/S/ Nilesh D. Ranchod	13-Jul-2023 17:19	**Reviewed by:**	/S/ Anna Kinchen	14-Jul-2023 13:36
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Soil** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☑	Not Present ☐
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	2.8C/2.7C UC/C	IR 31
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	07/12/2023 18:00	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, L
1400 Rankin HWY
Midland, Texas 79701

HS23070676

Permian Basin Environmental Lab, LP
3G11011

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC	24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X		X
	3G11011-02			7/5/2023	12:06		1	X								S	X		X

SPECIAL INSTRUCTIONS:

Relinquished by: Brent Barron	Date 7/11/23	Time 12:00	Received by:	Date	Time
Relinquished by:	Date 7/12/23	Time 10:07	Received by: Nelson	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

ned 2.8 IR31 C/F-01

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Chevron

Project Name:	Culebra Bluff Section 26 Compressor Station
Work Order:	E407153
Job Number:	23077-0001
Received:	7/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/24/24

Date Reported: 7/24/24

Erick Herrera
322 Road 3100
Aztec, NM 87410

Project Name: Culebra Bluff Section 26 Compressor Station
Workorder: E407153
Date Received: 7/19/2024 7:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/19/2024 7:15:00AM, under the Project Name: Culebra Bluff Section 26 Compressor Station.

The analytical test results summarized in this report with the Project Name: Culebra Bluff Section 26 Compressor Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	07/24/24 07:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0.5'	E407153-01A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH01 - 2.5'	E407153-02A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH02 - 0.5'	E407153-03A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH02 - 3'	E407153-04A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH03 - 0.5'	E407153-05A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH03 - 2.5'	E407153-06A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH04 - 0.5'	E407153-07A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH04 - 3'	E407153-08A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH05- 0.5'	E407153-09A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH05 - 3'	E407153-10A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH01 - 0.5'

E407153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/22/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/19/24*	*07/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**109**	20.0	1	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH01 - 2.5'

E407153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/22/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*07/19/24*	*07/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**104**	20.0	1	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH02 - 0.5'

E407153-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/22/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*07/19/24*	*07/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**132**	20.0	1	07/19/24	07/19/24	

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH02 - 3'

E407153-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*76.7 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**127**	20.0	1	07/19/24	07/19/24	

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH03 - 0.5'

E407153-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	ND	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH03 - 2.5'

E407153-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	ND	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH04 - 0.5'

E407153-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**910**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH04 - 3'

E407153-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*128 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**256**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH05- 0.5'

E407153-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**225**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

BH05 - 3'

E407153-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2429106
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*07/19/24*	*07/19/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2429102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/23/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*07/19/24*	*07/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429110
Chloride	**268**	200	10	07/19/24	07/19/24	

envirotech Inc.

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429106-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2429106-BS1)									Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	2.37	0.0250	2.50		95.0	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.3	70-130			
Toluene	2.46	0.0250	2.50		98.6	70-130			
o-Xylene	2.39	0.0250	2.50		95.6	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.4	70-130			
Total Xylenes	7.21	0.0250	7.50		96.1	70-130			
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike (2429106-MS1)				**Source: E407153-07**					Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	2.37	0.0250	2.50	ND	94.8	48-131			
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135			
Toluene	2.46	0.0250	2.50	ND	98.5	48-130			
o-Xylene	2.35	0.0250	2.50	ND	93.8	43-135			
p,m-Xylene	4.74	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135			
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2429106-MSD1)				**Source: E407153-07**					Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	2.37	0.0250	2.50	ND	94.9	48-131	0.105	23	
Ethylbenzene	2.47	0.0250	2.50	ND	99.0	45-135	0.975	27	
Toluene	2.46	0.0250	2.50	ND	98.5	48-130	0.0203	24	
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135	2.44	27	
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135	2.23	27	
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135	2.30	27	
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429106-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2429106-BS2)									Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike (2429106-MS2)				**Source: E407153-07**					Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2429106-MSD2)				**Source: E407153-07**					Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	2.16	20	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429102-BLK1)									Prepared: 07/19/24 Analyzed: 07/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2429102-BS1)									Prepared: 07/19/24 Analyzed: 07/22/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
Matrix Spike (2429102-MS1)				**Source: E407152-03**					Prepared: 07/19/24 Analyzed: 07/22/24
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2429102-MSD1)				**Source: E407152-03**					Prepared: 07/19/24 Analyzed: 07/22/24
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	4.62	20	
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/24/2024 7:46:31AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429110-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	ND	20.0							
LCS (2429110-BS1)									Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2429110-MS1)				**Source: E407155-05**					Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2429110-MSD1)				**Source: E407155-05**					Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	265	20.0	250	ND	106	80-120	0.316	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	07/24/24 07:46

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Chevron USA, Inc.	Bill To	Lab Use Only	TAT	EPA Program
Client name: Amy Barnhill	Attention: Erick Herrera	Lab WO# E407153	Job Number 23077-0001	1D 2D 3D Standard: 5 day TAT	CWA / SDWA
Project Manager: Erick Herrera	Address: 13000 W County Rd 100			RCRA
Project: Culebra Bluff Section 26 Compressor Station	City, State, Zip: Midland, TX, 79711	Analysis and Method		State: NM CO UT AZ TX
Etech Project #: 17419	Phone: (432)563-2200			
Phone: (432)305-6416	Email: erick@etechenv.com, joseph@etechenv.com			
Email: erick@etechenv.com	Company Name: Etech Environmental & Safety Solutions			
Collected by: Edyte Konan	Incident ID: nAPP2300944487			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:00	07.17.24	S	1	BH01	1	0.5'								X				
11:20	07.17.24	S	1	BH01	2	2.5'								X				
11:40	07.17.24	S	1	BH02	3	0.5'								X				
12:00	07.17.24	S	1	BH02	4	3'								X				
12:20	07.17.24	S	1	BH03	5	0.5'								X				
12:40	07.17.24	S	1	BH03	6	2.5'								X				
13:00	07.17.24	S	1	BH04	7	0.5'								X				
13:20	07.17.24	S	1	BH04	8	3'								X				
13:40	07.17.24	S	1	BH05	9	0.5'								X				
14:00	07.17.24	S	1	BH05	10	3'								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	07/18/24	11:00		7.18.24	1115
	7.18.24	1530		7.18.24	1730
Linda Hobbs	7.18.24	2330	Alexa Michaels	7.19.24	7:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 7/19/2024 8:35:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Chevron	Date Received:	07/19/24 07:15	Work Order ID:	E407153
Phone:	(505)326-2657	Date Logged In:	07/18/24 14:28	Logged In By:	Noe Soto
Email:		Due Date:	07/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Chevron

Project Name:	Culebra Bluff Section 26 Compressor Station
Work Order:	E407151
Job Number:	23077-0001
Received:	7/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/23/24

Date Reported: 7/23/24

Erick Herrera
322 Road 3100
Aztec, NM 87410

Project Name: Culebra Bluff Section 26 Compressor Station
Workorder: E407151
Date Received: 7/19/2024 7:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/19/2024 7:15:00AM, under the Project Name: Culebra Bluff Section 26 Compressor Station.

The analytical test results summarized in this report with the Project Name: Culebra Bluff Section 26 Compressor Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	07/23/24 14:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 - 0.5'	E407151-01A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH06 - 3'	E407151-02A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH07 - 0.5'	E407151-03A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH07 - 2.5'	E407151-04A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH08 - 0.5'	E407151-05A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.
BH08 - 4'	E407151-06A	Soil	07/17/24	07/19/24	Glass Jar, 2 oz.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH06 - 0.5'

E407151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/19/24*	*07/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**981**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH06 - 3'

E407151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/19/24*	*07/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**246**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH07 - 0.5'

E407151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/19/24*	*07/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**231**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH07 - 2.5'

E407151-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/20/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*07/19/24*	*07/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**206**	200	10	07/19/24	07/19/24	

envirotech Inc.

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH08 - 0.5'

E407151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/20/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*07/19/24*	*07/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**104**	20.0	1	07/19/24	07/19/24	

Sample Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

BH08 - 4'

E407151-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Benzene	ND	0.0250	1	07/19/24	07/19/24	
Ethylbenzene	ND	0.0250	1	07/19/24	07/19/24	
Toluene	ND	0.0250	1	07/19/24	07/19/24	
o-Xylene	ND	0.0250	1	07/19/24	07/19/24	
p,m-Xylene	ND	0.0500	1	07/19/24	07/19/24	
Total Xylenes	ND	0.0250	1	07/19/24	07/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2429105
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/24	07/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*07/19/24*	*07/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2429104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/24	07/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/24	07/20/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*07/19/24*	*07/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2429111
Chloride	**116**	20.0	1	07/19/24	07/19/24	

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429105-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.4*	*70-130*			
LCS (2429105-BS1)									Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.1	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike (2429105-MS1)				**Source: E407151-04**					Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	4.98	0.0250	5.00	ND	99.6	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.3*	*70-130*			
Matrix Spike Dup (2429105-MSD1)				**Source: E407151-04**					Prepared: 07/19/24 Analyzed: 07/19/24
Benzene	5.21	0.0250	5.00	ND	104	54-133	4.49	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.9	61-133	4.44	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	4.43	20	
o-Xylene	4.99	0.0250	5.00	ND	99.9	63-131	4.52	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	4.34	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	4.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.21*		*8.00*		*90.2*	*70-130*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429105-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2429105-BS2)									Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike (2429105-MS2)				**Source: E407151-04**					Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
Matrix Spike Dup (2429105-MSD2)				**Source: E407151-04**					Prepared: 07/19/24 Analyzed: 07/19/24
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130	10.1	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429104-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*62.2*		*50.0*		*124*	*50-200*			
LCS (2429104-BS1)									Prepared: 07/19/24 Analyzed: 07/19/24
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*50-200*			
Matrix Spike (2429104-MS1)				**Source: E407151-02**					Prepared: 07/19/24 Analyzed: 07/19/24
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2429104-MSD1)				**Source: E407151-02**					Prepared: 07/19/24 Analyzed: 07/19/24
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132	1.46	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	**Reported:**
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	7/23/2024 2:11:00PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2429111-BLK1)									Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	ND	20.0							
LCS (2429111-BS1)									Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2429111-MS1)				**Source: E407151-01**					Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	1160	200	250	981	71.6	80-120			M2
Matrix Spike Dup (2429111-MSD1)				**Source: E407151-01**					Prepared: 07/19/24 Analyzed: 07/19/24
Chloride	1190	200	250	981	82.9	80-120	2.40	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Chevron	Project Name:	Culebra Bluff Section 26 Compressor Station	
322 Road 3100	Project Number:	23077-0001	**Reported:**
Aztec NM, 87410	Project Manager:	Erick Herrera	07/23/24 14:11

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Chevron USA, Inc.	**Bill To**
Client name: Amy Barnhill	Attention: Erick Herrera
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Project: Culebra Bluff Section 26 Compressor Station	City, State, Zip: Midland, TX, 79711
Etech Project #: 17419	Phone: (432)563-2200
Phone: (432)305-6416	Email: erick@etechenv.com, joseph@etechenv.com
Email: erick@etechenv.com	Company Name: Etech Environmental & Safety Solutions
Collected by: Edyte Konan	Incident ID: nAPP2300944487

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E407151	23077-0001				5 day TAT		RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
14:20	07.17.24	S	1	BH06	1	0.5'								x				
14:40	07.17.24	S	1	BH06	2	3'								x				
15:00	07.17.24	S	1	BH07	3	0.5'								x				
15:20	07.17.24	S	1	BH07	4	2.5'								x				
15:40	07.17.24	S	1	BH08	5	0.5'								x				
16:00	07.17.24	S	1	BH08	6	4'								x				
				07/18/24														

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	07/18/24	11:00	[signature]	7.18.24	11:15
[signature]	7.18.24	1530	[signature]	7.18.24	1730
[signature]	7.18.24	2330	Alexa Michaels	7.19.24	7:15

Lab Use Only
Received on ice: (Y)/ N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 7/19/2024 8:35:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Chevron	Date Received:	07/19/24 07:15	Work Order ID:	E407151
Phone:	(505)326-2657	Date Logged In:	07/18/24 14:15	Logged In By:	Noe Soto
Email:		Due Date:	07/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

APPENDIX F

Correspondence & Notifications

Anna Byers

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Friday, June 30, 2023 1:41 PM
To: Blake Estep; Enviro, OCD, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling

Received.

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. Have a great weekend as well, and Happy 4th!

Mike Buchanan ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Blake Estep <blake@etechenv.com>
Sent: Friday, June 30, 2023 12:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Confirmation Sampling

Good afternoon,

Chevron anticipates conducting confirmation soil sampling activities at the following sites between July 5-7, 2023:

Site Name: Culebra Bluff Section 26 Compressor Station
Incident Number: nAPP2300944487

Site Name: Culebra Bluff West 15 CTB
Incident Number: nAPP2226533583

Have a great weekend and 4th of July!

Thank you,

Blake Estep
Etech Environmental & Safety Solutions, Inc.

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	337840	**Districts:**	Artesia
Operator:	[4323] CHEVRON U S A INC	**Counties:**	Eddy
Description:	CHEVRON U S A INC [4323] , CULEBRA BLUFF SECTION 26 CS , nAPP2300944487		
Status:	APPROVED		
Status Date:	04/25/2024		
References (2):	fAPP2132753053, nAPP2300944487		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2300944487**
Incident Name	**NAPP2300944487 CULEBRA BLUFF SECTION 26 CS @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2132753053] Culebra Bluff Section 26 CS**

Location of Release Source

Site Name	**CULEBRA BLUFF SECTION 26 CS**
Date Release Discovered	**12/27/2022**
Surface Owner	**Private**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	177
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2024
Time sampling will commence	08:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of NM-387 & GR Howard Road, travel South on 387 for 0.5 miles. Turn East and travel 0.25 miles. Turn South and travel 0.49 miles. Turn East and travel 0.76 miles. Turn North and travel 0.05 miles to the provided GPS coordinates (32.278089, -104.054574).

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *abarnhill (4/25/2024).* 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.

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	363372	**Districts:**	Artesia
Operator:	[4323] CHEVRON U S A INC	**Counties:**	Eddy
Description:	CHEVRON U S A INC [4323] , CULEBRA BLUFF SECTION 26 CS , nAPP2300944487		
Status:	APPROVED		
Status Date:	07/11/2024		
References (2):	fAPP2132753053, nAPP2300944487		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2300944487**
Incident Name	**NAPP2300944487 CULEBRA BLUFF SECTION 26 CS @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2132753053] Culebra Bluff Section 26 CS**

Location of Release Source

Site Name	**CULEBRA BLUFF SECTION 26 CS**
Date Release Discovered	**12/27/2022**
Surface Owner	**Private**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	18,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/17/2024
Time sampling will commence	08:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please contact Joseph Hernandez at 432-305-6413 with any questions. Sampling will take place over 3 days.
Please provide any information necessary for navigation to sampling site	From the intersection of NM-387 & GR Howard Road, travel South on 387 for 0.5 miles. Turn East and travel 0.25 miles. Turn South and travel 0.49 miles. Turn East and travel 0.76 miles. Turn North and travel 0.05 miles to the provided GPS coordinates (32.278089, -104.054574).

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *abarnhill (7/11/2024).* 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.

Reasons

No reasons found for this submission.

Go Back

APPENDIX H

Archived Reports

Environmental & Safety Solutions, Inc.

CLOSURE REQUEST REPORT

Culebra Bluff Section 26 CS

Eddy County, New Mexico

Incident Number nAPP2300944487

Prepared For:

Chevron USA, Inc.

6301 Deauville Blvd.

Midland, TX 79706

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling activities associated with an inadvertent release of crude oil at the Culebra Bluff Section 26 CS (Site) (**Figure 1** in **Appendix A**). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND BACKGROUND

On December 27, 2022, a solenoid malfunction resulting in a pump failure caused the release of approximately 7.124 barrels (bbls) of crude oil onto the pad surface. No free-standing fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 1, 2023, and was subsequently assigned Incident Number nAPP2300944487. On January 18 and February 2, 2023, Etech conducted a site assessment and delineation activities to assess the presence and/or absence of impacts at the Site. Based on visual observation and field screening results from delineation activities, excavation appeared warranted.

The Site was reported on the Form C-141 to be located in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.277825°, -104.054325°) and associated with oil and gas exploration and production operations on Private Land.

The location of the release is located northwest of the original provided coordinates in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County New Mexico (32.278086°, -104.054577°).

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs), based off nearby wells with available depth to groundwater data. The closest well with recent depth to groundwater data is United States Geological Survey (USGS) well 321701104034401, located approximately 0.64 miles northwest of the Site. USGS well 321701104034401 has a reported depth to groundwater at 48.74 feet below ground surface (bgs) from 2022. Referenced well records used to determine the regional depth to groundwater are included in **Appendix B**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	(Environmental Protection Agency) EPA 300.0	600 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

EXCAVATION SOIL SAMPLING ACTIVITIES

On July 5, 2023, Etech personnel oversaw the excavation of identified impacts based on laboratory analytical results and visual observations via mechanical equipment. Excavation activities were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of soil, Etech collected 5-point composite confirmation excavation soil samples at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Floor soil samples were collected from approximately 6 inches bgs. Due to the shallow excavation depth, sidewall soil samples were included in the floor soil samples. The soil samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas, for analysis of COCs. The location of confirmation excavation soil samples is shown in **Figure 2** in **Appendix A**.

Impacted soil removed from the Site was transported to a licensed and approved landfill under Chevron approved waste manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. Photographic documentation of excavation activities is included in **Appendix C**.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

SITE CLOSURE REQUEST

Based on laboratory analytical results for confirmation excavation soil samples, Chevron believes residual soil impacts associated with the inadvertent release have been excavated and removed from the Site. Concentrations of COCs for all final excavation confirmation soil samples were below the Site Closure

Criteria. Chevron believes the completed remedial actions have mitigated impacts at the Site and the requirements set forth in NMAC guidelines and be protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time and Incident Number nAPP2300944487 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Blake Estep at (432) 894-6038 or blake@etechenv.com. **Appendix F** provides correspondence email notification receipts associated with the subject release.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Blake Estep
Project Manager

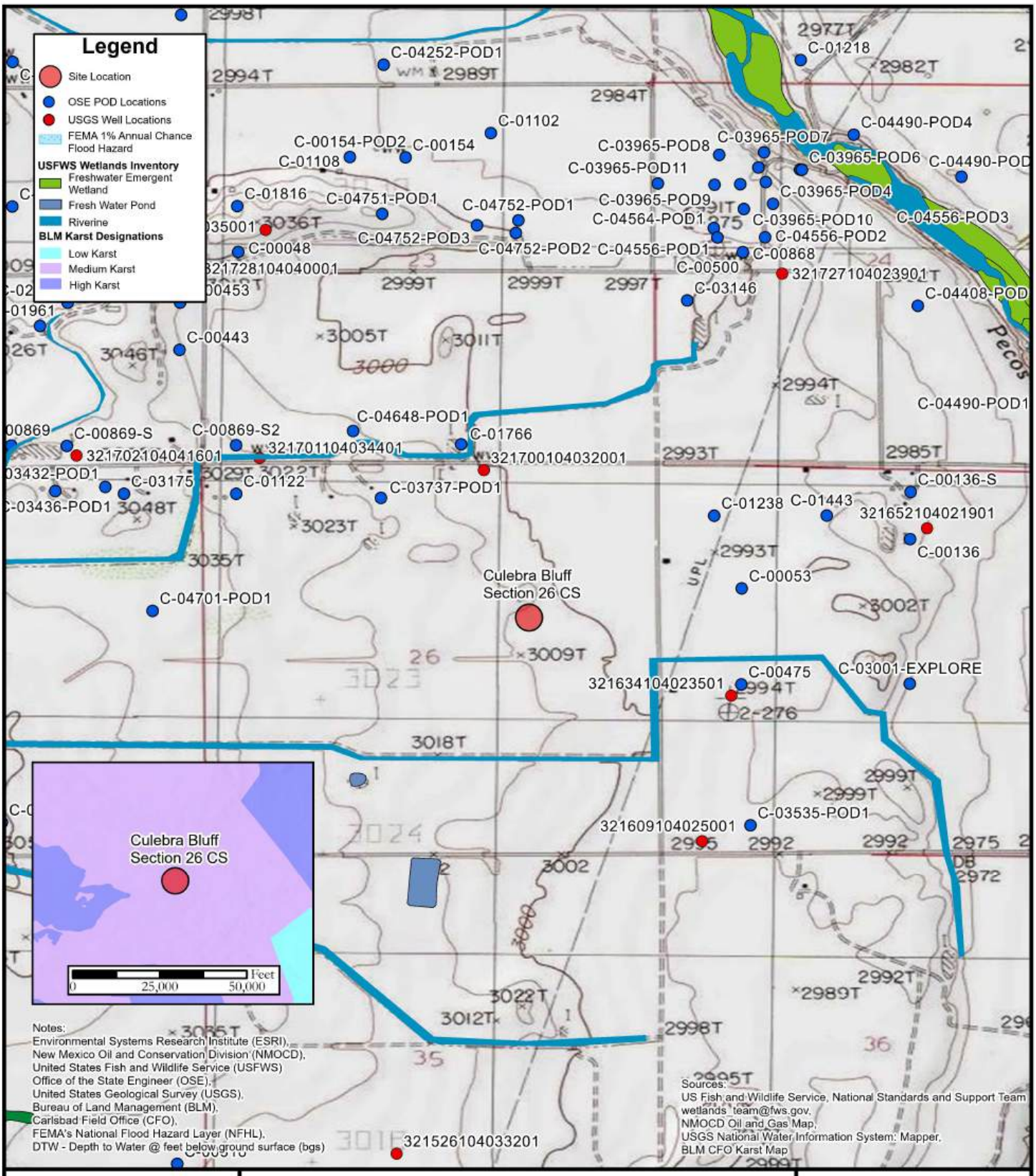
cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division

Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Excavation Soil Sample Locations
Appendix B: Referenced Well Records
Appendix C: Photographic Log
Appendix D: Tables
Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F: NMOCD Notifications

APPENDIX A

Figures



eTECH

FIGURE 1

Site Map

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

Feet
0 1,000 2,000

eTECH

FIGURE 2

Excavation Soil Sample Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 15 30 Feet

APPENDIX B

Referenced Well Records

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321701104034401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321701104034401 23S.28E.23.33344

Eddy County, New Mexico
Latitude 32°17'02.1", Longitude 104°03'52.6" NAD83
Land-surface elevation 3,023 feet above NAVD88
The depth of the well is 150 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1978-01-19		D	62610		2950.36	NGVD29	1	Z			A
1978-01-19		D	62611		2951.92	NAVD88	1	Z			A
1978-01-19		D	72019	71.08			1	Z			A
1983-01-26		D	62610		2978.51	NGVD29	1	Z			A
1983-01-26		D	62611		2980.07	NAVD88	1	Z			A
1983-01-26		D	72019	42.93			1	Z			A
1988-02-12		D	62610		2983.46	NGVD29	1	Z			A
1988-02-12		D	62611		2985.02	NAVD88	1	Z			A
1988-02-12		D	72019	37.98			1	Z			A
1993-02-03		D	62610		2983.64	NGVD29	1	S			A
1993-02-03		D	62611		2985.20	NAVD88	1	S			A
1993-02-03		D	72019	37.80			1	S			A
1995-07-19		D	62610		2982.71	NGVD29	1	S			A
1995-07-19		D	62611		2984.27	NAVD88	1	S			A
1995-07-19		D	72019	38.73			1	S			A
1996-01-24		D	62610		2983.08	NGVD29	1	S			A
1996-01-24		D	62611		2984.64	NAVD88	1	S			A
1996-01-24		D	72019	38.36			1	S			A
2003-01-28		D	62610		2973.22	NGVD29	1	S	USGS	S	A
2003-01-28		D	62611		2974.78	NAVD88	1	S	USGS	S	A
2003-01-28		D	72019	48.22			1	S	USGS	S	A
2013-01-11	19:00 UTC	m	62610		2965.27	NGVD29	1	S	USGS	S	A
2013-01-11	19:00 UTC	m	62611		2966.83	NAVD88	1	S	USGS	S	A
2013-01-11	19:00 UTC	m	72019	56.17			1	S	USGS	S	A
2018-02-13	17:40 UTC	m	62610		2978.59	NGVD29	1	S	USGS	S	A
2018-02-13	17:40 UTC	m	62611		2980.15	NAVD88	1	S	USGS	S	A

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 of measurement	? Water-level approval status
2018-02-13	17:40 UTC	m	72019	42.85			1	S	USGS	S	A
2021-02-24	17:43 UTC	m	62610		2973.45	NGVD29	1	S	USGS	S	A
2021-02-24	17:43 UTC	m	62611		2975.01	NAVD88	1	S	USGS	S	A
2021-02-24	17:43 UTC	m	72019	47.99			1	S	USGS	S	A
2022-01-13	20:03 UTC	m	62610		2972.70	NGVD29	1	S	USGS	S	A
2022-01-13	20:03 UTC	m	62611		2974.26	NAVD88	1	S	USGS	S	A
2022-01-13	20:03 UTC	m	72019	48.74			1	S	USGS	S	A

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	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	A	Approved for publication -- Processing and review completed.

Questions or Comments
Automated retrievals
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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321700104032001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321700104032001 23S.28E.26.21111

Eddy County, New Mexico
Latitude 32°17'00", Longitude 104°03'20" NAD27
Land-surface elevation 3,002 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1978-01-26		D	62610		2984.10	NGVD29	1	Z			A
1978-01-26		D	62611		2985.66	NAVD88	1	Z			A
1978-01-26		D	72019	16.34			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321634104023501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321634104023501 23S.28E.25.312

Eddy County, New Mexico
Latitude 32°16'29", Longitude 104°02'46" NAD27
Land-surface elevation 2,992 feet above NGVD29
The depth of the well is 96 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1954-11-02		D	62610		2978.19	NGVD29	1	Z			A
1954-11-02		D	62611		2979.75	NAVD88	1	Z			A
1954-11-02		D	72019	13.81			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: USGS Water Data Support Team
Page Last Modified: 2023-09-29 16:55:53 EDT
0.3 0.27 nadww02

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

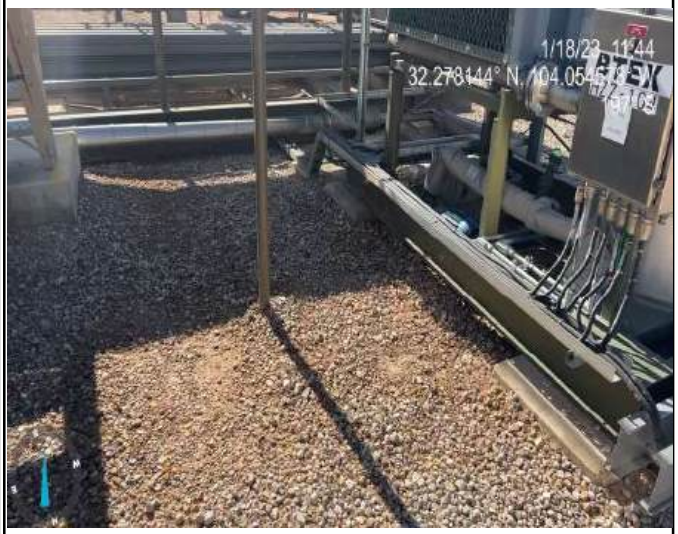
Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-09-29 16:51:26 EDT
0.28 0.24 nadww02

APPENDIX C

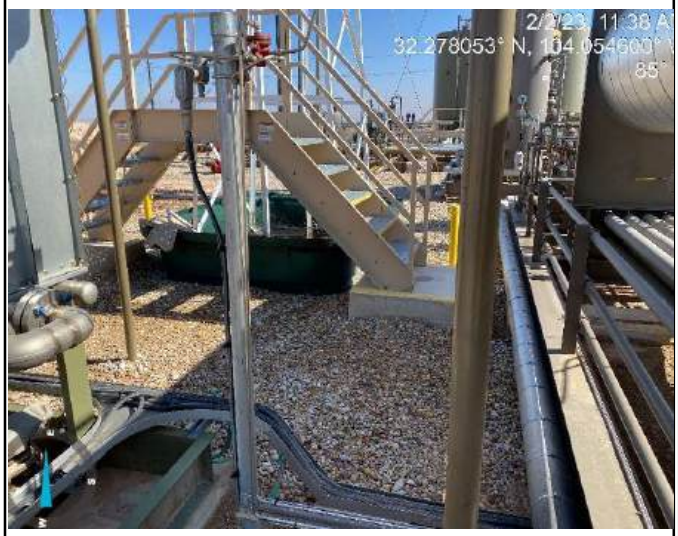
Photographic Log

eTECH

PHOTOGRAPHIC LOG
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Incident Number nAPP2300944487



Photograph 1 **Date: 01/18/2023**
Description: Southern view of initial Site assessment activities



Photograph 2 **Date: 02/02/2023**
Description: Eastern view of delineation assessment activities

Photograph 3 **Date: 07/05/2023**
Description: Western view of excavation activities

Photograph 4 **Date: 07/05/2023**
Description: Western view of restoration activities

eTECH

PHOTOGRAPHIC LOG
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Incident Number nAPP2300944487

Photograph 5 **Date: 07/05/2023**
Description: Southeastern view of delineation activities

Photograph 6 **Date: 07/05/2023**
Description: Southern view of excavation activities

Photograph 7 **Date: 08/02/2023**
Description: Aerial view of restoration activities

Photograph 8 **Date: 08/02/2023**
Description: Southern view of restoration activities

APPENDIX D

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Soil Samples - Incident Number nAPP2300944487										
Bottom Hole 1	07/05/2023	0.5	6	<0.00480	<0.00960	<27.5	<27.5	<27.5	<27.5	404
Bottom Hole 2	07/05/2023	0.5	6	<0.00480	<0.00970	<27.5	<27.5	<27.5	<27.5	440

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

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

PBELAB

Analytical Report

Prepared for:

Blake Estep

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Culebra Bluff Section 26 CS

Project Number: 17419

Location: New Mexico

Lab Order Number: 3G11011

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/24/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 6"	3G11011-01	Soil	07/05/23 12:02	07-10-2023 16:00
Bottom Hole 2 @ 6"	3G11011-02	Soil	07/05/23 12:06	07-10-2023 16:00

BTEX analysis by 8260 were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 1 @ 6''

3G11011-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.3 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 02:45	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**404**	11.0	mg/kg dry	10	P3G1113	07/11/23 17:00	07/12/23 10:32	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00960	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 2 @ 6''

3G11011-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
Surrogate: 1-Chlorooctane	*83.0 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Surrogate: o-Terphenyl	*102 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 03:09	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**440**	27.5	mg/kg dry	25	P3G1113	07/11/23 17:00	07/12/23 11:15	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00970	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Blank (P3G1114-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*87.0*		*"*	*100*		*87.0*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (P3G1114-BS1)				Prepared & Analyzed: 07/11/23						
C6-C12	1040	25.0	mg/kg	1000		104	75-125			
>C12-C28	951	25.0	"	1000		95.1	75-125			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		*"*	*50.0*		*113*	*70-130*			
LCS Dup (P3G1114-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	1030	25.0	mg/kg	1000		103	75-125	0.911	20	
>C12-C28	946	25.0	"	1000		94.6	75-125	0.620	20	
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*57.6*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P3G1114-CCV1)				Prepared & Analyzed: 07/11/23						
C6-C12	543	25.0	mg/kg	500		109	85-115			
>C12-C28	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*72.9*		*"*	*50.0*		*146*	*70-130*			*S-GC*
Calibration Check (P3G1114-CCV2)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	497	25.0	mg/kg	500		99.4	85-115			
>C12-C28	490	25.0	"	500		97.9	85-115			
Surrogate: 1-Chlorooctane	*95.0*		*"*	*100*		*95.0*	*70-130*			
Surrogate: o-Terphenyl	*53.8*		*"*	*50.0*		*108*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Calibration Check (P3G1114-CCV3)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	503	25.0	mg/kg	500		101	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*97.0*		*"*	*100*		*97.0*	*70-130*			
Surrogate: o-Terphenyl	*55.6*		*"*	*50.0*		*111*	*70-130*			
Duplicate (P3G1114-DUP1)		**Source: 3G11018-04**		Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	14.0	29.8	mg/kg dry		15.8			12.5	20	
>C12-C28	12.0	29.8	"		13.0			7.89	20	
Surrogate: 1-Chlorooctane	*95.4*		*"*	*119*		*80.2*	*70-130*			
Surrogate: o-Terphenyl	*60.3*		*"*	*59.5*		*101*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1113 - * DEFAULT PREP *** **										
Blank (P3G1113-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	ND	1.00	mg/kg							
LCS (P3G1113-BS1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.8		mg/kg	18.0		104	90-110			
LCS Dup (P3G1113-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.1		mg/kg	18.0		106	90-110	1.82	10	
Calibration Check (P3G1113-CCV1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P3G1113-CCV2)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.6		mg/kg	20.0		92.8	90-110			
Calibration Check (P3G1113-CCV3)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	20.1		mg/kg	20.0		101	90-110			
Matrix Spike (P3G1113-MS1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	113		mg/kg	100	19.1	93.9	80-120			
Matrix Spike (P3G1113-MS2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	103		mg/kg	100	3.68	99.0	80-120			
Matrix Spike Dup (P3G1113-MSD1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	114		mg/kg	100	19.1	94.8	80-120	0.766	20	
Matrix Spike Dup (P3G1113-MSD2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	102		mg/kg	100	3.68	97.8	80-120	1.18	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1206 - * DEFAULT PREP *** **										
Blank (P3G1206-BLK1)				Prepared & Analyzed: 07/12/23						
% Moisture	1.0	0.1	%							
Blank (P3G1206-BLK2)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Blank (P3G1206-BLK3)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Duplicate (P3G1206-DUP1)	**Source: 3G11013-01**			Prepared & Analyzed: 07/12/23						
% Moisture	5.0	0.1	%		4.0			22.2	20	
Duplicate (P3G1206-DUP2)	**Source: 3G11016-01**			Prepared & Analyzed: 07/12/23						
% Moisture	8.0	0.1	%		11.0			31.6	20	R3
Duplicate (P3G1206-DUP3)	**Source: 3G11020-04**			Prepared & Analyzed: 07/12/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3G1206-DUP4)	**Source: 3G11022-06**			Prepared & Analyzed: 07/12/23						
% Moisture	11.0	0.1	%		11.0			0.00	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/24/2023

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

PBELAB Permian Basin Environmental Lab, LP
1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 11 of 26

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: email: blake@etechenv.com

Project Name: Culebra Bluff Section 26
Project #: 17419 Project Loc:
Area: PO#: 17419
☒ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 3G11011

Analyze For:
TCLP: ☐ ☐ ☐ ☐
TOTAL: ☐ ☐ ☐ ☐

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other	TPH: 418.1 [✓ 8015M] 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX [✓ 8021B]/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Bottom Hole 1		6"	7.5.23	12:02	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
2	Bottom Hole 2		6"	7.5.23	12:06	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
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Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	7/10/23	16:00			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				7/10/23	1600

Laboratory Comments:

Sample Containers Intact?	[✓ Y]	N
VOCs Free of Headspace?	[✓ Y]	N
Custody seals on container(s)	[✓ Y]	N
Custody seals on cooler(s)	[✓ Y]	N
Sample Hand Delivered	[✓ Y]	N
Sar by Sampler/Client Rep. ?	[✓ Y]	N

Sar by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.2 °C

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC												24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X												X
	3G11011-02			7/5/2023	12:06		1	X								S	X												X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 17, 2023

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS23070676**

Laboratory Results for: **3G11011**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Jul 12, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Work Order: HS23070676

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070676-01	3G11011-01	Soil		05-Jul-2023 12:02	12-Jul-2023 10:05	☐
HS23070676-02	3G11011-02	Soil		05-Jul-2023 12:06	12-Jul-2023 10:05	☐

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3G11011
Work Order: HS23070676

GCMS Volatiles by Method SW8260

Batch ID: R441468

Sample ID: HS23070495-10MS

- MS and MSD are for an unrelated sample

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-01
Collection Date: 05-Jul-2023 12:02

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-01
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
m,p-Xylene	ND		0.0096	mg/Kg	1	14-Jul-2023 21:04
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Surr: 1,2-Dichloroethane-d4	*75.0*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: 4-Bromofluorobenzene	*97.8*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Dibromofluoromethane	*88.7*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Toluene-d8	*102*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-02
Collection Date: 05-Jul-2023 12:06

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-02
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
m,p-Xylene	ND		0.0097	mg/Kg	1	14-Jul-2023 21:26
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Surr: 1,2-Dichloroethane-d4	*81.3*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: 4-Bromofluorobenzene	*99.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Dibromofluoromethane	*92.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Toluene-d8	*101*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jul-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

Batch ID: 6163 **Start Date:** 14 Jul 2023 08:32 **End Date:** 14 Jul 2023 08:32

Method: VOLATILES BY SW8260C

Sample ID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS23070676-01	1	5.185 (g)	5 (mL)	0.96	Bulk (5030B)
HS23070676-02	1	5.146 (g)	5 (mL)	0.97	Bulk (5030B)

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441468 (0)	**Test Name :** VOLATILES BY SW8260C				**Matrix:** Soil	
HS23070676-01	3G11011-01	05 Jul 2023 12:02			14 Jul 2023 21:04	1
HS23070676-02	3G11011-02	05 Jul 2023 12:06			14 Jul 2023 21:26	1

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument: VOA8** **Method: VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:59**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431172** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	5.0							
Ethylbenzene	ND	5.0							
m,p-Xylene	ND	10							
o-Xylene	ND	5.0							
Toluene	ND	5.0							
Xylenes, Total	ND	15							
Surr: 1,2-Dichloroethane-d4	*40.67*	*0*	*50*	*0*	*81.3*	*76 - 125*			
Surr: 4-Bromofluorobenzene	*48.61*	*0*	*50*	*0*	*97.2*	*80 - 120*			
Surr: Dibromofluoromethane	*48.51*	*0*	*50*	*0*	*97.0*	*80 - 119*			
Surr: Toluene-d8	*50.34*	*0*	*50*	*0*	*101*	*81 - 118*			

LCS Sample ID: **VLCSS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:15**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431171** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	47.21	5.0	50	0	94.4	75 - 124			
Ethylbenzene	45.21	5.0	50	0	90.4	70 - 123			
m,p-Xylene	88.81	10	100	0	88.8	77 - 125			
o-Xylene	44.58	5.0	50	0	89.2	78 - 122			
Toluene	43.49	5.0	50	0	87.0	76 - 122			
Xylenes, Total	133.4	15	150	0	88.9	77 - 128			
Surr: 1,2-Dichloroethane-d4	*50.35*	*0*	*50*	*0*	*101*	*76 - 125*			
Surr: 4-Bromofluorobenzene	*49.17*	*0*	*50*	*0*	*98.3*	*80 - 120*			
Surr: Dibromofluoromethane	*50.94*	*0*	*50*	*0*	*102*	*80 - 119*			
Surr: Toluene-d8	*50.1*	*0*	*50*	*0*	*100*	*81 - 118*			

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument: VOA8** **Method: VOLATILES BY SW8260C**

MS Sample ID: **HS23070495-10MS** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:32**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431179** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	31.92	4.9	49	0	65.1	70 - 130				S
Ethylbenzene	36.02	4.9	49	0	73.5	70 - 130				
m,p-Xylene	65.08	9.8	98	0	66.4	70 - 130				S
o-Xylene	32.39	4.9	49	0	66.1	70 - 130				S
Toluene	31.99	4.9	49	0	65.3	70 - 130				S
Xylenes, Total	97.47	15	147	0	66.3	70 - 130				S
Surr: 1,2-Dichloroethane-d4	*17.45*	*0*	*49*	*0*	*35.6*	*70 - 126*				S
Surr: 4-Bromofluorobenzene	*48.06*	*0*	*49*	*0*	*98.1*	*70 - 130*				
Surr: Dibromofluoromethane	*14.89*	*0*	*49*	*0*	*30.4*	*70 - 130*				S
Surr: Toluene-d8	*50.3*	*0*	*49*	*0*	*103*	*70 - 130*				

MSD Sample ID: **HS23070495-10MSD** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:54**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431180** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.65	5.0	50	0	91.3	70 - 130	31.92	35.4	30	R
Ethylbenzene	43.76	5.0	50	0	87.5	70 - 130	36.02	19.4	30	
m,p-Xylene	85.62	10	100	0	85.6	70 - 130	65.08	27.3	30	
o-Xylene	42.45	5.0	50	0	84.9	70 - 130	32.39	26.9	30	
Toluene	43.41	5.0	50	0	86.8	70 - 130	31.99	30.3	30	R
Xylenes, Total	128.1	15	150	0	85.4	70 - 130	97.47	27.1	30	
Surr: 1,2-Dichloroethane-d4	*47.47*	*0*	*50*	*0*	*94.9*	*70 - 126*	*17.45*	*92.5*	*30*	R
Surr: 4-Bromofluorobenzene	*49.11*	*0*	*50*	*0*	*98.2*	*70 - 130*	*48.06*	*2.16*	*30*	
Surr: Dibromofluoromethane	*50.82*	*0*	*50*	*0*	*102*	*70 - 130*	*14.89*	*109*	*30*	R
Surr: Toluene-d8	*50.84*	*0*	*50*	*0*	*102*	*70 - 130*	*50.3*	*1.08*	*30*	

The following samples were analyzed in this batch: HS23070676-01 HS23070676-02

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: **HS23070676**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

ALS Houston, US Date: 17-Jul-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 17-Jul-23

Sample Receipt Checklist

Work Order ID: HS23070676 **Date/Time Received:** 12-Jul-2023 10:05

Client Name: Permian Basin Lab **Received by:** Nelson D. Dusara

Completed By:	/S/ Nilesh D. Ranchod	13-Jul-2023 17:19	**Reviewed by:**	/S/ Anna Kinchen	14-Jul-2023 13:36
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Soil** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑		
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☑	Not Present ☐		
Chain of custody present?	Yes ☑	No ☐	1 Page(s)		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Samplers name present on COC?	Yes ☐	No ☑			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
Temperature(s)/Thermometer(s):	2.8C/2.7C UC/C	IR 31			
Cooler(s)/Kit(s):	RED				
Date/Time sample(s) sent to storage:	07/12/2023 18:00				
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑		
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑		
pH adjusted?	Yes ☐	No ☐	N/A ☑		
pH adjusted by:					

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, L
1400 Rankin HWY
Midland, Texas 79701

HS23070676

Permian Basin Environmental Lab, LP
3G11011

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC											24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X												X
	3G11011-02			7/5/2023	12:06		1	X								S	X												X

SPECIAL INSTRUCTIONS:

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	7/11/23	12:00			
Relinquished by:	Date	Time	Received by:	Date	Time
	7/12/23	10:07	Nelson		
Relinquished by:	Date	Time	Received by:	Date	Time

Ned 2-8 IR31 C/F -0.1

After printing this label:
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APPENDIX F

NMOCD Notifications

Anna Byers

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Friday, June 30, 2023 1:41 PM
To: Blake Estep; Enviro, OCD, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling

Received.

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. Have a great weekend as well, and Happy 4th!

Mike Buchanan ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Blake Estep <blake@etechenv.com>
Sent: Friday, June 30, 2023 12:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Confirmation Sampling

Good afternoon,

Chevron anticipates conducting confirmation soil sampling activities at the following sites between July 5-7, 2023:

Site Name: Culebra Bluff Section 26 Compressor Station
Incident Number: nAPP2300944487

Site Name: Culebra Bluff West 15 CTB
Incident Number: nAPP2226533583

Have a great weekend and 4th of July!

Thank you,

Blake Estep
Etech Environmental & Safety Solutions, Inc.

P.O. Box 62228
Midland, Texas 79711
Phone: 432-563-2200
Mobile: 432-894-6038
Fax: 432-563-2213

Environmental & Safety Solutions, Inc.

SITE CHARACTERIZATION REMEDIATION PLAN

Culebra Bluff Section 26 CS

Eddy County, New Mexico

Incident Number nAPP2300944487

Prepared For:

Chevron USA, Inc.

6301 Deauville Blvd.

Midland, TX 79706

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Site Characterization Remediation Plan (SCRP) detailing remediation activities completed to date and proposing additional delineation to investigate residual impacts to develop and corrective action plan for an inadvertent release of crude oil at the Culebra Bluff Section 26 CS (Site) (**Figure 1** in **Appendix A**). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron proposes this SCRP, which details remediation objectives to rectify environmental impacts at the Site.

SITE LOCATION AND BACKGROUND

On December 27, 2022, a solenoid malfunction resulting in a pump failure caused the release of approximately 7.124 barrels (bbls) of crude oil onto the pad surface. No free-standing fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 1, 2023, and was subsequently assigned Incident Number nAPP2300944487. On January 18 and February 2, 2023, Etech conducted a site assessment and delineation activities to assess the presence and/or absence of impacts at the Site. Based on visual observation and field screening results from delineation activities, excavation appeared warranted.

The Site was reported on the Form C-141 to be located in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.277825°, -104.054325°) and associated with oil and gas exploration and production operations on Private Land.

The location of the release is located northwest of the original provided coordinates in Unit G, Section 26, Township 23 South, Range 28 East, in Eddy County New Mexico (32.278086°, -104.054577°).

A Closure Request was submitted to the NMOCD but was denied on April 17, 2024, for not providing definition of the edge of the release via delineation soil sampling. On April 30, 2024, Etech visited the Site to collect horizontal delineation samples as requested by the NMOCD. It was determined that de minimis impacted soil was present surrounding the subject release area which required more extensive delineation soil sampling to fully characterize potentially unrelated impacts. Chevron inadvertently submitted an extension request for Incident Number nAPP2300944487 beyond the deadline date and therefore was not granted a 90-day deadline to complete additional delineation activities. Additional time was requested in an effort to plan and complete delineation activities concurrently with nAPP222022550, which occurred at the same facility and has a current deadline of September 11, 2024. Due to recent Site findings, Chevron respectfully requested NMOCD to reconsider the extension in order to accommodate additional time to complete delineation activities concurrently with nAPP222022550, receive and review delineation laboratory analytical results, and prepare a SCRP. The extension request was denied on July 10, 2024. A summary detailing horizontal sampling activities is included in a section below.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;

- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs), based off nearby wells with available depth to groundwater data. The closest well with recent depth to groundwater data is United States Geological Survey (USGS) well 321701104034401, located approximately 0.64 miles northwest of the Site. USGS well 321701104034401 has a reported depth to groundwater at 48.74 feet below ground surface (bgs) from 2022. Referenced well records used to determine the regional depth to groundwater are included in **Appendix B**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review and regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	(Environmental Protection Agency) EPA 300.0	600 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

EXCAVATION SOIL SAMPLING ACTIVITIES

On July 5, 2023, Etech personnel oversaw the excavation of identified impacts based on laboratory analytical results and visual observations via mechanical equipment. Excavation activities were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of soil, Etech collected 5-point composite confirmation excavation soil samples at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Floor soil samples were collected from approximately 6 inches bgs. Due to the shallow excavation depth, sidewall soil samples were included in the floor soil samples. The soil samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas, for analysis of COCs. The location of confirmation excavation soil samples is shown in **Figure 2** in **Appendix A**.

Impacted soil removed from the Site was transported to a licensed and approved landfill under Chevron approved waste manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of excavation activities is included in **Appendix C**.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

LATERAL DELINEATION SOIL SAMPLING ACTIVITIES

On April 30, 2024, Etech visited the Site to collect horizontal delineation samples as requested by the NMOCD. **Figure 3** in **Appendix A** depicts the proposed sample locations approved by the NMOCD. Twelve boreholes (BH01 through BH12) were advanced via hand auger, which were driven by field screening soil samples as previously described or until advancement refusal. It was determined that de minimis impacted soil was present surrounding the subject release area. No samples were submitted for laboratory analysis at that time as heavy equipment was warranted to achieve full delineation. Elevated field screening results for chloride ranged from 632 mg/kg to 4,764 mg/kg. VOC concentrations via the PID were non-detectable. Delineation soil sample locations and chloride field screening results are shown on **Figure 4** in **Appendix A**.

SUMMARY AND SCRP PROPOSAL

Chevron believes residual soil impacts associated with the inadvertent release were excavated and removed from the Site based on the reportable volume, visual observation from the initial assessment and laboratory analytical results from confirmation excavation soil samples. However, additional Site investigation is required based on field screening results collected during efforts to fulfill additional NMOCD conditions.

Continued delineation activities is scheduled for the week of July 15, 2024, in order to complete vertical and lateral delineation of residual impacts that may be unrelated to the release. Chevron anticipates collecting all delineation soil sample laboratory data to complete an updated SCRP with a corrective action plan for NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph S. Hernandez at (432) 305-6413 or joseph@etechenv.com. **Appendix F** provides correspondence email notification and sampling notice receipts associated with the subject release.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Joseph S. Hernandez
Senior Managing Geologist

cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division

Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Excavation Soil Sample Locations
Figure 3: Proposed Delineation Sampling Locations
Figure 4: Delineation Soil Sample Locations
Appendix B: Referenced Well Records
Appendix C: Photographic Log
Appendix D: Tables
Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F: Correspondence & Notifications

APPENDIX A

Figures

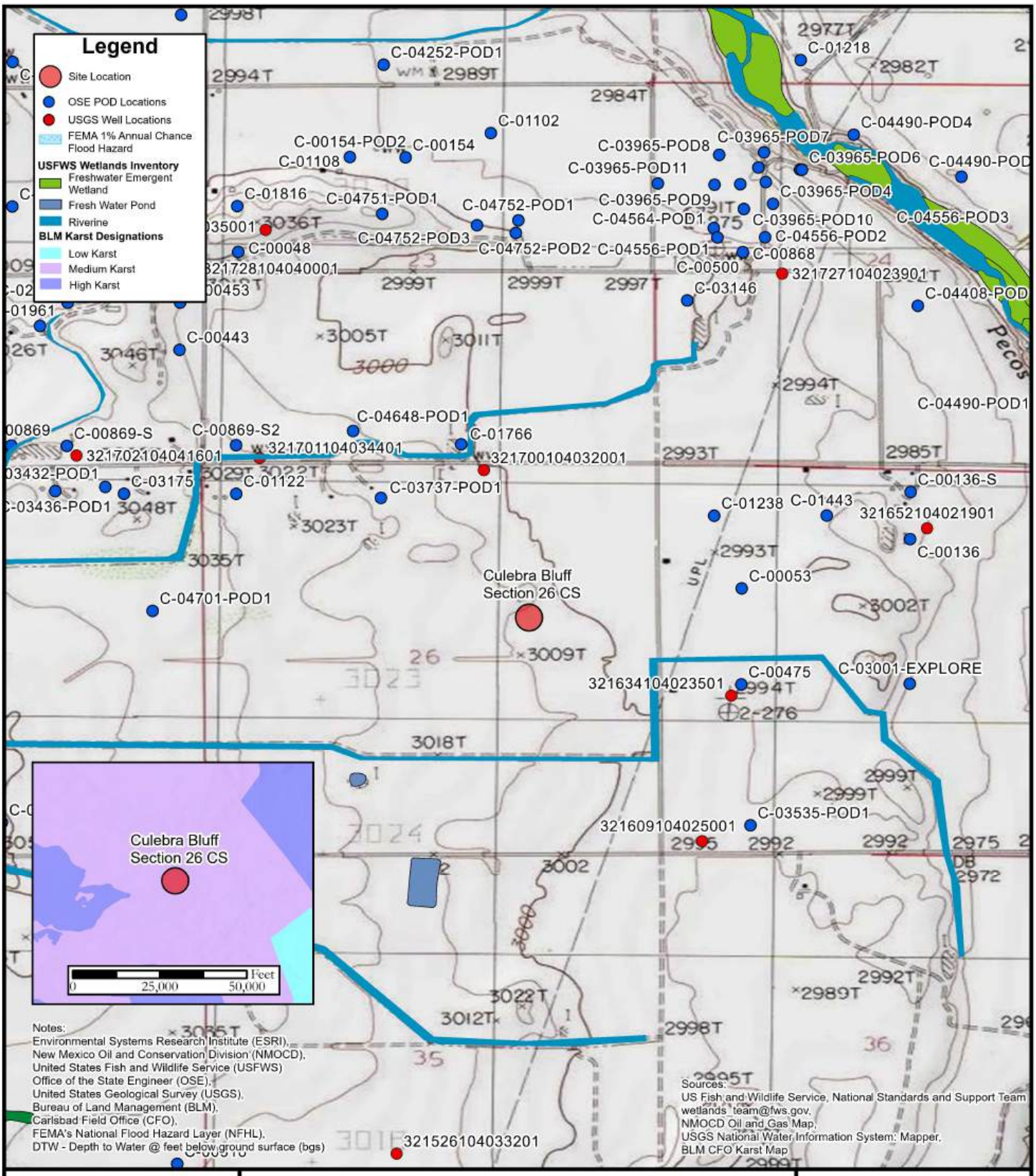

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FIGURE 1

Site Map

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

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FIGURE 2

Excavation Soil Sample Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 15 30 Feet

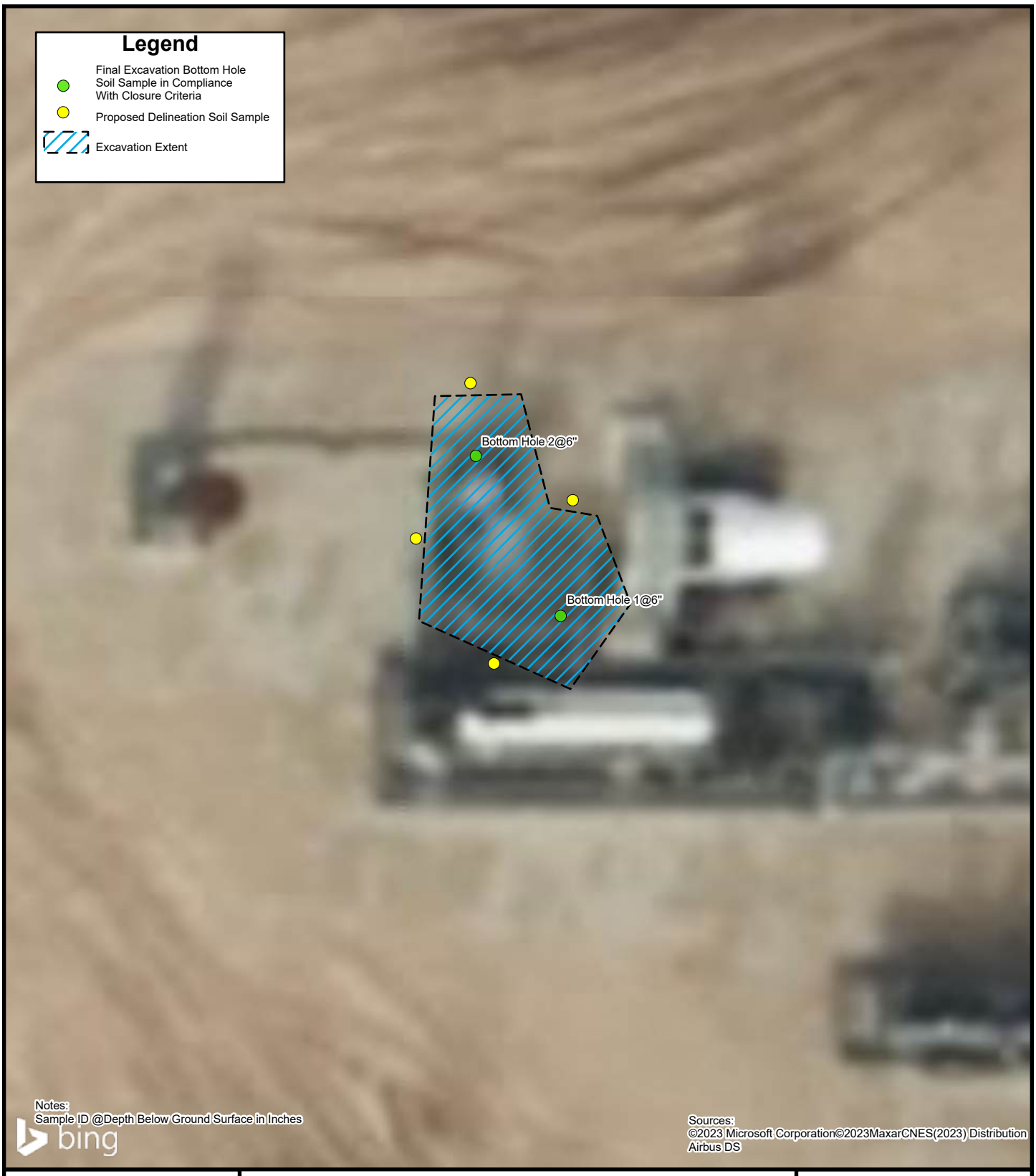

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FIGURE 3

Proposed Delineation Sampling Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 5 10 Feet

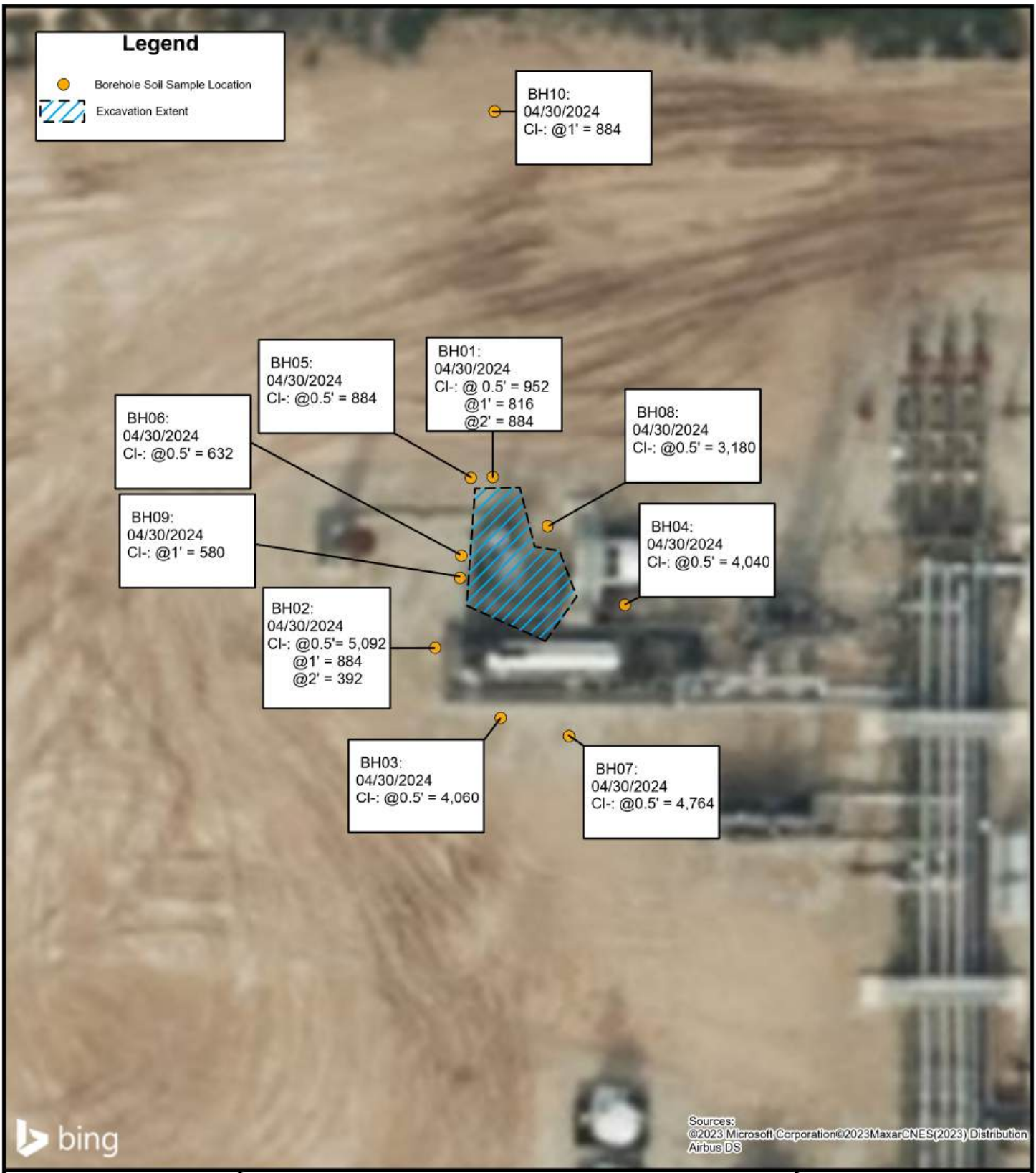

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FIGURE 4

Delineation Soil Sampling Locations

Chevron USA, Inc.
Culebra Bluff Section 26 CS
Unit G Sec 26 T23S R28E
Eddy County, New Mexico

N

0 10 20 Feet

APPENDIX B

Referenced Well Records

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321701104034401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321701104034401 23S.28E.23.33344

Eddy County, New Mexico
Latitude 32°17'02.1", Longitude 104°03'52.6" NAD83
Land-surface elevation 3,023 feet above NAVD88
The depth of the well is 150 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1978-01-19		D	62610		2950.36	NGVD29	1	Z			A
1978-01-19		D	62611		2951.92	NAVD88	1	Z			A
1978-01-19		D	72019	71.08			1	Z			A
1983-01-26		D	62610		2978.51	NGVD29	1	Z			A
1983-01-26		D	62611		2980.07	NAVD88	1	Z			A
1983-01-26		D	72019	42.93			1	Z			A
1988-02-12		D	62610		2983.46	NGVD29	1	Z			A
1988-02-12		D	62611		2985.02	NAVD88	1	Z			A
1988-02-12		D	72019	37.98			1	Z			A
1993-02-03		D	62610		2983.64	NGVD29	1	S			A
1993-02-03		D	62611		2985.20	NAVD88	1	S			A
1993-02-03		D	72019	37.80			1	S			A
1995-07-19		D	62610		2982.71	NGVD29	1	S			A
1995-07-19		D	62611		2984.27	NAVD88	1	S			A
1995-07-19		D	72019	38.73			1	S			A
1996-01-24		D	62610		2983.08	NGVD29	1	S			A
1996-01-24		D	62611		2984.64	NAVD88	1	S			A
1996-01-24		D	72019	38.36			1	S			A
2003-01-28		D	62610		2973.22	NGVD29	1	S	USGS	S	A
2003-01-28		D	62611		2974.78	NAVD88	1	S	USGS	S	A
2003-01-28		D	72019	48.22			1	S	USGS	S	A
2013-01-11	19:00 UTC	m	62610		2965.27	NGVD29	1	S	USGS	S	A
2013-01-11	19:00 UTC	m	62611		2966.83	NAVD88	1	S	USGS	S	A
2013-01-11	19:00 UTC	m	72019	56.17			1	S	USGS	S	A
2018-02-13	17:40 UTC	m	62610		2978.59	NGVD29	1	S	USGS	S	A
2018-02-13	17:40 UTC	m	62611		2980.15	NAVD88	1	S	USGS	S	A

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 of measurement	? Water-level approval status
2018-02-13	17:40 UTC	m	72019	42.85			1	S	USGS	S	A
2021-02-24	17:43 UTC	m	62610		2973.45	NGVD29	1	S	USGS	S	A
2021-02-24	17:43 UTC	m	62611		2975.01	NAVD88	1	S	USGS	S	A
2021-02-24	17:43 UTC	m	72019	47.99			1	S	USGS	S	A
2022-01-13	20:03 UTC	m	62610		2972.70	NGVD29	1	S	USGS	S	A
2022-01-13	20:03 UTC	m	62611		2974.26	NAVD88	1	S	USGS	S	A
2022-01-13	20:03 UTC	m	72019	48.74			1	S	USGS	S	A

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	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	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-09-29 16:57:43 EDT
0.29 0.25 nadww02

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321700104032001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321700104032001 23S.28E.26.21111

Eddy County, New Mexico
Latitude 32°17'00", Longitude 104°03'20" NAD27
Land-surface elevation 3,002 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1978-01-26		D	62610		2984.10	NGVD29	1	Z			A
1978-01-26		D	62611		2985.66	NAVD88	1	Z			A
1978-01-26		D	72019	16.34			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321634104023501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321634104023501 23S.28E.25.312

Eddy County, New Mexico
Latitude 32°16'29", Longitude 104°02'46" NAD27
Land-surface elevation 2,992 feet above NGVD29
The depth of the well is 96 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 of measurement	? Water-level approval status
1954-11-02		D	62610		2978.19	NGVD29	1	Z			A
1954-11-02		D	62611		2979.75	NAVD88	1	Z			A
1954-11-02		D	72019	13.81			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

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Page Last Modified: 2023-09-29 16:55:53 EDT
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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: USGS Water Data Support Team
Page Last Modified: 2023-09-29 16:51:26 EDT
0.28 0.24 nadww02

APPENDIX C

Photographic Log

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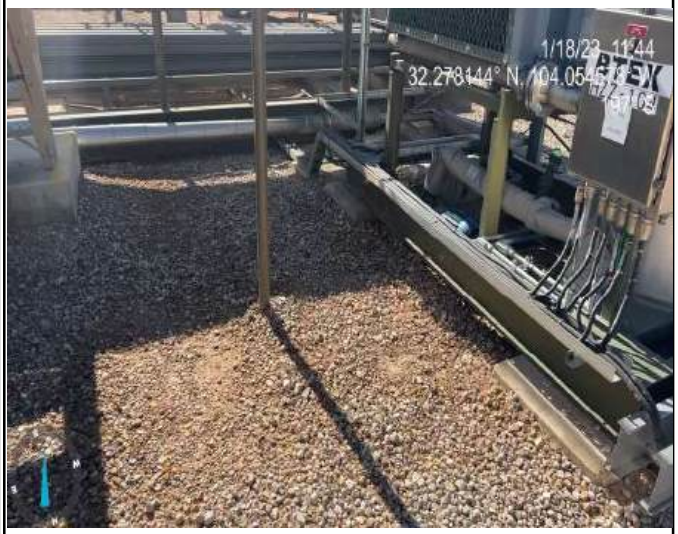
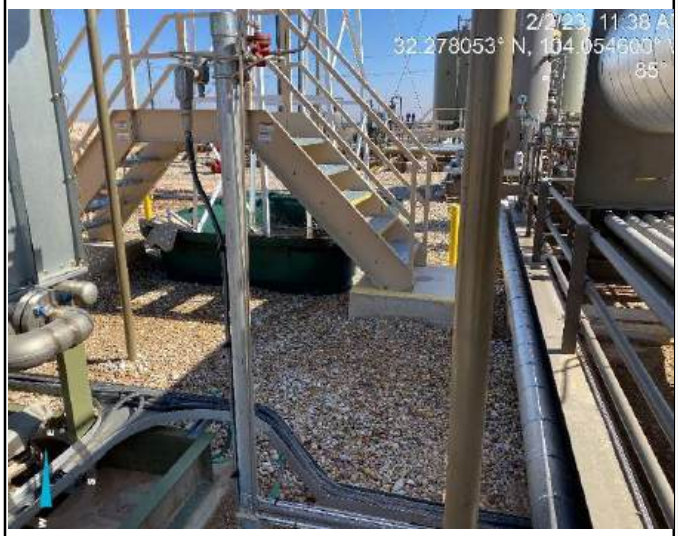
PHOTOGRAPHIC LOG
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Incident Number nAPP2300944487



Photograph 1 **Date: 01/18/2023**
Description: Southern view of initial Site assessment activities



Photograph 2 **Date: 02/02/2023**
Description: Eastern view of delineation assessment activities

Photograph 3 **Date: 07/05/2023**
Description: Western view of excavation activities

Photograph 4 **Date: 07/05/2023**
Description: Western view of restoration activities

APPENDIX D

Tables

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Culebra Bluff Section 26 CS
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Soil Samples - Incident Number nAPP2300944487										
Bottom Hole 1	07/05/2023	0.5	6	<0.00480	<0.00960	<27.5	<27.5	<27.5	<27.5	404
Bottom Hole 2	07/05/2023	0.5	6	<0.00480	<0.00970	<27.5	<27.5	<27.5	<27.5	440

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

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

PBELAB

Analytical Report

Prepared for:

Blake Estep

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Culebra Bluff Section 26 CS

Project Number: 17419

Location: New Mexico

Lab Order Number: 3G11011

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/24/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 6"	3G11011-01	Soil	07/05/23 12:02	07-10-2023 16:00
Bottom Hole 2 @ 6"	3G11011-02	Soil	07/05/23 12:06	07-10-2023 16:00

BTEX analysis by 8260 were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 1 @ 6''

3G11011-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 02:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.3 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 02:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 02:45	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**404**	11.0	mg/kg dry	10	P3G1113	07/11/23 17:00	07/12/23 10:32	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00960	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:04	07/14/23 21:04	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 2 @ 6''

3G11011-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3G1114	07/11/23 15:00	07/12/23 03:09	TPH 8015M	
Surrogate: 1-Chlorooctane	*83.0 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Surrogate: o-Terphenyl	*102 %*		*70-130*		*P3G1114*	*07/11/23 15:00*	*07/12/23 03:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/11/23 15:00	07/12/23 03:09	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**440**	27.5	mg/kg dry	25	P3G1113	07/11/23 17:00	07/12/23 11:15	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3G1206	07/12/23 14:52	07/12/23 14:57	ASTM D2216	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Ethylbenzene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
m,p-Xylene	ND	0.00970	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
o-Xylene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Toluene	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13
Xylenes (total)	ND	0.00480	mg/kg	1	P3G2409	07/14/23 21:26	07/14/23 21:26	EPA 8260B	SUB-13

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
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Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Blank (P3G1114-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*87.0*		*"*	*100*		*87.0*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (P3G1114-BS1)				Prepared & Analyzed: 07/11/23						
C6-C12	1040	25.0	mg/kg	1000		104	75-125			
>C12-C28	951	25.0	"	1000		95.1	75-125			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		*"*	*50.0*		*113*	*70-130*			
LCS Dup (P3G1114-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	1030	25.0	mg/kg	1000		103	75-125	0.911	20	
>C12-C28	946	25.0	"	1000		94.6	75-125	0.620	20	
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*57.6*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P3G1114-CCV1)				Prepared & Analyzed: 07/11/23						
C6-C12	543	25.0	mg/kg	500		109	85-115			
>C12-C28	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*72.9*		*"*	*50.0*		*146*	*70-130*			*S-GC*
Calibration Check (P3G1114-CCV2)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	497	25.0	mg/kg	500		99.4	85-115			
>C12-C28	490	25.0	"	500		97.9	85-115			
Surrogate: 1-Chlorooctane	*95.0*		*"*	*100*		*95.0*	*70-130*			
Surrogate: o-Terphenyl	*53.8*		*"*	*50.0*		*108*	*70-130*			

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13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1114 - TX 1005										
Calibration Check (P3G1114-CCV3)				Prepared: 07/11/23 Analyzed: 07/14/23						
C6-C12	503	25.0	mg/kg	500		101	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*97.0*		*"*	*100*		*97.0*	*70-130*			
Surrogate: o-Terphenyl	*55.6*		*"*	*50.0*		*111*	*70-130*			
Duplicate (P3G1114-DUP1)		**Source: 3G11018-04**		Prepared: 07/11/23 Analyzed: 07/12/23						
C6-C12	14.0	29.8	mg/kg dry		15.8			12.5	20	
>C12-C28	12.0	29.8	"		13.0			7.89	20	
Surrogate: 1-Chlorooctane	*95.4*		*"*	*119*		*80.2*	*70-130*			
Surrogate: o-Terphenyl	*60.3*		*"*	*59.5*		*101*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1113 - * DEFAULT PREP *** **										
Blank (P3G1113-BLK1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	ND	1.00	mg/kg							
LCS (P3G1113-BS1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.8		mg/kg	18.0		104	90-110			
LCS Dup (P3G1113-BSD1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.1		mg/kg	18.0		106	90-110	1.82	10	
Calibration Check (P3G1113-CCV1)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P3G1113-CCV2)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	18.6		mg/kg	20.0		92.8	90-110			
Calibration Check (P3G1113-CCV3)				Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	20.1		mg/kg	20.0		101	90-110			
Matrix Spike (P3G1113-MS1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	113		mg/kg	100	19.1	93.9	80-120			
Matrix Spike (P3G1113-MS2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	103		mg/kg	100	3.68	99.0	80-120			
Matrix Spike Dup (P3G1113-MSD1)		**Source: 3G11022-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	114		mg/kg	100	19.1	94.8	80-120	0.766	20	
Matrix Spike Dup (P3G1113-MSD2)		**Source: 3G11011-01**		Prepared: 07/11/23 Analyzed: 07/12/23						
Chloride	102		mg/kg	100	3.68	97.8	80-120	1.18	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3G1206 - * DEFAULT PREP *** **										
Blank (P3G1206-BLK1)				Prepared & Analyzed: 07/12/23						
% Moisture	1.0	0.1	%							
Blank (P3G1206-BLK2)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Blank (P3G1206-BLK3)				Prepared & Analyzed: 07/12/23						
% Moisture	ND	0.1	%							
Duplicate (P3G1206-DUP1)	**Source: 3G11013-01**			Prepared & Analyzed: 07/12/23						
% Moisture	5.0	0.1	%		4.0			22.2	20	
Duplicate (P3G1206-DUP2)	**Source: 3G11016-01**			Prepared & Analyzed: 07/12/23						
% Moisture	8.0	0.1	%		11.0			31.6	20	R3
Duplicate (P3G1206-DUP3)	**Source: 3G11020-04**			Prepared & Analyzed: 07/12/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3G1206-DUP4)	**Source: 3G11022-06**			Prepared & Analyzed: 07/12/23						
% Moisture	11.0	0.1	%		11.0			0.00	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/24/2023

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Culebra Bluff Section 26 CS
13000 West County Road 100	Project Number: 17419
Odessa TX, 79765	Project Manager: Blake Estep

PBELAB Permian Basin Environmental Lab, LP
1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 11 of 26

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature:
email: blake@etechenv.com

Project Name: Culebra Bluff Section 26
Project #: 17419
Project Loc:
Area:
PO#: 17419
☒ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 3G11011

Analyze For:
TCLP: ☐ ☐ ☐ ☐
TOTAL: ☐ ☐ ☐ ☐

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other	TPH: 418.1 [✓ 8015M] 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX [✓ 8021B]/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Bottom Hole 1		6"	7.5-23	12:02	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
2	Bottom Hole 2		6"	7.5-23	12:06	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
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Special Instructions:

Relinquished by:	Date 7/10/23	Time 16:00	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date 7/10/23	Time [illegible]

Laboratory Comments:
Sample Containers Intact? [✓ Y] N
VOCs Free of Headspace? [✓ Y] N
Custody seals on container(s) [✓ Y] N
Custody seals on cooler(s) [✓ Y] N
Sample Hand Delivered [✓ Y] N
Sar by Sampler/Client Rep. ? [✓ Y] N
Sar by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.2 °C

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC												24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X												X
	3G11011-02			7/5/2023	12:06		1	X								S	X												X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 17, 2023

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS23070676**

Laboratory Results for: **3G11011**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Jul 12, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Work Order: HS23070676

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23070676-01	3G11011-01	Soil		05-Jul-2023 12:02	12-Jul-2023 10:05	☐
HS23070676-02	3G11011-02	Soil		05-Jul-2023 12:06	12-Jul-2023 10:05	☐

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3G11011
Work Order: HS23070676

GCMS Volatiles by Method SW8260

Batch ID: R441468

Sample ID: HS23070495-10MS

- MS and MSD are for an unrelated sample

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-01
Collection Date: 05-Jul-2023 12:02

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-01
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
m,p-Xylene	ND		0.0096	mg/Kg	1	14-Jul-2023 21:04
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:04
Surr: 1,2-Dichloroethane-d4	*75.0*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: 4-Bromofluorobenzene	*97.8*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Dibromofluoromethane	*88.7*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*
Surr: Toluene-d8	*102*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
Sample ID: 3G11011-02
Collection Date: 05-Jul-2023 12:06

ANALYTICAL REPORT
WorkOrder:HS23070676
Lab ID:HS23070676-02
Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C	**Method:SW8260**					Analyst: WLR
Benzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Ethylbenzene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
m,p-Xylene	ND		0.0097	mg/Kg	1	14-Jul-2023 21:26
o-Xylene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Toluene	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Xylenes, Total	ND		0.0048	mg/Kg	1	14-Jul-2023 21:26
Surr: 1,2-Dichloroethane-d4	*81.3*		*70-126*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: 4-Bromofluorobenzene	*99.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Dibromofluoromethane	*92.5*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*
Surr: Toluene-d8	*101*		*70-130*	*%REC*	*1*	*14-Jul-2023 21:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jul-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

Batch ID: 6163 **Start Date:** 14 Jul 2023 08:32 **End Date:** 14 Jul 2023 08:32

Method: VOLATILES BY SW8260C

Sample ID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS23070676-01	1	5.185 (g)	5 (mL)	0.96	Bulk (5030B)
HS23070676-02	1	5.146 (g)	5 (mL)	0.97	Bulk (5030B)

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R441468 (0)	**Test Name :** VOLATILES BY SW8260C				**Matrix:** Soil	
HS23070676-01	3G11011-01	05 Jul 2023 12:02			14 Jul 2023 21:04	1
HS23070676-02	3G11011-02	05 Jul 2023 12:06			14 Jul 2023 21:26	1

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument: VOA8** **Method: VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:59**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431172** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	*40.67*	*0*	*50*	*0*	*81.3*	*76 - 125*				
Surr: 4-Bromofluorobenzene	*48.61*	*0*	*50*	*0*	*97.2*	*80 - 120*				
Surr: Dibromofluoromethane	*48.51*	*0*	*50*	*0*	*97.0*	*80 - 119*				
Surr: Toluene-d8	*50.34*	*0*	*50*	*0*	*101*	*81 - 118*				

LCS Sample ID: **VLCSS2-071423** Units: **ug/Kg** Analysis Date: **14-Jul-2023 19:15**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431171** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47.21	5.0	50	0	94.4	75 - 124				
Ethylbenzene	45.21	5.0	50	0	90.4	70 - 123				
m,p-Xylene	88.81	10	100	0	88.8	77 - 125				
o-Xylene	44.58	5.0	50	0	89.2	78 - 122				
Toluene	43.49	5.0	50	0	87.0	76 - 122				
Xylenes, Total	133.4	15	150	0	88.9	77 - 128				
Surr: 1,2-Dichloroethane-d4	*50.35*	*0*	*50*	*0*	*101*	*76 - 125*				
Surr: 4-Bromofluorobenzene	*49.17*	*0*	*50*	*0*	*98.3*	*80 - 120*				
Surr: Dibromofluoromethane	*50.94*	*0*	*50*	*0*	*102*	*80 - 119*				
Surr: Toluene-d8	*50.1*	*0*	*50*	*0*	*100*	*81 - 118*				

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: HS23070676

QC BATCH REPORT

Batch ID: R441468 (0) **Instrument: VOA8** **Method: VOLATILES BY SW8260C**

MS Sample ID: **HS23070495-10MS** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:32**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431179** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	31.92	4.9	49	0	65.1	70 - 130				S
Ethylbenzene	36.02	4.9	49	0	73.5	70 - 130				
m,p-Xylene	65.08	9.8	98	0	66.4	70 - 130				S
o-Xylene	32.39	4.9	49	0	66.1	70 - 130				S
Toluene	31.99	4.9	49	0	65.3	70 - 130				S
Xylenes, Total	97.47	15	147	0	66.3	70 - 130				S
Surr: 1,2-Dichloroethane-d4	*17.45*	*0*	*49*	*0*	*35.6*	*70 - 126*				S
Surr: 4-Bromofluorobenzene	*48.06*	*0*	*49*	*0*	*98.1*	*70 - 130*				
Surr: Dibromofluoromethane	*14.89*	*0*	*49*	*0*	*30.4*	*70 - 130*				S
Surr: Toluene-d8	*50.3*	*0*	*49*	*0*	*103*	*70 - 130*				

MSD Sample ID: **HS23070495-10MSD** Units: **ug/Kg** Analysis Date: **14-Jul-2023 22:54**
Client ID: Run ID: **VOA8_441468** SeqNo: **7431180** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.65	5.0	50	0	91.3	70 - 130	31.92	35.4	30	R
Ethylbenzene	43.76	5.0	50	0	87.5	70 - 130	36.02	19.4	30	
m,p-Xylene	85.62	10	100	0	85.6	70 - 130	65.08	27.3	30	
o-Xylene	42.45	5.0	50	0	84.9	70 - 130	32.39	26.9	30	
Toluene	43.41	5.0	50	0	86.8	70 - 130	31.99	30.3	30	R
Xylenes, Total	128.1	15	150	0	85.4	70 - 130	97.47	27.1	30	
Surr: 1,2-Dichloroethane-d4	*47.47*	*0*	*50*	*0*	*94.9*	*70 - 126*	*17.45*	*92.5*	*30*	R
Surr: 4-Bromofluorobenzene	*49.11*	*0*	*50*	*0*	*98.2*	*70 - 130*	*48.06*	*2.16*	*30*	
Surr: Dibromofluoromethane	*50.82*	*0*	*50*	*0*	*102*	*70 - 130*	*14.89*	*109*	*30*	R
Surr: Toluene-d8	*50.84*	*0*	*50*	*0*	*102*	*70 - 130*	*50.3*	*1.08*	*30*	

The following samples were analyzed in this batch: HS23070676-01 HS23070676-02

ALS Houston, US Date: 17-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3G11011
WorkOrder: **HS23070676**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg	Milligrams per Kilogram

ALS Houston, US Date: 17-Jul-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087-2023	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 17-Jul-23

Sample Receipt Checklist

Work Order ID: HS23070676 **Date/Time Received:** 12-Jul-2023 10:05

Client Name: Permian Basin Lab **Received by:** Nelson D. Dusara

Completed By:	/S/ Nilesh D. Ranchod	13-Jul-2023 17:19	**Reviewed by:**	/S/ Anna Kinchen	14-Jul-2023 13:36
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Soil** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑		
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☑	Not Present ☐		
Chain of custody present?	Yes ☑	No ☐	1 Page(s)		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Samplers name present on COC?	Yes ☐	No ☑			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
Temperature(s)/Thermometer(s):	2.8C/2.7C UC/C	IR 31			
Cooler(s)/Kit(s):	RED				
Date/Time sample(s) sent to storage:	07/12/2023 18:00				
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑		
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑		
pH adjusted?	Yes ☐	No ☐	N/A ☑		
pH adjusted by:					

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, L
1400 Rankin HWY
Midland, Texas 79701

HS23070676

Permian Basin Environmental Lab, LP
3G11011

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021B BTEX TOTAL CALC											24 HOUR	STANDARD
	3G11011-01			7/5/2023	12:02		1	X								S	X												X
	3G11011-02			7/5/2023	12:06		1	X								S	X												X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	7/11/23	12:00			
Relinquished by:	Date	Time	Received by:	Date	Time
	7/12/23	10:07	Nelson		
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

Ned 2.8 IR31 C/F-0.1

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

APPENDIX F

Correspondence & Notifications

Anna Byers

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Friday, June 30, 2023 1:41 PM
To: Blake Estep; Enviro, OCD, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Confirmation Sampling

Received.

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. Have a great weekend as well, and Happy 4th!

Mike Buchanan ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Blake Estep <blake@etechenv.com>
Sent: Friday, June 30, 2023 12:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Confirmation Sampling

Good afternoon,

Chevron anticipates conducting confirmation soil sampling activities at the following sites between July 5-7, 2023:

Site Name: Culebra Bluff Section 26 Compressor Station
Incident Number: nAPP2300944487

Site Name: Culebra Bluff West 15 CTB
Incident Number: nAPP2226533583

Have a great weekend and 4th of July!

Thank you,

Blake Estep
Etech Environmental & Safety Solutions, Inc.

P.O. Box 62228
Midland, Texas 79711
Phone: 432-563-2200
Mobile: 432-894-6038
Fax: 432-563-2213

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary: *scwells (4/17/2024),* Remediation closure denied. No sidewall samples were able to be collected to ensure edges of release are defined and no delineation data was submitted with report. Please collect 4 delineation samples around excavation area (1 collected in each of the cardinal directions surrounding excavation site at a depth of 6") to ensure entire release area has been laterally defined. Send proposed sampling locations via email to me for approval before collecting them. Note, a C-141N must be submitted two business days prior to collecting samples or they will not be accepted for closure. Resubmit report by May 17, 2024.

Go Back

Joseph Hernandez

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, April 23, 2024 5:23 PM
To: Erick Herrera
Cc: Barnhill, Amy; Joseph Hernandez; Anna Byers
Subject: RE: [EXTERNAL] Culebra Bluff Section 26 CS - Incident Number nAPP2300944487 Proposed Sampling Point Locations

Good evening Erick,

The proposed lateral delineation sample points for NAPP2300944487 CULEBRA BLUFF SECTION 26 CS are accepted. I look forward to reviewing the finished report.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com>
Sent: Tuesday, April 23, 2024 4:05 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Barnhill, Amy <ABarnhill@chevron.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>
Subject: [EXTERNAL] Culebra Bluff Section 26 CS - Incident Number nAPP2300944487 Proposed Sampling Point Locations

Good afternoon Shelly,

As discussed earlier today, on behalf of Chevron, please find attached the proposed delineation sample point locations around the excavation area for an inadvertent release on Private Land at the Culebra Bluff Section 26 CS (Site) associated with Incident Number nAPP2300944487.

As requested, below is our sampling plan:

- Collect four (4) soil borings with a hand auger to a depth of 6 inches bgs at the proposed locations (Attached Figure 3), to complete horizontal delineation.
    - One sample will be collected to 6 inches in each cardinal direction surrounding the excavation area.

- Samples will be submitted to an accredited laboratory for laboratory analysis for BTEX, TPH, and Chlorides.
- Prior to collection of delineation soil samples, a sampling notification (C-141N) will be submitted two business days in accordance with Subsection D of 19.15.29.12 NMAC.

Upon receipt and review of laboratory analytical results, a report will be submitted detailing the delineation activities and soil sample results.

I appreciate you taking the time to provide additional details on your denial of this incident.

Please let me know if you have any questions.

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	337840	**Districts:**	Artesia
Operator:	[4323] CHEVRON U S A INC	**Counties:**	Eddy
Description:	CHEVRON U S A INC [4323] , CULEBRA BLUFF SECTION 26 CS , nAPP2300944487		
Status:	APPROVED		
Status Date:	04/25/2024		
References (2):	fAPP2132753053, nAPP2300944487		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2300944487**
Incident Name	**NAPP2300944487 CULEBRA BLUFF SECTION 26 CS @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2132753053] Culebra Bluff Section 26 CS**

Location of Release Source

Site Name	**CULEBRA BLUFF SECTION 26 CS**
Date Release Discovered	**12/27/2022**
Surface Owner	**Private**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	177
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2024
Time sampling will commence	08:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of NM-387 & GR Howard Road, travel South on 387 for 0.5 miles. Turn East and travel 0.25 miles. Turn South and travel 0.49 miles. Turn East and travel 0.76 miles. Turn North and travel 0.05 miles to the provided GPS coordinates (32.278089, -104.054574).

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *abarnhill (4/25/2024).* 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.

Reasons

No reasons found for this submission.

Go Back

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

QUESTIONS

Action 389687

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 389687
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2300944487**
Incident Name	**NAPP2300944487 CULEBRA BLUFF SECTION 26 CS @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2132753053] Culebra Bluff Section 26 CS**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CULEBRA BLUFF SECTION 26 CS
Date Release Discovered	12/27/2022
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
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 for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Gas Compressor Station | Crude Oil | Released: 7 BBL | Recovered: 0 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
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.*

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 389687
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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 of 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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 10/03/2024

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QUESTIONS (continued)

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QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	440
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/02/2023
On what date will (or did) the final sampling or liner inspection occur	11/01/2024
On what date will (or was) the remediation complete(d)	11/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	52
What is the estimated volume (in cubic yards) that will be remediated	2
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
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.	

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QUESTIONS (continued)

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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	SUNDANCE SERVICES, INC [fKJ1600527371]
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	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 10/03/2024
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.	

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QUESTIONS (continued)

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QUESTIONS

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	No

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**363372**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/17/2024**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**18000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 389687

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit deferral request or remediation closure report to the OCD by 1/6/2025.	10/8/2024