



REVIEWED

By Mike Buchanan at 4:43 pm, Sep 25, 2023

2022 Annual Groundwater Monitoring Report

O-6 Pipeline Release

Lea County, New Mexico

NMOCD 1RP-5177

Incident Number nCH1823943024

ETC Texas Pipeline, Ltd

August 01, 2023

Review of the 2022
Annual
Groundwater
Monitoring Report:

Content

Satisfactory

1. Continue to conduct quarterly groundwater monitoring for 2023
- 2 Submit the Annual Groundwater Monitoring report for 2023 by April 1, 2024.
3. Deploy absorbent socks for residual LNAPL as prescribed in report.

→ **The Power of Commitment**

1755 Wittington Place, Suite 500
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Your ref: New Mexico Oil Conservation Division AP-105
Our ref: 12603935-Velez-1

August 01, 2023

Mr. Nelson Velez
State of New Mexico
Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

2022 Annual Groundwater Monitoring Report
O-6 Pipeline Release
ETC Texas Pipeline, Ltd.
Lea County, New Mexico
New Mexico Oil Conservation Division Remediation Permit 1RP-1577
Incident Number nCH1823943024

Dear Mr. Velez:

On behalf of ETC Texas Pipeline, Ltd. (ETC), GHD Services Inc. (GHD) is submitting the 2022 Annual Groundwater Monitoring Report (Report) for the above-referenced property (Site) to the New Mexico Oil Conservation Division (NMOCD). The Report summarizes activities performed at the Site during 2022 in accordance with the NMOCD's recommendations in response to the *2021 Annual Remediation and Groundwater Monitoring Report* submitted to the NMOCD in August 2022.

Should you have any questions or comments regarding this submittal, please contact the undersigned.

Regards,



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BO/mss/1

Encl: 2022 Annual Groundwater Monitoring Report

Copy to: Stacy Boultinghouse, Energy Transfer
Terry Richey, c/o Millard Deck Testamentary Trust c/o Southwest Bank Wealth & Management
Trust Services

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1. Introduction

This report presents the results of groundwater monitoring activities and Mobile Dual Phase Extraction (MDPE) events performed during 2022 by GHD Services Inc. (GHD) at the ETC Texas Pipeline, Ltd. (ETC) O-6 pipeline release (Site). The Site is located approximately 5 miles south of Monument, New Mexico within Unit J, Section 27, Township 20 South, Range 37 East, in Lea County, New Mexico (**Figure 1**). The Site is regulated by the New Mexico Oil Conservation Division (NMOCD) under remediation permit 1RP-1577 and is associated with NMOCD incident number nCH1823943024. The Site surface is privately owned by the Millard Deck Estate.

1.1 Site Description and Background

In March 2018, a leak was discovered in a four-inch O-6 pipeline when a bell hole was excavated to expose a portion of the pipeline for repairs. The bell hole was approximately 18 feet long, by 12 feet wide, by 4 feet deep. The NMOCD was notified of the open bell hole and release in March 2018. A total of three monitoring well and four soil vapor extraction (SVE) wells have been installed at the Site. A Site Plan showing the well locations and Site features is included as **Figure 2**.

Assessment activities at the Site began on March 28, 2018, when soil samples were collected from the walls of the open bell hole and from a test pit dug deeper within the bell hole to 12 feet below ground surface (ft bgs). The samples were collected and analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8021B, full range total petroleum hydrocarbons (TPH) by EPA Method 8015M, and chloride by Standard Method 4500. The test pit was excavated an additional 8 feet to 20 ft bgs on April 8, 2018, and an additional soil sample was collected from its base. Analytical results from both sampling events indicate that BTEX, TPH, and chloride were detected in the soil at the Site at concentrations that exceeded their respective Site-specific Recommended Remedial Action Limits (RRAL) as per the New Mexico Administrative Code (NMAC), Title 19, Chapter 15, Part 29 (19.15.29).

Additional soil investigations were conducted in May and July 2018, which included advancing two soils borings (SB and SB-2). Soil analytical results from these investigations indicated BTEX and TPH were detected at concentrations that exceeded the NMOCD Remediation Action Levels. A summary of the May and July 2018 investigations was detailed a letter report to the NMOCD dated September 13, 2018. The September 2018 report also included a work plan proposal to conduct additional Site characterization of both soil and groundwater via advancement of additional soil borings and installation of monitoring and remediation wells. The work plan was approved by the NMOCD on October 19, 2018.

Delineation of soil impacts continued during November 2018 with the advancement of five soil borings via hand auger (HA-1 through HA-5) and three soil borings via HSA (MW-1, SB-2, SVE-1). MW-1 was completed as a groundwater monitoring well, SVE-1 was completed as a SVE well, and SB-2 was plugged at the end of drilling activities. Groundwater was confirmed to be approximately 53 to 55 ft bgs below a 2 to 3 ft thick clay layer at approximately 50 ft bgs. Soil analytical results from SVE-1 indicated BTEX and TPH were detected at concentrations that exceeded the NMOCD Remediation Action Levels. Soil analytical results for the remaining HSA and hand auger borings indicated detected concentrations were below the NMOCD Remediation Action Levels. A summary of soil analytical results is presented in **Table 1**.

Three mobile SVE events were performed in 2019 on well SVE-1, which removed an estimated 266 pounds (lbs) of TPH gasoline range organics (GRO) from the subsurface at the Site. In December 2019, SVE wells, SVE-2, SVE-3, and SVE-4, and groundwater monitoring wells MW-2 and MW-3 were installed.

Clear Fork Consulting Services (Clear Fork) performed 30-day mobile dual phase extraction (MDPE) events at the Site in April 2020, April 2021, June 2021, and September 2021, the details of which are provided in previous annual groundwater monitoring reports submitted to the NMOCD. A total of approximately 1,982.9 gallons of combined vapor

and liquid hydrocarbons and 1,212 gallons of potentially hydrocarbon impacted groundwater were recovered from the subsurface during these events.

Semi-annual groundwater monitoring and MDPE events were completed in 2022 and are discussed in this report.

1.2 Site Characterization

According to the New Mexico Bureau of Geology and Mineral Resources Interactive Resources Map, the Site is situated in an area of recent Quaternary eolian and piedmont deposits. Soils typically found in this area consist poorly graded sand and gravels cemented by calcium carbonate.

Groundwater at the Site is encountered at approximately 50 ft bgs and is unconfined. The groundwater gradient is generally to the east.

2. Continuous Mobile Dual Phase Extraction

Two continuous MDPE events were conducted by Clear Fork at the Site in 2022. Clear Fork utilized a MDPE system with a patented process consisting of a modified internal combustion engine with a high vacuum knockout tank to extract and destroy subsurface hydrocarbons. Based on the presence of light non-aqueous phase liquids (LNAPL) and soil vapor analysis results from the previous 2021 events, SVE wells SVE-1 and SVE-3 were utilized as the extraction wells to maximize hydrocarbon recovery efforts at the Site. The two MDPE events performed during 2022 are as follows.

- Event #1 - 719 hours from April 11 to May 11, 2022
- Event #2 - 334 hours from August 29 to September 12, 2022

The engine computers utilize built-in temperature and flow meters to measure and calculate vapor recovery within the subsurface. This recovery is measured and displayed in British Thermal Units (BTU) per hour. Using the measured BTU numbers during the events, it was determined that the MDPE system extracted and destroyed approximately 275.1 gallons of hydrocarbons extracted as vapor and 24.1 gallons of hydrocarbons extracted as liquid. The engine(s) also recovered 8.0 gallons of potentially hydrocarbon impacted groundwater. The impacted groundwater was temporarily stored on-Site for future disposal at a licensed disposal facility.

Three (3) influent air samples were collected from the extraction wells during the recovery events for the purpose of laboratory analysis of the influent vapor stream. The influent samples reported concentrations of TPH/GRO (C6-C10) of 1,340 to 1,640 parts per million volume (ppmv) within SVE-1/SVE-3. The air samples can aid in determining the exact gases recovered within the sub-surface. However, it should be noted that the samples collected during this event only represented a snapshot of the vapor stream during the events. The BTU calculation within the controller calculates the recovery continuously and is more representative of the actual recovery rates and totals. The controller collected a snapshot of the recovery every 60 minutes of the events over the course of the entire events. The laboratory analytical reports associated with the 2022 MDPE remedial efforts as well as BTU, GRO and TPH recovery table calculations and formulas are included as part of the Clear Fork MDPE Summary Reports presented in **Appendix A**.

3. Groundwater Monitoring

GHD performed groundwater monitoring events in March, April, June, August, and November 2022. The monitoring program included gauging the entire network of wells (SVE-1 through SVE-4, MW-1, MW-2, MW-3) and collecting groundwater samples from the monitoring wells MW-1, MW-2, and MW-3. The event conducted in April 2022 was in correlation with the MDPE event and only consisted of gauging the network of wells.

3.1 Monitoring and SVE Well Gauging

On March 17, April 11, June 30, August 30, and November 10, 2022, GHD personnel measured the depth to groundwater and LNAPL thickness, if present, in the wells indicated above using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory-grade soap and purified water prior to gauging each monitoring well. LNAPL was not observed in any of the monitoring wells gauged but was observed in SVE-1 in March (0.95 ft) and April (1.10 ft) and SVE-3 in November (0.27 ft). Depth to groundwater, LNAPL thickness measurements, and calculated groundwater elevations are summarized in **Table 2**.

Based on the data collected in 2022, groundwater flow is generally east and is consistent with historical data for the Site. Groundwater potentiometric surface maps for the gauging events are presented as **Figures 3 through 7**. The groundwater gradient was calculated at 0.0019 ft/ft in March, at 0.0016 ft/ft in June and November, and at 0.0013 ft/ft in August.

3.2 Groundwater Sampling

Following gauging during each 2022 event, except April, GHD collected groundwater samples from MW-1, MW-2, and MW-3. Prior to sampling, GHD personnel utilized dedicated polyethylene bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The wells were given time to recover prior to collecting a groundwater sample. Purge water generated during gauging and sampling events was poured onto impervious surface at the Site and allowed to evaporate. Groundwater quality parameters of temperature, pH, oxidation reduction potential, and conductivity were collected with a field-calibrated multi-parameter groundwater quality meter and recorded on groundwater sampling forms. A summary of field parameters is presented in **Table 3**.

Groundwater samples were collected, placed in laboratory-prepared sample containers, packed in a cooler with ice, and shipped under Chain-of-Custody documentation to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. All samples were analyzed for BTEX via EPA Method 8260 and chloride via EPA Method 300.0.

3.3 Quality Assurance/Quality Control

During each groundwater monitoring event, a field duplicate was collected as a Quality Assurance/Quality Control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also submitted as a QA/QC sample for each groundwater monitoring event.

3.4 Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). Groundwater quality standards have been set for the protection of human health, domestic water supply, and irrigation use.

The groundwater analytical results for 2022 are summarized in **Table 4** and the corresponding laboratory analytical reports are included in **Appendix B**. A COC concentration map is presented as **Figure 8**. A brief summary of detected concentrations that exceeded their respective NMWQCC standard is discussed below.

- BTEX was not detected at concentrations above laboratory detection limits in any of the groundwater samples collected from the three wells during 2022.
- Chloride was detected at concentrations that exceeded its NMWQCC standard in all groundwater samples collected from the three wells during each sampling event in 2022.

4. Summary and Recommendations

4.1 Summary

The following summarizes the information and data presented in this report.

- The two MDPE events conducted in 2022 recovered approximately 299.2 gallons of combined vapor and liquid hydrocarbons from the Site's subsurface. A total of 8.0 gallons of potentially hydrocarbon-impacted groundwater was also recovered during the MDPE events. All recovered liquids were disposed of off-Site at an approved disposal facility.
- In total, approximately 2,083 gallons of hydrocarbons as vapor, 199.1 gallons of hydrocarbons as liquid, and 1,220 gallons of potentially hydrocarbon impacted groundwater have been removed from the Site's subsurface since 2020.
- Although LNAPL was observed in SVE-1 and SVE-3 during 2022, the amounts observed have diminished significantly and by November 2022 was only observed in SVE-3. The LNAPL appears as a perched feature on top of a thin clay layer in the release area.
- MDPE has effectively removed hydrocarbons from the Site's subsurface and has prevented further impact to groundwater at the Site. However, the TPH influent air sample collected at the end of the MDPE event in May 2022 was comparable to the initial air samples collected at the start of the August 2022 event, indicating further MDPE events would not be beneficial.
- BTEX was not detected in groundwater samples above the laboratory detection limit during 2022.
- Chloride was detected at concentrations that exceeded its NMWQCC standard in all groundwater samples collected during 2022.

4.2 Recommendations

Based on the remediation and assessment activities administered to date, GHD recommends the following activities for 2023.

- Continue to conduct quarterly groundwater monitoring at the Site.
- Discontinue MDPE events as the latest event in September 2022 indicated minimal return and further events would likely not be beneficial.
- Install absorbent socks for recovery of residual LNAPL in SVE-1 and SVE-3.
- Advance three (3) borings to 50 feet bgs via direct push technology (DPT) to assess residual concentrations of BTEX, TPH, and chlorides in the soil. Refer to **Figure 9** for the proposed boring locations.

Table 1
Summary of Soil Analytical Results
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177

Sample Location	Date	Sample Depth (ft)	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Total Petroleum Hydrocarbons (TPH)				
									TPH GRO (C6-C10)	TPH DRO (>C10-C28)	TPH ORO (>C28-C36)	TPH GRO+DRO (C6-C28)	Total TPH (C6-C36)
NMAC Soil Closure Criteria			10,000	10	ne	ne	ne	50	ne	ne	ne	1,000	2,500
Vertical	3/28/2018	12	256	18.1	108	148	377	652	11,700	5,170	1,320	16,900	18,200
Vertical	4/3/2018	20	432	21.1	179	213	464	877	13,500	2,890	<100	16,400	16,400
North	3/28/2018	4	5,840	<2.00	7.68	11.3	32.1	51.0	959	1,390	990	2,350	3,340
South	3/28/2018	4	1,010	<0.300	<0.0500	<0.0500	<0.150	<0.0500	<10.0	26.9	29.2	26.9	56.1
East Wall	3/28/2018	4	912	<2.00	<2.00	6.79	63.6	70.4	2,290	3,060	1600	5,350	6,950
West Wall	3/28/2018	4	752	<0.300	<0.0500	<0.0500	<0.150	<0.0500	<10.0	30.7	38.7	30.7	69.4
SB	5/15/2018	5	<30.0	<0.0230	<0.0460	<0.0460	<0.093	<0.208	<4.60	<9.80	<49.0	<14.4	<63.4
SB	5/15/2018	10	<30.0	--	--	--	--	--	--	--	--	--	--
SB	5/15/2018	15	190	<0.0230	<0.0460	<0.0460	<0.092	<0.207	<4.60	<9.90	<49.0	<14.5	<63.4
SB	5/15/2018	20	280	--	--	--	--	--	--	--	--	--	--
SB	5/15/2018	25	370	--	--	--	--	--	--	--	--	--	--
SB	5/15/2018	30	280	--	--	--	--	--	--	--	--	--	--
SB	5/15/2018	35	280	--	--	--	--	--	--	--	--	--	--
SB	5/15/2018	40	230	<0.0240	<0.0490	<0.0490	<0.0980	<0.220	<4.90	<10.0	<50.0	<14.9	<64.9
SB-2	7/30/2018	20	800	4.23	47.3	48.7	122	222	2,390	404	<50.0	2,800	2,800
SB-2	7/30/2018	25	688	2.21	19.3	25.1	60.5	107	1,230	297	<100	1,530	1,530
SB-2	7/30/2018	30	320	--	--	--	--	--	--	--	--	--	--
SB-2	7/30/2018	35	320	--	--	--	--	--	--	--	--	--	--
SB-2	7/30/2018	40	320	1.03	18.0	23.2	48.2	90.4	1,250	156	<50.0	1,410	1,410
SB-2*	11/27/2018	5	57.0	<0.0240	<0.0490	<0.0490	<0.0970	<0.219	<4.90	<9.70	<49.0	<14.6	<63.6
SB-2*	11/27/2018	10	52.0	<0.0240	<0.0480	<0.0480	<0.0970	<0.217	<4.80	<9.70	<48.0	<14.5	<62.5
SB-2*	11/27/2018	20	150	<0.0240	<0.0480	<0.0480	<0.0970	<0.217	<4.80	<10.0	<50.0	<14.8	<64.8
HA-1	11/27/2018	1	<30.0	<0.0250	<0.0500	<0.0500	<0.100	<0.225	<5.00	<9.80	<49.0	<14.8	<63.8
HA-1	11/27/2018	3	<30.0	<0.0240	<0.0490	<0.0490	<0.0970	<0.219	<4.90	14.0	<50.0	14.0	<68.9
HA-2	11/27/2018	1	<30.0	<0.0250	<0.0490	<0.0490	<0.099	<0.222	<4.90	<9.70	<49.0	<14.6	<63.6
HA-2	11/27/2018	3	<30.0	<0.0230	<0.0460	<0.0460	<0.093	<0.208	<4.60	<9.80	<49.0	<14.4	<63.4
HA-3	11/27/2018	1	<30.0	<0.0240	<0.0480	<0.0480	<0.095	<0.215	<4.80	<9.90	<50.0	<14.7	<64.7
HA-3	11/27/2018	3	<30.0	<0.0250	<0.0490	<0.0490	<0.098	<0.221	<4.90	<9.70	<49.0	<14.6	<63.6
HA-4	11/27/2018	1	<30.0	<0.0240	<0.0480	<0.0480	<0.0970	<0.217	<4.80	<9.80	<49.0	<14.6	<63.6
HA-4	11/27/2018	3	<30.0	<0.0240	<0.0490	<0.0490	<0.0970	<0.219	<4.90	<9.70	<48.0	<14.6	<62.6
HA-5	11/29/2018	5	<30.0	<0.0240	<0.0470	<0.0470	<0.095	<0.213	<4.70	<10.0	<50.0	<14.7	<64.7
HA-5	11/29/2018	8	<30.0	<0.0240	<0.0490	<0.0490	<0.0970	<0.219	<4.90	<9.80	<49.0	<14.7	<63.7
MW-1	11/28/2018	20	120	<0.0240	<0.0480	<0.0480	<0.095	<0.215	<4.80	<9.80	<49.0	<14.6	<63.6
MW-1	11/28/2018	50	290	<0.0230	<0.0460	<0.0460	<0.092	<0.207	<4.60	<9.70	<49.0	<14.3	<63.3
MW-1	11/28/2018	53	230	<0.0240	<0.0480	<0.0480	<0.096	<0.216	<4.80	<9.60	<48.0	<14.4	<62.4
MW-2	12/13/2019	45-47	330	<0.0250	<0.0500	<0.0500	<0.099	<0.224	<5.00	43.0	130	43.0	173
MW-2	12/13/2019	55	140	<0.0230	<0.0460	<0.0460	<0.093	<0.208	<4.60	16.0	<49.0	16.0	16.0
MW-3	12/12/2019	20-22	<61.0	<0.0240	<0.0480	<0.0480	<0.095	<0.215	<4.80	<9.50	<48.0	<14.3	<62.3
MW-3	12/12/2019	50-52	290	<0.0230	<0.0460	<0.0460	<0.092	<0.207	<4.60	16.0	<45.0	16.0	16.0
SVE-1	11/27/2018	15	160	<0.120	0.560	2.10	5.20	7.98	250	400	870	650	1,520
SVE-1	11/27/2018	20	790	2.10	36.0	38.0	81.0	157	2,300	1,000	1600	3,300	4,900
SVE-1	11/27/2018	35	250	<0.490	4.20	16.0	36.0	56.7	1,500	970	230	2,470	2,700

Table 1
Summary of Soil Analytical Results
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177

Sample Location	Date	Sample Depth (ft)	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Total Petroleum Hydrocarbons (TPH)				
									TPH GRO (C6-C10)	TPH DRO (>C10-C28)	TPH ORO (>C28-C36)	TPH GRO+DRO (C6-C28)	Total TPH (C6-C36)
NMAC Soil Closure Criteria			10,000	10	ne	ne	ne	50	ne	ne	ne	1,000	2,500
SVE-1	11/27/2018	51	180	<0.0230	<0.0460	0.140	0.360	0.569	12.0	120	360	132	492
SVE-2	12/3/2019	10-12	190	<0.46	0.700	2.20	36.0	38.9	1,000	1,800	2,100	2,800	4,900
SVE-2	12/4/2019	45-47	240	1.60	21.0	21.0	44.0	87.6	1,500	620	580	2,120	2,700
SVE-2	12/4/2019	49	270	0.230	4.80	6.90	15.0	26.9	430	210	260	640	850
SVE-3	12/4/2019	10-12	340	<0.25	0.620	3.90	13.0	17.5	440	820	1,200	1,260	2,460
SVE-3	12/4/2019	47-49	140	18.0	210	140	200	568	7,400	3,000	2700	10,400	13,100
SVE-3	12/4/2019	52	170	<0.120	2.70	4.70	10.0	17.4	280	110	160	390	530
SVE-4	12/12/2019	45-47	250	<0.0230	<0.0470	<0.0470	<0.094	<0.211	<4.70	<9.40	<47.0	<13.7	<60.7
SVE-4	12/12/2019	50-51	250	<0.0240	<0.0470	0.140	0.390	0.530	13.0	43.0	110	56.0	166

Notes:

- 1) Analytical results are presented in milligrams per kilogram (mg/kg).
- 2) NMAC - New Mexico Administrative Code
- 3) ft - feet ne - not established
- 4) GRO - gasoline range organics, DRO - diesel range organics, ORO - oil range organics
- 5) -- = not analyzed
- 6) < - Analyte was not detected at or above the laboratory reporting limit.
- 7) Bolded/shaded results exceed their respective NMAC Closure Criteria for Soils Impacted by a Release (Title 19, Chapter 15, Part 29; Table I) where depth to groundwater is between 51 and 100 ft below ground surface.
- 8) There are two SB-2 borings that are at different locations at the Site. The boring advanced in November 2018 is denoted by SB-2*.

Table 2

Page 1 of 3

**Summary of Groundwater Elevation Data
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177**

Well ID	Date Measured	Top of Casing Elevation (ft AMSL)	Total Depth (ft below TOC)	Depth to LNAPL (ft below TOC)	Depth to Groundwater (ft below TOC)	LNAPL Thickness (ft)	Groundwater Elevation (ft AMSL)
MW-1	12/4/2018	3,505.24	65.60	--	53.26	--	3,451.98
	5/20/2019			--	52.74	--	3,452.50
	12/13/2019			--	53.11	--	3,452.13
	2/24/2020			--	52.94	--	3,452.30
	4/20/2020			--	52.86	--	3,452.38
	7/28/2020			--	53.29	--	3,451.95
	11/16/2020			--	53.60	--	3,451.64
	4/1/2021			--	53.60	--	3,451.64
	4/19/2021			--	53.35	--	3,451.89
	6/16/2021			--	53.53	--	3,451.71
	9/13/2021			--	53.54	--	3,451.70
	11/29/2021			--	53.62	--	3,451.62
	3/17/2022			--	53.46	--	3,451.78
	4/11/2022			--	53.54	--	3,451.70
	6/30/2022			--	53.78	--	3,451.46
	8/30/2022			--	54.16	--	3,451.08
	11/10/2022			--	53.89	--	3,451.35
MW-2	12/13/2019	3,506.44	65.60	--	54.32	--	3,452.12
	2/24/2020			--	54.13	--	3,452.31
	4/20/2020			--	54.03	--	3,452.41
	7/28/2020			--	54.48	--	3,451.96
	11/16/2020			--	54.80	--	3,451.64
	4/1/2021			--	54.76	--	3,451.68
	4/19/2021			--	54.54	--	3,451.90
	6/16/2021			--	54.71	--	3,451.73
	9/13/2021			--	54.73	--	3,451.71
	11/29/2021			--	54.80	--	3,451.64
	3/17/2022			--	54.68	--	3,451.76
	4/11/2022			--	54.71	--	3,451.73
	6/30/2022			--	54.97	--	3,451.47
	8/30/2022			--	55.38	--	3,451.06
	11/10/2022			--	55.10	--	3,451.34
MW-3	12/13/2019	3,505.08	67.80	--	52.84	--	3,452.24
	2/24/2020			--	52.65	--	3,452.43
	4/20/2020			--	52.55	--	3,452.53
	7/28/2020			--	53.00	--	3,452.08
	11/16/2020			--	53.31	--	3,451.77
	4/1/2021			--	53.28	--	3,451.80
	4/19/2021			--	53.06	--	3,452.02
	6/16/2021			--	53.24	--	3,451.84
	9/13/2021			--	53.24	--	3,451.84
	11/29/2021			--	53.51	--	3,451.57
	3/17/2022			--	53.18	--	3,451.90
	4/11/2022			--	53.24	--	3,451.84
	6/30/2022			--	53.49	--	3,451.59
	8/30/2022			--	53.89	--	3,451.19
	11/10/2022			--	53.62	--	3,451.46

Table 2

**Summary of Groundwater Elevation Data
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177**

Well ID	Date Measured	Top of Casing Elevation (ft AMSL)	Total Depth (ft below TOC)	Depth to LNAPL (ft below TOC)	Depth to Groundwater (ft below TOC)	LNAPL Thickness (ft)	Groundwater Elevation (ft AMSL)
SVE-1	12/4/2018	3,505.21	55.30	52.02	55.22	3.20	3,452.55
	5/20/2019			51.84	55.25	3.41	3,452.69
	12/13/2019			52.05	54.71	2.66	3,452.63
	2/24/2020			51.93	54.69	2.76	3,452.73
	4/20/2020			51.85	54.68	2.83	3,452.79
	7/28/2020			52.45	54.64	2.19	3,452.32
	11/16/2020			52.55	54.63	2.08	3,452.24
	4/1/2021			52.60	54.65	2.05	3,452.20
	4/19/2021			52.54	54.61	2.07	3,452.26
	6/16/2021			--	--	--	--
	9/13/2021			53.21	53.70	0.49	3,451.90
	11/29/2021			53.37	53.45	0.08	3,451.82
	3/17/2022			53.25	54.20	0.95	3,451.77
	4/11/2022			53.15	54.25	1.10	3,451.84
	6/30/2022			--	53.49	--	3,451.72
	8/30/2022			--	53.54	--	3,451.67
	11/10/2022			--	55.28	--	3,449.93
SVE-2	12/13/2019	3,504.98	51.20	--	--	--	--
	2/24/2020			--	--	--	--
	4/20/2020			--	--	--	--
	7/28/2020			--	--	--	--
	11/16/2020			--	--	--	--
	4/1/2021			--	--	--	--
	4/19/2021			--	--	--	--
	6/16/2021			--	--	--	--
	9/13/2021			--	--	--	--
	11/29/2021			--	--	--	--
	3/17/2022			--	--	--	--
	4/11/2022			--	--	--	--
	6/30/2022			--	--	--	--
	8/30/2022			--	--	--	--
	11/10/2022			--	51.17	--	3,453.81
SVE-3	12/13/2019	3,505.50	53.87	52.32	53.90	1.58	3,452.87
	2/24/2020			52.23	53.85	1.62	3,452.95
	4/20/2020			52.11	53.53	1.42	3,453.11
	7/28/2020			52.70	53.37	0.67	3,452.67
	11/16/2020			52.81	53.10	0.29	3,452.63
	4/1/2021			--	52.86	--	3,452.64
	4/19/2021			52.82	51.79	1.03	3,463.25
	6/16/2021			53.01	52.47	0.54	3,463.09
	9/13/2021			53.16	52.47	0.69	3,462.97
	11/29/2021			53.26	53.28	0.02	3,452.24
	3/17/2022			53.23	--	0.64	--
	4/11/2022			53.16	--	0.71	--
	6/30/2022			--	53.32	--	3,452.18
	8/30/2022			--	53.31	--	3,452.19
	11/10/2022			53.44	53.71	0.27	3,452.01

Table 2

Page 3 of 3

**Summary of Groundwater Elevation Data
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177**

Well ID	Date Measured	Top of Casing Elevation (ft AMSL)	Total Depth (ft below TOC)	Depth to LNAPL (ft below TOC)	Depth to Groundwater (ft below TOC)	LNAPL Thickness (ft)	Groundwater Elevation (ft AMSL)
SVE-4	12/13/2019	3,507.49	53.16	--	--	--	--
	2/24/2020			--	--	--	--
	4/20/2020			--	--	--	--
	7/28/2020			--	--	--	--
	11/16/2020			--	--	--	--
	4/1/2021			--	--	--	--
	4/19/2021			--	--	--	--
	6/16/2021			--	--	--	--
	9/13/2021			--	--	--	--
	11/29/2021			--	--	--	--
	3/17/2022			--	--	--	--
	4/11/2022			--	--	--	--
	6/30/2022			--	--	--	--
	8/30/2022			--	--	--	--
	11/10/2022			--	53.03	--	3,454.46

Notes:

- 1) ft = feet
- 2) AMSL = above mean sea level
- 3) LNAPL = light non-aqueous phase liquid
- 4) TOC = top of casing
- 5) --- = not applicable or not measured
- 6) LNAPL = Light non-aqueous phase liquid
- 7) LNAPL specific density assumed to be 0.80.

Table 3

**Summary of Groundwater Monitoring Field Parameters
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177**

Well ID	Sample Date	pH	Field Temp (C°)	Conductivity (µS/cm)	DO (mg/L)	ORP (mV)
MW-1	12/4/2018	7.22	16.69	11,100	7.48	49.2
	4/20/2020	7.29	20.40	10,200	2.29	-11.7
	11/16/2020	7.13	19.38	10,900	2.07	47.8
	4/1/2021	7.27	19.35	8,430	3.20	38.9
	6/16/2021	7.19	20.04	6,730	3.07	83.5
	9/13/2021	7.36	19.70	6,400	3.31	79.1
	11/29/2021	7.23	19.33	10,400	4.06	55.3
	3/17/2022	7.27	18.86	9,490	4.78	204
	6/30/2022	8.45	19.91	7,230	4.30	262
	8/30/2022	7.24	19.77	7,210	5.15	239
	11/9/2022	7.20	18.97	10,600	5.73	273
MW-2	4/20/2020	7.75	19.00	9,030	1.70	-13.6
	11/16/2020	7.31	19.20	9,390	1.55	130
	4/1/2021	7.34	19.32	7,910	1.27	32.8
	6/16/2021	7.27	19.95	5,970	0.89	21.1
	9/13/2021	7.37	19.41	5,630	1.04	42.5
	11/29/2021	2.28	19.19	9,280	2.60	-9.60
	3/17/2022	7.25	19.32	8,590	1.76	131
	6/30/2022	8.21	19.69	7,050	0.46	225
	8/30/2022	7.21	19.55	6,480	2.60	223
	11/9/2022	7.20	19.37	9,960	1.27	237
MW-3	4/20/2020	7.73	18.60	9,660	1.70	88.5
	11/16/2020	7.19	19.36	10,000	1.26	75.0
	4/1/2021	7.37	19.25	7,360	1.68	31.6
	6/16/2021	7.2	19.95	6,290	1.34	63.1
	9/13/2021	7.31	19.90	5,990	1.35	71.9
	11/29/2021	7.21	19.35	753,000*	0.00*	37.3
	3/17/2022	7.25	18.65	8,960	1.98	188
	6/30/2022	8.01	19.41	6,860	0.73	214
	8/30/2022	7.28	19.68	6,760	2.99	256
	11/9/2022	7.11	20.40	10,100	1.28	249

Notes:

- 1) C° = degrees Celsius
- 2) µS/cm = microsiemens per centimeter
- 3) mg/L = milligrams per liter
- 4) DO = dissolved oxygen
- 5) ORP = oxygen reduction potential
- 6) mV = millivolts
- 7) * = erroneous data - probe malfunction

Table 4

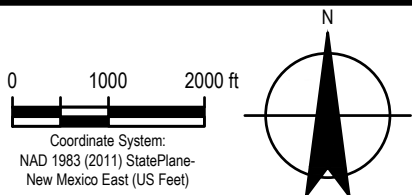
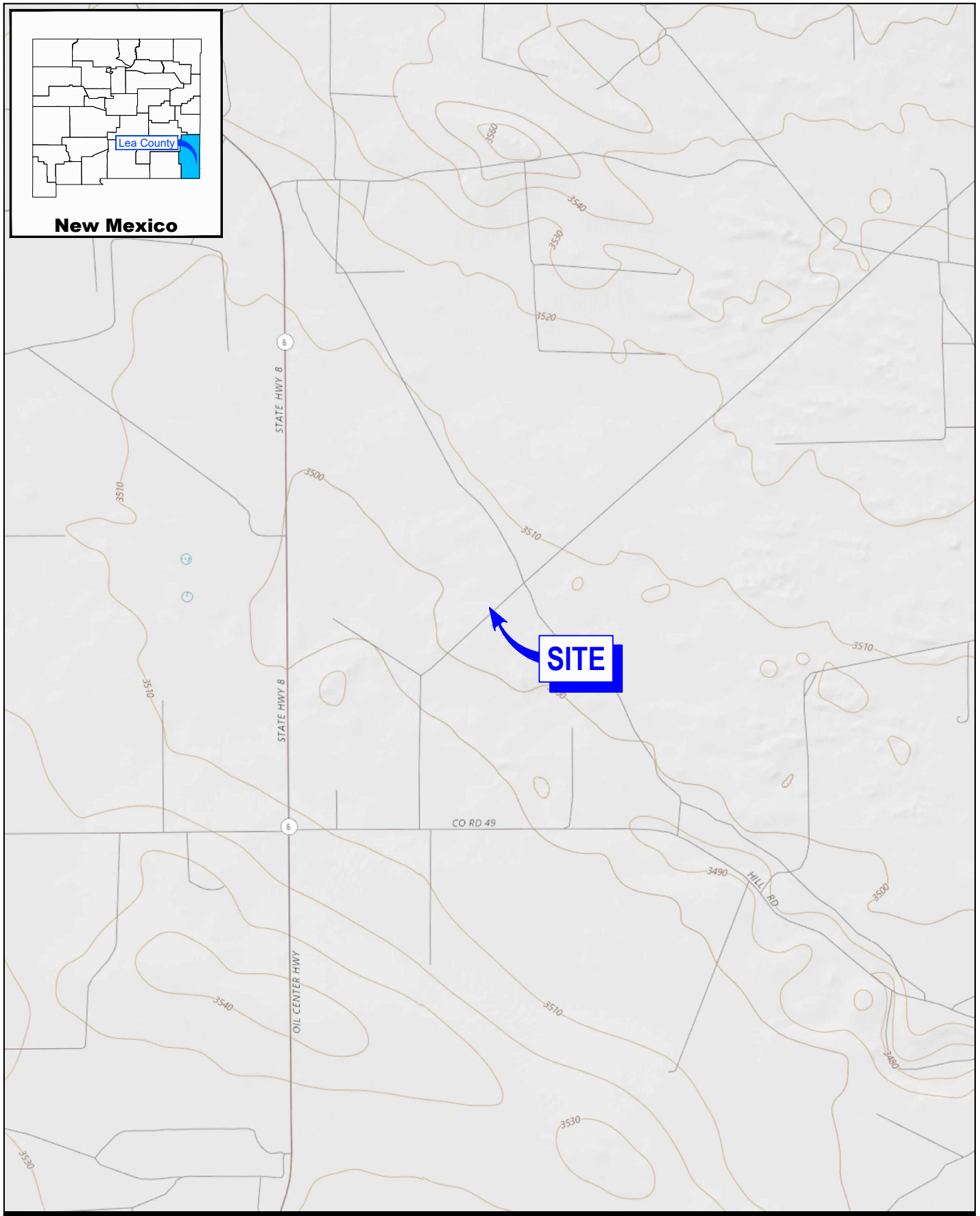
Page 1 of 1

Summary of Groundwater Analytical Results
O-6 Pipeline Release
Lea County, New Mexico
ETC Texas Pipeline, Ltd.
NMOCD 1RP-5177

Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Chloride
NMWQCC Groundwater Standards		0.005	1.0	0.7	0.62	250
MW-1	12/4/2018	<0.0010	<0.0010	<0.0010	<0.0020	1,900
	12/4/2018	<0.0010	<0.0010	<0.0010	<0.0020	1,800
	12/13/2019	0.0010	<0.0010	<0.0010	<0.0020	2,000
	4/20/2020	0.0052	<0.0010	0.0018	<0.0015	2,200
	11/16/2020	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	4/1/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,400
	6/16/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,200
	9/13/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,300
	11/29/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,200
	3/17/2022	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	6/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	8/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,900
	11/10/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,900
MW-2	12/13/2019	<0.0010	<0.0010	<0.0010	<0.0020	1,800
	4/20/2020	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	11/16/2020	<0.0010	<0.0010	<0.0010	<0.0015	1,600
	4/1/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	6/16/2021	<0.0010	<0.0010	<0.0010	<0.0015	1,900
	9/13/2021	<0.0010	<0.0010	<0.0010	<0.0015	1,900
	11/29/2021	<0.0010	<0.0010	<0.0010	<0.0015	1,800
	3/17/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,800
	6/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,800
	8/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,700
	11/10/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,700
MW-3	12/13/2019	<0.0010	<0.0010	<0.0010	<0.0020	1,900
	4/20/2020	0.024	0.058	0.012	0.021	2,000
	11/16/2020	<0.0010	<0.0010	<0.0010	<0.0020	1,800
	4/1/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	6/16/2021	<0.0010	<0.0010	<0.0010	<0.0015	1,900
	9/13/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	11/29/2021	<0.0010	<0.0010	<0.0010	<0.0015	2,000
	3/17/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,800
	6/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,800
	8/30/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,700
	11/10/2022	<0.0010	<0.0010	<0.0010	<0.0015	1,700

Notes:

- 1) Analytical results are presented in milligrams per liter (mg/L)
- 2) NMWQCC = New Mexico Water Quality Control Commission
- 3) < - Analyte was not detected at or above the laboratory reporting limit.
- 4) Shaded/bolded results exceed their respective NMWQCC groundwater quality standard.

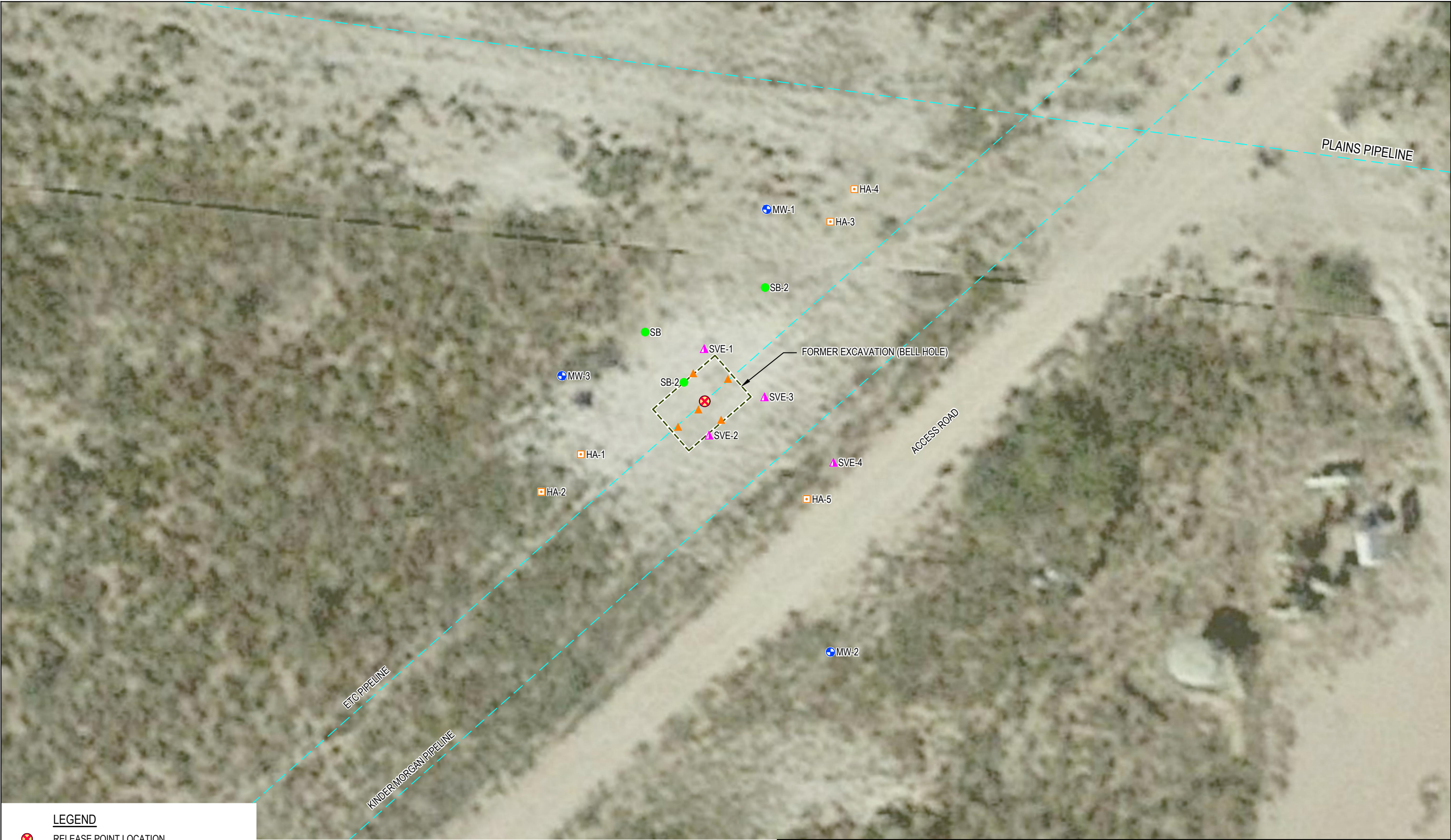


ETC TEXAS PIPELINE, LTD.
LEA COUNTY, NEW MEXICO
0-6 PIPELINE RELEASE
1RP-5177

Project No. 12603935
Date July 2023

SITE LOCATION MAP

FIGURE 1



LEGEND

- RELEASE POINT LOCATION
- EXCAVATION SAMPLE LOCATION
- SOIL BORING LOCATION
- HAND AUGER LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)

0 10 20 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

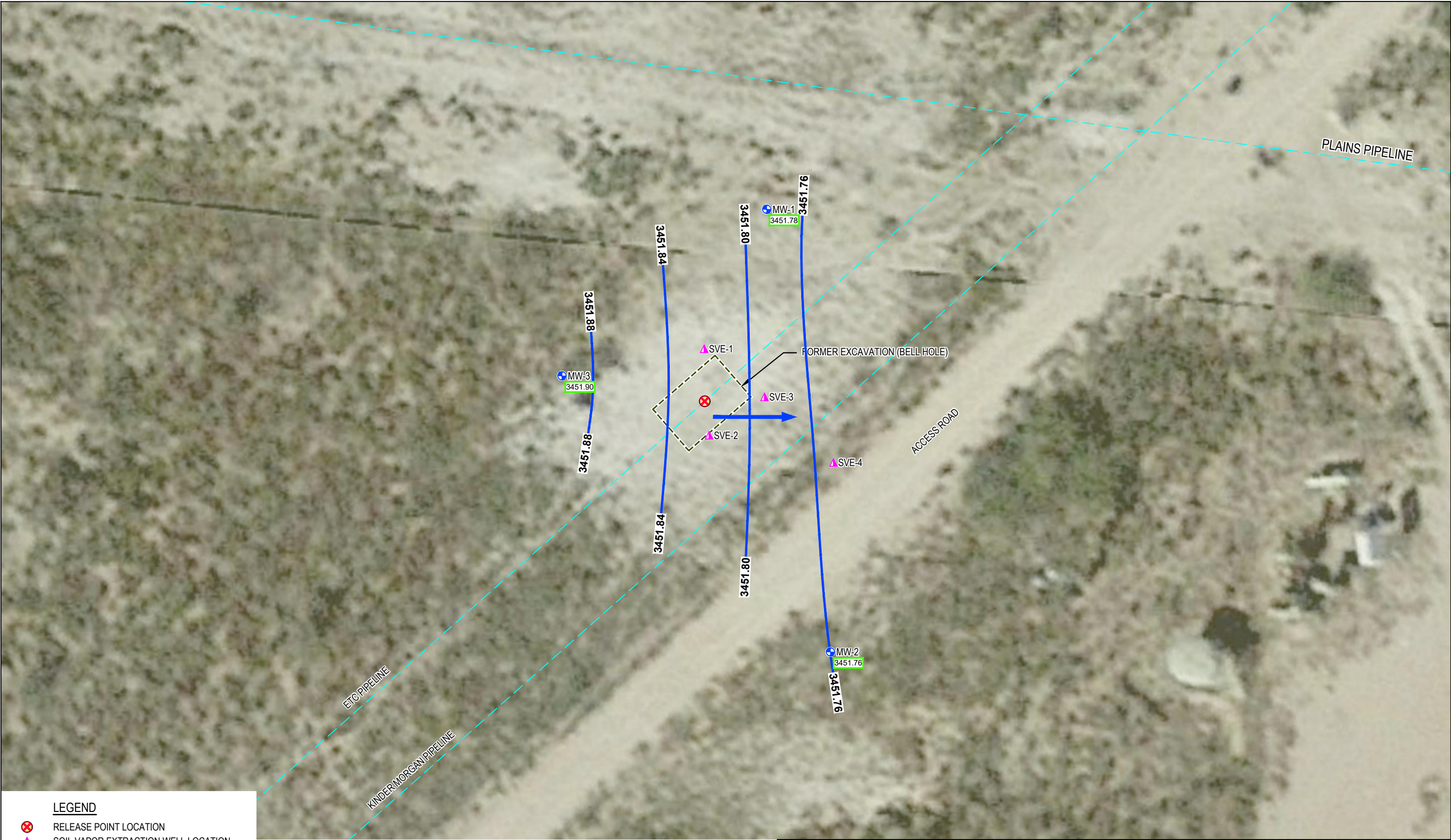


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LEA COUNTY, NEW MEXICO
0-6 PIPELINE RELEASE
1RP-5177

Project No. 12603935
Date July 2023

SITE DETAILS MAP

FIGURE 2



LEGEND

- RELEASE POINT LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.04 FT)
- GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. THE SVE WELLS ARE NOT SCREENED IN THE SAME GROUNDWATER ZONE AS THE MONITORING WELLS AT THE SITE AND ARE THEREFORE NOT UTILIZED IN GENERATING THE POTENTIOMETRIC SURFACE.

0 10 20 ft

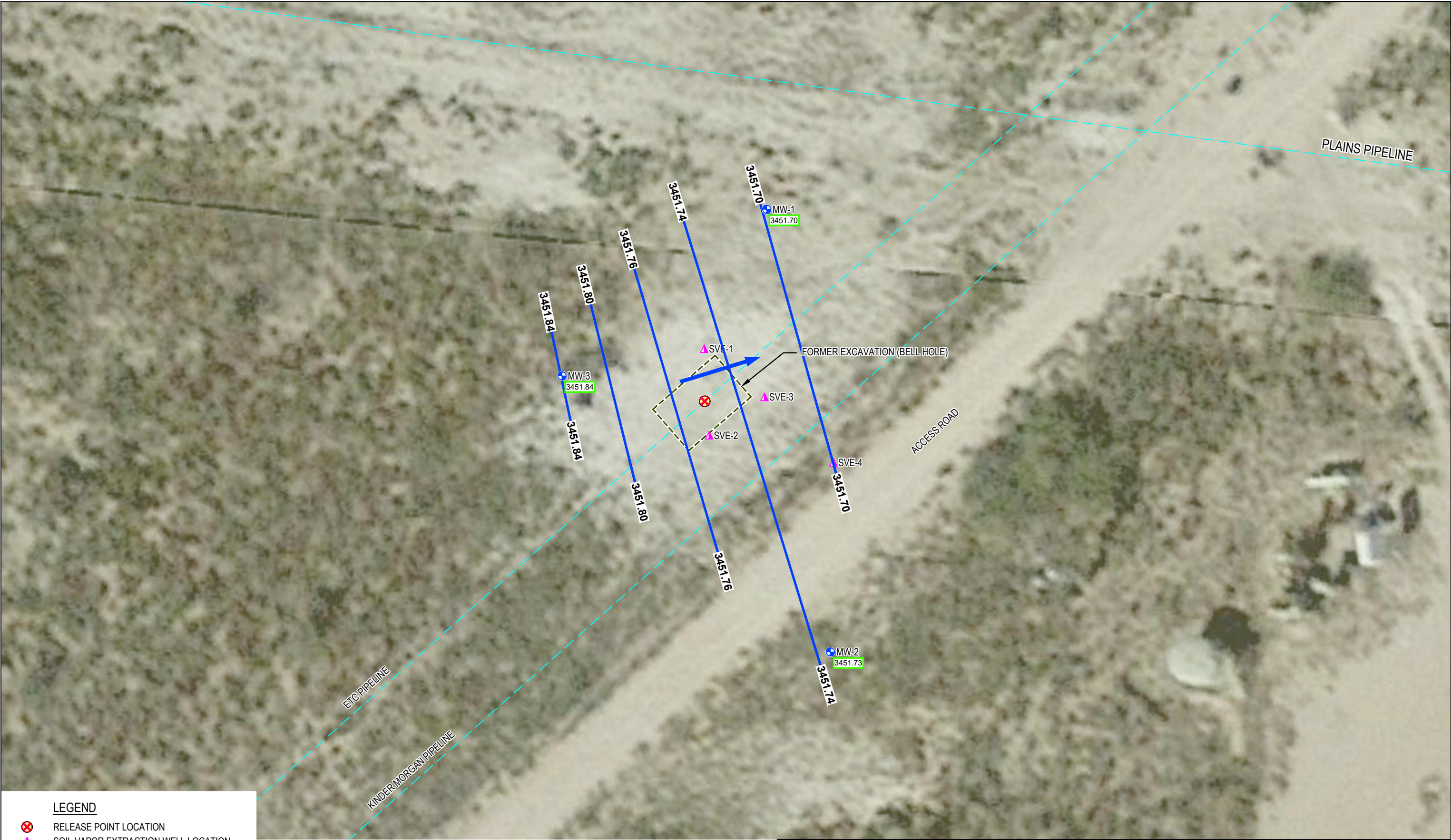
Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

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0-6 PIPELINE RELEASE
1RP-5177

**MARCH 2022
POTENTIOMETRIC SURFACE MAP**

Project No. **12603935**
Date **August 2023**

FIGURE 3



LEGEND

- RELEASE POINT LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.04 FT)
- GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. THE SVE WELLS ARE NOT SCREENED IN THE SAME GROUNDWATER ZONE AS THE MONITORING WELLS AT THE SITE AND ARE THEREFORE NOT UTILIZED IN GENERATING THE POTENTIOMETRIC SURFACE.

0 10 20 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)



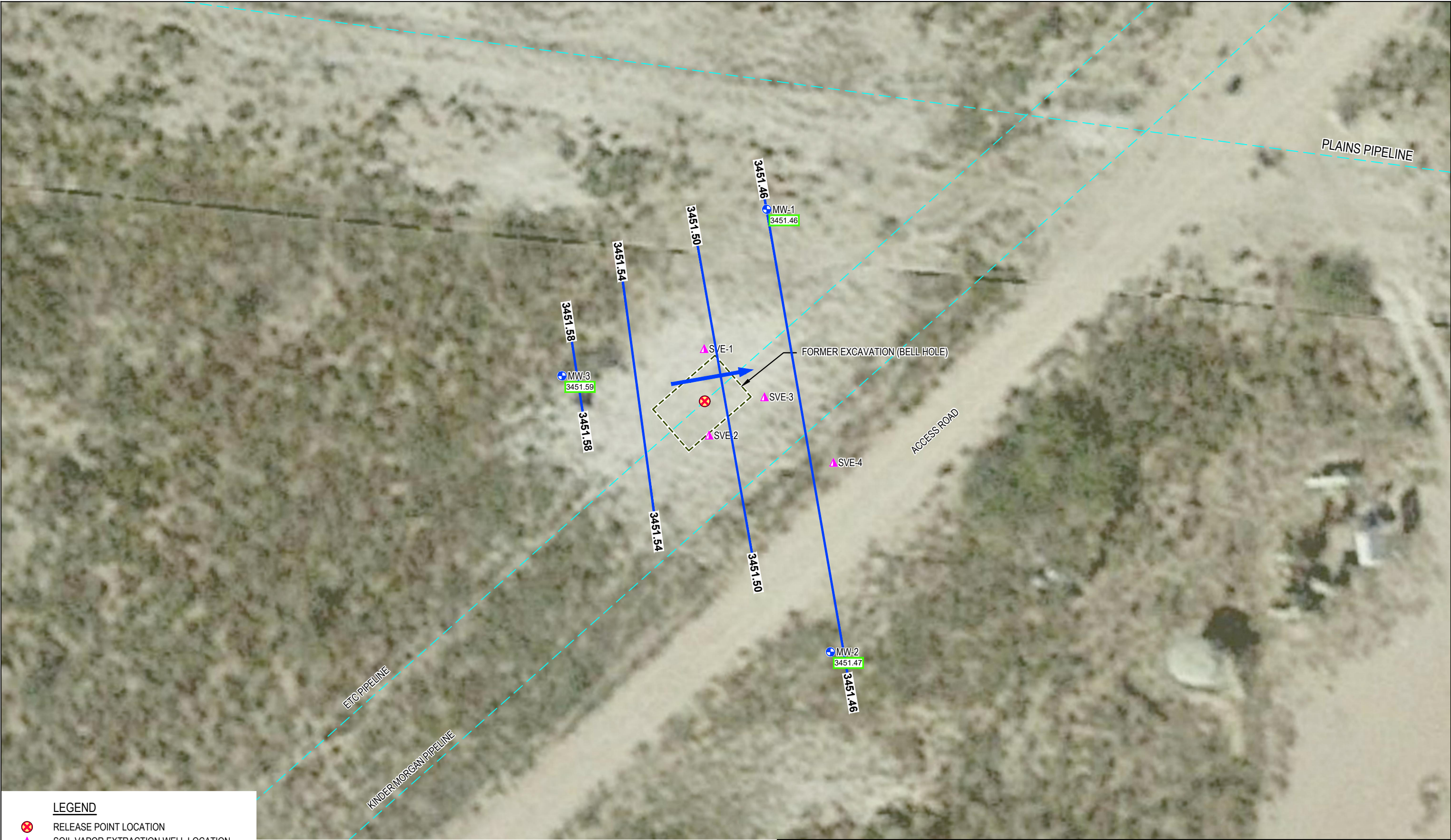
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1RP-5177

APRIL 2022

POTENTIOMETRIC SURFACE MAP

Project No. 12603935
Date August 2023

FIGURE 4



LEGEND

- RELEASE POINT LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.04 FT)
- GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. THE SVE WELLS ARE NOT SCREENED IN THE SAME GROUNDWATER ZONE AS THE MONITORING WELLS AT THE SITE AND ARE THEREFORE NOT UTILIZED IN GENERATING THE POTENTIOMETRIC SURFACE.

0 10 20 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)



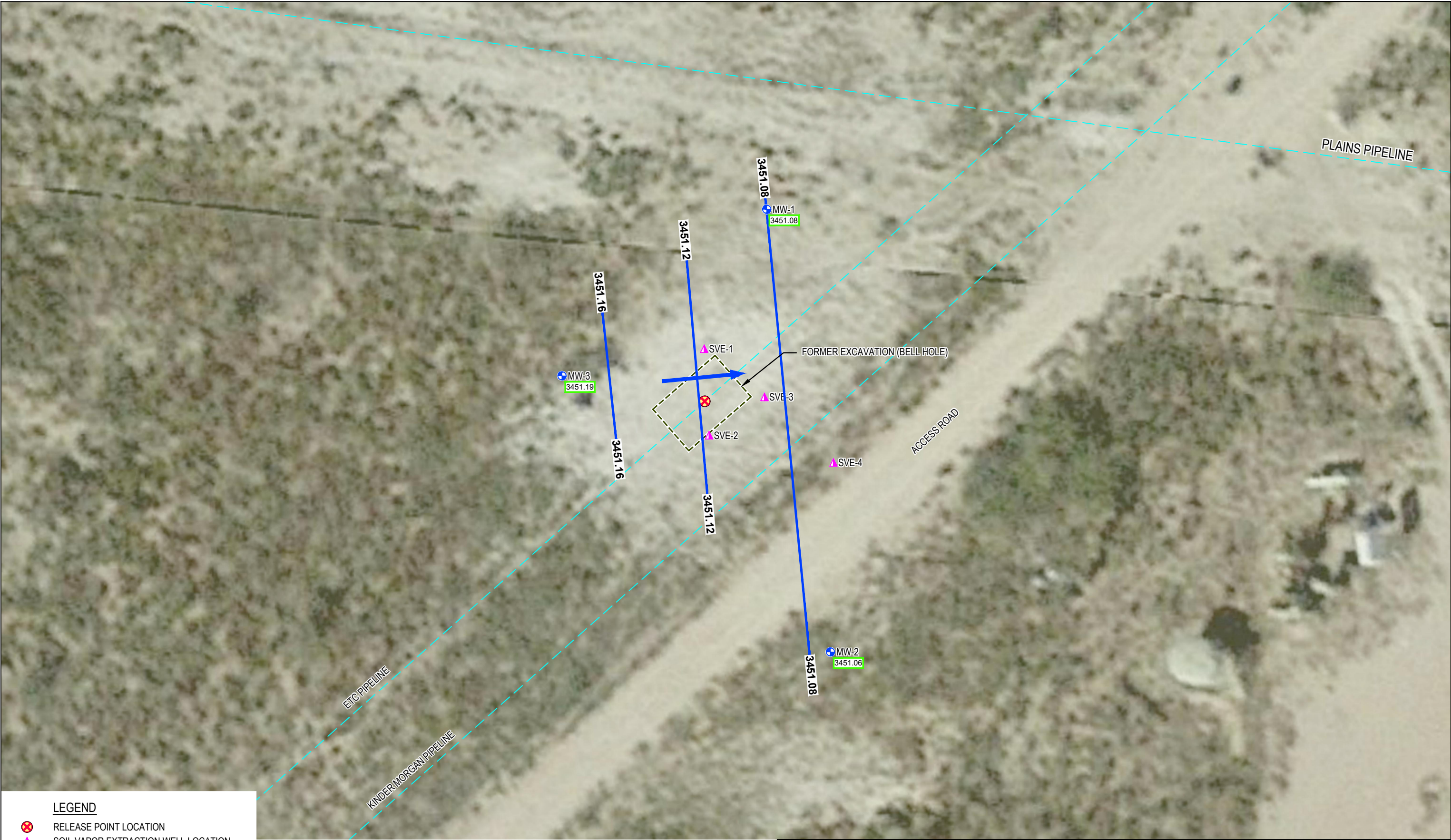
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LEA COUNTY, NEW MEXICO
0-6 PIPELINE RELEASE
1RP-5177

JUNE 2022

POTENTIOMETRIC SURFACE MAP

Project No. **12603935**
Date **August 2023**

FIGURE 5



LEGEND

- RELEASE POINT LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.04 FT)
- GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. THE SVE WELLS ARE NOT SCREENED IN THE SAME GROUNDWATER ZONE AS THE MONITORING WELLS AT THE SITE AND ARE THEREFORE NOT UTILIZED IN GENERATING THE POTENTIOMETRIC SURFACE.

01020

ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

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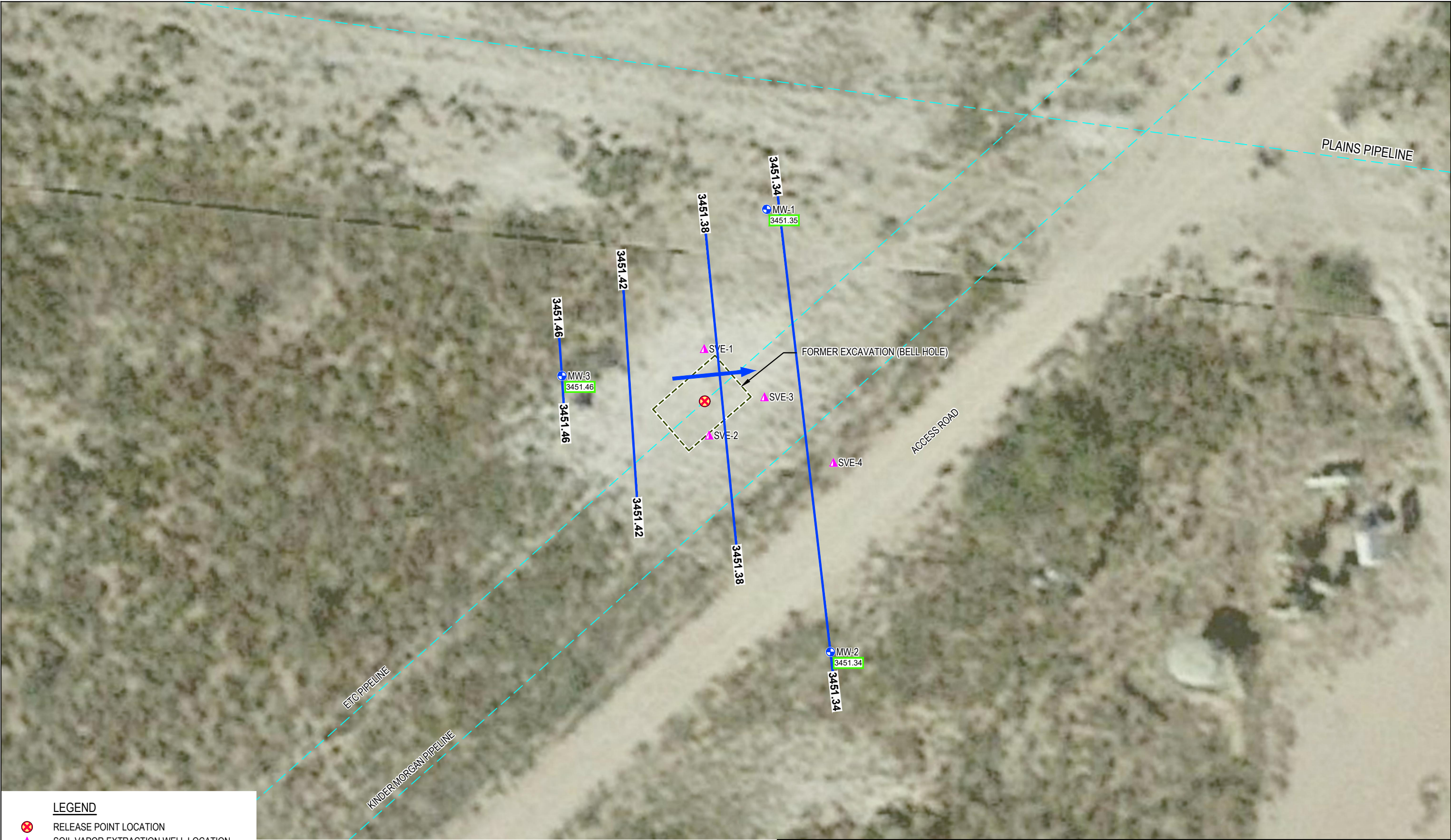


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LEA COUNTY, NEW MEXICO
0-6 PIPELINE RELEASE
1RP-5177

**AUGUST 2022
POTENTIOMETRIC SURFACE MAP**

Project No. 12603935
Date August 2023

FIGURE 6



LEGEND

- RELEASE POINT LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.04 FT)
- GROUNDWATER ELEVATION (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. THE SVE WELLS ARE NOT SCREENED IN THE SAME GROUNDWATER ZONE AS THE MONITORING WELLS AT THE SITE AND ARE THEREFORE NOT UTILIZED IN GENERATING THE POTENTIOMETRIC SURFACE.

0 10 20 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)



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1RP-5177

**NOVMEBER 2022
POTENTIOMETRIC SURFACE MAP**

Project No. 12603935
Date August 2023

FIGURE 7



LEGEND

- ⊗ RELEASE POINT LOCATION
- ▲ SOIL VAPOR EXTRACTION WELL LOCATION
- MONITORING WELL LOCATION
- FORMER EXCAVATION LIMITS (BELL HOLE)
- < ANALYTE WAS NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT

NOTES:

- GROUNDWATER CONCENTRATIONS PRESENTED IN MILLIGRAMS PER LITER (mg/L).
- HIGHLIGHTED CELLS EXCEED THE APPLICABLE NMWQCC REGULATORY LIMIT.
- SHADED CELLS INDICATE CONCENTRATION EXCEEDS ITS RESPECTIVE NMWQCC STANDARD.

0 10 20 ft

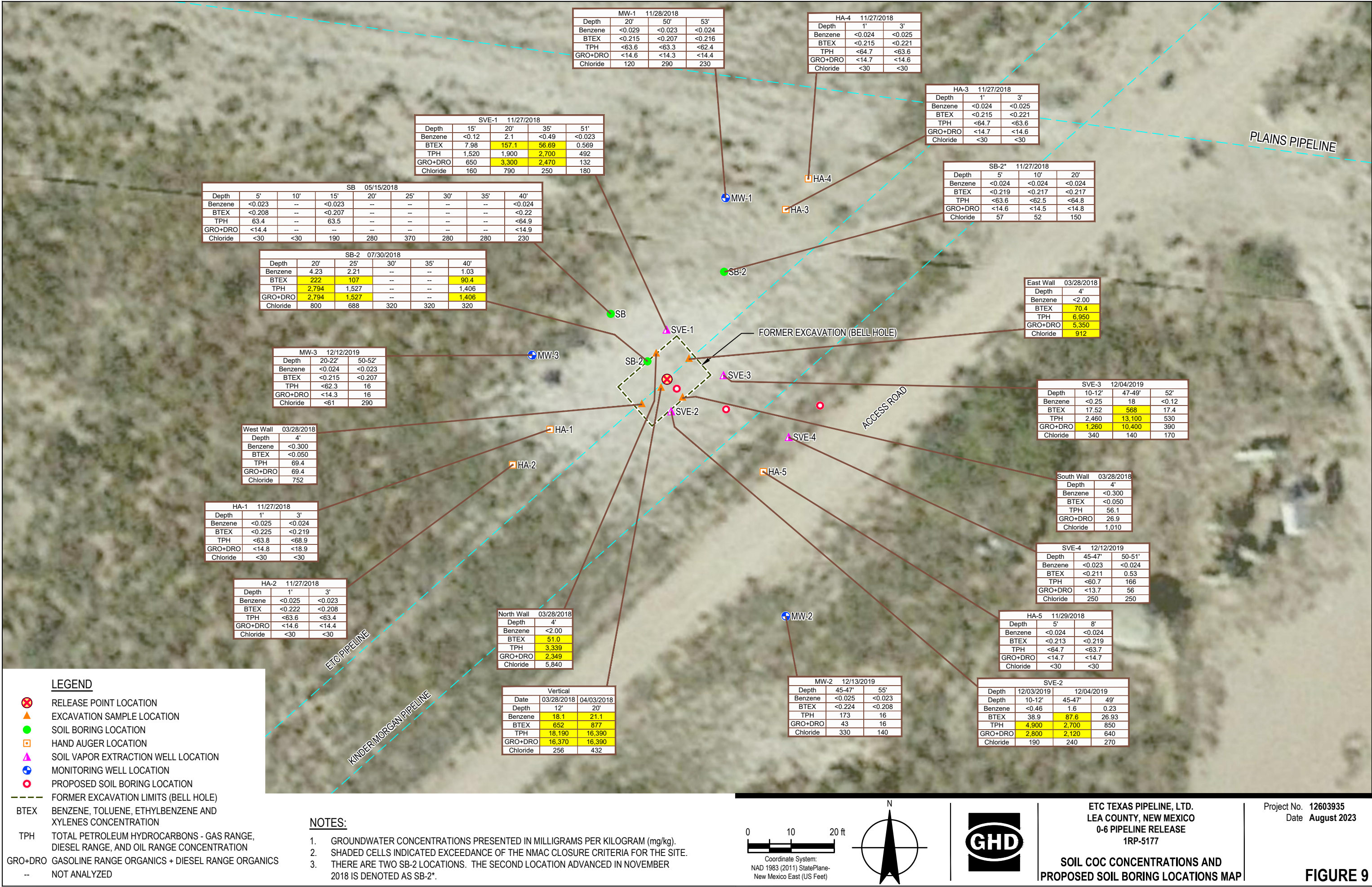
Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

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0-6 PIPELINE RELEASE
1RP-5177

**2022 BENZENE AND CHLORIDE
CONCENTRATIONS IN GROUNDWATER MAP**

Project No. 12603935
Date August 2023

FIGURE 8



Appendices

Appendix A

Clear Fork MDPE Summary Reports

**CLEAR FORK**
CONSULTING SERVICES

May 23, 2022

**Re: High Vacuum Mobile Dual-Phase Extraction (MDPE)
30-Day MDPE event with off-gas abatement at:
Energy Transfer Site
Monument, NM**

Clear Fork Consulting Services (Clear Fork) utilized a Mobile Dual Phase Extraction (MDPE) system with a patented process consisting of a modified Internal Combustion Engine (ICE) with a high vacuum knockout tank to extract and destroy fuel hydrocarbons at the referenced site.

On April 11, 2022, Clear Fork initiated recovery operations at the site utilizing monitor well SVE-1 as the extraction well during the thirty (30) day recovery period during 2022. This specific well was selected to maximize hydrocarbon recovery efforts during the event at the subject site. During the MDPE event the single engine operated at an average of 1,800 rpms. The engine computer utilizes built-in temperature and flow meters to measure and calculate vapor recovery within the subsurface. This recovery is measured and displayed in British thermal units (BTU) per hour. Using the measured BTU numbers during the event, it was determined that the MDPE system extracted and destroyed approximately 209.6 gallons of phase-separated hydrocarbons (PSH) extracted as vapor and 22.1 gallons of PSH extracted as liquid from the site from April 11 to May 11, 2022.

Two (2) influent air samples were collected from the extraction well during the recovery events for the purpose of laboratory analysis of the influent vapor stream. The Influent samples ranged from reported concentrations from a TPH/GRO (C6-C10) of 1,490 to 10,400 ppmv within SVE-1. The air samples are collected as required by some state regulatory agencies and can aid in determining the exact gases recovered within the sub-surface. However, it should be noted that the samples collected during this event only represented a snapshot of the vapor stream during the thirty (30) day event. The BTU calculation within the controller calculates the recovery continuously and is more representative of the actual recovery rates and totals. The controller collected a snapshot of the recovery every sixty (60) minutes of the event over the course of the entire event. The laboratory analytical reports are attached to this correspondence along with BTU, GRO and TPH recovery table calculations and formulas. The results of this event are discussed below and are shown on the attached figures and tables.

Event #1 – April 11 to May 11, 2022 – 719 hours – SVE-1

From April 11 to May 11, 2022, monitor well SVE-1 was connected to the recovery system to initiate recovery at the site. A one (1) inch stinger was installed within SVE-1 to aid in removing hydrocarbon vapors and liquids within the subsurface. During the recovery event, the stinger within SVE-1 was lowered to total depth of 54.50 feet below the top of casing. During Event#1 the single engine operated at an average of 1,800 rpms destroying 209.6

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gallons of phase-separated hydrocarbons (PSH) extracted as vapor. Recovered fluids were pumped into a 250-barrel steel holding tank while the vapors were consumed and burned by the internal combustion engine.

In conclusion, **231.70 gallons of PSH** (909.6 vapor / 22.1 liquid) were removed from the subsurface of the site while maintaining off-gas emissions at <1 lb. per event.

The following information is included as attachments to this report:

TABLES

- TABLE 1 – Cumulative Event Totals Summary
- TABLE 2 – Engine Controller Datapoint Summary
- TABLE 3 – Cumulative Groundwater Elevations
- TABLE 4 – Hydrocarbon Recovery Summary (Laboratory Calcs)
- TABLE 5 – Hydrocarbon Recovery Totals (Lab Calcs / Controller Calcs)
- TABLE 6 – Emission Calculation Worksheet

FIGURES

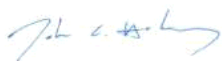
- TABLE 1A/1B – Engine 1 BTU per Hour / Vapor Hydrocarbon Recovery

LABORATORY ANALYTICAL REPORTS

We appreciate the opportunity to be of service to you on this project. If we can be of further assistance, please contact Clear Fork at (940) 626-8088.

Sincerely,

CFCS, LP



John Hanley
Project Manager

TABLES



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Table 1 - Cumulative Event Totals**Energy Transfer Site
Monument, TX****MDPE Event -April 11-May 11, 2022**

Duration (hours)	Date	Well Connections	LNAPL Recovery (gallons)	Vapor Recovery (gallons)	Total NAPL Recovery (gallons)	Average Well Flows (scfm)	Average Well Vacuum (In. H₂O)	Groundwater Recovery (gallons)
<u>Engine 1</u>	<u>2020</u>							
336.25	April 21-May 5, 2020	SVE-1, SVE-3	22.5	299.9	322.4	17.6	172.0	154.0
334.00	May 5-May 19, 2020	SVE-1, SVE-2, SVE-3	2.0	224.9	226.9	27.9	110.9	305.0
<u>Engine 2</u>								
336.25	April 21-May 5, 2020	SVE-1, SVE-3	22.5	297.1	319.6	19.2	172.4	154.0
<u>Engine</u>	<u>2021</u>							
2,188.00	April 19-November 5, 2021	SVE-1	128.0	986.4	1,114.4	26.8	158.4	599.0
<u>Engine</u>								
719.00	April 11-May 11, 2022	SVE-1	22.1	209.6	231.7	42.0	139.1	0.0
3,913.5		Totals	197.1	2,017.9	<u>2,215.0</u>	26.7	150.6	1,212.0

*- Frac Tank gauged prior to event to determine total LNAPL and total Groundwater recovered.

**- Frac Tank Dimensions (no strapping chart) = rectangle = 13.0' W / 9.36' H / 22.0' L - 20,025 US gallon capacity



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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/11/2022 13:56	58	2	0	0	8000	1788	0.0	0
	4/11/2022 14:55	29	2.067	47	144.13	78000	1789	0.6	0
	4/11/2022 15:55	26	2.067	49	148.43	82000	1803	1.3	0
	4/11/2022 16:55	23	2	50	154.89	84000	1791	2.0	0
	4/11/2022 17:55	20	2	52	157.04	84000	1825	2.7	0
	4/11/2022 18:55	21	1.933	49	163.49	70000	1796	3.2	0
	4/11/2022 19:55	19	1.933	51	167.79	64000	1801	3.8	0
	4/11/2022 20:55	17	1.933	51	169.94	58000	1795	4.2	0
	4/11/2022 21:54	19	1.933	48	174.25	54000	1794	4.7	0
	4/11/2022 22:54	20	1.867	46	178.55	50000	1795	5.1	0
	4/11/2022 23:54	18	1.933	47	180.7	42000	1801	5.4	0
	4/12/2022 0:54	22	1.867	44	182.85	38000	1807	5.7	0
	4/12/2022 1:54	15	1.867	49	182.85	38000	1804	6.0	0
	4/12/2022 2:54	19	1.867	44	187.15	34000	1789	6.3	0
	4/12/2022 3:54	19	1.867	44	187.15	34000	1786	6.6	0
	4/12/2022 4:53	13	1.867	51	182.85	30000	1805	6.8	0
	4/12/2022 5:53	9	1.867	52	185	28000	1804	7.1	0
	4/12/2022 6:53	20	1.867	43	185	28000	1809	7.3	0
	4/12/2022 7:53	19	1.867	44	182.85	34000	1795	7.6	0
	4/12/2022 8:53	16	1.867	47	187.15	42000	1815	7.9	0
	4/12/2022 9:53	17	1.8	48	180.7	52000	1796	8.3	0
	4/12/2022 10:53	13	1.8	53	180.7	60000	1802	8.8	0
	4/12/2022 11:52	13	1.867	54	180.25	64000	1794	9.3	0
	4/12/2022 12:52	13	1.867	54	181	54000	1791	9.8	0
	4/12/2022 13:52	13	1.867	54	180.25	50000	1822	10.2	0
	4/12/2022 14:51	13	1.867	52	180.25	42000	1795	10.5	0
	4/12/2022 15:51	13	1.867	52	180.25	34000	1808	10.8	0
	4/12/2022 16:51	13	1.867	50	180.25	34000	1798	11.1	0
	4/12/2022 17:51	12	1.867	49	180.25	28000	1796	11.3	0
	4/12/2022 18:51	12	1.867	48	180.25	28000	1798	11.5	0
	4/12/2022 19:50	13	1.8	48	181	26000	1803	11.7	0
	4/12/2022 20:50	13	1.8	48	180.25	26000	1791	12.0	0
	4/12/2022 21:50	13	1.8	48	180.25	24000	1783	12.1	0
	4/12/2022 22:50	13	1.8	48	180.25	16000	1802	12.3	0
	4/12/2022 23:50	13	1.8	47	180.25	16000	1801	12.4	0
	4/13/2022 0:49	13	1.8	46	182.85	14000	1799	12.5	0
	4/13/2022 1:49	13	1.8	45	180.25	18000	1802	12.7	0
	4/13/2022 2:49	13	1.8	45	180.25	32000	1816	12.9	0
	4/13/2022 3:49	13	1.8	46	180.25	46000	1790	13.3	0
	4/13/2022 4:49	13	1.867	47	174.2	52000	1791	13.7	0
	4/13/2022 5:48	13	1.867	43	174.2	58000	1800	14.2	0
	4/13/2022 6:48	13	1.867	48	174.2	62000	1779	14.7	0
	4/13/2022 7:48	13	1.867	48	174.2	64000	1810	15.2	0
	4/13/2022 8:48	13	1.8	49	174.2	66000	1808	15.8	0
	4/13/2022 9:48	13	1.867	49	174.2	70000	1810	16.3	0
	4/13/2022 10:48	13	1.8	44	174.2	64000	1791	16.8	0
	4/13/2022 11:47	13	1.867	42	174.2	60000	1808	17.3	0
	4/13/2022 12:47	13	1.867	45	174.2	56000	1796	17.8	0
	4/13/2022 13:47	13	1.867	44	174.2	48000	1808	18.2	0
	4/13/2022 14:46	12	1.867	47	174.2	40000	1804	18.5	0
	4/13/2022 15:46	11	1.867	51	174.25	34000	1818	18.8	0
	4/13/2022 16:45	10	1.867	50	174.25	26000	1814	19.0	0
	4/13/2022 17:45	11	1.867	49	174.2	26000	1781	19.2	0
	4/13/2022 18:44	11	1.867	48	174.2	22000	1811	19.4	0
	4/13/2022 19:44	11	1.867	48	174.2	16000	1826	19.5	0
	4/13/2022 20:43	11	1.8	47	182.85	16000	1794	19.6	0
	4/13/2022 21:43	13	1.8	47	180.25	16000	1791	19.8	0
	4/13/2022 22:43	12	1.8	46	180.25	16000	1822	19.9	0
	4/13/2022 23:42	11	1.8	46	180.25	12000	1795	20.0	0
	4/14/2022 0:42	11	1.8	45	174.2	12000	1808	20.1	0
	4/14/2022 1:41	10	1.8	48	174.2	16000	1798	20.2	0
	4/14/2022 2:41	11	1.8	40	174.2	26000	1796	20.4	0
	4/14/2022 3:40	11	1.867	40	174.2	26000	1798	20.7	0
	4/14/2022 4:40	12	1.867	40	171.1	32000	1803	20.9	0
	4/14/2022 5:39	11	1.867	42	171.1	38000	1791	21.2	0
	4/14/2022 6:39	12	1.867	41	171.1	40000	1783	21.5	0
	4/14/2022 7:38	12	1.867	48	171.1	44000	1802	21.9	0
	4/14/2022 8:38	13	1.867	39	171.1	46000	1801	22.3	0
	4/14/2022 9:38	11	1.867	48	171.1	46000	1799	22.7	0
	4/14/2022 10:37	10	1.867	48	171.1	48000	1802	23.0	0
	4/14/2022 11:37	11	1.867	54	171.1	48000	1816	23.4	0
	4/14/2022 12:37	11	1.8	54	171.1	50000	1790	23.8	0
	4/14/2022 13:36	11	1.8	54	171.1	70000	1791	24.4	0
	4/14/2022 14:36	11	1.8	52	170.22	64000	1800	24.9	0



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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/14/2022 15:36	11	1.8	52	170.22	60000	1779	25.4	0
	4/14/2022 16:36	12	1.8	50	170.22	56000	1810	25.9	0
	4/14/2022 17:35	11	1.8	49	169.94	48000	1808	26.3	0
	4/14/2022 18:35	11	1.8	48	169.94	40000	1810	26.6	0
	4/14/2022 19:34	10	1.8	48	169.94	34000	1791	26.9	0
	4/14/2022 20:34	11	1.8	48	169.94	26000	1808	27.1	0
	4/14/2022 21:34	11	1.867	48	169.94	26000	1796	27.3	0
	4/14/2022 22:33	12	1.867	48	169.94	22000	1808	27.5	0
	4/14/2022 23:32	11	1.867	47	169.94	16000	1804	27.6	0
	4/15/2022 0:31	12	1.867	46	169.94	16000	1818	27.7	0
	4/15/2022 1:30	12	1.8	45	169.94	16000	1814	27.9	0
	4/15/2022 2:29	12	1.867	45	169.94	30000	1781	28.1	0
	4/15/2022 3:29	11	1.8	46	169.94	28000	1811	28.3	0
	4/15/2022 4:29	10	1.867	47	169.94	28000	1826	28.6	0
	4/15/2022 5:29	13	1.867	43	169.94	26000	1808	28.8	0
	4/15/2022 6:28	11	1.867	48	169.94	24000	1815	29.0	0
	4/15/2022 7:28	11	1.867	48	169.94	22000	1804	29.1	0
	4/15/2022 8:29	11	1.867	49	169.94	28000	1793	29.4	0
	4/15/2022 9:28	11	1.867	49	169.94	36000	1814	29.7	0
	4/15/2022 10:28	12	1.867	44	169.94	48000	1809	30.0	0
	4/15/2022 11:27	11	1.867	42	169.94	58000	1808	30.5	0
	4/15/2022 12:27	11	1.867	45	169.94	68000	1799	31.1	0
	4/15/2022 13:27	10	1.8	44	169.94	70000	1782	31.6	0
	4/15/2022 14:27	11	1.8	47	169.94	67000	1779	32.2	0
	4/15/2022 15:26	11	1.8	51	169.94	64000	1803	32.7	0
	4/15/2022 16:26	12	1.8	50	169.94	50000	1791	33.1	0
	4/15/2022 17:26	11	1.8	49	169.94	42000	1810	33.5	0
	4/15/2022 18:25	12	1.8	48	169.94	41000	1808	33.8	0
	4/15/2022 19:25	12	1.8	48	169.94	40000	1810	34.1	0
	4/15/2022 20:25	12	1.867	47	169.94	38000	1791	34.4	0
	4/15/2022 21:24	11	1.8	50	169.94	36000	1808	34.7	0
	4/15/2022 22:24	10	1.8	51	169.94	34000	1796	35.0	0
	4/15/2022 23:24	13	1.8	46	169.94	30000	1808	35.2	0
	4/16/2022 0:23	11	1.8	45	169.94	30000	1804	35.5	0
	4/16/2022 1:23	11	1.867	48	169.94	30000	1818	35.7	0
	4/16/2022 2:23	11	1.8	40	169.94	30000	1814	36.0	0
	4/16/2022 3:23	11	1.8	45	169.94	28000	1781	36.2	0
	4/16/2022 4:23	12	1.8	40	169.94	28000	1811	36.4	0
	4/16/2022 5:23	11	1.8	42	169.94	28000	1826	36.7	0
	4/16/2022 6:22	11	1.867	41	169.94	29000	1808	36.9	0
	4/16/2022 7:22	10	1.933	48	169.94	33000	1815	37.2	0
	4/16/2022 8:20	11	1.867	39	169.94	41000	1804	37.5	0
	4/16/2022 9:20	11	1.867	48	169.94	48000	1793	37.9	0
	4/16/2022 10:19	12	1.8	48	169.94	54000	1814	38.3	0
	4/16/2022 12:18	14	1.933	47	169.94	56000	1809	38.8	0
	4/16/2022 13:17	13	1.867	52	169.94	72000	1808	39.4	0
	4/16/2022 14:16	12	1.867	55	169.94	74000	1799	40.0	0
	4/16/2022 15:16	12	1.8	54	169.94	68000	1782	40.5	0
	4/16/2022 16:15	11	1.8	54	169.94	68000	1779	41.1	0
	4/16/2022 17:14	10	1.867	54	169.94	64000	1803	41.6	0
	4/16/2022 18:14	11	1.867	52	169.94	54000	1791	42.0	0
	4/16/2022 19:14	11	1.8	52	169.94	50000	1817	42.4	0
	4/16/2022 20:14	11	1.8	50	169.94	42000	1788	42.8	0
	4/16/2022 21:13	11	1.8	49	169.94	34000	1797	43.0	0
	4/16/2022 22:13	11	1.8	48	169.94	34000	1788	43.3	0
	4/16/2022 23:13	12	1.8	48	169.94	28000	1805	43.6	0
	4/17/2022 0:13	11	1.8	48	169.94	28000	1808	43.8	0
	4/17/2022 1:13	11	1.8	48	169.94	26000	1825	44.0	0
	4/17/2022 2:13	10	1.8	48	169.94	26000	1790	44.2	0
	4/17/2022 3:13	11	1.8	47	169.94	24000	1809	44.4	0
	4/17/2022 4:12	11	1.8	46	169.94	16000	1819	44.5	0
	4/17/2022 5:12	12	1.8	45	169.94	16000	1794	44.7	0
	4/17/2022 6:12	11	1.8	45	169.94	14000	1791	44.8	0
	4/17/2022 7:12	12	1.8	46	169.94	18000	1822	44.9	0
	4/17/2022 8:12	12	1.8	47	169.94	32000	1795	45.2	0
	4/17/2022 9:12	18	1.8	43	169.94	46000	1808	45.6	0
	4/17/2022 10:12	15	1.8	48	169.94	52000	1798	46.0	0
	4/17/2022 11:11	15	1.8	48	169.94	58000	1796	46.4	0
	4/17/2022 12:11	14	1.8	49	169.94	62000	1798	47.0	0
	4/17/2022 13:11	14	1.8	49	169.94	64000	1803	47.5	0
	4/17/2022 14:11	20	1.8	44	169.94	66000	1791	48.0	0
	4/17/2022 15:11	22	1.8	42	169.94	70000	1783	48.6	0
	4/17/2022 16:11	18	1.8	45	169.94	64000	1802	49.1	0
	4/17/2022 17:11	20	1.8	44	169.94	60000	1801	49.6	0



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/17/2022 18:10	16	1.8	47	169.94	56000	1799	50.0	0
	4/17/2022 19:10	11	1.8	51	169.94	48000	1802	50.4	0
	4/17/2022 20:10	11	1.8	50	169.94	40000	1816	50.8	0
	4/17/2022 21:10	10	1.8	49	169.94	34000	1790	51.0	0
	4/17/2022 22:10	11	1.8	48	169.94	26000	1791	51.2	0
	4/17/2022 23:10	10	1.8	48	169.94	26000	1800	51.5	0
	4/18/2022 0:10	10	1.8	47	169.94	22000	1779	51.6	0
	4/18/2022 1:09	10	1.8	47	169.94	16000	1810	51.8	0
	4/18/2022 2:09	11	1.8	46	169.94	16000	1808	51.9	0
	4/18/2022 3:09	10	1.8	46	172.1	16000	1810	52.0	0
	4/18/2022 4:09	12	1.8	45	169.94	16000	1791	52.2	0
	4/18/2022 5:09	8	1.8	48	169.94	12000	1808	52.3	0
	4/18/2022 6:09	15	1.8	40	169.94	12000	1796	52.3	0
	4/18/2022 7:09	18	1.8	40	169.94	16000	1808	52.5	0
	4/18/2022 8:08	19	1.8	40	169.94	26000	1804	52.7	0
	4/18/2022 9:08	18	1.8	42	172.1	26000	1818	52.9	0
	4/18/2022 10:08	18	1.867	41	169.94	32000	1814	53.2	0
	4/18/2022 11:08	12	1.8	48	169.94	38000	1781	53.5	0
	4/18/2022 12:08	23	1.867	39	169.94	40000	1811	53.8	0
	4/18/2022 13:08	14	1.867	48	169.94	44000	1826	54.2	0
	4/18/2022 14:08	14	1.867	48	169.94	46000	1808	54.5	0
	4/18/2022 15:07	14	1.867	48	172.1	46000	1815	54.9	0
	4/18/2022 16:07	14	1.867	48	169.94	48000	1804	55.3	0
	4/18/2022 17:07	14	1.867	48	169.94	48000	1793	55.7	0
	4/18/2022 18:07	14	1.867	48	169.94	40000	1814	56.0	0
	4/18/2022 19:07	14	1.867	47	169.94	38000	1809	56.3	0
	4/18/2022 20:07	13	1.8	47	172.1	34000	1808	56.6	0
	4/18/2022 21:07	13	1.8	46	169.94	32000	1799	56.9	0
	4/18/2022 22:06	13	1.8	46	169.94	26000	1782	57.1	0
	4/18/2022 23:06	10	1.8	48	169.94	24000	1779	57.3	0
	4/19/2022 0:06	13	1.8	46	169.94	26000	1803	57.5	0
	4/19/2022 1:06	10	1.8	48	169.94	26000	1791	57.7	0
	4/19/2022 2:06	10	1.8	48	169.94	26000	1793	57.9	0
	4/19/2022 3:06	13	1.8	45	169.94	26000	1787	58.1	0
	4/19/2022 4:06	12	1.8	46	169.94	26000	1810	58.3	0
	4/19/2022 5:05	18	1.8	41	169.94	24000	1798	58.5	0
	4/19/2022 6:05	19	1.8	39	172.1	24000	1782	58.7	0
	4/19/2022 7:05	21	1.8	37	169.94	24000	1784	58.9	0
	4/19/2022 8:05	12	1.8	46	169.94	26000	1811	59.1	0
	4/19/2022 9:05	12	1.8	47	172.1	32000	1787	59.4	0
	4/19/2022 10:05	13	1.867	48	169.94	38000	1784	59.7	0
	4/19/2022 11:05	14	1.867	48	169.94	42000	1824	60.0	0
	4/19/2022 12:04	13	1.867	49	172.1	44000	1817	60.4	0
	4/19/2022 13:04	14	1.867	49	169.94	50000	1779	60.8	0
	4/19/2022 14:04	14	1.867	50	169.94	56000	1804	61.2	0
	4/19/2022 15:04	14	1.867	50	169.94	56000	1809	61.7	0
	4/19/2022 16:04	15	1.867	49	169.94	54000	1801	62.1	0
	4/19/2022 17:04	15	1.867	49	169.94	54000	1802	62.6	0
	4/19/2022 18:04	14	1.867	49	169.94	50000	1800	63.0	0
	4/19/2022 19:03	15	1.867	48	169.94	44000	1797	63.3	0
	4/19/2022 20:03	14	1.867	48	169.94	40000	1807	63.7	0
	4/19/2022 21:03	14	1.867	47	169.94	38000	1803	64.0	0
	4/19/2022 22:03	14	1.867	47	169.94	34000	1827	64.3	0
	4/19/2022 23:03	13	1.867	47	169.94	30000	1786	64.5	0
	4/20/2022 0:03	14	1.867	46	169.94	30000	1809	64.7	0
	4/20/2022 1:03	12	1.867	47	172.1	30000	1811	65.0	0
	4/20/2022 2:03	13	1.867	47	169.94	30000	1808	65.2	0
	4/20/2022 3:02	13	1.867	46	172.1	28000	1788	65.5	0
	4/20/2022 4:02	14	1.867	46	169.94	28000	1820	65.7	0
	4/20/2022 5:02	13	1.867	46	169.94	28000	1794	65.9	0
	4/20/2022 6:02	13	1.867	47	169.94	24000	1785	66.1	0
	4/20/2022 7:02	12	1.867	47	169.94	26000	1819	66.3	0
	4/20/2022 8:02	12	1.867	47	169.94	28000	1815	66.5	0
	4/20/2022 9:02	12	1.867	49	169.94	38000	1799	66.9	0
	4/20/2022 10:01	12	1.8	51	169.94	50000	1801	67.3	0
	4/20/2022 11:01	12	1.8	52	169.94	60000	1790	67.7	0
	4/20/2022 12:01	12	1.8	52	169.94	70000	1812	68.3	0
	4/20/2022 13:01	12	1.8	52	169.94	72000	1795	68.9	0
	4/20/2022 14:01	13	1.8	52	169.94	72000	1798	69.5	0
	4/20/2022 15:01	13	1.8	52	169.94	72000	1817	70.1	0
	4/20/2022 16:01	13	1.8	52	169.94	72000	1809	70.7	0
	4/20/2022 17:00	13	1.8	51	169.94	66000	1794	71.2	0
	4/20/2022 18:00	12	1.8	51	169.94	58000	1808	71.7	0
	4/20/2022 19:00	13	1.867	50	169.94	54000	1793	72.1	0



CLEAR FORK
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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/20/2022 20:00	13	1.867	49	169.94	46000	1816	72.5	0
	4/20/2022 21:00	13	1.867	49	169.94	40000	1784	72.8	0
	4/20/2022 22:00	12	1.867	49	169.94	38000	1809	73.1	0
	4/20/2022 23:00	12	1.8	48	169.94	34000	1820	73.4	0
	4/20/2022 23:59	13	1.867	47	169.94	32000	1805	73.7	0
	4/21/2022 0:59	13	1.8	46	169.94	26000	1792	73.9	0
	4/21/2022 1:59	18	1.867	41	169.94	30000	1784	74.1	0
	4/21/2022 2:59	19	1.867	41	169.94	28000	1808	74.3	0
	4/21/2022 3:59	10	1.867	49	169.94	28000	1810	74.6	0
	4/21/2022 4:59	11	1.867	49	169.94	26000	1804	74.8	0
	4/21/2022 5:59	8	1.867	50	169.94	24000	1789	75.0	0
	4/21/2022 6:58	9	1.867	50	169.94	22000	1796	75.1	0
	4/21/2022 7:58	12	1.867	48	169.94	28000	1790	75.4	0
	4/21/2022 8:58	16	1.867	45	169.94	36000	1794	75.7	0
	4/21/2022 9:58	11	1.867	51	169.94	48000	1786	76.1	0
	4/21/2022 10:58	11	1.8	52	169.94	58000	1799	76.5	0
	4/21/2022 11:58	12	1.8	52	169.94	68000	1807	77.1	0
	4/21/2022 12:58	12	1.8	52	169.94	70000	1796	77.7	0
	4/21/2022 13:57	13	1.8	52	169.94	70000	1816	78.2	0
	4/21/2022 14:57	13	1.8	52	169.94	68000	1818	78.8	0
	4/21/2022 15:57	13	1.8	51	169.94	66000	1815	79.3	0
	4/21/2022 16:57	12	1.8	51	169.94	58000	1780	79.8	0
	4/21/2022 17:57	14	1.867	50	169.94	56000	1809	80.2	0
	4/21/2022 18:57	12	1.867	51	169.94	52000	1810	80.7	0
	4/21/2022 19:56	13	1.867	49	169.94	44000	1780	81.0	0
	4/21/2022 20:56	12	1.867	50	169.94	40000	1814	81.3	0
	4/21/2022 21:56	12	1.867	49	169.94	38000	1817	81.7	0
	4/21/2022 22:56	12	1.867	49	169.94	32000	1784	81.9	0
	4/21/2022 23:56	12	1.867	49	169.94	32000	1800	82.2	0
	4/22/2022 0:56	12	1.867	49	169.94	32000	1796	82.4	0
	4/22/2022 1:56	11	1.867	49	172.1	32000	1797	82.7	0
	4/22/2022 2:56	11	1.867	49	169.94	30000	1808	82.9	0
	4/22/2022 3:55	13	1.867	48	169.94	32000	1812	83.2	0
	4/22/2022 4:55	13	1.867	48	169.94	28000	1803	83.4	0
	4/22/2022 5:55	12	1.867	48	169.94	28000	1784	83.7	0
	4/22/2022 6:55	12	1.867	48	169.94	28000	1817	83.9	0
	4/22/2022 7:55	12	1.867	49	169.94	32000	1807	84.1	0
	4/22/2022 8:55	12	1.867	49	172.1	36000	1815	84.4	0
	4/22/2022 9:55	12	1.867	50	169.94	42000	1807	84.8	0
	4/22/2022 10:54	12	1.867	51	169.94	48000	1790	85.2	0
	4/22/2022 11:54	12	1.867	51	169.94	52000	1815	85.6	0
	4/22/2022 12:54	13	1.867	51	169.94	58000	1810	86.1	0
	4/22/2022 13:54	13	1.867	51	169.94	62000	1787	86.6	0
	4/22/2022 14:54	13	1.867	51	169.94	62000	1810	87.1	0
	4/22/2022 15:54	13	1.867	51	169.94	64000	1813	87.6	0
	4/22/2022 16:54	14	1.867	50	169.94	60000	1815	88.1	0
	4/22/2022 17:53	13	1.867	51	169.94	56000	1796	88.5	0
	4/22/2022 18:53	14	1.867	50	169.94	52000	1808	89.0	0
	4/22/2022 19:53	14	1.867	49	169.94	46000	1796	89.3	0
	4/22/2022 20:53	14	1.867	49	169.94	40000	1812	89.7	0
	4/22/2022 21:53	13	1.867	49	169.94	42000	1791	90.0	0
	4/22/2022 22:53	12	1.867	49	169.94	38000	1810	90.3	0
	4/22/2022 23:53	13	1.867	49	169.94	38000	1787	90.6	0
	4/23/2022 0:52	13	1.867	48	169.94	36000	1800	90.9	0
	4/23/2022 1:52	13	1.867	48	169.94	36000	1795	91.2	0
	4/23/2022 2:52	13	1.867	48	169.94	38000	1799	91.5	0
	4/23/2022 3:52	13	1.867	47	169.94	30000	1820	91.7	0
	4/23/2022 4:52	14	1.867	46	169.94	26000	1808	92.0	0
	4/23/2022 5:52	12	1.867	46	169.94	24000	1784	92.2	0
	4/23/2022 6:52	12	1.8	46	169.94	24000	1797	92.3	0
	4/23/2022 7:51	10	1.867	48	169.94	26000	1786	92.6	0
	4/23/2022 8:51	11	1.867	49	169.94	34000	1789	92.8	0
	4/23/2022 9:51	12	1.867	50	169.94	46000	1812	93.2	0
	4/23/2022 10:51	12	1.867	51	169.94	54000	1800	93.7	0
	4/23/2022 11:51	13	1.867	51	167.79	58000	1807	94.1	0
	4/23/2022 12:51	12	1.867	51	169.94	64000	1787	94.6	0
	4/23/2022 13:51	13	1.867	51	167.79	64000	1795	95.2	0
	4/23/2022 14:50	12	1.8	51	169.94	60000	1793	95.7	0
	4/23/2022 15:50	12	1.8	51	167.79	60000	1794	96.1	0
	4/23/2022 16:50	13	1.8	50	167.79	56000	1818	96.6	0
	4/23/2022 17:50	13	1.867	50	167.79	50000	1794	97.0	0
	4/23/2022 18:50	12	1.867	50	169.94	46000	1804	97.4	0
	4/23/2022 19:50	13	1.867	49	169.94	44000	1787	97.7	0
	4/23/2022 20:50	13	1.867	48	169.94	36000	1799	98.0	0



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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/23/2022 21:49	12	1.867	48	169.94	32000	1820	98.3	0
	4/23/2022 22:49	12	1.867	47	169.94	32000	1792	98.5	0
	4/23/2022 23:49	12	1.8	47	169.94	30000	1795	98.8	0
	4/24/2022 0:49	12	1.8	47	169.94	28000	1806	99.0	0
	4/24/2022 1:49	13	1.8	46	169.94	24000	1820	99.2	0
	4/24/2022 2:49	13	1.8	45	169.94	24000	1790	99.4	0
	4/24/2022 3:49	12	1.8	46	169.94	24000	1786	99.6	0
	4/24/2022 4:48	13	1.8	45	169.94	24000	1810	99.8	0
	4/24/2022 5:48	13	1.8	45	169.94	18000	1799	99.9	0
	4/24/2022 6:48	11	1.8	46	169.94	18000	1815	100.1	0
	4/24/2022 7:48	11	1.867	47	172.1	24000	1815	100.3	0
	4/24/2022 8:48	11	1.8	48	169.94	28000	1791	100.5	0
	4/24/2022 9:48	11	1.8	49	169.94	36000	1816	100.8	0
	4/24/2022 10:48	11	1.867	50	169.94	38000	1807	101.1	0
	4/24/2022 11:47	12	1.867	50	167.79	44000	1797	101.5	0
	4/24/2022 12:47	12	1.867	50	163.49	46000	1793	101.8	0
	4/24/2022 13:47	13	1.867	50	161.34	50000	1810	102.3	0
	4/24/2022 14:47	14	1.867	49	161.34	54000	1790	102.7	0
	4/24/2022 15:47	14	1.867	49	161.34	54000	1810	103.1	0
	4/24/2022 16:47	13	1.867	49	163.49	50000	1800	103.5	0
	4/24/2022 17:47	13	1.867	49	161.34	46000	1783	103.9	0
	4/24/2022 18:46	14	1.867	48	161.34	44000	1797	104.3	0
	4/24/2022 19:46	14	1.867	47	161.34	36000	1803	104.6	0
	4/24/2022 20:46	13	1.867	47	165.64	30000	1810	104.8	0
	4/24/2022 21:46	10	1.867	48	169.94	24000	1789	105.0	0
	4/24/2022 22:46	11	1.867	47	169.94	24000	1782	105.2	0
	4/24/2022 23:46	11	1.867	47	169.94	22000	1789	105.4	0
	4/25/2022 0:46	12	1.8	46	169.94	20000	1791	105.5	0
	4/25/2022 1:45	10	1.8	46	172.1	16000	1799	105.7	0
	4/25/2022 2:45	11	1.8	46	167.79	16000	1814	105.8	0
	4/25/2022 3:45	10	1.8	46	172.1	14000	1806	105.9	0
	4/25/2022 4:45	10	1.8	46	167.79	12000	1795	106.0	0
	4/25/2022 5:45	11	1.8	46	169.94	14000	1814	106.1	0
	4/25/2022 6:45	11	1.8	46	169.94	14000	1804	106.2	0
	4/25/2022 7:45	10	1.8	47	169.94	14000	1808	106.3	0
	4/25/2022 8:44	9	1.8	48	169.94	16000	1800	106.5	0
	4/25/2022 9:44	10	1.8	48	169.94	22000	1807	106.7	0
	4/25/2022 10:44	11	1.867	48	167.79	24000	1786	106.9	0
	4/25/2022 11:44	12	1.867	48	165.64	30000	1814	107.1	0
	4/25/2022 12:44	12	1.867	48	161.34	30000	1788	107.3	0
	4/25/2022 13:44	13	1.867	48	161.34	32000	1815	107.6	0
	4/25/2022 14:44	12	1.867	48	159.19	34000	1794	107.9	0
	4/25/2022 15:43	13	1.867	47	157.04	36000	1812	108.2	0
	4/25/2022 16:43	13	1.867	47	157.04	30000	1797	108.4	0
	4/25/2022 17:43	12	1.867	47	161.34	28000	1789	108.6	0
	4/25/2022 18:43	13	1.867	46	159.19	22000	1798	108.8	0
	4/25/2022 19:43	12	1.867	46	161.34	22000	1790	109.0	0
	4/25/2022 20:43	11	1.8	46	161.34	18000	1796	109.1	0
	4/25/2022 21:43	12	1.8	45	163.49	14000	1794	109.3	0
	4/25/2022 22:42	11	1.8	45	165.64	12000	1778	109.4	0
	4/25/2022 23:42	11	1.8	45	165.64	10000	1789	109.4	0
	4/26/2022 0:42	10	1.8	45	169.94	8000	1822	109.5	0
	4/26/2022 1:42	10	1.8	45	169.94	4000	1819	109.5	0
	4/26/2022 2:42	10	1.8	44	169.94	0	1815	109.5	0
	4/26/2022 3:42	10	1.8	44	169.94	0	1793	109.5	0
	4/26/2022 4:42	11	1.8	43	169.94	0	1803	109.5	0
	4/26/2022 5:41	11	1.8	43	169.94	0	1805	109.5	0
	4/26/2022 6:41	9	1.8	44	169.94	0	1801	109.5	0
	4/26/2022 7:41	8	1.867	46	169.94	0	1805	109.5	0
	4/26/2022 8:41	8	1.8	47	169.94	12000	1804	109.6	0
	4/26/2022 9:41	9	1.8	48	169.94	22000	1807	109.8	0
	4/26/2022 10:41	10	1.867	49	165.64	24000	1790	110.0	0
	4/26/2022 11:41	12	1.8	48	161.34	32000	1797	110.3	0
	4/26/2022 12:40	13	1.867	48	159.19	36000	1814	110.6	0
	4/26/2022 13:40	13	1.867	48	157.04	38000	1793	110.9	0
	4/26/2022 14:40	13	1.867	48	152.74	36000	1820	111.2	0
	4/26/2022 15:40	14	1.867	47	152.74	38000	1808	111.5	0
	4/26/2022 16:40	14	1.867	47	152.74	36000	1790	111.8	0
	4/26/2022 17:40	14	1.867	46	152.74	28000	1791	112.0	0
	4/26/2022 18:40	14	1.867	46	152.74	26000	1800	112.2	0
	4/26/2022 19:39	14	1.867	46	154.89	22000	1783	112.4	0



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CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/26/2022 20:39	13	1.867	45	154.89	22000	1802	112.6	0
	4/26/2022 21:39	12	1.8	45	152.74	22000	1786	112.7	0
	4/26/2022 22:39	13	1.867	44	154.89	16000	1818	112.9	0
	4/26/2022 23:39	12	1.8	45	154.89	18000	1803	113.0	0
	4/27/2022 0:39	13	1.8	45	154.89	16000	1803	113.1	0
	4/27/2022 1:39	12	1.8	45	154.89	20000	1789	113.3	0
	4/27/2022 2:38	14	1.867	44	154.89	22000	1785	113.5	0
	4/27/2022 3:38	14	1.867	44	152.74	22000	1782	113.7	0
	4/27/2022 4:38	13	1.867	45	152.74	20000	1820	113.8	0
	4/27/2022 5:38	14	1.867	44	150.58	20000	1809	114.0	0
	4/27/2022 6:38	14	1.867	44	150.58	20000	1791	114.2	0
	4/27/2022 7:38	14	1.867	44	152.74	22000	1814	114.3	0
	4/27/2022 8:38	14	1.867	44	150.58	22000	1807	114.5	0
	4/27/2022 9:37	14	1.867	45	148.43	28000	1814	114.7	0
	4/27/2022 10:37	16	1.867	45	144.13	32000	1795	115.0	0
	4/27/2022 11:37	17	1.867	44	139.83	42000	1801	115.3	0
	4/27/2022 12:37	18	1.867	44	137.68	42000	1784	115.7	0
	4/27/2022 13:37	19	1.867	44	137.68	46000	1793	116.1	0
	4/27/2022 14:37	18	1.867	45	135.53	50000	1782	116.5	0
	4/27/2022 15:37	19	1.867	44	135.53	50000	1791	116.9	0
	4/27/2022 16:36	18	1.867	44	133.37	42000	1792	117.2	0
	4/27/2022 17:36	19	1.867	43	135.53	42000	1799	117.6	0
	4/27/2022 18:36	19	1.867	43	133.37	40000	1813	117.9	0
	4/27/2022 19:36	19	1.867	42	135.53	32000	1813	118.1	0
	4/27/2022 20:36	19	1.867	42	137.68	30000	1795	118.4	0
	4/27/2022 21:36	18	1.867	42	137.68	26000	1799	118.6	0
	4/27/2022 22:36	19	1.867	41	137.68	26000	1802	118.8	0
	4/27/2022 23:35	17	1.867	42	137.68	24000	1801	119.0	0
	4/28/2022 0:35	17	1.867	42	137.68	22000	1807	119.2	0
	4/28/2022 1:35	17	1.867	42	137.68	22000	1797	119.4	0
	4/28/2022 2:35	18	1.867	41	139.83	22000	1806	119.5	0
	4/28/2022 3:35	17	1.867	41	141.98	22000	1802	119.7	0
	4/28/2022 4:35	17	1.867	41	137.68	20000	1792	119.9	0
	4/28/2022 5:35	17	1.867	41	139.83	22000	1787	120.1	0
	4/28/2022 6:34	17	1.867	41	137.68	20000	1783	120.2	0
	4/28/2022 7:34	16	1.867	43	144.13	22000	1813	120.4	0
	4/28/2022 8:34	16	1.867	44	141.98	28000	1796	120.6	0
	4/28/2022 9:34	18	1.867	44	135.53	38000	1816	120.9	0
	4/28/2022 10:34	18	1.867	44	135.53	50000	1788	121.3	0
	4/28/2022 11:34	19	1.8	44	133.37	60000	1797	121.8	0
	4/28/2022 12:34	20	1.8	44	131.22	64000	1812	122.3	0
	4/28/2022 13:33	20	1.8	44	131.22	66000	1804	122.9	0
	4/28/2022 14:33	20	1.8	44	133.37	66000	1806	123.4	0
	4/28/2022 15:33	21	1.8	43	131.22	64000	1808	123.9	0
	4/28/2022 16:33	20	1.867	43	131.22	56000	1793	124.4	0
	4/28/2022 17:33	20	1.867	43	131.22	56000	1797	124.9	0
	4/28/2022 18:33	20	1.867	43	129.07	54000	1800	125.3	0
	4/28/2022 19:33	21	1.867	42	131.22	46000	1813	125.7	0
	4/28/2022 20:32	19	1.867	42	131.22	40000	1803	126.0	0
	4/28/2022 21:32	20	1.867	41	131.22	36000	1798	126.3	0
	4/28/2022 22:32	19	1.867	41	129.07	34000	1810	126.6	0
	4/28/2022 23:32	20	1.867	40	129.07	30000	1797	126.8	0
	4/29/2022 0:32	20	1.867	40	129.07	28000	1795	127.0	0
	4/29/2022 1:32	19	1.867	40	129.07	26000	1791	127.2	0
	4/29/2022 2:32	20	1.867	40	129.07	26000	1811	127.5	0
	4/29/2022 3:31	20	1.867	39	129.07	26000	1782	127.7	0
	4/29/2022 4:31	21	1.867	39	126.92	26000	1797	127.9	0
	4/29/2022 5:31	19	1.867	39	129.07	20000	1796	128.0	0
	4/29/2022 6:31	19	1.867	39	131.22	22000	1810	128.2	0
	4/29/2022 7:31	17	1.867	41	133.37	22000	1785	128.4	0
	4/29/2022 8:31	19	1.867	42	126.92	34000	1784	128.7	0
	4/29/2022 9:31	21	1.867	41	124.77	46000	1791	129.0	0
	4/29/2022 10:30	21	1.8	42	120.47	52000	1789	129.5	0
	4/29/2022 11:30	22	1.8	42	120.47	56000	1805	129.9	0
	4/29/2022 12:30	22	1.8	41	120.47	58000	1815	130.4	0
	4/29/2022 13:30	23	1.8	41	118.32	60000	1814	130.9	0
	4/29/2022 14:30	23	1.8	41	120.47	60000	1805	131.4	0
	4/29/2022 15:30	23	1.8	41	120.47	62000	1807	131.9	0
	4/29/2022 16:30	23	1.8	41	120.47	58000	1792	132.3	0
	4/29/2022 17:29	22	1.867	41	118.32	54000	1793	132.8	0
	4/29/2022 18:29	21	1.867	41	120.47	48000	1799	133.2	0
	4/29/2022 19:29	22	1.867	40	120.47	44000	1799	133.5	0
	4/29/2022 20:29	21	1.867	40	122.62	38000	1781	133.8	0



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TABLE 2 - Controller Datapoint Summary

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ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/29/2022 21:29	20	1.867	40	124.77	30000	1801	134.1	0
	4/29/2022 22:29	21	1.867	39	124.77	30000	1802	134.3	0
	4/29/2022 23:29	20	1.867	38	126.92	24000	1792	134.5	0
	4/30/2022 0:28	19	1.8	38	129.07	20000	1805	134.7	0
	4/30/2022 1:28	20	1.8	37	126.92	20000	1800	134.9	0
	4/30/2022 2:28	21	1.867	37	124.77	18000	1798	135.0	0
	4/30/2022 3:28	21	1.867	37	120.47	20000	1807	135.2	0
	4/30/2022 4:28	20	1.867	37	122.62	14000	1789	135.3	0
	4/30/2022 5:28	21	1.8	36	122.62	12000	1781	135.4	0
	4/30/2022 6:28	20	1.8	36	120.47	14000	1780	135.5	0
	4/30/2022 7:27	21	1.867	36	118.32	14000	1807	135.6	0
	4/30/2022 8:27	20	1.867	37	118.32	20000	1805	135.8	0
	4/30/2022 9:27	21	1.867	38	116.16	22000	1787	135.9	0
	4/30/2022 10:27	22	1.867	38	114.01	30000	1814	136.2	0
	4/30/2022 11:27	24	1.867	37	107.56	34000	1816	136.5	0
	4/30/2022 12:27	24	1.867	37	109.71	38000	1794	136.8	0
	4/30/2022 13:27	24	1.867	38	105.41	44000	1806	137.1	0
	4/30/2022 14:26	24	1.867	38	107.56	44000	1807	137.5	0
	4/30/2022 15:26	25	1.867	37	107.56	46000	1786	137.9	0
	4/30/2022 16:26	25	1.867	37	105.41	46000	1798	138.2	0
	4/30/2022 17:26	25	1.867	37	107.56	42000	1806	138.6	0
	4/30/2022 18:26	24	1.867	37	107.56	36000	1803	138.9	0
	4/30/2022 19:26	23	1.867	37	109.71	32000	1795	139.1	0
	4/30/2022 20:26	22	1.867	37	109.71	28000	1798	139.4	0
	4/30/2022 21:25	21	1.867	37	114.01	22000	1809	139.5	0
	4/30/2022 22:25	22	1.867	36	114.01	22000	1798	139.7	0
	4/30/2022 23:25	22	1.867	36	111.86	24000	1814	139.9	0
	5/1/2022 0:25	23	1.867	36	109.71	22000	1792	140.1	0
	5/1/2022 1:25	19	1.867	39	107.56	24000	1793	140.3	0
	5/1/2022 2:25	24	1.867	34	109.71	22000	1788	140.5	0
	5/1/2022 3:25	24	1.867	34	107.56	20000	1816	140.6	0
	5/1/2022 4:24	24	1.867	34	105.41	20000	1815	140.8	0
	5/1/2022 5:24	24	1.867	34	107.56	20000	1813	141.0	0
	5/1/2022 6:24	25	1.867	34	105.41	20000	1815	141.1	0
	5/1/2022 7:24	24	1.867	34	105.41	20000	1805	141.3	0
	5/1/2022 8:24	24	1.867	35	107.56	22000	1814	141.5	0
	5/1/2022 9:24	23	1.867	36	109.71	28000	1787	141.7	0
	5/1/2022 10:24	25	1.867	36	105.41	34000	1798	142.0	0
	5/1/2022 11:23	27	1.867	35	101.11	40000	1817	142.3	0
	5/1/2022 12:23	26	1.867	36	101.11	40000	1798	142.6	0
	5/1/2022 13:23	27	1.867	36	98.96	44000	1789	143.0	0
	5/1/2022 14:23	27	1.867	36	98.96	46000	1795	143.3	0
	5/1/2022 15:23	27	1.867	36	98.96	42000	1817	143.7	0
	5/1/2022 16:23	28	1.867	35	98.96	40000	1807	144.0	0
	5/1/2022 17:23	27	1.867	36	98.96	42000	1797	144.3	0
	5/1/2022 18:22	27	1.933	35	98.96	38000	1799	144.7	0
	5/1/2022 19:22	26	1.933	35	103.26	34000	1812	144.9	0
	5/1/2022 20:22	26	1.867	35	101.11	30000	1799	145.2	0
	5/1/2022 21:22	24	1.867	36	105.41	26000	1811	145.4	0
	5/1/2022 22:22	24	1.867	36	105.41	26000	1785	145.6	0
	5/1/2022 23:22	24	1.867	36	109.71	24000	1798	145.8	0
	5/2/2022 0:22	24	1.867	36	109.71	26000	1792	146.0	0
	5/2/2022 1:21	22	1.867	37	116.16	26000	1813	146.2	0
	5/2/2022 2:21	22	1.867	38	118.32	28000	1812	146.4	0
	5/2/2022 3:21	21	1.867	38	120.47	26000	1809	146.7	0
	5/2/2022 4:21	21	1.867	38	118.32	26000	1801	146.9	0
	5/2/2022 5:21	22	1.867	37	122.62	24000	1784	147.1	0
	5/2/2022 6:21	22	1.867	37	122.62	22000	1812	147.2	0
	5/2/2022 7:21	21	1.867	38	124.77	24000	1803	147.4	0
	5/2/2022 8:20	21	1.867	39	122.62	26000	1792	147.7	0
	5/2/2022 9:20	21	1.867	40	118.32	38000	1797	148.0	0
	5/2/2022 10:20	23	1.867	39	114.01	48000	1796	148.3	0
	5/2/2022 11:20	24	1.867	39	111.86	56000	1799	148.8	0
	5/2/2022 12:20	24	1.867	40	111.86	56000	1806	149.3	0
	5/2/2022 13:20	25	1.8	39	111.86	62000	1791	149.8	0
	5/2/2022 14:20	25	1.8	39	111.86	60000	1782	150.3	0
	5/2/2022 15:19	24	1.8	39	114.01	62000	1791	150.8	0
	5/2/2022 16:19	26	1.8	38	111.86	58000	1811	151.2	0
	5/2/2022 17:19	25	1.867	38	114.01	54000	1803	151.7	0
	5/2/2022 18:19	25	1.867	39	114.01	50000	1789	152.1	0
	5/2/2022 19:19	24	1.867	38	114.01	46000	1797	152.4	0
	5/2/2022 20:19	24	1.867	38	114.01	36000	1807	152.7	0
	5/2/2022 21:19	23	1.867	38	116.16	34000	1813	153.0	0



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TABLE 2 - Controller Datapoint Summary

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ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/2/2022 22:18	22	1.867	38	118.32	30000	1815	153.3	0
	5/2/2022 23:18	22	1.867	37	120.47	22000	1791	153.4	0
	5/3/2022 0:18	22	1.867	37	120.47	24000	1809	153.6	0
	5/3/2022 1:18	22	1.867	37	118.32	20000	1804	153.8	0
	5/3/2022 2:18	22	1.867	36	116.16	18000	1792	153.9	0
	5/3/2022 3:18	22	1.867	35	116.16	12000	1802	154.0	0
	5/3/2022 4:18	22	1.867	35	118.32	12000	1804	154.1	0
	5/3/2022 5:17	22	1.867	34	118.32	6000	1799	154.2	0
	5/3/2022 6:17	22	1.867	34	116.16	4000	1811	154.2	0
	5/3/2022 7:17	22	1.867	34	114.01	4000	1798	154.3	0
	5/3/2022 8:17	21	1.867	35	114.01	10000	1816	154.3	0
	5/3/2022 9:17	21	1.867	36	109.71	14000	1790	154.4	0
	5/3/2022 10:17	22	1.867	36	109.71	22000	1783	154.6	0
	5/3/2022 11:17	24	1.867	36	107.56	28000	1792	154.9	0
	5/3/2022 12:16	25	1.867	36	101.11	34000	1794	155.1	0
	5/3/2022 13:16	26	1.867	36	98.96	44000	1790	155.5	0
	5/3/2022 14:16	26	1.867	36	101.11	42000	1794	155.8	0
	5/3/2022 15:16	25	1.867	36	101.11	38000	1813	156.1	0
	5/3/2022 16:16	25	1.867	36	101.11	36000	1793	156.4	0
	5/3/2022 17:16	25	1.867	36	101.11	34000	1799	156.7	0
	5/3/2022 18:16	25	1.867	36	103.26	34000	1813	157.0	0
	5/3/2022 19:15	26	1.867	35	101.11	32000	1799	157.2	0
	5/3/2022 20:15	24	1.867	36	101.11	30000	1792	157.5	0
	5/3/2022 21:15	24	1.867	36	101.11	26000	1816	157.7	0
	5/3/2022 22:15	24	1.867	36	101.11	26000	1791	157.9	0
	5/3/2022 23:15	25	1.867	35	98.96	28000	1805	158.1	0
	5/4/2022 0:15	25	1.867	35	98.96	28000	1800	158.4	0
	5/4/2022 1:15	26	1.867	35	101.11	28000	1804	158.6	0
	5/4/2022 2:14	25	1.867	35	101.11	24000	1817	158.8	0
	5/4/2022 3:14	25	1.867	35	103.26	26000	1796	159.0	0
	5/4/2022 4:14	26	1.867	35	103.26	26000	1802	159.2	0
	5/4/2022 5:14	25	1.867	35	103.26	24000	1807	159.4	0
	5/4/2022 6:14	25	1.867	35	105.41	26000	1793	159.6	0
	5/4/2022 7:14	24	1.867	35	105.41	26000	1783	159.8	0
	5/4/2022 8:14	25	1.867	35	103.26	28000	1814	160.1	0
	5/4/2022 9:13	26	1.867	36	101.11	32000	1813	160.3	0
	5/4/2022 10:13	28	1.867	35	96.8	44000	1808	160.7	0
	5/4/2022 11:13	26	1.867	36	101.11	46000	1786	161.0	0
	5/4/2022 12:13	26	1.867	36	101.11	44000	1806	161.4	0
	5/4/2022 13:13	26	1.867	36	98.96	44000	1806	161.8	0
	5/4/2022 14:13	27	1.867	35	98.96	44000	1787	162.1	0
	5/4/2022 15:13	27	1.867	35	96.8	44000	1802	162.5	0
	5/4/2022 16:12	27	1.867	35	96.8	42000	1791	162.8	0
	5/4/2022 17:12	27	1.867	35	96.8	42000	1800	163.2	0
	5/4/2022 18:12	26	1.867	35	96.8	42000	1795	163.5	0
	5/4/2022 19:12	27	1.867	35	96.8	40000	1799	163.8	0
	5/4/2022 20:12	26	1.867	35	98.96	32000	1803	164.1	0
	5/4/2022 21:12	25	1.867	35	98.96	28000	1786	164.3	0
	5/4/2022 22:12	25	1.867	35	101.11	26000	1791	164.5	0
	5/4/2022 23:11	24	1.867	35	101.11	24000	1790	164.7	0
	5/5/2022 0:11	23	1.867	36	103.26	22000	1804	164.9	0
	5/5/2022 1:11	24	1.867	35	101.11	18000	1813	165.0	0
	5/5/2022 2:11	24	1.867	34	103.26	18000	1802	165.2	0
	5/5/2022 3:11	24	1.867	33	105.41	18000	1788	165.3	0
	5/5/2022 4:11	25	1.867	33	103.26	12000	1805	165.4	0
	5/5/2022 5:11	23	1.867	33	103.26	10000	1795	165.5	0
	5/5/2022 6:10	25	1.867	32	103.26	6000	1800	165.6	0
	5/5/2022 7:10	25	1.867	32	101.11	8000	1794	165.6	0
	5/5/2022 8:10	25	1.867	33	101.11	12000	1803	165.7	0
	5/5/2022 9:10	23	1.867	35	98.96	22000	1781	165.9	0
	5/5/2022 10:10	26	1.867	34	96.8	28000	1798	166.1	0
	5/5/2022 11:10	28	1.867	33	90.35	34000	1802	166.4	0
	5/5/2022 12:10	28	1.867	34	88.2	42000	1805	166.8	0
	5/5/2022 13:09	28	1.867	35	88.2	42000	1807	167.1	0
	5/5/2022 14:09	29	1.867	34	90.35	46000	1805	167.5	0
	5/5/2022 15:09	29	1.867	34	90.35	46000	1799	167.8	0
	5/5/2022 16:09	28	1.867	34	92.5	44000	1803	168.2	0
	5/5/2022 17:09	28	1.867	34	90.35	42000	1812	168.5	0
	5/5/2022 18:09	28	1.867	34	90.35	40000	1785	168.9	0
	5/5/2022 19:09	28	1.867	33	90.35	32000	1814	169.1	0
	5/5/2022 20:08	27	1.867	33	94.65	26000	1805	169.3	0
	5/5/2022 21:08	24	1.867	34	96.8	20000	1794	169.5	0
	5/5/2022 22:08	25	1.867	33	98.96	18000	1804	169.7	0



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ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/5/2022 23:08	24	1.867	33	101.11	12000	1804	169.7	0
	5/6/2022 0:08	23	1.867	33	101.11	10000	1807	169.8	0
	5/6/2022 1:08	24	1.867	33	103.26	10000	1783	169.9	0
	5/6/2022 2:08	25	1.867	32	101.11	10000	1818	170.0	0
	5/6/2022 3:07	25	1.867	33	96.8	18000	1792	170.1	0
	5/6/2022 4:07	25	1.867	33	96.8	20000	1784	170.3	0
	5/6/2022 5:07	27	1.867	31	96.8	14000	1799	170.4	0
	5/6/2022 6:07	25	1.867	31	98.96	10000	1802	170.5	0
	5/6/2022 7:07	25	1.867	31	94.65	10000	1797	170.6	0
	5/6/2022 8:07	27	1.867	32	86.05	18000	1791	170.7	0
	5/6/2022 9:07	30	1.867	31	81.75	32000	1788	171.0	0
	5/6/2022 10:06	30	1.867	32	79.59	44000	1817	171.3	0
	5/6/2022 11:06	31	1.867	32	81.75	50000	1791	171.7	0
	5/6/2022 12:06	31	1.867	32	83.9	54000	1810	172.2	0
	5/6/2022 13:06	31	1.867	33	83.9	56000	1808	172.6	0
	5/6/2022 14:06	31	1.867	33	83.9	58000	1796	173.1	0
	5/6/2022 15:06	32	1.867	33	86.05	58000	1795	173.6	0
	5/6/2022 16:06	31	1.867	33	88.2	56000	1811	174.0	0
	5/6/2022 17:05	31	1.867	33	88.2	52000	1813	174.5	0
	5/6/2022 18:05	30	1.867	33	88.2	52000	1803	174.9	0
	5/6/2022 19:05	30	1.867	33	88.2	46000	1817	175.3	0
	5/6/2022 20:05	30	1.933	32	86.05	36000	1789	175.6	0
	5/6/2022 21:05	28	1.933	33	90.35	28000	1797	175.8	0
	5/6/2022 22:05	27	1.867	33	90.35	22000	1801	176.0	0
	5/6/2022 23:05	26	1.933	33	90.35	18000	1785	176.1	0
	5/7/2022 0:04	26	1.867	33	94.65	20000	1813	176.3	0
	5/7/2022 1:04	25	1.867	33	94.65	20000	1800	176.4	0
	5/7/2022 2:04	25	1.867	33	96.8	20000	1813	176.6	0
	5/7/2022 3:04	25	1.867	33	96.8	18000	1797	176.7	0
	5/7/2022 4:04	26	1.867	32	96.8	14000	1808	176.9	0
	5/7/2022 5:04	25	1.867	32	96.8	12000	1816	177.0	0
	5/7/2022 6:04	25	1.867	32	96.8	12000	1806	177.0	0
	5/7/2022 7:03	26	1.867	32	94.65	16000	1792	177.2	0
	5/7/2022 8:03	26	1.867	33	86.05	24000	1782	177.4	0
	5/7/2022 9:03	28	1.867	33	83.9	38000	1797	177.7	0
	5/7/2022 10:03	30	1.8	33	83.9	50000	1794	178.1	0
	5/7/2022 11:03	31	1.8	33	83.9	56000	1792	178.5	0
	5/7/2022 12:03	31	1.8	33	83.9	64000	1815	179.1	0
	5/7/2022 13:03	31	1.8	33	88.2	68000	1786	179.6	0
	5/7/2022 14:02	31	1.8	33	92.5	68000	1811	180.2	0
	5/7/2022 15:02	32	1.8	33	88.2	68000	1819	180.7	0
	5/7/2022 16:02	32	1.8	33	90.35	68000	1792	181.3	0
	5/7/2022 17:02	32	1.8	33	90.35	64000	1817	181.8	0
	5/7/2022 18:02	30	1.867	33	90.35	56000	1799	182.3	0
	5/7/2022 19:02	31	1.867	33	90.35	54000	1806	182.7	0
	5/7/2022 20:02	30	1.867	33	90.35	44000	1806	183.0	0
	5/7/2022 21:01	29	1.867	33	90.35	38000	1810	183.4	0
	5/7/2022 22:01	28	1.867	33	90.35	32000	1805	183.6	0
	5/7/2022 23:01	28	1.867	33	90.35	32000	1811	183.9	0
	5/8/2022 0:01	28	1.867	33	90.35	30000	1810	184.1	0
	5/8/2022 1:01	27	1.867	33	92.5	28000	1812	184.3	0
	5/8/2022 2:01	27	1.867	33	90.35	30000	1808	184.6	0
	5/8/2022 3:01	27	1.867	33	92.5	26000	1809	184.8	0
	5/8/2022 4:00	26	1.867	33	94.65	24000	1807	185.0	0
	5/8/2022 5:00	26	1.867	33	96.8	18000	1776	185.1	0
	5/8/2022 6:00	26	1.867	33	94.65	18000	1802	185.3	0
	5/8/2022 7:00	25	1.867	34	90.35	24000	1796	185.5	0
	5/8/2022 8:00	27	1.867	33	88.2	30000	1797	185.7	0
	5/8/2022 9:00	28	1.867	34	88.2	42000	1788	186.1	0
	5/8/2022 10:00	29	1.867	34	88.2	50000	1797	186.5	0
	5/8/2022 10:59	29	1.867	34	88.2	56000	1800	186.9	0
	5/8/2022 11:59	31	1.867	33	88.2	56000	1789	187.4	0
	5/8/2022 12:59	32	1.867	33	86.05	64000	1803	187.9	0
	5/8/2022 13:59	31	1.8	33	88.2	66000	1806	188.4	0
	5/8/2022 14:59	31	1.8	33	88.2	68000	1800	189.0	0
	5/8/2022 15:59	31	1.867	33	88.2	66000	1798	189.5	0
	5/8/2022 16:59	31	1.867	33	88.2	56000	1790	190.0	0
	5/8/2022 17:58	31	1.867	33	88.2	52000	1790	190.4	0
	5/8/2022 18:58	30	1.867	33	88.2	52000	1810	190.8	0
	5/8/2022 19:58	29	1.867	33	90.35	40000	1801	191.2	0
	5/8/2022 20:58	30	1.867	32	88.2	40000	1800	191.5	0
	5/8/2022 21:58	30	1.867	32	88.2	36000	1804	191.8	0
	5/8/2022 22:58	29	1.933	32	86.05	30000	1801	192.0	0


CLEAR FORK
 CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

 Energy Transfer Site
 Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/8/2022 23:58	29	1.933	32	88.2	30000	1805	192.3	0
	5/9/2022 0:57	28	1.867	33	88.2	32000	1786	192.5	0
	5/9/2022 1:57	29	1.933	32	88.2	30000	1814	192.8	0
	5/9/2022 2:57	29	1.933	32	88.2	28000	1802	193.0	0
	5/9/2022 3:57	28	1.867	33	88.2	26000	1800	193.2	0
	5/9/2022 4:57	27	1.867	33	90.35	24000	1800	193.4	0
	5/9/2022 5:57	27	1.867	32	90.35	22000	1807	193.6	0
	5/9/2022 6:57	27	1.867	32	92.5	20000	1795	193.7	0
	5/9/2022 7:56	26	1.867	33	88.2	24000	1779	193.9	0
	5/9/2022 8:56	29	1.867	33	86.05	36000	1805	194.2	0
	5/9/2022 9:56	29	1.867	33	86.05	44000	1799	194.6	0
	5/9/2022 10:56	30	1.867	33	86.05	56000	1790	195.0	0
	5/9/2022 11:56	31	1.8	33	86.05	56000	1793	195.5	0
	5/9/2022 12:56	31	1.8	33	86.05	60000	1816	196.0	0
	5/9/2022 13:56	31	1.8	33	86.05	66000	1811	196.5	0
	5/9/2022 14:55	31	1.8	33	86.05	68000	1794	197.1	0
	5/9/2022 15:55	32	1.867	33	86.05	64000	1807	197.6	0
	5/9/2022 16:55	31	1.867	32	86.05	60000	1791	198.1	0
	5/9/2022 17:55	31	1.867	32	86.05	54000	1802	198.5	0
	5/9/2022 18:55	31	1.867	32	86.05	48000	1802	198.9	0
	5/9/2022 19:55	31	1.867	32	86.05	40000	1810	199.2	0
	5/9/2022 20:55	29	1.933	32	86.05	30000	1803	199.5	0
	5/9/2022 21:54	28	1.867	32	86.05	30000	1786	199.7	0
	5/9/2022 22:54	28	1.867	32	90.35	24000	1787	199.9	0
	5/9/2022 23:54	27	1.867	32	90.35	22000	1799	200.1	0
	5/10/2022 0:54	27	1.867	32	90.35	18000	1804	200.3	0
	5/10/2022 1:54	26	1.867	33	90.35	22000	1801	200.4	0
	5/10/2022 2:54	28	1.933	32	88.2	22000	1800	200.6	0
	5/10/2022 3:54	27	1.867	32	88.2	22000	1795	200.8	0
	5/10/2022 4:53	26	1.867	33	92.5	18000	1786	200.9	0
	5/10/2022 5:53	26	1.867	32	92.5	18000	1801	201.1	0
	5/10/2022 6:53	24	1.867	35	98.96	22000	1785	201.3	0
	5/10/2022 7:53	26	1.867	35	96.8	30000	1789	201.5	0
	5/10/2022 8:53	27	1.867	35	96.8	34000	1793	201.8	0
	5/10/2022 9:53	26	1.867	36	96.8	44000	1787	202.1	0
	5/10/2022 10:53	28	1.867	35	94.65	50000	1797	202.5	0
	5/10/2022 11:52	28	1.867	36	94.65	54000	1810	203.0	0
	5/10/2022 12:52	29	1.867	35	94.65	60000	1786	203.5	0
	5/10/2022 13:52	29	1.867	35	94.65	54000	1814	203.9	0
	5/10/2022 14:52	29	1.867	35	94.65	54000	1787	204.3	0
	5/10/2022 15:52	30	1.867	34	94.65	54000	1788	204.8	0
	5/10/2022 16:52	29	1.867	34	92.5	46000	1804	205.2	0
	5/10/2022 17:52	29	1.933	34	92.5	38000	1803	205.5	0
	5/10/2022 18:51	28	1.933	33	92.5	28000	1798	205.7	0
	5/10/2022 19:51	27	1.933	34	92.5	24000	1798	205.9	0
	5/10/2022 20:51	27	1.933	34	94.65	26000	1787	206.1	0
	5/10/2022 21:51	26	1.933	35	94.65	26000	1795	206.3	0
	5/10/2022 22:51	27	1.933	34	96.8	24000	1813	206.5	0
	5/10/2022 23:51	25	1.933	35	96.8	20000	1794	206.7	0
	5/11/2022 0:51	26	1.933	34	96.8	22000	1793	206.9	0
	5/11/2022 1:50	26	1.933	34	96.8	20000	1787	207.0	0
	5/11/2022 2:50	26	1.933	34	94.65	20000	1808	207.2	0
	5/11/2022 3:50	25	1.933	34	96.8	18000	1810	207.3	0
	5/11/2022 4:50	26	1.933	34	96.8	20000	1792	207.5	0
	5/11/2022 5:50	26	1.933	34	96.8	18000	1813	207.6	0
	5/11/2022 6:50	26	1.933	34	94.65	20000	1806	207.8	0
	5/11/2022 7:50	24	1.933	35	98.96	22000	1787	208.0	0
	5/11/2022 8:49	26	1.933	34	94.65	28000	1801	208.2	0
	5/11/2022 9:49	28	1.867	34	92.5	38000	1788	208.5	0
	5/11/2022 10:49	29	1.867	34	90.35	42000	1806	208.9	0
	5/11/2022 11:49	29	1.867	34	90.35	52000	1814	209.3	0
	5/11/2022 12:49	17	1.933	46	81.75	44000	1792	209.6	0
2022 Event 1	<u>Total Run Hours</u>	<u>Operation Date Ranges</u>		<u>Average Well Flow</u>	<u>Average Well Vacuum</u>	<u>Average BTUs</u>	<u>Vapor Recovery</u>		
	719 Hours	April 11 to May 11, 2022		42.01	139.05	35812.50	209.60		
	719 Hours	(See TABLE 5 for Calculations)					209.6 (gallons) vapor		



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/17/2022 18:10	16	1.8	47	169.94	56000	1799	50.0	0
	4/17/2022 19:10	11	1.8	51	169.94	48000	1802	50.4	0
	4/17/2022 20:10	11	1.8	50	169.94	40000	1816	50.8	0
	4/17/2022 21:10	10	1.8	49	169.94	34000	1790	51.0	0
	4/17/2022 22:10	11	1.8	48	169.94	26000	1791	51.2	0
	4/17/2022 23:10	10	1.8	48	169.94	26000	1800	51.5	0
	4/18/2022 0:10	10	1.8	47	169.94	22000	1779	51.6	0
	4/18/2022 1:09	10	1.8	47	169.94	16000	1810	51.8	0
	4/18/2022 2:09	11	1.8	46	169.94	16000	1808	51.9	0
	4/18/2022 3:09	10	1.8	46	172.1	16000	1810	52.0	0
	4/18/2022 4:09	12	1.8	45	169.94	16000	1791	52.2	0
	4/18/2022 5:09	8	1.8	48	169.94	12000	1808	52.3	0
	4/18/2022 6:09	15	1.8	40	169.94	12000	1796	52.3	0
	4/18/2022 7:09	18	1.8	40	169.94	16000	1808	52.5	0
	4/18/2022 8:08	19	1.8	40	169.94	26000	1804	52.7	0
	4/18/2022 9:08	18	1.8	42	172.1	26000	1818	52.9	0
	4/18/2022 10:08	18	1.867	41	169.94	32000	1814	53.2	0
	4/18/2022 11:08	12	1.8	48	169.94	38000	1781	53.5	0
	4/18/2022 12:08	23	1.867	39	169.94	40000	1811	53.8	0
	4/18/2022 13:08	14	1.867	48	169.94	44000	1826	54.2	0
	4/18/2022 14:08	14	1.867	48	169.94	46000	1808	54.5	0
	4/18/2022 15:07	14	1.867	48	172.1	46000	1815	54.9	0
	4/18/2022 16:07	14	1.867	48	169.94	48000	1804	55.3	0
	4/18/2022 17:07	14	1.867	48	169.94	48000	1793	55.7	0
	4/18/2022 18:07	14	1.867	48	169.94	40000	1814	56.0	0
	4/18/2022 19:07	14	1.867	47	169.94	38000	1809	56.3	0
	4/18/2022 20:07	13	1.8	47	172.1	34000	1808	56.6	0
	4/18/2022 21:07	13	1.8	46	169.94	32000	1799	56.9	0
	4/18/2022 22:06	13	1.8	46	169.94	26000	1782	57.1	0
	4/18/2022 23:06	10	1.8	48	169.94	24000	1779	57.3	0
	4/19/2022 0:06	13	1.8	46	169.94	26000	1803	57.5	0
	4/19/2022 1:06	10	1.8	48	169.94	26000	1791	57.7	0
	4/19/2022 2:06	10	1.8	48	169.94	26000	1793	57.9	0
	4/19/2022 3:06	13	1.8	45	169.94	26000	1787	58.1	0
	4/19/2022 4:06	12	1.8	46	169.94	26000	1810	58.3	0
	4/19/2022 5:05	18	1.8	41	169.94	24000	1798	58.5	0
	4/19/2022 6:05	19	1.8	39	172.1	24000	1782	58.7	0
	4/19/2022 7:05	21	1.8	37	169.94	24000	1784	58.9	0
	4/19/2022 8:05	12	1.8	46	169.94	26000	1811	59.1	0
	4/19/2022 9:05	12	1.8	47	172.1	32000	1787	59.4	0
	4/19/2022 10:05	13	1.867	48	169.94	38000	1784	59.7	0
	4/19/2022 11:05	14	1.867	48	169.94	42000	1824	60.0	0
	4/19/2022 12:04	13	1.867	49	172.1	44000	1817	60.4	0
	4/19/2022 13:04	14	1.867	49	169.94	50000	1779	60.8	0
	4/19/2022 14:04	14	1.867	50	169.94	56000	1804	61.2	0
	4/19/2022 15:04	14	1.867	50	169.94	56000	1809	61.7	0
	4/19/2022 16:04	15	1.867	49	169.94	54000	1801	62.1	0
	4/19/2022 17:04	15	1.867	49	169.94	54000	1802	62.6	0
	4/19/2022 18:04	14	1.867	49	169.94	50000	1800	63.0	0
	4/19/2022 19:03	15	1.867	48	169.94	44000	1797	63.3	0
	4/19/2022 20:03	14	1.867	48	169.94	40000	1807	63.7	0
	4/19/2022 21:03	14	1.867	47	169.94	38000	1803	64.0	0
	4/19/2022 22:03	14	1.867	47	169.94	34000	1827	64.3	0
	4/19/2022 23:03	13	1.867	47	169.94	30000	1786	64.5	0
	4/20/2022 0:03	14	1.867	46	169.94	30000	1809	64.7	0
	4/20/2022 1:03	12	1.867	47	172.1	30000	1811	65.0	0
	4/20/2022 2:03	13	1.867	47	169.94	30000	1808	65.2	0
	4/20/2022 3:02	13	1.867	46	172.1	28000	1788	65.5	0
	4/20/2022 4:02	14	1.867	46	169.94	28000	1820	65.7	0
	4/20/2022 5:02	13	1.867	46	169.94	28000	1794	65.9	0
	4/20/2022 6:02	13	1.867	47	169.94	24000	1785	66.1	0
	4/20/2022 7:02	12	1.867	47	169.94	26000	1819	66.3	0
	4/20/2022 8:02	12	1.867	47	169.94	28000	1815	66.5	0
	4/20/2022 9:02	12	1.867	49	169.94	38000	1799	66.9	0
	4/20/2022 10:01	12	1.8	51	169.94	50000	1801	67.3	0
	4/20/2022 11:01	12	1.8	52	169.94	60000	1790	67.7	0
	4/20/2022 12:01	12	1.8	52	169.94	70000	1812	68.3	0
	4/20/2022 13:01	12	1.8	52	169.94	72000	1795	68.9	0
	4/20/2022 14:01	13	1.8	52	169.94	72000	1798	69.5	0
	4/20/2022 15:01	13	1.8	52	169.94	72000	1817	70.1	0
	4/20/2022 16:01	13	1.8	52	169.94	72000	1809	70.7	0
	4/20/2022 17:00	13	1.8	51	169.94	66000	1794	71.2	0
	4/20/2022 18:00	12	1.8	51	169.94	58000	1808	71.7	0
	4/20/2022 19:00	13	1.867	50	169.94	54000	1793	72.1	0



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/20/2022 20:00	13	1.867	49	169.94	46000	1816	72.5	0
	4/20/2022 21:00	13	1.867	49	169.94	40000	1784	72.8	0
	4/20/2022 22:00	12	1.867	49	169.94	38000	1809	73.1	0
	4/20/2022 23:00	12	1.8	48	169.94	34000	1820	73.4	0
	4/20/2022 23:59	13	1.867	47	169.94	32000	1805	73.7	0
	4/21/2022 0:59	13	1.8	46	169.94	26000	1792	73.9	0
	4/21/2022 1:59	18	1.867	41	169.94	30000	1784	74.1	0
	4/21/2022 2:59	19	1.867	41	169.94	28000	1808	74.3	0
	4/21/2022 3:59	10	1.867	49	169.94	28000	1810	74.6	0
	4/21/2022 4:59	11	1.867	49	169.94	26000	1804	74.8	0
	4/21/2022 5:59	8	1.867	50	169.94	24000	1789	75.0	0
	4/21/2022 6:58	9	1.867	50	169.94	22000	1796	75.1	0
	4/21/2022 7:58	12	1.867	48	169.94	28000	1790	75.4	0
	4/21/2022 8:58	16	1.867	45	169.94	36000	1794	75.7	0
	4/21/2022 9:58	11	1.867	51	169.94	48000	1786	76.1	0
	4/21/2022 10:58	11	1.8	52	169.94	58000	1799	76.5	0
	4/21/2022 11:58	12	1.8	52	169.94	68000	1807	77.1	0
	4/21/2022 12:58	12	1.8	52	169.94	70000	1796	77.7	0
	4/21/2022 13:57	13	1.8	52	169.94	70000	1816	78.2	0
	4/21/2022 14:57	13	1.8	52	169.94	68000	1818	78.8	0
	4/21/2022 15:57	13	1.8	51	169.94	66000	1815	79.3	0
	4/21/2022 16:57	12	1.8	51	169.94	58000	1780	79.8	0
	4/21/2022 17:57	14	1.867	50	169.94	56000	1809	80.2	0
	4/21/2022 18:57	12	1.867	51	169.94	52000	1810	80.7	0
	4/21/2022 19:56	13	1.867	49	169.94	44000	1780	81.0	0
	4/21/2022 20:56	12	1.867	50	169.94	40000	1814	81.3	0
	4/21/2022 21:56	12	1.867	49	169.94	38000	1817	81.7	0
	4/21/2022 22:56	12	1.867	49	169.94	32000	1784	81.9	0
	4/21/2022 23:56	12	1.867	49	169.94	32000	1800	82.2	0
	4/22/2022 0:56	12	1.867	49	169.94	32000	1796	82.4	0
	4/22/2022 1:56	11	1.867	49	172.1	32000	1797	82.7	0
	4/22/2022 2:56	11	1.867	49	169.94	30000	1808	82.9	0
	4/22/2022 3:55	13	1.867	48	169.94	32000	1812	83.2	0
	4/22/2022 4:55	13	1.867	48	169.94	28000	1803	83.4	0
	4/22/2022 5:55	12	1.867	48	169.94	28000	1784	83.7	0
	4/22/2022 6:55	12	1.867	48	169.94	28000	1817	83.9	0
	4/22/2022 7:55	12	1.867	49	169.94	32000	1807	84.1	0
	4/22/2022 8:55	12	1.867	49	172.1	36000	1815	84.4	0
	4/22/2022 9:55	12	1.867	50	169.94	42000	1807	84.8	0
	4/22/2022 10:54	12	1.867	51	169.94	48000	1790	85.2	0
	4/22/2022 11:54	12	1.867	51	169.94	52000	1815	85.6	0
	4/22/2022 12:54	13	1.867	51	169.94	58000	1810	86.1	0
	4/22/2022 13:54	13	1.867	51	169.94	62000	1787	86.6	0
	4/22/2022 14:54	13	1.867	51	169.94	62000	1810	87.1	0
	4/22/2022 15:54	13	1.867	51	169.94	64000	1813	87.6	0
	4/22/2022 16:54	14	1.867	50	169.94	60000	1815	88.1	0
	4/22/2022 17:53	13	1.867	51	169.94	56000	1796	88.5	0
	4/22/2022 18:53	14	1.867	50	169.94	52000	1808	89.0	0
	4/22/2022 19:53	14	1.867	49	169.94	46000	1796	89.3	0
	4/22/2022 20:53	14	1.867	49	169.94	40000	1812	89.7	0
	4/22/2022 21:53	13	1.867	49	169.94	42000	1791	90.0	0
	4/22/2022 22:53	12	1.867	49	169.94	38000	1810	90.3	0
	4/22/2022 23:53	13	1.867	49	169.94	38000	1787	90.6	0
	4/23/2022 0:52	13	1.867	48	169.94	36000	1800	90.9	0
	4/23/2022 1:52	13	1.867	48	169.94	36000	1795	91.2	0
	4/23/2022 2:52	13	1.867	48	169.94	38000	1799	91.5	0
	4/23/2022 3:52	13	1.867	47	169.94	30000	1820	91.7	0
	4/23/2022 4:52	14	1.867	46	169.94	26000	1808	92.0	0
	4/23/2022 5:52	12	1.867	46	169.94	24000	1784	92.2	0
	4/23/2022 6:52	12	1.8	46	169.94	24000	1797	92.3	0
	4/23/2022 7:51	10	1.867	48	169.94	26000	1786	92.6	0
	4/23/2022 8:51	11	1.867	49	169.94	34000	1789	92.8	0
	4/23/2022 9:51	12	1.867	50	169.94	46000	1812	93.2	0
	4/23/2022 10:51	12	1.867	51	169.94	54000	1800	93.7	0
	4/23/2022 11:51	13	1.867	51	167.79	58000	1807	94.1	0
	4/23/2022 12:51	12	1.867	51	169.94	64000	1787	94.6	0
	4/23/2022 13:51	13	1.867	51	167.79	64000	1795	95.2	0
	4/23/2022 14:50	12	1.8	51	169.94	60000	1793	95.7	0
	4/23/2022 15:50	12	1.8	51	167.79	60000	1794	96.1	0
	4/23/2022 16:50	13	1.8	50	167.79	56000	1818	96.6	0
	4/23/2022 17:50	13	1.867	50	167.79	50000	1794	97.0	0
	4/23/2022 18:50	12	1.867	50	169.94	46000	1804	97.4	0
	4/23/2022 19:50	13	1.867	49	169.94	44000	1787	97.7	0
	4/23/2022 20:50	13	1.867	48	169.94	36000	1799	98.0	0



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/23/2022 21:49	12	1.867	48	169.94	32000	1820	98.3	0
	4/23/2022 22:49	12	1.867	47	169.94	32000	1792	98.5	0
	4/23/2022 23:49	12	1.8	47	169.94	30000	1795	98.8	0
	4/24/2022 0:49	12	1.8	47	169.94	28000	1806	99.0	0
	4/24/2022 1:49	13	1.8	46	169.94	24000	1820	99.2	0
	4/24/2022 2:49	13	1.8	45	169.94	24000	1790	99.4	0
	4/24/2022 3:49	12	1.8	46	169.94	24000	1786	99.6	0
	4/24/2022 4:48	13	1.8	45	169.94	24000	1810	99.8	0
	4/24/2022 5:48	13	1.8	45	169.94	18000	1799	99.9	0
	4/24/2022 6:48	11	1.8	46	169.94	18000	1815	100.1	0
	4/24/2022 7:48	11	1.867	47	172.1	24000	1815	100.3	0
	4/24/2022 8:48	11	1.8	48	169.94	28000	1791	100.5	0
	4/24/2022 9:48	11	1.8	49	169.94	36000	1816	100.8	0
	4/24/2022 10:48	11	1.867	50	169.94	38000	1807	101.1	0
	4/24/2022 11:47	12	1.867	50	167.79	44000	1797	101.5	0
	4/24/2022 12:47	12	1.867	50	163.49	46000	1793	101.8	0
	4/24/2022 13:47	13	1.867	50	161.34	50000	1810	102.3	0
	4/24/2022 14:47	14	1.867	49	161.34	54000	1790	102.7	0
	4/24/2022 15:47	14	1.867	49	161.34	54000	1810	103.1	0
	4/24/2022 16:47	13	1.867	49	163.49	50000	1800	103.5	0
	4/24/2022 17:47	13	1.867	49	161.34	46000	1783	103.9	0
	4/24/2022 18:46	14	1.867	48	161.34	44000	1797	104.3	0
	4/24/2022 19:46	14	1.867	47	161.34	36000	1803	104.6	0
	4/24/2022 20:46	13	1.867	47	165.64	30000	1810	104.8	0
	4/24/2022 21:46	10	1.867	48	169.94	24000	1789	105.0	0
	4/24/2022 22:46	11	1.867	47	169.94	24000	1782	105.2	0
	4/24/2022 23:46	11	1.867	47	169.94	22000	1789	105.4	0
	4/25/2022 0:46	12	1.8	46	169.94	20000	1791	105.5	0
	4/25/2022 1:45	10	1.8	46	172.1	16000	1799	105.7	0
	4/25/2022 2:45	11	1.8	46	167.79	16000	1814	105.8	0
	4/25/2022 3:45	10	1.8	46	172.1	14000	1806	105.9	0
	4/25/2022 4:45	10	1.8	46	167.79	12000	1795	106.0	0
	4/25/2022 5:45	11	1.8	46	169.94	14000	1814	106.1	0
	4/25/2022 6:45	11	1.8	46	169.94	14000	1804	106.2	0
	4/25/2022 7:45	10	1.8	47	169.94	14000	1808	106.3	0
	4/25/2022 8:44	9	1.8	48	169.94	16000	1800	106.5	0
	4/25/2022 9:44	10	1.8	48	169.94	22000	1807	106.7	0
	4/25/2022 10:44	11	1.867	48	167.79	24000	1786	106.9	0
	4/25/2022 11:44	12	1.867	48	165.64	30000	1814	107.1	0
	4/25/2022 12:44	12	1.867	48	161.34	30000	1788	107.3	0
	4/25/2022 13:44	13	1.867	48	161.34	32000	1815	107.6	0
	4/25/2022 14:44	12	1.867	48	159.19	34000	1794	107.9	0
	4/25/2022 15:43	13	1.867	47	157.04	36000	1812	108.2	0
	4/25/2022 16:43	13	1.867	47	157.04	30000	1797	108.4	0
	4/25/2022 17:43	12	1.867	47	161.34	28000	1789	108.6	0
	4/25/2022 18:43	13	1.867	46	159.19	22000	1798	108.8	0
	4/25/2022 19:43	12	1.867	46	161.34	22000	1790	109.0	0
	4/25/2022 20:43	11	1.8	46	161.34	18000	1796	109.1	0
	4/25/2022 21:43	12	1.8	45	163.49	14000	1794	109.3	0
	4/25/2022 22:42	11	1.8	45	165.64	12000	1778	109.4	0
	4/25/2022 23:42	11	1.8	45	165.64	10000	1789	109.4	0
	4/26/2022 0:42	10	1.8	45	169.94	8000	1822	109.5	0
	4/26/2022 1:42	10	1.8	45	169.94	4000	1819	109.5	0
	4/26/2022 2:42	10	1.8	44	169.94	0	1815	109.5	0
	4/26/2022 3:42	10	1.8	44	169.94	0	1793	109.5	0
	4/26/2022 4:42	11	1.8	43	169.94	0	1803	109.5	0
	4/26/2022 5:41	11	1.8	43	169.94	0	1805	109.5	0
	4/26/2022 6:41	9	1.8	44	169.94	0	1801	109.5	0
	4/26/2022 7:41	8	1.867	46	169.94	0	1805	109.5	0
	4/26/2022 8:41	8	1.8	47	169.94	12000	1804	109.6	0
	4/26/2022 9:41	9	1.8	48	169.94	22000	1807	109.8	0
	4/26/2022 10:41	10	1.867	49	165.64	24000	1790	110.0	0
	4/26/2022 11:41	12	1.8	48	161.34	32000	1797	110.3	0
	4/26/2022 12:40	13	1.867	48	159.19	36000	1814	110.6	0
	4/26/2022 13:40	13	1.867	48	157.04	38000	1793	110.9	0
	4/26/2022 14:40	13	1.867	48	152.74	36000	1820	111.2	0
	4/26/2022 15:40	14	1.867	47	152.74	38000	1808	111.5	0
	4/26/2022 16:40	14	1.867	47	152.74	36000	1790	111.8	0
	4/26/2022 17:40	14	1.867	46	152.74	28000	1791	112.0	0
	4/26/2022 18:40	14	1.867	46	152.74	26000	1800	112.2	0
	4/26/2022 19:39	14	1.867	46	154.89	22000	1783	112.4	0



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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/26/2022 20:39	13	1.867	45	154.89	22000	1802	112.6	0
	4/26/2022 21:39	12	1.8	45	152.74	22000	1786	112.7	0
	4/26/2022 22:39	13	1.867	44	154.89	16000	1818	112.9	0
	4/26/2022 23:39	12	1.8	45	154.89	18000	1803	113.0	0
	4/27/2022 0:39	13	1.8	45	154.89	16000	1803	113.1	0
	4/27/2022 1:39	12	1.8	45	154.89	20000	1789	113.3	0
	4/27/2022 2:38	14	1.867	44	154.89	22000	1785	113.5	0
	4/27/2022 3:38	14	1.867	44	152.74	22000	1782	113.7	0
	4/27/2022 4:38	13	1.867	45	152.74	20000	1820	113.8	0
	4/27/2022 5:38	14	1.867	44	150.58	20000	1809	114.0	0
	4/27/2022 6:38	14	1.867	44	150.58	20000	1791	114.2	0
	4/27/2022 7:38	14	1.867	44	152.74	22000	1814	114.3	0
	4/27/2022 8:38	14	1.867	44	150.58	22000	1807	114.5	0
	4/27/2022 9:37	14	1.867	45	148.43	28000	1814	114.7	0
	4/27/2022 10:37	16	1.867	45	144.13	32000	1795	115.0	0
	4/27/2022 11:37	17	1.867	44	139.83	42000	1801	115.3	0
	4/27/2022 12:37	18	1.867	44	137.68	42000	1784	115.7	0
	4/27/2022 13:37	19	1.867	44	137.68	46000	1793	116.1	0
	4/27/2022 14:37	18	1.867	45	135.53	50000	1782	116.5	0
	4/27/2022 15:37	19	1.867	44	135.53	50000	1791	116.9	0
	4/27/2022 16:36	18	1.867	44	133.37	42000	1792	117.2	0
	4/27/2022 17:36	19	1.867	43	135.53	42000	1799	117.6	0
	4/27/2022 18:36	19	1.867	43	133.37	40000	1813	117.9	0
	4/27/2022 19:36	19	1.867	42	135.53	32000	1813	118.1	0
	4/27/2022 20:36	19	1.867	42	137.68	30000	1795	118.4	0
	4/27/2022 21:36	18	1.867	42	137.68	26000	1799	118.6	0
	4/27/2022 22:36	19	1.867	41	137.68	26000	1802	118.8	0
	4/27/2022 23:35	17	1.867	42	137.68	24000	1801	119.0	0
	4/28/2022 0:35	17	1.867	42	137.68	22000	1807	119.2	0
	4/28/2022 1:35	17	1.867	42	137.68	22000	1797	119.4	0
	4/28/2022 2:35	18	1.867	41	139.83	22000	1806	119.5	0
	4/28/2022 3:35	17	1.867	41	141.98	22000	1802	119.7	0
	4/28/2022 4:35	17	1.867	41	137.68	20000	1792	119.9	0
	4/28/2022 5:35	17	1.867	41	139.83	22000	1787	120.1	0
	4/28/2022 6:34	17	1.867	41	137.68	20000	1783	120.2	0
	4/28/2022 7:34	16	1.867	43	144.13	22000	1813	120.4	0
	4/28/2022 8:34	16	1.867	44	141.98	28000	1796	120.6	0
	4/28/2022 9:34	18	1.867	44	135.53	38000	1816	120.9	0
	4/28/2022 10:34	18	1.867	44	135.53	50000	1788	121.3	0
	4/28/2022 11:34	19	1.8	44	133.37	60000	1797	121.8	0
	4/28/2022 12:34	20	1.8	44	131.22	64000	1812	122.3	0
	4/28/2022 13:33	20	1.8	44	131.22	66000	1804	122.9	0
	4/28/2022 14:33	20	1.8	44	133.37	66000	1806	123.4	0
	4/28/2022 15:33	21	1.8	43	131.22	64000	1808	123.9	0
	4/28/2022 16:33	20	1.867	43	131.22	56000	1793	124.4	0
	4/28/2022 17:33	20	1.867	43	131.22	56000	1797	124.9	0
	4/28/2022 18:33	20	1.867	43	129.07	54000	1800	125.3	0
	4/28/2022 19:33	21	1.867	42	131.22	46000	1813	125.7	0
	4/28/2022 20:32	19	1.867	42	131.22	40000	1803	126.0	0
	4/28/2022 21:32	20	1.867	41	131.22	36000	1798	126.3	0
	4/28/2022 22:32	19	1.867	41	129.07	34000	1810	126.6	0
	4/28/2022 23:32	20	1.867	40	129.07	30000	1797	126.8	0
	4/29/2022 0:32	20	1.867	40	129.07	28000	1795	127.0	0
	4/29/2022 1:32	19	1.867	40	129.07	26000	1791	127.2	0
	4/29/2022 2:32	20	1.867	40	129.07	26000	1811	127.5	0
	4/29/2022 3:31	20	1.867	39	129.07	26000	1782	127.7	0
	4/29/2022 4:31	21	1.867	39	126.92	26000	1797	127.9	0
	4/29/2022 5:31	19	1.867	39	129.07	20000	1796	128.0	0
	4/29/2022 6:31	19	1.867	39	131.22	22000	1810	128.2	0
	4/29/2022 7:31	17	1.867	41	133.37	22000	1785	128.4	0
	4/29/2022 8:31	19	1.867	42	126.92	34000	1784	128.7	0
	4/29/2022 9:31	21	1.867	41	124.77	46000	1791	129.0	0
	4/29/2022 10:30	21	1.8	42	120.47	52000	1789	129.5	0
	4/29/2022 11:30	22	1.8	42	120.47	56000	1805	129.9	0
	4/29/2022 12:30	22	1.8	41	120.47	58000	1815	130.4	0
	4/29/2022 13:30	23	1.8	41	118.32	60000	1814	130.9	0
	4/29/2022 14:30	23	1.8	41	120.47	60000	1805	131.4	0
	4/29/2022 15:30	23	1.8	41	120.47	62000	1807	131.9	0
	4/29/2022 16:30	23	1.8	41	120.47	58000	1792	132.3	0
	4/29/2022 17:29	22	1.867	41	118.32	54000	1793	132.8	0
	4/29/2022 18:29	21	1.867	41	120.47	48000	1799	133.2	0
	4/29/2022 19:29	22	1.867	40	120.47	44000	1799	133.5	0
	4/29/2022 20:29	21	1.867	40	122.62	38000	1781	133.8	0



CLEAR FORK
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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H ₂ O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	4/29/2022 21:29	20	1.867	40	124.77	30000	1801	134.1	0
	4/29/2022 22:29	21	1.867	39	124.77	30000	1802	134.3	0
	4/29/2022 23:29	20	1.867	38	126.92	24000	1792	134.5	0
	4/30/2022 0:28	19	1.8	38	129.07	20000	1805	134.7	0
	4/30/2022 1:28	20	1.8	37	126.92	20000	1800	134.9	0
	4/30/2022 2:28	21	1.867	37	124.77	18000	1798	135.0	0
	4/30/2022 3:28	21	1.867	37	120.47	20000	1807	135.2	0
	4/30/2022 4:28	20	1.867	37	122.62	14000	1789	135.3	0
	4/30/2022 5:28	21	1.8	36	122.62	12000	1781	135.4	0
	4/30/2022 6:28	20	1.8	36	120.47	14000	1780	135.5	0
	4/30/2022 7:27	21	1.867	36	118.32	14000	1807	135.6	0
	4/30/2022 8:27	20	1.867	37	118.32	20000	1805	135.8	0
	4/30/2022 9:27	21	1.867	38	116.16	22000	1787	135.9	0
	4/30/2022 10:27	22	1.867	38	114.01	30000	1814	136.2	0
	4/30/2022 11:27	24	1.867	37	107.56	34000	1816	136.5	0
	4/30/2022 12:27	24	1.867	37	109.71	38000	1794	136.8	0
	4/30/2022 13:27	24	1.867	38	105.41	44000	1806	137.1	0
	4/30/2022 14:26	24	1.867	38	107.56	44000	1807	137.5	0
	4/30/2022 15:26	25	1.867	37	107.56	46000	1786	137.9	0
	4/30/2022 16:26	25	1.867	37	105.41	46000	1798	138.2	0
	4/30/2022 17:26	25	1.867	37	107.56	42000	1806	138.6	0
	4/30/2022 18:26	24	1.867	37	107.56	36000	1803	138.9	0
	4/30/2022 19:26	23	1.867	37	109.71	32000	1795	139.1	0
	4/30/2022 20:26	22	1.867	37	109.71	28000	1798	139.4	0
	4/30/2022 21:25	21	1.867	37	114.01	22000	1809	139.5	0
	4/30/2022 22:25	22	1.867	36	114.01	22000	1798	139.7	0
	4/30/2022 23:25	22	1.867	36	111.86	24000	1814	139.9	0
	5/1/2022 0:25	23	1.867	36	109.71	22000	1792	140.1	0
	5/1/2022 1:25	19	1.867	39	107.56	24000	1793	140.3	0
	5/1/2022 2:25	24	1.867	34	109.71	22000	1788	140.5	0
	5/1/2022 3:25	24	1.867	34	107.56	20000	1816	140.6	0
	5/1/2022 4:24	24	1.867	34	105.41	20000	1815	140.8	0
	5/1/2022 5:24	24	1.867	34	107.56	20000	1813	141.0	0
	5/1/2022 6:24	25	1.867	34	105.41	20000	1815	141.1	0
	5/1/2022 7:24	24	1.867	34	105.41	20000	1805	141.3	0
	5/1/2022 8:24	24	1.867	35	107.56	22000	1814	141.5	0
	5/1/2022 9:24	23	1.867	36	109.71	28000	1787	141.7	0
	5/1/2022 10:24	25	1.867	36	105.41	34000	1798	142.0	0
	5/1/2022 11:23	27	1.867	35	101.11	40000	1817	142.3	0
	5/1/2022 12:23	26	1.867	36	101.11	40000	1798	142.6	0
	5/1/2022 13:23	27	1.867	36	98.96	44000	1789	143.0	0
	5/1/2022 14:23	27	1.867	36	98.96	46000	1795	143.3	0
	5/1/2022 15:23	27	1.867	36	98.96	42000	1817	143.7	0
	5/1/2022 16:23	28	1.867	35	98.96	40000	1807	144.0	0
	5/1/2022 17:23	27	1.867	36	98.96	42000	1797	144.3	0
	5/1/2022 18:22	27	1.933	35	98.96	38000	1799	144.7	0
	5/1/2022 19:22	26	1.933	35	103.26	34000	1812	144.9	0
	5/1/2022 20:22	26	1.867	35	101.11	30000	1799	145.2	0
	5/1/2022 21:22	24	1.867	36	105.41	26000	1811	145.4	0
	5/1/2022 22:22	24	1.867	36	105.41	26000	1785	145.6	0
	5/1/2022 23:22	24	1.867	36	109.71	24000	1798	145.8	0
	5/2/2022 0:22	24	1.867	36	109.71	26000	1792	146.0	0
	5/2/2022 1:21	22	1.867	37	116.16	26000	1813	146.2	0
	5/2/2022 2:21	22	1.867	38	118.32	28000	1812	146.4	0
	5/2/2022 3:21	21	1.867	38	120.47	26000	1809	146.7	0
	5/2/2022 4:21	21	1.867	38	118.32	26000	1801	146.9	0
	5/2/2022 5:21	22	1.867	37	122.62	24000	1784	147.1	0
	5/2/2022 6:21	22	1.867	37	122.62	22000	1812	147.2	0
	5/2/2022 7:21	21	1.867	38	124.77	24000	1803	147.4	0
	5/2/2022 8:20	21	1.867	39	122.62	26000	1792	147.7	0
	5/2/2022 9:20	21	1.867	40	118.32	38000	1797	148.0	0
	5/2/2022 10:20	23	1.867	39	114.01	48000	1796	148.3	0
	5/2/2022 11:20	24	1.867	39	111.86	56000	1799	148.8	0
	5/2/2022 12:20	24	1.867	40	111.86	56000	1806	149.3	0
	5/2/2022 13:20	25	1.8	39	111.86	62000	1791	149.8	0
	5/2/2022 14:20	25	1.8	39	111.86	60000	1782	150.3	0
	5/2/2022 15:19	24	1.8	39	114.01	62000	1791	150.8	0
	5/2/2022 16:19	26	1.8	38	111.86	58000	1811	151.2	0
	5/2/2022 17:19	25	1.867	38	114.01	54000	1803	151.7	0
	5/2/2022 18:19	25	1.867	39	114.01	50000	1789	152.1	0
	5/2/2022 19:19	24	1.867	38	114.01	46000	1797	152.4	0
	5/2/2022 20:19	24	1.867	38	114.01	36000	1807	152.7	0
	5/2/2022 21:19	23	1.867	38	116.16	34000	1813	153.0	0



CLEAR FORK
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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/2/2022 22:18	22	1.867	38	118.32	30000	1815	153.3	0
	5/2/2022 23:18	22	1.867	37	120.47	22000	1791	153.4	0
	5/3/2022 0:18	22	1.867	37	120.47	24000	1809	153.6	0
	5/3/2022 1:18	22	1.867	37	118.32	20000	1804	153.8	0
	5/3/2022 2:18	22	1.867	36	116.16	18000	1792	153.9	0
	5/3/2022 3:18	22	1.867	35	116.16	12000	1802	154.0	0
	5/3/2022 4:18	22	1.867	35	118.32	12000	1804	154.1	0
	5/3/2022 5:17	22	1.867	34	118.32	6000	1799	154.2	0
	5/3/2022 6:17	22	1.867	34	116.16	4000	1811	154.2	0
	5/3/2022 7:17	22	1.867	34	114.01	4000	1798	154.3	0
	5/3/2022 8:17	21	1.867	35	114.01	10000	1816	154.3	0
	5/3/2022 9:17	21	1.867	36	109.71	14000	1790	154.4	0
	5/3/2022 10:17	22	1.867	36	109.71	22000	1783	154.6	0
	5/3/2022 11:17	24	1.867	36	107.56	28000	1792	154.9	0
	5/3/2022 12:16	25	1.867	36	101.11	34000	1794	155.1	0
	5/3/2022 13:16	26	1.867	36	98.96	44000	1790	155.5	0
	5/3/2022 14:16	26	1.867	36	101.11	42000	1794	155.8	0
	5/3/2022 15:16	25	1.867	36	101.11	38000	1813	156.1	0
	5/3/2022 16:16	25	1.867	36	101.11	36000	1793	156.4	0
	5/3/2022 17:16	25	1.867	36	101.11	34000	1799	156.7	0
	5/3/2022 18:16	25	1.867	36	103.26	34000	1813	157.0	0
	5/3/2022 19:15	26	1.867	35	101.11	32000	1799	157.2	0
	5/3/2022 20:15	24	1.867	36	101.11	30000	1792	157.5	0
	5/3/2022 21:15	24	1.867	36	101.11	26000	1816	157.7	0
	5/3/2022 22:15	24	1.867	36	101.11	26000	1791	157.9	0
	5/3/2022 23:15	25	1.867	35	98.96	28000	1805	158.1	0
	5/4/2022 0:15	25	1.867	35	98.96	28000	1800	158.4	0
	5/4/2022 1:15	26	1.867	35	101.11	28000	1804	158.6	0
	5/4/2022 2:14	25	1.867	35	101.11	24000	1817	158.8	0
	5/4/2022 3:14	25	1.867	35	103.26	26000	1796	159.0	0
	5/4/2022 4:14	26	1.867	35	103.26	26000	1802	159.2	0
	5/4/2022 5:14	25	1.867	35	103.26	24000	1807	159.4	0
	5/4/2022 6:14	25	1.867	35	105.41	26000	1793	159.6	0
	5/4/2022 7:14	24	1.867	35	105.41	26000	1783	159.8	0
	5/4/2022 8:14	25	1.867	35	103.26	28000	1814	160.1	0
	5/4/2022 9:13	26	1.867	36	101.11	32000	1813	160.3	0
	5/4/2022 10:13	28	1.867	35	96.8	44000	1808	160.7	0
	5/4/2022 11:13	26	1.867	36	101.11	46000	1786	161.0	0
	5/4/2022 12:13	26	1.867	36	101.11	44000	1806	161.4	0
	5/4/2022 13:13	26	1.867	36	98.96	44000	1806	161.8	0
	5/4/2022 14:13	27	1.867	35	98.96	44000	1787	162.1	0
	5/4/2022 15:13	27	1.867	35	96.8	44000	1802	162.5	0
	5/4/2022 16:12	27	1.867	35	96.8	42000	1791	162.8	0
	5/4/2022 17:12	27	1.867	35	96.8	42000	1800	163.2	0
	5/4/2022 18:12	26	1.867	35	96.8	42000	1795	163.5	0
	5/4/2022 19:12	27	1.867	35	96.8	40000	1799	163.8	0
	5/4/2022 20:12	26	1.867	35	98.96	32000	1803	164.1	0
	5/4/2022 21:12	25	1.867	35	98.96	28000	1786	164.3	0
	5/4/2022 22:12	25	1.867	35	101.11	26000	1791	164.5	0
	5/4/2022 23:11	24	1.867	35	101.11	24000	1790	164.7	0
	5/5/2022 0:11	23	1.867	36	103.26	22000	1804	164.9	0
	5/5/2022 1:11	24	1.867	35	101.11	18000	1813	165.0	0
	5/5/2022 2:11	24	1.867	34	103.26	18000	1802	165.2	0
	5/5/2022 3:11	24	1.867	33	105.41	18000	1788	165.3	0
	5/5/2022 4:11	25	1.867	33	103.26	12000	1805	165.4	0
	5/5/2022 5:11	23	1.867	33	103.26	10000	1795	165.5	0
	5/5/2022 6:10	25	1.867	32	103.26	6000	1800	165.6	0
	5/5/2022 7:10	25	1.867	32	101.11	8000	1794	165.6	0
	5/5/2022 8:10	25	1.867	33	101.11	12000	1803	165.7	0
	5/5/2022 9:10	23	1.867	35	98.96	22000	1781	165.9	0
	5/5/2022 10:10	26	1.867	34	96.8	28000	1798	166.1	0
	5/5/2022 11:10	28	1.867	33	90.35	34000	1802	166.4	0
	5/5/2022 12:10	28	1.867	34	88.2	42000	1805	166.8	0
	5/5/2022 13:09	28	1.867	35	88.2	42000	1807	167.1	0
	5/5/2022 14:09	29	1.867	34	90.35	46000	1805	167.5	0
	5/5/2022 15:09	29	1.867	34	90.35	46000	1799	167.8	0
	5/5/2022 16:09	28	1.867	34	92.5	44000	1803	168.2	0
	5/5/2022 17:09	28	1.867	34	90.35	42000	1812	168.5	0
	5/5/2022 18:09	28	1.867	34	90.35	40000	1785	168.9	0
	5/5/2022 19:09	28	1.867	33	90.35	32000	1814	169.1	0
	5/5/2022 20:08	27	1.867	33	94.65	26000	1805	169.3	0
	5/5/2022 21:08	24	1.867	34	96.8	20000	1794	169.5	0
	5/5/2022 22:08	25	1.867	33	98.96	18000	1804	169.7	0



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Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H ₂ O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/5/2022 23:08	24	1.867	33	101.11	12000	1804	169.7	0
	5/6/2022 0:08	23	1.867	33	101.11	10000	1807	169.8	0
	5/6/2022 1:08	24	1.867	33	103.26	10000	1783	169.9	0
	5/6/2022 2:08	25	1.867	32	101.11	10000	1818	170.0	0
	5/6/2022 3:07	25	1.867	33	96.8	18000	1792	170.1	0
	5/6/2022 4:07	25	1.867	33	96.8	20000	1784	170.3	0
	5/6/2022 5:07	27	1.867	31	96.8	14000	1799	170.4	0
	5/6/2022 6:07	25	1.867	31	98.96	10000	1802	170.5	0
	5/6/2022 7:07	25	1.867	31	94.65	10000	1797	170.6	0
	5/6/2022 8:07	27	1.867	32	86.05	18000	1791	170.7	0
	5/6/2022 9:07	30	1.867	31	81.75	32000	1788	171.0	0
	5/6/2022 10:06	30	1.867	32	79.59	44000	1817	171.3	0
	5/6/2022 11:06	31	1.867	32	81.75	50000	1791	171.7	0
	5/6/2022 12:06	31	1.867	32	83.9	54000	1810	172.2	0
	5/6/2022 13:06	31	1.867	33	83.9	56000	1808	172.6	0
	5/6/2022 14:06	31	1.867	33	83.9	58000	1796	173.1	0
	5/6/2022 15:06	32	1.867	33	86.05	58000	1795	173.6	0
	5/6/2022 16:06	31	1.867	33	88.2	56000	1811	174.0	0
	5/6/2022 17:05	31	1.867	33	88.2	52000	1813	174.5	0
	5/6/2022 18:05	30	1.867	33	88.2	52000	1803	174.9	0
	5/6/2022 19:05	30	1.867	33	88.2	46000	1817	175.3	0
	5/6/2022 20:05	30	1.933	32	86.05	36000	1789	175.6	0
	5/6/2022 21:05	28	1.933	33	90.35	28000	1797	175.8	0
	5/6/2022 22:05	27	1.867	33	90.35	22000	1801	176.0	0
	5/6/2022 23:05	26	1.933	33	90.35	18000	1785	176.1	0
	5/7/2022 0:04	26	1.867	33	94.65	20000	1813	176.3	0
	5/7/2022 1:04	25	1.867	33	94.65	20000	1800	176.4	0
	5/7/2022 2:04	25	1.867	33	96.8	20000	1813	176.6	0
	5/7/2022 3:04	25	1.867	33	96.8	18000	1797	176.7	0
	5/7/2022 4:04	26	1.867	32	96.8	14000	1808	176.9	0
	5/7/2022 5:04	25	1.867	32	96.8	12000	1816	177.0	0
	5/7/2022 6:04	25	1.867	32	96.8	12000	1806	177.0	0
	5/7/2022 7:03	26	1.867	32	94.65	16000	1792	177.2	0
	5/7/2022 8:03	26	1.867	33	86.05	24000	1782	177.4	0
	5/7/2022 9:03	28	1.867	33	83.9	38000	1797	177.7	0
	5/7/2022 10:03	30	1.8	33	83.9	50000	1794	178.1	0
	5/7/2022 11:03	31	1.8	33	83.9	56000	1792	178.5	0
	5/7/2022 12:03	31	1.8	33	83.9	64000	1815	179.1	0
	5/7/2022 13:03	31	1.8	33	88.2	68000	1786	179.6	0
	5/7/2022 14:02	31	1.8	33	92.5	68000	1811	180.2	0
	5/7/2022 15:02	32	1.8	33	88.2	68000	1819	180.7	0
	5/7/2022 16:02	32	1.8	33	90.35	68000	1792	181.3	0
	5/7/2022 17:02	32	1.8	33	90.35	64000	1817	181.8	0
	5/7/2022 18:02	30	1.867	33	90.35	56000	1799	182.3	0
	5/7/2022 19:02	31	1.867	33	90.35	54000	1806	182.7	0
	5/7/2022 20:02	30	1.867	33	90.35	44000	1806	183.0	0
	5/7/2022 21:01	29	1.867	33	90.35	38000	1810	183.4	0
	5/7/2022 22:01	28	1.867	33	90.35	32000	1805	183.6	0
	5/7/2022 23:01	28	1.867	33	90.35	32000	1811	183.9	0
	5/8/2022 0:01	28	1.867	33	90.35	30000	1810	184.1	0
	5/8/2022 1:01	27	1.867	33	92.5	28000	1812	184.3	0
	5/8/2022 2:01	27	1.867	33	90.35	30000	1808	184.6	0
	5/8/2022 3:01	27	1.867	33	92.5	26000	1809	184.8	0
	5/8/2022 4:00	26	1.867	33	94.65	24000	1807	185.0	0
	5/8/2022 5:00	26	1.867	33	96.8	18000	1776	185.1	0
	5/8/2022 6:00	26	1.867	33	94.65	18000	1802	185.3	0
	5/8/2022 7:00	25	1.867	34	90.35	24000	1796	185.5	0
	5/8/2022 8:00	27	1.867	33	88.2	30000	1797	185.7	0
	5/8/2022 9:00	28	1.867	34	88.2	42000	1788	186.1	0
	5/8/2022 10:00	29	1.867	34	88.2	50000	1797	186.5	0
	5/8/2022 10:59	29	1.867	34	88.2	56000	1800	186.9	0
	5/8/2022 11:59	31	1.867	33	88.2	56000	1789	187.4	0
	5/8/2022 12:59	32	1.867	33	86.05	64000	1803	187.9	0
	5/8/2022 13:59	31	1.8	33	88.2	66000	1806	188.4	0
	5/8/2022 14:59	31	1.8	33	88.2	68000	1800	189.0	0
	5/8/2022 15:59	31	1.867	33	88.2	66000	1798	189.5	0
	5/8/2022 16:59	31	1.867	33	88.2	56000	1790	190.0	0
	5/8/2022 17:58	31	1.867	33	88.2	52000	1790	190.4	0
	5/8/2022 18:58	30	1.867	33	88.2	52000	1810	190.8	0
	5/8/2022 19:58	29	1.867	33	90.35	40000	1801	191.2	0
	5/8/2022 20:58	30	1.867	32	88.2	40000	1800	191.5	0
	5/8/2022 21:58	30	1.867	32	88.2	36000	1804	191.8	0
	5/8/2022 22:58	29	1.933	32	86.05	30000	1801	192.0	0


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TABLE 2 - Controller Datapoint Summary

 Energy Transfer Site
 Monument, NM

ENGINE DATA - MDPE Event Summary - April 11 to May 11, 2022 (30 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H ₂ O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1	5/8/2022 23:58	29	1.933	32	88.2	30000	1805	192.3	0
	5/9/2022 0:57	28	1.867	33	88.2	32000	1786	192.5	0
	5/9/2022 1:57	29	1.933	32	88.2	30000	1814	192.8	0
	5/9/2022 2:57	29	1.933	32	88.2	28000	1802	193.0	0
	5/9/2022 3:57	28	1.867	33	88.2	26000	1800	193.2	0
	5/9/2022 4:57	27	1.867	33	90.35	24000	1800	193.4	0
	5/9/2022 5:57	27	1.867	32	90.35	22000	1807	193.6	0
	5/9/2022 6:57	27	1.867	32	92.5	20000	1795	193.7	0
	5/9/2022 7:56	26	1.867	33	88.2	24000	1779	193.9	0
	5/9/2022 8:56	29	1.867	33	86.05	36000	1805	194.2	0
	5/9/2022 9:56	29	1.867	33	86.05	44000	1799	194.6	0
	5/9/2022 10:56	30	1.867	33	86.05	56000	1790	195.0	0
	5/9/2022 11:56	31	1.8	33	86.05	56000	1793	195.5	0
	5/9/2022 12:56	31	1.8	33	86.05	60000	1816	196.0	0
	5/9/2022 13:56	31	1.8	33	86.05	66000	1811	196.5	0
	5/9/2022 14:55	31	1.8	33	86.05	68000	1794	197.1	0
	5/9/2022 15:55	32	1.867	33	86.05	64000	1807	197.6	0
	5/9/2022 16:55	31	1.867	32	86.05	60000	1791	198.1	0
	5/9/2022 17:55	31	1.867	32	86.05	54000	1802	198.5	0
	5/9/2022 18:55	31	1.867	32	86.05	48000	1802	198.9	0
	5/9/2022 19:55	31	1.867	32	86.05	40000	1810	199.2	0
	5/9/2022 20:55	29	1.933	32	86.05	30000	1803	199.5	0
	5/9/2022 21:54	28	1.867	32	86.05	30000	1786	199.7	0
	5/9/2022 22:54	28	1.867	32	90.35	24000	1787	199.9	0
	5/9/2022 23:54	27	1.867	32	90.35	22000	1799	200.1	0
	5/10/2022 0:54	27	1.867	32	90.35	18000	1804	200.3	0
	5/10/2022 1:54	26	1.867	33	90.35	22000	1801	200.4	0
	5/10/2022 2:54	28	1.933	32	88.2	22000	1800	200.6	0
	5/10/2022 3:54	27	1.867	32	88.2	22000	1795	200.8	0
	5/10/2022 4:53	26	1.867	33	92.5	18000	1786	200.9	0
	5/10/2022 5:53	26	1.867	32	92.5	18000	1801	201.1	0
	5/10/2022 6:53	24	1.867	35	98.96	22000	1785	201.3	0
	5/10/2022 7:53	26	1.867	35	96.8	30000	1789	201.5	0
	5/10/2022 8:53	27	1.867	35	96.8	34000	1793	201.8	0
	5/10/2022 9:53	26	1.867	36	96.8	44000	1787	202.1	0
	5/10/2022 10:53	28	1.867	35	94.65	50000	1797	202.5	0
	5/10/2022 11:52	28	1.867	36	94.65	54000	1810	203.0	0
	5/10/2022 12:52	29	1.867	35	94.65	60000	1786	203.5	0
	5/10/2022 13:52	29	1.867	35	94.65	54000	1814	203.9	0
	5/10/2022 14:52	29	1.867	35	94.65	54000	1787	204.3	0
	5/10/2022 15:52	30	1.867	34	94.65	54000	1788	204.8	0
	5/10/2022 16:52	29	1.867	34	92.5	46000	1804	205.2	0
	5/10/2022 17:52	29	1.933	34	92.5	38000	1803	205.5	0
	5/10/2022 18:51	28	1.933	33	92.5	28000	1798	205.7	0
	5/10/2022 19:51	27	1.933	34	92.5	24000	1798	205.9	0
	5/10/2022 20:51	27	1.933	34	94.65	26000	1787	206.1	0
	5/10/2022 21:51	26	1.933	35	94.65	26000	1795	206.3	0
	5/10/2022 22:51	27	1.933	34	96.8	24000	1813	206.5	0
	5/10/2022 23:51	25	1.933	35	96.8	20000	1794	206.7	0
	5/11/2022 0:51	26	1.933	34	96.8	22000	1793	206.9	0
	5/11/2022 1:50	26	1.933	34	96.8	20000	1787	207.0	0
	5/11/2022 2:50	26	1.933	34	94.65	20000	1808	207.2	0
	5/11/2022 3:50	25	1.933	34	96.8	18000	1810	207.3	0
	5/11/2022 4:50	26	1.933	34	96.8	20000	1792	207.5	0
	5/11/2022 5:50	26	1.933	34	96.8	18000	1813	207.6	0
	5/11/2022 6:50	26	1.933	34	94.65	20000	1806	207.8	0
	5/11/2022 7:50	24	1.933	35	98.96	22000	1787	208.0	0
	5/11/2022 8:49	26	1.933	34	94.65	28000	1801	208.2	0
	5/11/2022 9:49	28	1.867	34	92.5	38000	1788	208.5	0
	5/11/2022 10:49	29	1.867	34	90.35	42000	1806	208.9	0
	5/11/2022 11:49	29	1.867	34	90.35	52000	1814	209.3	0
	5/11/2022 12:49	17	1.933	46	81.75	44000	1792	209.6	0
2022 Event 1	Total Run Hours	Operation Date Ranges		Average Well Flow	Average Well Vacuum	Average BTUs	Vapor Recovery		
	719 Hours	April 11 to May 11, 2022		42.01	139.05	35812.50	209.60		
	719 Hours	(See TABLE 5 for Calculations)					209.6 (gallons) vapor		

TABLE 3 - Cumulative Elevation Table**Energy Transfer Site
Monument, TX****MDPE Event - April 11-May 11, 2022**

Well	Date	Event Duration on Well	Depth to LNAPL (feet)	Depth to Groundwater (feet)	LNAPL Thickness (feet)	Stinger Depth (feet)	Change in Elevation (feet)
SVE-1	4/19/2021	---	52.54	54.61	2.07	54.36	---
	7/13/2021	---	54.03	54.04	0.01	54.50	-1.49
	8/10/2021	63 Days		Well is Dry		---	
	9/13/2021	---	53.21	53.70	0.49	---	-0.67
	11/5/2021	91 Days		Well is Dry		54.50	-1.96
	4/11/2022	---	53.15	54.25	1.10	---	
	5/11/2022	30 Days		Well is Dry		54.50	-1.35
SVE-2	4/19/2021	---		Well is Dry		---	---
	7/13/2021	---		Well is Dry		---	---
	8/10/2021	---		Well is Dry		---	---
	9/13/2021	---		Well is Dry		---	---
	11/5/2021	---		Well is Dry		---	---
	4/11/2022						
SVE-3	4/19/2021	---	52.82	53.85 (TD) No GW	1.03	---	---
	7/13/2021	---	53.44	53.76 (TD) No GW	0.32	---	-0.62
	8/10/2021	---	53.48	53.76 (TD) No GW	0.28	---	-0.66
	9/13/2021	---	53.25	53.76 (TD) No GW	0.51	---	-0.43
	11/5/2021	---	53.55	53.76 (TD) No GW	0.21	---	-0.73

TABLE 4 - Hydrocarbon Recovery Summary-Laboratory
April 11 to May 11, 2022
Energy Transfer Site
Monument, New Mexico

SVE-1

Vapor Phase Recovery:

Pounds of recovered hydrocarbon per day = flow rate (cfm) X concentration (ppm_v) X Unit Conversion

where: CFM = cubic feet per minute
PPM = parts per million

	<u>Influent-April 11</u>	<u>Influent-May 11</u>		
Flow Rate (cfm):	42.00	42.00	cfm (Engine Well Flow Average)	
Concentration (ppm):	10,400	1,490	ppmv (Gasoline Range Organics)	
Unit Conversion (constant):	0.00036	0.00036	{[(0.25 lb/cubic ft) X (1440 min/day)]/10 ⁶ }	
Mass Vapor Recovery Rate:	157.248	22.529	lbs TPH/day	
Mass Vapor Recovery Period:	14.980	14.980	29.96 days (719 hours runtime)	719 hours (719 / 24 = 29.96 days)
Mass Vapor Recovery Pounds:	2,355.58	337.48	lbs of TPH	29.96 days / 2 Influent samples = 14.98 days
Mass Vapor Recovery:	392.60	56.25	gals. of gasoline [6 lbs. / gal.]	
Average Mass Vapor Recovery Rate:	89.888	average lbs TPH/day	(Average of Mass Recovery Rates above)	
Total Mass Vapor Recovery Period:	29.96	days (719 hours runtime)	(Sum of Mass Recovery Periods above)	
Total Mass Vapor Recovery:	2,693.06	lbs of TPH	(Sum of Vapor Recovery Pounds above)	
Mass Vapor Recovery Total:	448.84	gallons	(Sum of Mass Vapor Recovery above)	

**TABLE 5 - Hydrocarbon Recovery Summary-Laboratory/Controller
April 11 to May 11, 2022
Energy Transfer Site
Monument, New Mexico**

Laboratory Analytical Calculated Recovery (See TABLE 4)

Date	Average Mass Vapor Recovery Rate (Average lbs of TPH/day)	Total Mass Vapor Recovery Period (days)	Total Mass Vapor Recovery Period (hours)	Total Mass Vapor Recovery (lbs of TPH)	Total Mass Vapor Recovery (gallons)	
SVE-1 April 11 to May 11, 2022	89.888	29.960	719	2,693.06	448.84	
Totals:		29.96	719	2,693.06	<u>448.84</u>	Analytical Calculated Recovery

MDPE Unit Controller Datapoint Calculated Recovery (See TABLE 1, TABLE 2, TABLE 3)

	Average BTU/Hr <u>Engine 1</u>	Date	Recovery Period (hours)	Total btu/hr / event (vapor) <u>Engine 1</u>	Total lbs/event (vapor) <u>Engine 1</u>	Total gallons/event (vapor) <u>Engine 1</u>
SVE-1	35,812.50	April 11 to May 11, 2022	719	25,749,188	1,256	209
Totals:			719	25,749,188	1,256	<u>209</u>

Vapor Phase Recovery BTU Calculations:

average btu/hr X recovery period (hours) = btus/hr per event total / 20,500 (btu/hr energy for 1 lb of gasoline) = lbs per event / 6 (pounds per gallon of gasoline)

SVE-1 Engine 1 calc:

35812.50 btu/hr X 719 hours = 25,749,188 btu/hr per event / 20,500 = 1,256 lbs of gasoline as vapor / 6 (pounds per gallon of gasoline) = 209 gallons of vapor recovered for Engine

Gasoline calcs based on 6.0 pounds per gallon and 123,0000 btu/hr per gallon

TABLE 6 - Emission Calculations

Energy Transfer

Monument, NM

BENZENE CALCULATIONS

Benzene emissions = concentration (mg/m³) x 0.000001 (kg/mg) x 2.2 (lb/kg) x CFM x time (min.) x 0.0283 (m³/ft³)

where: CFM = cubic feet per minute

Flow Rate (70 cfm per engine):	70.00	cfm
Concentration (ppm):	1.1600	ppmv Benzene
Unit Conversion (constant):	<u>0.0000037</u>	0.000001 kg/mg x 2.2 lb/kg x 60 min. x 0.0283 m ³ /ft ³
Emissions Rate:	0.000300	lbs Benzene/hr

TPH CALCULATIONS

TPH emissions = concentration (mg/m³) x 0.000001 (kg/mg) x 2.2 (lb/kg) x CFM x time (min.) x 0.0283 (m³/ft³)

where: CFM = cubic feet per minute

Flow Rate (70 cfm per engine):	70.00	cfm
Concentration (ppm):	23.80	ppmv TPH
Unit Conversion (constant):	<u>0.0000037</u>	0.000001 kg/mg x 2.2 lb/kg x 60 min. x 0.0283 m ³ /ft ³
Emissions Rate:	0.006164	lbs TPH/hour

*- Reference **Table 2** - The total effluent air flow from engine is the summation of the "Air Flow" + "Fuel Flow" + "Well Flow" in a particular row on the tables. This average is estimated high at 70 scfm per engine. Therefore, a flow of 70 cfm is utilized for the calculation due to running one engine.

FIGURES

FIGURE 1A - Energy BTU per Hour
SVE-1 April 11 to May 11, 2022

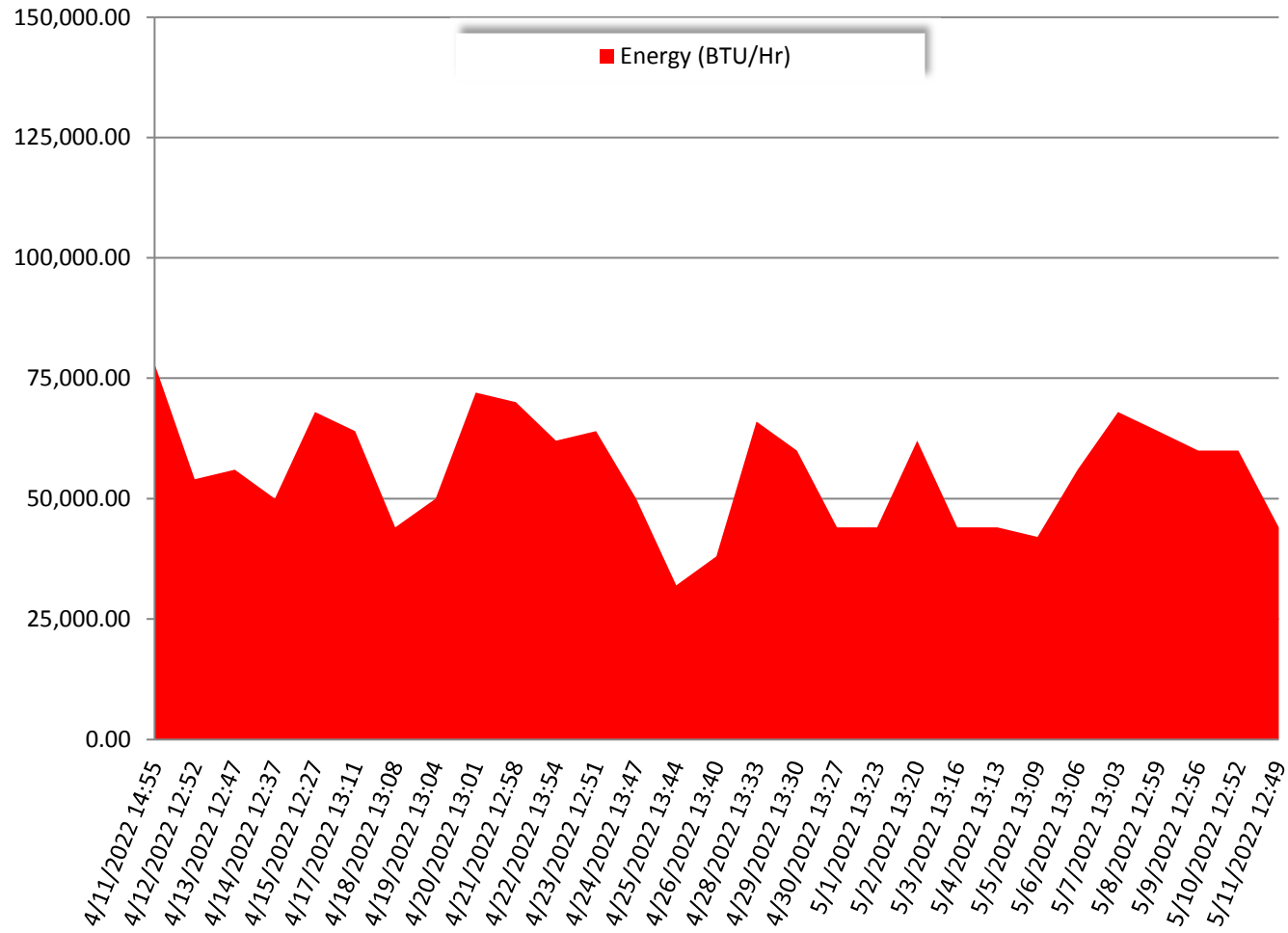
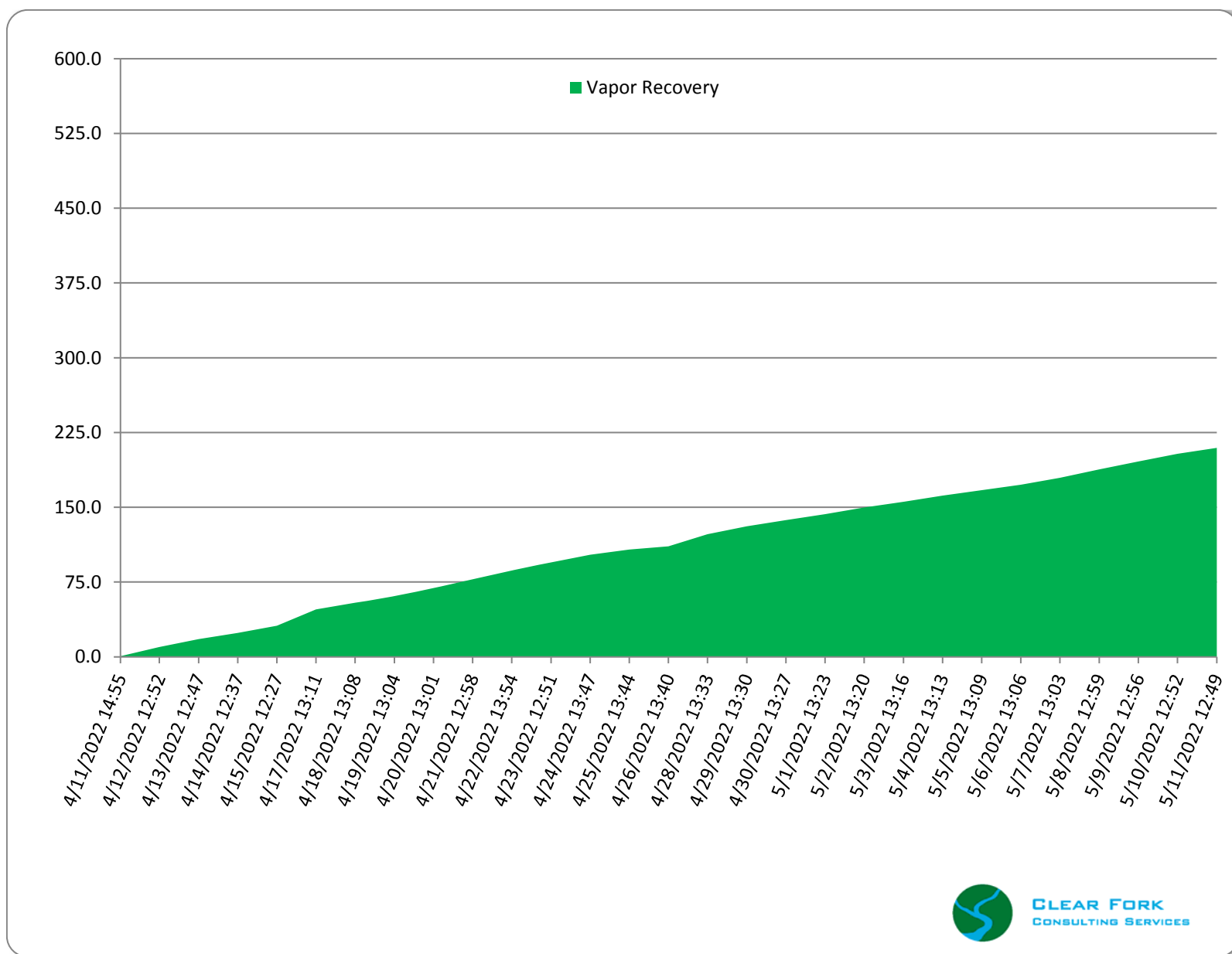


FIGURE 1B - Hydrocarbon Recovery (gallons)
SVE-1 April 11 to May 11, 2022



LABORATORY ANALYTICAL **REPORT**



CLEAR FORK
CONSULTING SERVICES



ANALYTICAL REPORT

April 25, 2022

Clear Fork Consulting Svcs - Ft. Worth

Sample Delivery Group: L1482317
Samples Received: 04/14/2022
Project Number: 80-029
Description:
Site: ETC-MONUMENT, NM SITE
Report To: John Hanley
PO Box 1327
Decatur, TX 76234

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
INFLUENT #1 - SVE-1 L1482317-01	5	
EFFLUENT L1482317-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Volatile Organic Compounds (MS) by Method M18-Mod	7	
Gl: Glossary of Terms	9	⁶ Qc
Al: Accreditations & Locations	10	⁷ Gl
Sc: Sample Chain of Custody	11	⁸ Al
		⁹ Sc

INFLUENT #1 - SVE-1 L1482317-01 Air

				Collected by John Hanley	Collected date/time 04/11/22 14:35	Received date/time 04/14/22 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1848520	800	04/14/22 21:59	04/14/22 21:59	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1849166	5000	04/15/22 21:19	04/15/22 21:19	DAH	Mt. Juliet, TN

EFFLUENT L1482317-02 Air

				Collected by John Hanley	Collected date/time 04/12/22 08:10	Received date/time 04/14/22 09:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1848520	20	04/14/22 21:18	04/14/22 21:18	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1849166	100	04/15/22 22:00	04/15/22 22:00	DAH	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 04/11/22 14:35

L1482317

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	160	511	4820	15400		800	WG1848520
Toluene	108-88-3	92.10	400	1510	36500	137000		800	WG1848520
Ethylbenzene	100-41-4	106	160	694	22200	96200		800	WG1848520
m&p-Xylene	1330-20-7	106	320	1390	77400	336000		800	WG1848520
o-Xylene	95-47-6	106	160	694	27100	117000		800	WG1848520
TPH (GC/MS) Low Fraction	8006-61-9	101	1000000	4130000	10400000	43000000		5000	WG1849166
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		120				WG1848520
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG1849166

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/12/22 08:10

L1482317

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	20.0	63.9	1160	3710		100	WG1849166
Toluene	108-88-3	92.10	10.0	37.7	1230	4630		20	WG1848520
Ethylbenzene	100-41-4	106	4.00	17.3	130	564		20	WG1848520
m&p-Xylene	1330-20-7	106	8.00	34.7	439	1900		20	WG1848520
o-Xylene	95-47-6	106	4.00	17.3	139	603		20	WG1848520
TPH (GC/MS) Low Fraction	8006-61-9	101	4000	16500	23800	98300		20	WG1848520
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG1848520
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.4				WG1849166

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method M18-Mod

L1482317-01,02

Method Blank (MB)

(MB) R3781370-3 04/14/22 10:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	96.0			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3781370-1 04/14/22 08:59 • (LCSD) R3781370-2 04/14/22 09:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	3.85	3.90	103	104	70.0-130			1.29	25
Toluene	3.75	3.96	3.90	106	104	70.0-130			1.53	25
Ethylbenzene	3.75	3.85	3.89	103	104	70.0-130			1.03	25
m&p-Xylene	7.50	7.75	7.79	103	104	70.0-130			0.515	25
o-Xylene	3.75	3.87	3.88	103	103	70.0-130			0.258	25
TPH (GC/MS) Low Fraction	203	215	218	106	107	70.0-130			1.39	25
(S) 1,4-Bromofluorobenzene				98.6	99.7	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3781507-3 04/15/22 10:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	94.2			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3781507-1 04/15/22 08:59 • (LCSD) R3781507-2 04/15/22 09:43

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	4.34	4.44	116	118	70.0-130			2.28	25
TPH (GC/MS) Low Fraction	203	240	245	118	121	70.0-130			2.06	25
(S) 1,4-Bromofluorobenzene				95.2	94.3	60.0-140				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
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Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

 CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here									
Company: CFCS, LP (Clear Fork)					Billing Information: same					ALL SHADED AREAS are for LAB USE ONLY									
Address: POB 1327										Container Preservative Type **					Lab Project Manager:				
Report To: John Hanley					Email To: jhanley@clear-fork.com					** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other									
Copy To:					Site Collection Info/Address:					Analyses									
Customer Project Name/Number: 80-029					State: County/City: Time Zone Collected: / [] PT [] MT [] CT [] ET					Lab Profile/Line:									
Phone: 817-808-8456		Site/Facility ID #: ETC - Monument, NM site			Compliance Monitoring? [] Yes [] No			Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present NA Collector Signature Present NA Bottles Intact NA Correct Bottles NA Sufficient Volume NA Samples Received on Ice NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: NA Sample pH Acceptable Y N NA pH Strips: NA Sulfide Present Y N NA Lead Acetate Strips: NA LAB USE ONLY: Lab Sample # / Comments: L11482317											
Email:		Purchase Order #: Quote #:			DW PWS ID #: DW Location Code:														
Collected By (print): John Hanley		Turnaround Date Required: Standard TAT			Immediately Packed on Ice: [] Yes [] No														
Collected By (signature):		Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)			Field Filtered (if applicable): [] Yes [] No														
Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold:					Analysis:														
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)										BTEX TPH GRO									
Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns											
			Date	Time	Date	Time													
Influent #1 - SVE-1	Air	Grab	4/11/22	2:35pm				1											
Effluent	Air	Grab	4/12/22	8:10am				1											
Customer Remarks / Special Conditions / Possible Hazards:										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A				
										Packing Material Used:					Lab Tracking #: 511744389458				
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier				
Relinquished by/Company: (Signature)			Date/Time: 4-13-22 11:20 am		Received by/Company: (Signature) Patricia Smith			Date/Time: 4/14/22 0945		J112 Acctnum: Template: Prelogin: PM: PB:									
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)			Date/Time:											
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)			Date/Time:											
Released to Imaging: 9/25/2023 4:55:56 PM										Trip Blank Received: Y N NA					Non Conformance(s): YES / NO				
										HCL MeOH TSP Other					Page: of:				



ANALYTICAL REPORT

May 22, 2022

Clear Fork Consulting Svcs - Ft. Worth

Sample Delivery Group: L1494251
Samples Received: 05/17/2022
Project Number:
Description: ETC Site Monument, NM

Report To: John Hanley
PO Box 1327
Decatur, TX 76234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
INFLUENT SVE-1 L1494251-01	5	⁴ Cn
Qc: Quality Control Summary	6	⁵ Sr
Volatile Organic Compounds (MS) by Method M18-Mod	6	
Gl: Glossary of Terms	7	⁶ Qc
Al: Accreditations & Locations	8	⁷ Gl
Sc: Sample Chain of Custody	9	⁸ Al
		⁹ Sc

INFLUENT SVE-1 L1494251-01 Air

Collected by
John Hanley

Collected date/time
05/11/22 12:45

Received date/time
05/17/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1865051	2000	05/18/22 00:08	05/18/22 00:08	FKG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Collected date/time: 05/11/22 12:45

L1494251

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	400	1280	3590	11500		2000	WG1865051
Toluene	108-88-3	92.10	1000	3770	14300	53900		2000	WG1865051
Ethylbenzene	100-41-4	106	400	1730	5300	23000		2000	WG1865051
m&p-Xylene	1330-20-7	106	800	3470	10800	46800		2000	WG1865051
o-Xylene	95-47-6	106	400	1730	3400	14700		2000	WG1865051
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	1490000	6160000		2000	WG1865051
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.7				WG1865051

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (MS) by Method M18-Mod

L1494251-01

Method Blank (MB)

(MB) R3793030-3 05/17/22 10:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	96.4			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3793030-1 05/17/22 09:21 • (LCSD) R3793030-2 05/17/22 09:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	4.06	4.00	108	107	70.0-130			1.49	25
Toluene	3.75	3.94	3.90	105	104	70.0-130			1.02	25
Ethylbenzene	3.75	4.03	4.01	107	107	70.0-130			0.498	25
m&p-Xylene	7.50	8.06	8.01	107	107	70.0-130			0.622	25
o-Xylene	3.75	3.96	3.94	106	105	70.0-130			0.506	25
TPH (GC/MS) Low Fraction	203	231	228	114	112	70.0-130			1.31	25
(S) 1,4-Bromofluorobenzene				98.1	98.3	60.0-140				

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Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

[illegible]



CLEAR FORK
CONSULTING SERVICES

November 28, 2022

**Re: High Vacuum Mobile Dual-Phase Extraction (MDPE)
14-Day MDPE event with off-gas abatement at:
Energy Transfer Site
Monument, NM**

Clear Fork Consulting Services (Clear Fork) utilized a Mobile Dual Phase Extraction (MDPE) system with a patented process consisting of a modified Internal Combustion Engine (ICE) with a high vacuum knockout tank to extract and destroy fuel hydrocarbons at the referenced site.

On August 29, 2022, Clear Fork initiated recovery operations at the site utilizing monitor wells SVE-1 and SVE-3 as the extraction wells during the fourteen (14) day recovery period. These specific wells were selected to maximize hydrocarbon recovery efforts during the event at the subject site. During the MDPE event the single engine operated at an average of 1,800 rpms. The engine computer utilizes built-in temperature and flow meters to measure and calculate vapor recovery within the subsurface. This recovery is measured and displayed in British thermal units (BTU) per hour. Using the measured BTU numbers during the event, it was determined that the MDPE system extracted and destroyed approximately 65.5 gallons of phase-separated hydrocarbons (PSH) extracted as vapor and 2.0 gallons of PSH extracted as liquid from the site from August 29 to September 12, 2022.

Three (3) influent air samples were collected from the extraction wells during the recovery events for the purpose of laboratory analysis of the influent vapor stream. The Influent samples ranged from reported concentrations from a TPH/GRO (C6-C10) of 1,340 to 1,640 ppmv within SVE-1/SVE-3. The air samples are collected as required by some state regulatory agencies and can aid in determining the exact gases recovered within the subsurface. However, it should be noted that the samples collected during this event only represented a snapshot of the vapor stream during the fourteen (14) day event. The BTU calculation within the controller calculates the recovery continuously and is more representative of the actual recovery rates and totals. The controller collected a snapshot of the recovery every sixty (60) minutes of the event over the course of the entire event. The laboratory analytical reports are attached to this correspondence along with BTU, GRO and TPH recovery table calculations and formulas. The results of this event are discussed below and are shown on the attached figures and tables.

Event #2 – August 29 to September 12, 2022 – 334 hours – SVE-1/SVE-3

From August 29 to September 12, 2022, monitor wells SVE-1 and SVE-3 were connected to the recovery system to initiate recovery at the site. A one (1) inch stinger was installed within the wells to aid in removing hydrocarbon vapors and liquids within the subsurface. During the recovery event, the stingers within SVE-1 and SVE-3 were lowered to the total depth of the wells. During Event#2 the single engine operated at an average of 1,800 rpms

CFCSS, LP
P.O. BOX 1327 DECATUR, TX 76234
PHONE 940-626-8088

destroying 67.5 gallons of phase-separated hydrocarbons (PSH) extracted as liquid and vapor. Recovered fluids were pumped into a 250-barrel steel holding tank while the vapors were consumed and burned by the internal combustion engine.

In conclusion, **67.5 gallons of PSH** (65.5 vapor / 2.0 liquid) were removed from the subsurface of the site while maintaining off-gas emissions at <1 lb. per event.

The following information is included as attachments to this report:

TABLES

- TABLE 1 – Cumulative Event Totals Summary
- TABLE 2 – Engine Controller Datapoint Summary
- TABLE 3 – Cumulative Groundwater Elevations
- TABLE 4 – Hydrocarbon Recovery Summary (Laboratory Calcs)
- TABLE 5 – Hydrocarbon Recovery Totals (Lab Calcs / Controller Calcs)

FIGURES

- TABLE 1A/1B – Engine BTU per Hour / Vapor Hydrocarbon Recovery

LABORATORY ANALYTICAL REPORTS

We appreciate the opportunity to be of service to you on this project. If we can be of further assistance, please contact Clear Fork at (940) 626-8088.

Sincerely,

CFGS, LP



John Hanley
Project Manager

TABLES



CLEAR FORK
CONSULTING SERVICES

Table 1 - Cumulative Event Totals**Energy Transfer Site
Monument, TX****MDPE Event -August 29 to September 12, 2022**

Duration (hours)	Date	Well Connections	LNAPL Recovery (gallons)	Vapor Recovery (gallons)	Total NAPL Recovery (gallons)	Average Well Flows (scfm)	Average Well Vacuum (In. H₂O)	Groundwater Recovery (gallons)
<u>Engine 1</u>	<u>2020</u>							
336.25	April 21-May 5, 2020	SVE-1, SVE-3	22.5	299.9	322.4	17.6	172.0	154.0
334.00	May 5-May 19, 2020	SVE-1, SVE-2, SVE-3	2.0	224.9	226.9	27.9	110.9	305.0
<u>Engine 2</u>								
336.25	April 21-May 5, 2020	SVE-1, SVE-3	22.5	297.1	319.6	19.2	172.4	154.0
<u>Engine</u>	<u>2021</u>							
2,188.00	April 19-November 5, 2021	SVE-1	128.0	986.4	1,114.4	26.8	158.4	599.0
<u>Engine</u>	<u>2022</u>							
719.00	April 11-May 11, 2022	SVE-1	22.1	209.6	231.7	42.0	139.1	0.0
<u>Engine</u>								
334.00	August 29-September 12, 2022	SVE-1, SVE-3	2.0	65.5	67.5	62.8	99.9	8.0
4,247.5		Totals	199.1	2,083.4	<u>2,282.5</u>	32.7	142.1	1,220.0

*- Frac Tank gauged prior to event to determine total LNAPL and total Groundwater recovered.

**- Frac Tank Demensions (no strapping chart) = rectangle = 13.0' W / 9.36' H / 22.0' L - 20,025 US gallon capacity



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - August 29 to September 12, 2022 (14 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1, SVE-3	8/29/2022 14:04	61	2	0	0	0	1799	0.0	0
	8/29/2022 15:04	26	2.4	55	116.16	24000	1814	0.2	0
	8/29/2022 16:03	22	2.333	55	126.92	36000	1784	0.5	0
	8/29/2022 17:03	19	2.2	57	131.22	48000	1786	0.9	0
	8/29/2022 18:03	12	2.2	60	137.68	48000	1792	1.3	0
	8/29/2022 19:03	3	2.267	72	122.62	40000	1820	1.6	0
	8/29/2022 20:03	0	2.267	77	120.47	40000	1775	1.9	0
	8/29/2022 21:03	0	2.2	81	120.47	46000	1804	2.3	0
	8/29/2022 22:03	0	2.133	85	120.47	48000	1781	2.7	0
	8/29/2022 23:02	0	2.067	87	122.62	46000	1781	3.1	0
	8/30/2022 0:02	0	2	88	126.92	52000	1798	3.5	0
	8/30/2022 1:02	0	2	90	124.77	50000	1797	3.9	0
	8/30/2022 2:02	0	1.933	84	109.71	42000	1815	4.2	0
	8/30/2022 3:02	0	1.933	81	103.26	40000	1791	4.6	0
	8/30/2022 4:02	0	1.933	80	103.26	38000	1800	4.9	0
	8/30/2022 5:02	0	1.933	77	94.65	36000	1774	5.2	0
	8/30/2022 6:01	0	1.933	76	101.11	34000	1805	5.4	0
	8/30/2022 7:01	0	1.867	74	96.8	32000	1806	5.7	0
	8/30/2022 8:01	0	1.867	74	101.11	36000	1795	6.0	0
	8/30/2022 9:01	0	1.867	73	96.8	34000	1814	6.3	0
	8/30/2022 10:01	0	1.867	72	96.8	36000	1787	6.6	0
	8/30/2022 11:01	0	1.867	72	98.96	36000	1815	6.8	0
	8/30/2022 12:01	0	1.867	71	98.96	38000	1790	7.2	0
	8/30/2022 13:00	0	1.867	71	101.11	32000	1803	7.4	0
	8/30/2022 14:00	0	1.8	70	101.11	34000	1816	7.7	0
	8/30/2022 15:00	0	1.867	70	103.26	40000	1813	8.0	0
	8/30/2022 16:00	0	1.867	68	103.26	34000	1784	8.3	0
	8/30/2022 17:00	0	1.867	69	105.41	28000	1777	8.5	0
	8/30/2022 18:00	0	1.867	68	107.56	28000	1812	8.7	0
	8/30/2022 19:00	0	1.8	67	105.41	26000	1791	9.0	0
	8/30/2022 19:59	0	1.867	68	109.71	24000	1799	9.2	0
	8/30/2022 20:59	0	1.8	67	111.86	24000	1775	9.3	1
	8/30/2022 21:59	0	1.867	67	111.86	22000	1799	9.5	1
	8/30/2022 22:59	0	1.8	66	114.01	20000	1812	9.7	1
	8/30/2022 23:59	0	1.8	66	114.01	20000	1809	9.9	1
	8/31/2022 0:59	0	1.8	66	118.32	20000	1803	10.0	1
	8/31/2022 1:59	0	1.867	66	120.47	20000	1810	10.2	1
	8/31/2022 2:58	0	1.8	66	120.47	18000	1800	10.3	1
	8/31/2022 3:58	0	1.8	66	118.32	20000	1812	10.5	1
	8/31/2022 4:58	0	1.8	65	118.32	20000	1792	10.7	1
	8/31/2022 5:58	0	1.8	65	120.47	18000	1803	10.8	1
	8/31/2022 6:58	0	1.8	66	120.47	18000	1814	10.9	1
	8/31/2022 7:58	0	1.8	66	118.32	20000	1806	11.1	1
	8/31/2022 8:58	0	1.8	66	116.16	24000	1789	11.3	1
	8/31/2022 9:57	0	1.8	66	118.32	26000	1801	11.5	1
	8/31/2022 10:57	0	1.867	65	114.01	24000	1787	11.7	1
	8/31/2022 11:57	0	1.8	65	114.01	26000	1779	11.9	1
	8/31/2022 12:57	0	1.8	66	116.16	24000	1796	12.1	1
	8/31/2022 13:57	0	1.8	65	111.86	26000	1816	12.3	1
	8/31/2022 14:57	0	1.867	66	109.71	22000	1790	12.5	1
	8/31/2022 15:57	0	1.8	65	105.41	28000	1804	12.7	1
	8/31/2022 16:56	0	1.8	66	105.41	32000	1784	13.0	1
	8/31/2022 17:56	0	1.8	65	101.11	26000	1791	13.2	1
	8/31/2022 18:56	0	1.8	64	103.26	26000	1794	13.4	1
	8/31/2022 19:56	0	1.8	64	103.26	22000	1792	13.6	1
	8/31/2022 20:56	0	1.8	64	103.26	18000	1808	13.7	1
	8/31/2022 21:56	0	1.8	64	105.41	18000	1792	13.9	1
	8/31/2022 22:56	0	1.8	64	105.41	20000	1815	14.0	1
	8/31/2022 23:55	0	1.8	64	103.26	18000	1804	14.2	1
	9/1/2022 0:55	0	1.8	64	101.11	18000	1827	14.3	1
	9/1/2022 1:55	0	1.867	64	103.26	16000	1809	14.5	1
	9/1/2022 2:55	0	1.8	64	105.41	18000	1789	14.6	1
	9/1/2022 3:55	0	1.8	64	103.26	18000	1813	14.8	1
	9/1/2022 4:55	0	1.8	64	103.26	20000	1792	14.9	1
	9/1/2022 5:55	0	1.8	64	103.26	18000	1785	15.1	1
	9/1/2022 6:54	0	1.8	63	103.26	18000	1809	15.2	1
	9/1/2022 7:54	0	1.8	64	103.26	18000	1806	15.4	1
	9/1/2022 8:54	0	1.867	64	103.26	18000	1794	15.5	1
	9/1/2022 9:54	0	1.8	64	101.11	20000	1808	15.7	1
	9/1/2022 10:54	0	1.8	65	101.11	24000	1806	15.9	1
	9/1/2022 11:54	0	1.8	63	98.96	26000	1810	16.1	1
	9/1/2022 12:54	0	1.8	64	98.96	26000	1821	16.3	1
	9/1/2022 13:53	0	1.8	65	98.96	32000	1822	16.6	1
	9/1/2022 14:53	0	1.8	64	98.96	28000	1787	16.8	1



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - August 29 to September 12, 2022 (14 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1, SVE-3	9/1/2022 15:53	0	1.867	64	98.96	26000	1813	17.0	1
	9/1/2022 16:53	0	1.8	63	96.8	26000	1802	17.2	2
	9/1/2022 17:53	0	1.867	64	101.11	24000	1817	17.4	2
	9/1/2022 18:53	0	1.8	63	96.8	24000	1796	17.6	2
	9/1/2022 19:53	0	1.8	63	98.96	22000	1795	17.8	2
	9/1/2022 20:52	0	1.8	63	96.8	20000	1812	17.9	2
	9/1/2022 21:52	0	1.8	63	98.96	20000	1820	18.1	2
	9/1/2022 22:52	0	1.8	64	101.11	20000	1788	18.3	2
	9/1/2022 23:52	0	1.8	63	101.11	20000	1784	18.4	2
	9/2/2022 0:52	0	1.8	63	98.96	18000	1798	18.6	2
	9/2/2022 1:52	0	1.8	63	101.11	20000	1812	18.7	2
	9/2/2022 2:52	0	1.8	63	101.11	18000	1802	18.9	2
	9/2/2022 3:51	0	1.8	62	98.96	18000	1791	19.0	2
	9/2/2022 4:51	0	1.8	63	101.11	18000	1781	19.2	2
	9/2/2022 5:51	0	1.8	63	101.11	16000	1805	19.3	2
	9/2/2022 6:51	0	1.8	62	101.11	18000	1781	19.4	2
	9/2/2022 7:51	0	1.8	62	101.11	18000	1814	19.6	2
	9/2/2022 8:51	0	1.8	64	98.96	26000	1793	19.8	2
	9/2/2022 9:51	0	1.8	64	98.96	28000	1786	20.0	2
	9/2/2022 10:50	0	1.867	65	98.96	32000	1782	20.3	2
	9/2/2022 11:50	0	1.8	65	96.8	42000	1784	20.6	2
	9/2/2022 12:50	0	1.8	65	96.8	42000	1806	21.0	2
	9/2/2022 13:50	1	1.8	64	94.65	42000	1795	21.3	2
	9/2/2022 14:50	0	1.8	64	94.65	44000	1792	21.7	2
	9/2/2022 15:50	0	1.8	64	94.65	40000	1796	22.0	2
	9/2/2022 16:50	0	1.8	63	92.5	40000	1784	22.3	2
	9/2/2022 17:49	0	1.8	63	94.65	36000	1791	22.6	2
	9/2/2022 18:49	0	1.8	62	92.5	32000	1782	22.9	2
	9/2/2022 19:49	0	1.8	62	92.5	26000	1817	23.1	2
	9/2/2022 20:49	0	1.8	62	92.5	22000	1802	23.3	2
	9/2/2022 21:49	0	1.867	62	96.8	18000	1799	23.4	2
	9/2/2022 22:49	0	1.8	62	96.8	18000	1812	23.6	2
	9/2/2022 23:49	0	1.8	62	98.96	16000	1786	23.7	2
	9/3/2022 0:48	0	1.8	61	98.96	16000	1797	23.8	2
	9/3/2022 1:48	0	1.8	61	98.96	12000	1791	23.9	2
	9/3/2022 2:48	0	1.8	62	98.96	12000	1793	24.0	2
	9/3/2022 3:48	0	1.8	62	101.11	12000	1788	24.1	2
	9/3/2022 4:48	0	1.8	62	101.11	10000	1794	24.2	2
	9/3/2022 5:48	0	1.8	61	96.8	10000	1797	24.3	2
	9/3/2022 6:48	0	1.8	61	96.8	12000	1794	24.4	2
	9/3/2022 7:47	0	1.8	63	105.41	16000	1810	24.5	2
	9/3/2022 8:47	0	1.8	64	98.96	24000	1792	24.7	2
	9/3/2022 9:47	0	1.867	66	101.11	30000	1786	24.9	2
	9/3/2022 10:47	0	1.8	64	94.65	32000	1808	25.2	2
	9/3/2022 11:47	0	1.8	63	92.5	36000	1802	25.5	3
	9/3/2022 12:47	0	1.8	63	92.5	34000	1797	25.8	3
	9/3/2022 13:47	1	1.8	63	92.5	34000	1799	26.0	3
	9/3/2022 14:46	0	1.8	63	92.5	36000	1803	26.3	3
	9/3/2022 15:46	1	1.8	62	92.5	32000	1814	26.6	3
	9/3/2022 16:46	0	1.8	63	98.96	28000	1821	26.8	3
	9/3/2022 17:46	1	1.867	62	92.5	24000	1792	27.0	3
	9/3/2022 18:46	0	1.867	63	94.65	22000	1822	27.2	3
	9/3/2022 19:46	0	1.8	62	92.5	20000	1803	27.4	3
	9/3/2022 20:46	0	1.8	61	92.5	18000	1788	27.5	3
	9/3/2022 21:46	0	1.8	61	98.96	14000	1790	27.6	3
	9/3/2022 22:45	0	1.8	61	94.65	10000	1787	27.7	3
	9/3/2022 23:45	0	1.8	61	98.96	10000	1812	27.8	3
	9/4/2022 0:45	0	1.8	61	96.8	10000	1805	27.9	3
	9/4/2022 1:45	0	1.8	61	98.96	10000	1813	28.0	3
	9/4/2022 2:45	0	1.8	61	96.8	10000	1824	28.0	3
	9/4/2022 3:45	0	1.8	61	98.96	10000	1804	28.1	3
	9/4/2022 4:45	0	1.8	61	98.96	10000	1802	28.2	3
	9/4/2022 5:44	0	1.8	61	98.96	10000	1800	28.3	3
	9/4/2022 6:44	0	1.8	60	98.96	8000	1799	28.3	3
	9/4/2022 7:44	0	1.8	62	98.96	12000	1804	28.4	3
	9/4/2022 8:44	0	1.867	64	98.96	22000	1806	28.6	3
	9/4/2022 9:44	0	1.867	65	96.8	30000	1793	28.9	3
	9/4/2022 10:44	0	1.8	64	94.65	34000	1785	29.1	3
	9/4/2022 11:44	0	1.8	64	94.65	40000	1807	29.5	3
	9/4/2022 12:43	1	1.8	64	94.65	42000	1803	29.8	3
	9/4/2022 13:43	1	1.8	64	94.65	44000	1810	30.2	3
	9/4/2022 14:43	1	1.8	63	92.5	42000	1806	30.5	3
	9/4/2022 15:43	2	1.8	63	92.5	42000	1796	30.8	3
	9/4/2022 16:43	1	1.8	63	94.65	38000	1792	31.2	3



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - August 29 to September 12, 2022 (14 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1, SVE-3	9/4/2022 17:43	0	1.8	63	96.8	34000	1795	31.4	3
	9/4/2022 18:43	1	1.8	62	92.5	32000	1789	31.7	3
	9/4/2022 19:42	0	1.8	61	92.5	24000	1784	31.9	3
	9/4/2022 20:42	1	1.8	61	92.5	20000	1808	32.0	3
	9/4/2022 21:42	1	1.8	60	94.65	18000	1785	32.2	3
	9/4/2022 22:42	0	1.8	61	96.8	16000	1791	32.3	3
	9/4/2022 23:42	0	1.8	61	96.8	14000	1812	32.4	3
	9/5/2022 0:42	0	1.867	61	101.11	12000	1799	32.5	3
	9/5/2022 1:42	0	1.8	60	98.96	10000	1782	32.6	3
	9/5/2022 2:41	0	1.8	60	96.8	10000	1803	32.7	3
	9/5/2022 3:41	0	1.8	60	101.11	10000	1807	32.8	3
	9/5/2022 4:41	0	1.8	60	101.11	10000	1806	32.9	3
	9/5/2022 5:41	0	1.8	60	105.41	8000	1789	32.9	3
	9/5/2022 6:41	0	1.8	60	98.96	6000	1804	33.0	3
	9/5/2022 7:41	0	1.8	62	101.11	14000	1811	33.1	4
	9/5/2022 8:41	0	1.867	64	103.26	22000	1812	33.3	4
	9/5/2022 9:40	0	1.8	64	98.96	32000	1787	33.5	4
	9/5/2022 10:40	1	1.867	64	96.8	40000	1811	33.9	4
	9/5/2022 11:40	1	1.8	64	94.65	44000	1817	34.2	4
	9/5/2022 12:40	1	1.8	64	96.8	48000	1808	34.6	4
	9/5/2022 13:40	1	1.8	63	92.5	48000	1811	35.0	4
	9/5/2022 14:40	2	1.8	63	92.5	46000	1799	35.4	4
	9/5/2022 15:40	3	1.8	62	92.5	46000	1803	35.7	4
	9/5/2022 16:39	2	1.8	62	92.5	42000	1820	36.1	4
	9/5/2022 17:39	2	1.8	62	94.65	36000	1805	36.4	4
	9/5/2022 18:39	1	1.8	62	92.5	32000	1785	36.6	4
	9/5/2022 19:39	1	1.867	62	94.65	24000	1811	36.8	4
	9/5/2022 20:39	0	1.8	61	94.65	22000	1785	37.0	4
	9/5/2022 21:39	1	1.8	60	94.65	20000	1796	37.2	4
	9/5/2022 22:39	1	1.8	60	94.65	18000	1813	37.3	4
	9/5/2022 23:38	1	1.8	60	94.65	18000	1802	37.5	4
	9/6/2022 0:38	1	1.8	60	96.8	18000	1782	37.6	4
	9/6/2022 1:38	0	1.8	60	96.8	12000	1791	37.7	4
	9/6/2022 2:38	1	1.8	59	98.96	12000	1816	37.8	4
	9/6/2022 3:38	0	1.8	60	98.96	10000	1781	37.9	4
	9/6/2022 4:38	0	1.8	59	101.11	8000	1804	38.0	4
	9/6/2022 5:38	1	1.8	58	96.8	6000	1815	38.0	4
	9/6/2022 6:37	0	1.8	59	98.96	6000	1801	38.0	4
	9/6/2022 7:37	0	1.8	61	98.96	12000	1794	38.1	4
	9/6/2022 8:37	0	1.867	64	103.26	22000	1819	38.3	4
	9/6/2022 9:37	0	1.8	63	94.65	32000	1805	38.6	4
	9/6/2022 10:37	1	1.8	63	94.65	40000	1786	38.9	4
	9/6/2022 11:37	1	1.8	63	92.5	46000	1788	39.3	4
	9/6/2022 12:37	2	1.8	63	92.5	46000	1800	39.7	4
	9/6/2022 13:36	3	1.8	62	92.5	46000	1795	40.0	4
	9/6/2022 14:36	1	1.8	63	92.5	46000	1783	40.4	4
	9/6/2022 15:36	3	1.8	62	90.35	46000	1809	40.8	4
	9/6/2022 16:36	2	1.8	62	90.35	44000	1800	41.1	4
	9/6/2022 17:36	2	1.8	61	88.2	36000	1790	41.4	4
	9/6/2022 18:36	1	1.8	62	92.5	32000	1798	41.7	4
	9/6/2022 19:36	1	1.8	61	92.5	24000	1821	41.9	4
	9/6/2022 20:35	2	1.8	60	92.5	22000	1824	42.1	4
	9/6/2022 21:35	0	1.8	60	92.5	18000	1798	42.2	4
	9/6/2022 22:35	1	1.8	59	92.5	14000	1812	42.3	4
	9/6/2022 23:35	0	1.8	59	96.8	12000	1789	42.4	4
	9/7/2022 0:35	0	1.8	59	94.65	12000	1796	42.5	4
	9/7/2022 1:35	0	1.8	59	96.8	10000	1795	42.6	4
	9/7/2022 2:35	0	1.8	59	94.65	8000	1799	42.7	5
	9/7/2022 3:34	0	1.8	59	96.8	8000	1806	42.7	5
	9/7/2022 4:34	0	1.8	59	96.8	6000	1819	42.8	5
	9/7/2022 5:34	1	1.8	58	94.65	6000	1799	42.8	5
	9/7/2022 6:34	1	1.8	58	96.8	6000	1787	42.9	5
	9/7/2022 7:34	0	1.8	60	98.96	8000	1812	42.9	5
	9/7/2022 8:34	0	1.8	62	96.8	16000	1816	43.1	5
	9/7/2022 9:34	0	1.867	64	98.96	24000	1804	43.3	5
	9/7/2022 10:33	0	1.8	63	94.65	32000	1795	43.5	5
	9/7/2022 11:33	1	1.8	63	92.5	38000	1811	43.8	5
	9/7/2022 12:33	0	1.8	63	96.8	40000	1808	44.2	5
	9/7/2022 13:33	1	1.8	63	92.5	44000	1807	44.5	5
	9/7/2022 14:33	2	1.8	62	92.5	42000	1806	44.9	5
	9/7/2022 15:33	2	1.8	62	92.5	42000	1809	45.2	5
	9/7/2022 16:33	1	1.8	62	92.5	36000	1792	45.5	5
	9/7/2022 17:32	1	1.8	62	94.65	34000	1795	45.8	5
	9/7/2022 18:32	2	1.8	61	92.5	28000	1810	46.0	5



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TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - August 29 to September 12, 2022 (14 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1, SVE-3	9/7/2022 19:32	1	1.8	61	92.5	24000	1808	46.2	5
	9/7/2022 20:32	1	1.8	60	92.5	18000	1809	46.3	5
	9/7/2022 21:32	1	1.8	59	92.5	12000	1797	46.4	5
	9/7/2022 22:32	0	1.8	60	94.65	12000	1804	46.5	5
	9/7/2022 23:32	1	1.8	59	96.8	10000	1798	46.6	5
	9/8/2022 0:31	0	1.8	60	98.96	10000	1794	46.7	5
	9/8/2022 1:31	0	1.8	59	98.96	6000	1791	46.7	5
	9/8/2022 2:31	0	1.8	59	103.26	6000	1809	46.8	5
	9/8/2022 3:31	0	1.8	59	103.26	6000	1791	46.8	5
	9/8/2022 4:31	0	1.8	59	98.96	6000	1815	46.9	5
	9/8/2022 5:31	0	1.8	59	98.96	4000	1805	46.9	5
	9/8/2022 6:31	0	1.8	58	101.11	6000	1786	47.0	5
	9/8/2022 7:30	0	1.8	61	103.26	10000	1782	47.1	5
	9/8/2022 8:30	0	1.8	63	103.26	18000	1784	47.2	5
	9/8/2022 9:30	0	1.8	63	98.96	26000	1806	47.4	5
	9/8/2022 10:30	1	1.8	63	96.8	32000	1813	47.7	5
	9/8/2022 11:30	0	1.8	63	96.8	34000	1789	48.0	5
	9/8/2022 12:30	2	1.8	62	94.65	40000	1799	48.3	5
	9/8/2022 13:30	3	1.8	62	94.65	46000	1813	48.7	5
	9/8/2022 14:29	2	1.8	62	94.65	46000	1780	49.0	5
	9/8/2022 15:29	3	1.8	61	90.35	46000	1798	49.4	5
	9/8/2022 16:29	2	1.8	62	92.5	44000	1805	49.8	5
	9/8/2022 17:29	1	1.8	62	96.8	38000	1797	50.1	5
	9/8/2022 18:29	2	1.8	61	94.65	32000	1798	50.3	5
	9/8/2022 19:29	1	1.8	61	92.5	26000	1787	50.5	5
	9/8/2022 20:29	2	1.8	60	94.65	24000	1806	50.7	5
	9/8/2022 21:28	2	1.8	59	94.65	20000	1812	50.9	5
	9/8/2022 22:28	1	1.8	60	98.96	18000	1807	51.0	6
	9/8/2022 23:28	0	1.8	60	98.96	12000	1802	51.1	6
	9/9/2022 0:28	1	1.8	59	98.96	12000	1803	51.2	6
	9/9/2022 1:28	0	1.8	59	101.11	12000	1787	51.3	6
	9/9/2022 2:28	1	1.8	59	101.11	10000	1813	51.4	6
	9/9/2022 3:28	1	1.8	59	101.11	12000	1806	51.5	6
	9/9/2022 4:27	0	1.8	59	105.41	12000	1786	51.6	6
	9/9/2022 5:27	0	1.8	59	103.26	10000	1785	51.7	6
	9/9/2022 6:27	1	1.8	58	103.26	8000	1793	51.8	6
	9/9/2022 7:27	0	1.8	60	103.26	12000	1796	51.9	6
	9/9/2022 8:27	0	1.8	62	103.26	22000	1800	52.0	6
	9/9/2022 9:27	0	1.867	64	103.26	32000	1778	52.3	6
	9/9/2022 10:27	0	1.8	64	101.11	40000	1820	52.6	6
	9/9/2022 11:26	1	1.8	64	98.96	48000	1806	53.0	6
	9/9/2022 12:26	2	1.8	63	96.8	54000	1789	53.4	6
	9/9/2022 13:26	2	1.8	63	96.8	54000	1788	53.9	6
	9/9/2022 14:26	3	1.8	63	94.65	54000	1790	54.3	6
	9/9/2022 15:26	2	1.8	63	96.8	48000	1810	54.7	6
	9/9/2022 16:26	2	1.8	63	98.96	52000	1811	55.1	6
	9/9/2022 17:26	3	1.8	62	94.65	44000	1814	55.5	6
	9/9/2022 18:25	2	1.8	62	96.8	36000	1795	55.8	6
	9/9/2022 19:25	3	1.8	61	96.8	32000	1805	56.0	6
	9/9/2022 20:25	2	1.8	61	96.8	28000	1794	56.3	6
	9/9/2022 21:25	1	1.8	61	98.96	26000	1801	56.5	6
	9/9/2022 22:25	0	1.8	60	105.41	24000	1785	56.7	6
	9/9/2022 23:25	0	1.8	61	101.11	24000	1793	56.9	6
	9/10/2022 0:25	1	1.8	61	101.11	22000	1806	57.1	6
	9/10/2022 1:24	2	1.8	59	96.8	20000	1780	57.2	6
	9/10/2022 2:24	0	1.8	60	103.26	18000	1801	57.4	6
	9/10/2022 3:24	0	1.8	60	98.96	16000	1807	57.5	6
	9/10/2022 4:24	0	1.8	60	98.96	18000	1801	57.6	6
	9/10/2022 5:24	0	1.8	60	105.41	14000	1816	57.8	6
	9/10/2022 6:24	1	1.8	59	101.11	12000	1812	57.9	6
	9/10/2022 7:24	0	1.8	60	101.11	12000	1780	58.0	6
	9/10/2022 8:23	0	1.8	62	103.26	22000	1801	58.1	6
	9/10/2022 9:23	0	1.8	63	101.11	26000	1789	58.3	6
	9/10/2022 10:23	0	1.8	63	98.96	34000	1780	58.6	6
	9/10/2022 11:23	0	1.8	64	98.96	44000	1791	59.0	6
	9/10/2022 12:23	1	1.8	63	96.8	46000	1807	59.3	6
	9/10/2022 13:23	2	1.8	63	96.8	46000	1803	59.7	6
	9/10/2022 14:23	2	1.8	62	94.65	46000	1799	60.1	6
	9/10/2022 15:22	1	1.8	63	96.8	44000	1808	60.5	6
	9/10/2022 16:22	1	1.8	62	98.96	38000	1807	60.8	6
	9/10/2022 17:22	1	1.8	62	96.8	36000	1803	61.1	7
	9/10/2022 18:22	0	1.8	61	98.96	30000	1798	61.3	7
	9/10/2022 19:22	2	1.8	61	96.8	26000	1807	61.5	7
	9/10/2022 20:22	0	1.8	61	96.8	24000	1811	61.7	7



CLEAR FORK
CONSULTING SERVICES

TABLE 2 - Controller Datapoint Summary

Energy Transfer Site
Monument, NM

ENGINE DATA - MDPE Event Summary - August 29 to September 12, 2022 (14 Day Operation)

Well Connections	Time Stamp	Air Flow (scfm)	Fuel Flow (scfm)	Well Flow (scfm)	Applied Vac (In. of H2O)	Energy (BTU/Hr)	Eng Speed (RPM)	Vapor Recovery (gallons)	Groundwater Recovery (gallons)
SVE-1, SVE-3	9/10/2022 21:22	1	1.8	60	98.96	20000	1789	61.9	7
	9/10/2022 22:21	0	1.8	61	98.96	18000	1805	62.0	7
	9/10/2022 23:21	0	1.8	60	98.96	12000	1784	62.1	7
	9/11/2022 0:21	1	1.8	59	98.96	10000	1804	62.2	7
	9/11/2022 1:21	1	1.8	58	96.8	8000	1801	62.3	7
	9/11/2022 2:21	0	1.8	59	98.96	6000	1811	62.3	7
	9/11/2022 3:21	0	1.8	58	98.96	6000	1785	62.4	7
	9/11/2022 4:21	0	1.8	58	98.96	6000	1809	62.4	7
	9/11/2022 5:20	0	1.8	58	98.96	6000	1823	62.5	7
	9/11/2022 6:20	0	1.8	58	105.41	4000	1813	62.5	7
	9/11/2022 7:20	0	1.8	58	98.96	4000	1808	62.5	7
	9/11/2022 8:20	0	1.8	59	101.11	6000	1802	62.6	7
	9/11/2022 9:20	0	1.8	59	101.11	6000	1816	62.6	7
	9/11/2022 10:20	0	1.8	60	101.11	6000	1818	62.7	7
	9/11/2022 11:20	0	1.8	60	98.96	8000	1807	62.7	7
	9/11/2022 12:19	0	1.8	61	96.8	20000	1791	62.9	7
	9/11/2022 13:19	0	1.8	61	96.8	20000	1810	63.1	7
	9/11/2022 14:19	0	1.8	60	94.65	16000	1797	63.2	7
	9/11/2022 15:19	0	1.8	60	98.96	16000	1815	63.3	7
	9/11/2022 16:19	1	1.8	60	94.65	16000	1826	63.4	7
	9/11/2022 17:19	0	1.8	61	96.8	20000	1791	63.6	7
	9/11/2022 18:19	0	1.8	60	94.65	14000	1798	63.7	7
	9/11/2022 19:18	0	1.8	59	94.65	12000	1780	63.8	7
	9/11/2022 20:18	0	1.8	59	94.65	12000	1809	63.9	7
	9/11/2022 21:18	0	1.8	59	96.8	12000	1806	64.0	7
	9/11/2022 22:18	0	1.8	59	98.96	10000	1792	64.1	7
	9/11/2022 23:18	0	1.8	59	96.8	6000	1796	64.1	7
	9/12/2022 0:18	1	1.8	58	98.96	8000	1791	64.2	7
	9/12/2022 1:18	0	1.8	58	98.96	6000	1788	64.3	7
	9/12/2022 2:17	0	1.8	58	98.96	6000	1804	64.3	7
	9/12/2022 3:17	0	1.8	58	101.11	6000	1825	64.4	7
	9/12/2022 4:17	0	1.8	58	101.11	6000	1813	64.4	7
	9/12/2022 5:17	0	1.8	58	101.11	4000	1809	64.4	7
	9/12/2022 6:17	0	1.8	58	101.11	4000	1796	64.5	7
	9/12/2022 7:17	0	1.8	58	101.11	6000	1812	64.5	7
	9/12/2022 8:17	0	1.8	61	101.11	12000	1791	64.6	7
	9/12/2022 9:16	0	1.8	62	98.96	20000	1801	64.8	7
	9/12/2022 10:16	0	1.8	63	96.8	26000	1790	65.0	7
	9/12/2022 11:16	1	1.8	63	96.8	32000	1800	65.3	7
	9/12/2022 12:16	1	1.8	63	92.5	36000	1784	65.5	8
2022 Event 2	<u>Total Run Hours</u>	<u>Operation Date Ranges</u>		<u>Average Well Flow</u>	<u>Average Well Vacuum</u>	<u>Average BTUs</u>	<u>Vapor Recovery</u>		
	334 Hours	August 29 to September 12, 2022		62.83	99.91	24065.67	65.50		
	334 Hours	(See TABLE 5 for Calculations)					65.5 (gallons) vapor		

TABLE 3 - Cumulative Elevation Table**Energy Transfer Site
Monument, TX****MDPE Event - August 29-September 12, 2022**

Well	Date	Event Duration on Well	Depth to LNAPL (feet)	Depth to Groundwater (feet)	LNAPL Thickness (feet)	Stinger Depth (feet)	Change in Elevation (feet)
SVE-1	4/19/2021	---	52.54	54.61	2.07	54.36	---
	7/13/2021	---	54.03	54.04	0.01	54.50	-1.49
	8/10/2021	63 Days		Well is Dry		---	
	9/13/2021	---	53.21	53.70	0.49	---	-0.67
	11/5/2021	91 Days		Well is Dry		54.50	-1.96
	4/11/2022	---	53.15	54.25	1.10	---	
	5/11/2022	30 Days		Well is Dry		54.50	-1.35
	8/29/2022	---	Need Data				
	9/12/2022	14 Days		Well is Dry			
SVE-2	4/19/2021	---		Well is Dry		---	---
	7/13/2021	---		Well is Dry		---	---
	8/10/2021	---		Well is Dry		---	---
	9/13/2021	---		Well is Dry		---	---
	11/5/2021	---		Well is Dry		---	---
	4/11/2022						
	5/11/2022						
	8/29/2022		Need Data				
	9/12/2022						
SVE-3	4/19/2021	---	52.82	53.85 (TD) No GW	1.03	---	---
	7/13/2021	---	53.44	53.76 (TD) No GW	0.32	---	-0.62
	8/10/2021	---	53.48	53.76 (TD) No GW	0.28	---	-0.66
	9/13/2021	---	53.25	53.76 (TD) No GW	0.51	---	-0.43
	11/5/2021	---	53.55	53.76 (TD) No GW	0.21	---	-0.73
	8/29/2022	---	Need Data				
	9/12/2022	14 Days		Well is Dry			

**TABLE 4 - Hydrocarbon Recovery Summary-Laboratory
August 29 to September 12, 2022
Energy Transfer Site
Monument, New Mexico**

SVE-1, SVE-3				
Vapor Phase Recovery:				
Pounds of recovered hydrocarbon per day = flow rate (cfm) X concentration (ppm _v) X Unit Conversion				
where:	CFM = cubic feet per minute PPM = parts per million			
	<u>Influent #1-August 29</u>	<u>Influent #2-August 30</u>	<u>Influent #3-September 12</u>	
Flow Rate (cfm):	62.80	62.80	62.80	cfm (Engine Well Flow Average)
Concentration (ppm):	1,440	1,340	1,640	ppmv (Gasoline Range Organics)
Unit Conversion (constant):	0.00036	0.00036	0.00036	{[(0.25 lb/cubic ft) X (1440 min/day)]/10 ⁶ }
Mass Vapor Recovery Rate:	32.556	30.295	37.077	lbs TPH/day
Mass Vapor Recovery Period:	4.630	4.630	4.630	13.9 days (334 hours runtime) 334 hours (334 / 24 = 13.9 days) 13.9 days / 3 Influent samples = 4.63 days
Mass Vapor Recovery Pounds:	150.73	140.26	171.67	lbs of TPH
Mass Vapor Recovery:	25.12	23.38	28.61	gals. of gasoline [6 lbs. / gal.]
Average Mass Vapor Recovery Rate:	33.309	average lbs TPH/day	(Average of Mass Recovery Rates above)	
Total Mass Vapor Recovery Period:	13.89	days (334 hours runtime)	(Sum of Mass Recovery Periods above)	
Total Mass Vapor Recovery:	462.66	lbs of TPH	(Sum of Vapor Recovery Pounds above)	
Mass Vapor Recovery Total:	77.11	gallons	(Sum of Mass Vapor Recovery above)	

**TABLE 5 - Hydrocarbon Recovery Summary-Laboratory/Controller
August 29 to September 12, 2022
Energy Transfer Site
Monument, New Mexico**

Laboratory Analytical Calculated Recovery (See TABLE 4)

Date	Average Mass Vapor Recovery Rate (Average lbs of TPH/day)	Total Mass Vapor Recovery Period (days)	Total Mass Vapor Recovery Period (hours)	Total Mass Vapor Recovery (lbs of TPH)	Total Mass Vapor Recovery (gallons)	
SVE-1, 3 August 29 to Sept. 12, 2022	33.309	13.900	334	462.66	77.11	
Totals:		13.90	334	462.66	<u>77.11</u>	Analytical Calculated Recovery

MDPE Unit Controller Datapoint Calculated Recovery (See TABLE 1, TABLE 2, TABLE 3)

	Average BTU/Hr <u>Engine 1</u>	Date	Recovery Period (hours)	Total btu/hr / event (vapor) <u>Engine 1</u>	Total lbs/event (vapor) <u>Engine 1</u>	Total gallons/event (vapor) <u>Engine 1</u>
SVE-1, 3	24,065.67	August 29 to Sept. 12, 2022	334	8,037,934	392	65
Totals:			334	8,037,934	392	<u>65</u>

Vapor Phase Recovery BTU Calculations:

average btu/hr X recovery period (hours) = btus/hr per event total / 20,500 (btu/hr energy for 1 lb of gasoline) = lbs per event / 6 (pounds per gallon of gasoline)

SVE-1 Engine 1 calc:

24,065.67 btu/hr X 334 hours = 8,037,934 btu/hr per event / 20,500 = 392 lbs of gasoline as vapor / 6 (pounds per gallon of gasoline) = 65 gallons of vapor recovered for Engine

Gasoline calcs based on 6.0 pounds per gallon and 123,0000 btu/hr per gallon

FIGURES



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FIGURE 1A - Energy BTU per Hour
SVE-1, SVE-3 August 29-September 12, 2022

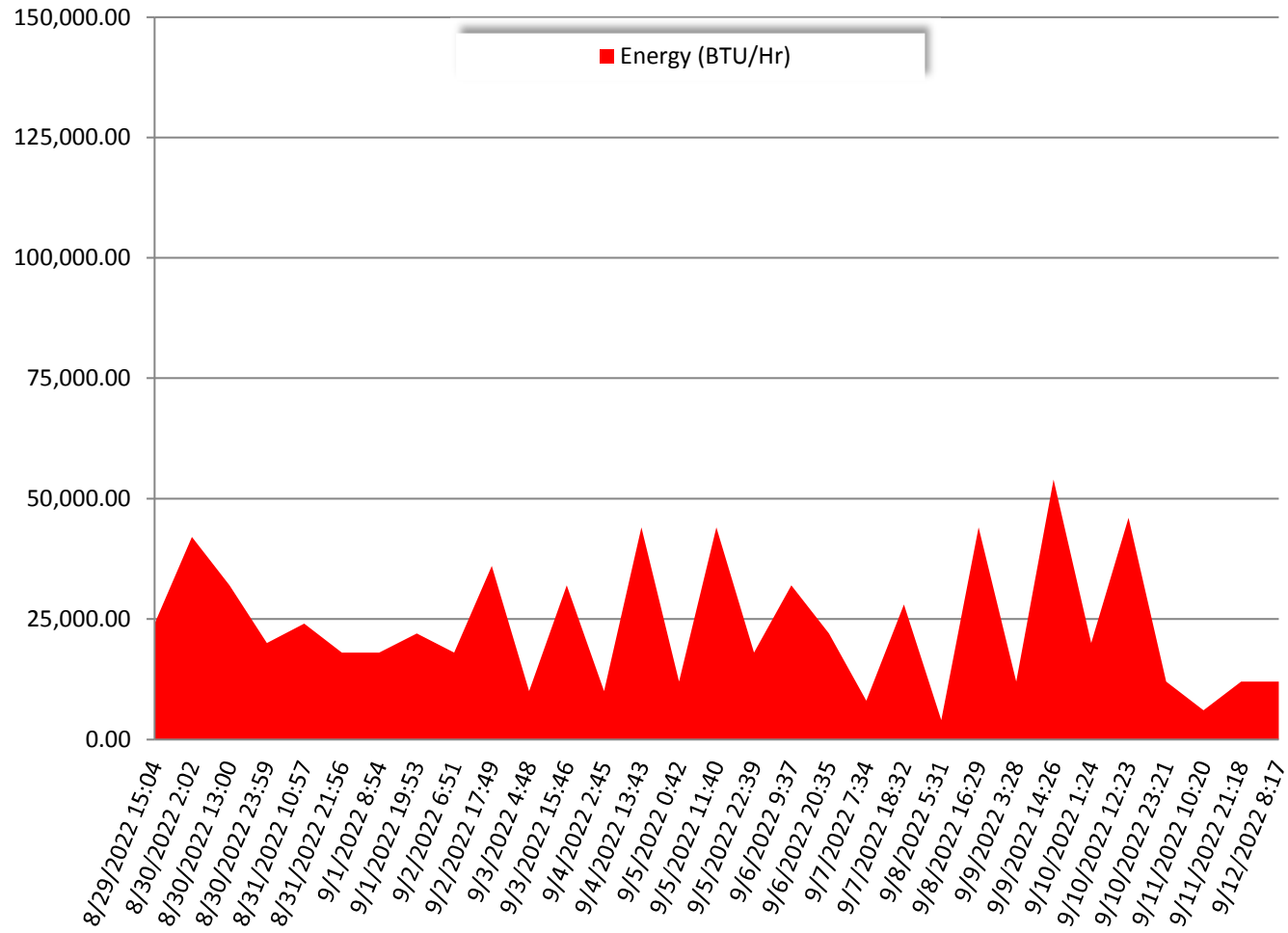
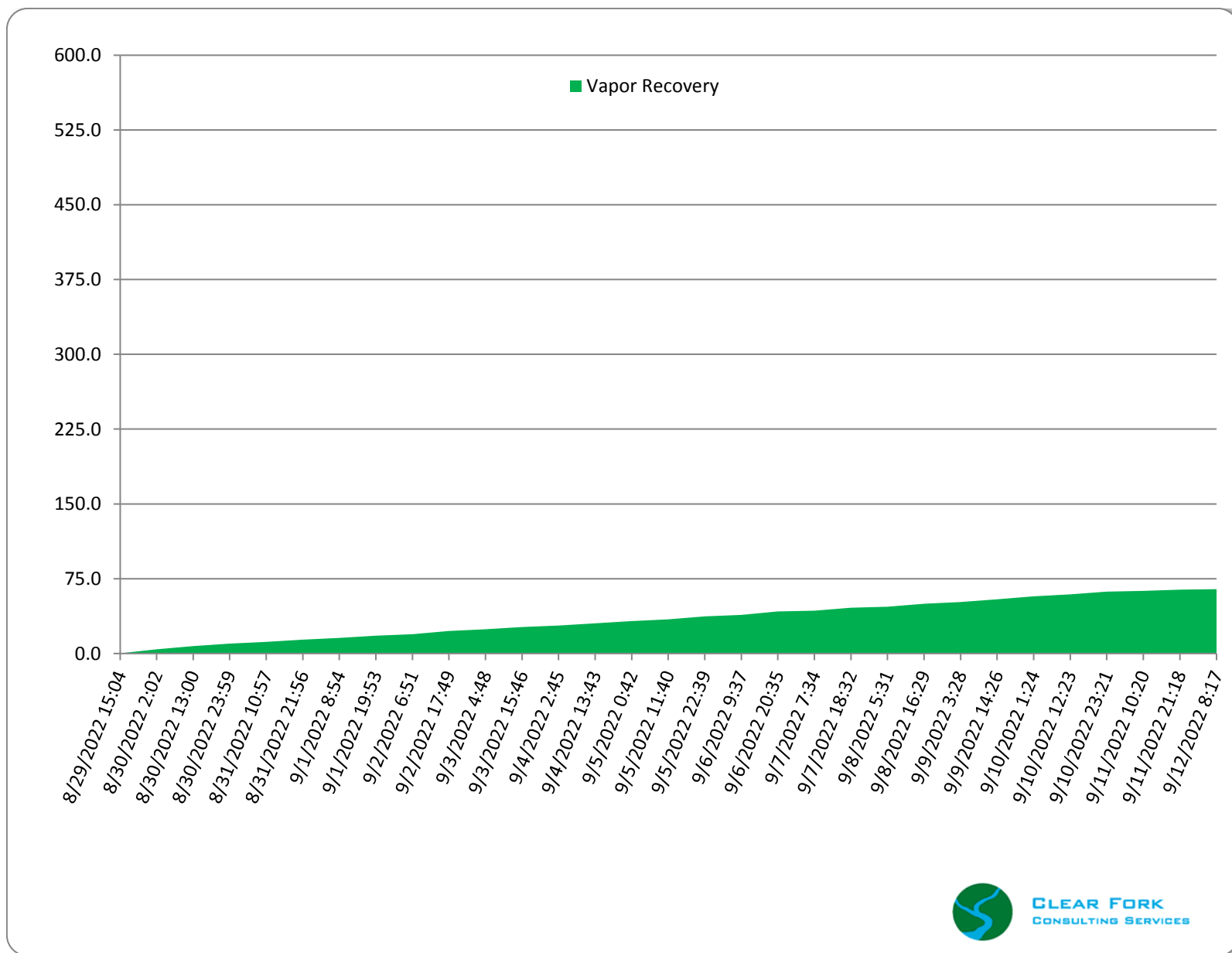


FIGURE 1B - Hydrocarbon Recovery (gallons)
SVE-1, SVE-3 August 29-September 12, 2022



LABORATORY ANALYTICAL **REPORT**



CLEAR FORK
CONSULTING SERVICES



ANALYTICAL REPORT

September 12, 2022

Clear Fork Consulting Svcs - Ft. Worth

Sample Delivery Group: L1532160
Samples Received: 09/02/2022
Project Number: 80-029
Description: 80-029
Site: ETC- MONUMENT, NM SITE
Report To: John Hanley
PO Box 1327
Decatur, TX 76234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
INFLUENT #1 L1532160-01	5	
INFLUENT #2 L1532160-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Volatile Organic Compounds (MS) by Method M18-Mod	7	
Gl: Glossary of Terms	10	⁶ Qc
Al: Accreditations & Locations	11	⁷ Gl
Sc: Sample Chain of Custody	12	⁸ Al
		⁹ Sc

INFLUENT #1 L1532160-01 Air

Collected by
John Hanley

Collected date/time
08/29/22 14:22

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1921097	20	09/04/22 00:16	09/04/22 00:16	CEP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1922472	200	09/07/22 17:19	09/07/22 17:19	MBF	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1923225	400	09/08/22 13:28	09/08/22 13:28	MBF	Mt. Juliet, TN

¹Cp

²Tc

³Ss

INFLUENT #2 L1532160-02 Air

Collected by
John Hanley

Collected date/time
08/30/22 09:30

Received date/time
09/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1922472	200	09/07/22 17:58	09/07/22 17:58	MBF	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1923225	400	09/08/22 14:06	09/08/22 14:06	MBF	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Collected date/time: 08/29/22 14:22

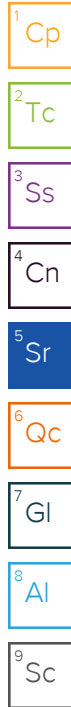
L1532160

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppmv	RDL2 mg/m3	Result ppmv	Result mg/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.00400	0.0128	ND	ND		20	WG1921097
Toluene	108-88-3	92.10	0.100	0.377	2.34	8.81	T8	200	WG1922472
Ethylbenzene	100-41-4	106	0.0400	0.173	1.65	7.15	T8	200	WG1922472
m&p-Xylene	1330-20-7	106	0.0800	0.347	7.29	31.6	T8	200	WG1922472
o-Xylene	95-47-6	106	0.0400	0.173	2.33	10.1	T8	200	WG1922472
TPH (GC/MS) Low Fraction	8006-61-9	101	80.0	330	1440	5950	T8	400	WG1923225
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		228		J1		WG1921097
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		111				WG1922472
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG1923225

Sample Narrative:

L1532160-01 WG1921097: Surrogate failure due to matrix interference.



Collected date/time: 08/30/22 09:30

L1532160

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppmv	RDL2 mg/m3	Result ppmv	Result mg/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0400	0.128	1.67	5.33	T8	200	WG1922472
Toluene	108-88-3	92.10	0.100	0.377	4.10	15.4	T8	200	WG1922472
Ethylbenzene	100-41-4	106	0.0400	0.173	1.88	8.15	T8	200	WG1922472
m&p-Xylene	1330-20-7	106	0.0800	0.347	6.62	28.7	T8	200	WG1922472
o-Xylene	95-47-6	106	0.0400	0.173	2.14	9.28	T8	200	WG1922472
TPH (GC/MS) Low Fraction	8006-61-9	101	80.0	330	1340	5540	T8	400	WG1923225
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		115				WG1922472
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG1923225

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Volatile Organic Compounds (MS) by Method M18-Mod

L1532160-01

Method Blank (MB)

(MB) R3834186-3 09/03/22 07:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppmv		ppmv	ppmv
Benzene	U		0.0000715	0.000200
(S) 1,4-Bromofluorobenzene	95.1			60.0-140

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3834186-1 09/03/22 06:11 • (LCSD) R3834186-2 09/03/22 06:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppmv	ppmv	ppmv	%	%	%			%	%
Benzene	0.00375	0.00379	0.00385	101	103	70.0-130			1.57	25
(S) 1,4-Bromofluorobenzene				98.7	99.7	60.0-140				

Volatile Organic Compounds (MS) by Method M18-Mod

L1532160-01,02

Method Blank (MB)

(MB) R3834845-3 09/07/22 10:24

Analyte	MB Result ppmv	MB Qualifier	MB MDL ppmv	MB RDL ppmv
Benzene	U		0.0000715	0.000200
Toluene	U		0.0000870	0.000500
Ethylbenzene	U		0.0000835	0.000200
m&p-Xylene	U		0.000135	0.000400
o-Xylene	U		0.0000828	0.000200
(S) 1,4-Bromofluorobenzene	97.2			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3834845-1 09/07/22 09:02 • (LCSD) R3834845-2 09/07/22 09:44

Analyte	Spike Amount ppmv	LCS Result ppmv	LCSD Result ppmv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00375	0.00360	0.00362	96.0	96.5	70.0-130			0.554	25
Toluene	0.00375	0.00378	0.00380	101	101	70.0-130			0.528	25
Ethylbenzene	0.00375	0.00381	0.00385	102	103	70.0-130			1.04	25
m&p-Xylene	0.00750	0.00759	0.00768	101	102	70.0-130			1.18	25
o-Xylene	0.00375	0.00375	0.00379	100	101	70.0-130			1.06	25
(S) 1,4-Bromofluorobenzene				99.2	99.6	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method M18-Mod

L1532160-01,02

Method Blank (MB)

(MB) R3835348-3 09/08/22 12:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppmv		ppmv	ppmv
TPH (GC/MS) Low Fraction	U		0.0397	0.200
(S) 1,4-Bromofluorobenzene	97.6			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3835348-1 09/08/22 11:28 • (LCSD) R3835348-2 09/08/22 12:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppmv	ppmv	ppmv	%	%	%			%	%
TPH (GC/MS) Low Fraction	0.203	0.207	0.207	102	102	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				98.7	99.1	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

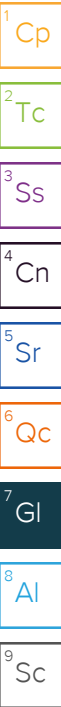
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
T8	Sample(s) received past/too close to holding time expiration.



Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Released to Imaging: 9/25/2023 4:55:56 PM



ANALYTICAL REPORT

September 16, 2022

Clear Fork Consulting Svcs - Ft. Worth

Sample Delivery Group: L1535903
Samples Received: 09/15/2022
Project Number: 80-029
Description:
Site: ETC-MONUMENT, NM SITE
Report To: John Hanley
PO Box 1327
Decatur, TX 76234

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
INFLUENT #3-SVE-1/SVE-3 L1535903-01	5	
DUP L1535903-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Volatile Organic Compounds (MS) by Method M18-Mod	7	
Gl: Glossary of Terms	8	⁶ Qc
Al: Accreditations & Locations	9	⁷ Gl
Sc: Sample Chain of Custody	10	⁸ Al
		⁹ Sc

INFLUENT #3-SVE-1/SVE-3 L1535903-01 Air

Collected by
John Hanley

Collected date/time
09/12/22 12:45

Received date/time
09/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1927061	400	09/15/22 22:29	09/15/22 22:29	SDS	Mt. Juliet, TN

DUP L1535903-02 Air

Collected by
John Hanley

Collected date/time
09/12/22 00:00

Received date/time
09/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1927061	400	09/15/22 22:55	09/15/22 22:55	SDS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	80.0	256	5020	16000		400	WG1927061
Toluene	108-88-3	92.10	200	753	21200	79900		400	WG1927061
Ethylbenzene	100-41-4	106	80.0	347	8610	37300		400	WG1927061
m&p-Xylene	1330-20-7	106	160	694	18400	79800		400	WG1927061
o-Xylene	95-47-6	106	80.0	347	6500	28200		400	WG1927061
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	1640000	6770000		400	WG1927061
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		110				WG1927061

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 09/12/22 00:00

L1535903

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	80.0	256	4970	15900		400	WG1927061
Toluene	108-88-3	92.10	200	753	21100	79500		400	WG1927061
Ethylbenzene	100-41-4	106	80.0	347	8420	36500		400	WG1927061
m&p-Xylene	1330-20-7	106	160	694	18000	78000		400	WG1927061
o-Xylene	95-47-6	106	80.0	347	6340	27500		400	WG1927061
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	1640000	6770000		400	WG1927061
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		110				WG1927061

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3837925-3 09/15/22 13:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
TPH (GC/MS) Low Fraction	61.6	U	39.7	200
(S) 1,4-Bromofluorobenzene	96.1			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3837925-1 09/15/22 12:39 • (LCSD) R3837925-2 09/15/22 13:09

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	3.88	3.86	103	103	70.0-130			0.517	25
Toluene	3.75	4.02	4.00	107	107	70.0-130			0.499	25
Ethylbenzene	3.75	4.17	4.16	111	111	70.0-130			0.240	25
m&p-Xylene	7.50	9.13	9.10	122	121	70.0-130			0.329	25
o-Xylene	3.75	4.45	4.46	119	119	70.0-130			0.224	25
TPH (GC/MS) Low Fraction	203	256	254	126	125	70.0-130			0.784	25
(S) 1,4-Bromofluorobenzene				102	101	60.0-140				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Guide to Reading and Understanding Your Laboratory Report

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Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

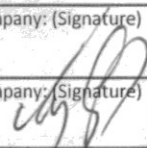
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

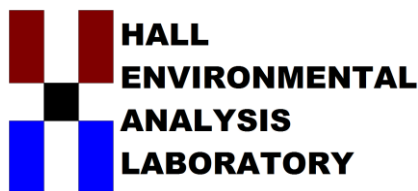
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

 CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here									
Company: CFCS, LP (Clear Fork)					Billing Information: same					ALL SHADED AREAS are for LAB USE ONLY									
Address: POB 1327										Container Preservative Type **					Lab Project Manager:				
Report To: John Hanley					Email To: jhanley@clear-fork.com					** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other									
Copy To:					Site Collection Info/Address:					Analyses									
Customer Project Name/Number: 80-029					State: County/City: Time Zone Collected: / [] PT [] MT [] CT [] ET					Lab Profile/Line:									
Phone: 817-808-8456		Site/Facility ID #: ETC - Monument, NM site			Compliance Monitoring? [] Yes [] No			Lab Sample Receipt Checklist: Custody Seals Present/Intact ☒ N ☐ NA Custody Signatures Present ☒ N ☐ NA Collector Signature Present ☒ N ☐ NA Bottles Intact ☒ N ☐ NA Correct Bottles ☒ N ☐ NA Sufficient Volume ☒ N ☐ NA Samples Received on Ice ☒ Y ☐ NA VOA - Headspace Acceptable ☒ Y ☐ NA USDA Regulated Soils ☒ Y ☐ NA Samples in Holding Time ☒ Y ☐ NA Residual Chlorine Present ☒ Y ☐ NA Cl Strips: _____ Sample pH Acceptable ☒ Y ☐ NA pH Strips: _____ Sulfide Present ☒ Y ☐ NA Lead Acetate Strips: _____ LAB USE ONLY: Lab Sample # / Comments: L1535903											
Email:		Purchase Order #: ETC - Monument, NM site			DW PWS ID #: DW Location Code:														
Collected By (print): John Hanley		Quote #:			Immediately Packed on Ice: [] Yes [] No														
Collected By (signature):		Turnaround Date Required: Standard TAT			Field Filtered (if applicable): [] Yes [] No														
Sample Disposal: [] Dispose as appropriate [] Return [] Archive: _____ [] Hold: _____		Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)			Analysis: _____														
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)										BTEX TPH GRO									
Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns											
			Date	Time	Date	Time													
Influent #3 - SVE-1 / SVE-3	Air	Grab	9/12/22	12:45pm				1											
Dup								1											
Customer Remarks / Special Conditions / Possible Hazards:			Type of Ice Used: Wet Blue Dry ☒ None				SHORT HOLDS PRESENT (<72 hours): ☒ Y ☐ N ☐ N/A			Lab Sample Temperature Info:									
Do NOT analyze DUP - only submitted in case of tedlar failure upon shipping			Packing Material Used:				Lab Tracking #: 5829 6699 6378			Temp Blank Received: ☒ Y ☐ N ☐ NA									
			Radchem sample(s) screened (<500 cpm): ☐ Y ☐ N ☒ NA				Samples received via: ☒ FEDEX ☐ UPS ☐ Client ☐ Courier ☐ Pace Courier			Therm ID#: _____									
Relinquished by/Company: (Signature) 			Date/Time: 9-14-22 11:15am		Received by/Company: (Signature) 			Date/Time: 9/15/22 0900		Cooler 1 Temp Upon Receipt: Am6 oC									
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)			Date/Time:		Cooler 1 Therm Corr. Factor: _____ oC									
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)			Date/Time:		Cooler 1 Corrected Temp: _____ oC									
										Comments:									
										Trip Blank Received: ☐ Y ☒ N ☐ NA									
										HCL MeOH TSP Other									
										Non Conformance(s): YES / NO									
										Page: _____ of: _____									

Appendix B

Laboratory Analytical Reports



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 07, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: 0-6

OrderNo.: 2203A18

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2203A18

Date Reported: 4/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-12574711-031722-CN-MW

Project: 0-6

Collection Date: 3/17/2022 9:00:00 AM

Lab ID: 2203A18-001

Matrix: AQUEOUS

Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2000	100	*	mg/L	200	3/30/2022 4:11:25 PM	R86883
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/22/2022 8:12:11 PM	B86657
Toluene	ND	1.0		µg/L	1	3/22/2022 8:12:11 PM	B86657
Ethylbenzene	ND	1.0		µg/L	1	3/22/2022 8:12:11 PM	B86657
Xylenes, Total	ND	2.0		µg/L	1	3/22/2022 8:12:11 PM	B86657
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/22/2022 8:12:11 PM	B86657

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 7

Analytical Report

Lab Order 2203A18

Date Reported: 4/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-12574711-031722-CN-MW

Project: 0-6

Collection Date: 3/17/2022 10:00:00 AM

Lab ID: 2203A18-002

Matrix: AQUEOUS

Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1800	100	*	mg/L	200	3/30/2022 4:24:17 PM	R86883
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/22/2022 9:22:44 PM	B86657
Toluene	ND	1.0		µg/L	1	3/22/2022 9:22:44 PM	B86657
Ethylbenzene	ND	1.0		µg/L	1	3/22/2022 9:22:44 PM	B86657
Xylenes, Total	ND	2.0		µg/L	1	3/22/2022 9:22:44 PM	B86657
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	3/22/2022 9:22:44 PM	B86657

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 7

Analytical Report

Lab Order 2203A18

Date Reported: 4/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-12574711-031722-CN-MW

Project: 0-6

Collection Date: 3/17/2022 11:00:00 AM

Lab ID: 2203A18-003

Matrix: AQUEOUS

Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1800	100	*	mg/L	200	3/30/2022 4:37:10 PM	R86883
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/22/2022 9:46:14 PM	B86657
Toluene	ND	1.0		µg/L	1	3/22/2022 9:46:14 PM	B86657
Ethylbenzene	ND	1.0		µg/L	1	3/22/2022 9:46:14 PM	B86657
Xylenes, Total	ND	2.0		µg/L	1	3/22/2022 9:46:14 PM	B86657
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	3/22/2022 9:46:14 PM	B86657

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 3 of 7

Analytical Report

Lab Order 2203A18

Date Reported: 4/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: GW-12574711-031722-CN-Dup

Project: 0-6

Collection Date: 3/17/2022

Lab ID: 2203A18-004

Matrix: AQUEOUS

Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1700	100	*	mg/L	200	3/30/2022 4:50:02 PM	R86883
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/22/2022 10:09:40 PM	B86657
Toluene	ND	1.0		µg/L	1	3/22/2022 10:09:40 PM	B86657
Ethylbenzene	ND	1.0		µg/L	1	3/22/2022 10:09:40 PM	B86657
Xylenes, Total	ND	2.0		µg/L	1	3/22/2022 10:09:40 PM	B86657
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/22/2022 10:09:40 PM	B86657

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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CLIENT: GHD
Project: 0-6
Lab ID: 2203A18-005

Client Sample ID: Trip Blank
Collection Date:
Matrix: TRIP BLANK
Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES				Analyst: NSB			
Benzene	ND	1.0		µg/L	1	3/22/2022 10:33:04 PM	B86657
Toluene	ND	1.0		µg/L	1	3/22/2022 10:33:04 PM	B86657
Ethylbenzene	ND	1.0		µg/L	1	3/22/2022 10:33:04 PM	B86657
Xylenes, Total	ND	2.0		µg/L	1	3/22/2022 10:33:04 PM	B86657
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	3/22/2022 10:33:04 PM	B86657

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2203A18
07-Apr-22

Client: GHD
Project: 0-6

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R86883	RunNo: 86883								
Prep Date:	Analysis Date: 3/30/2022	SeqNo: 3069589 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R86883	RunNo: 86883								
Prep Date:	Analysis Date: 3/30/2022	SeqNo: 3069590 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.5	90	110			

- Qualifiers:
- * Value exceeds Maximum Contaminant Level.
 - D Sample Diluted Due to Matrix
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit
 - PQL Practical Quantitative Limit
 - S % Recovery outside of range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203A18

07-Apr-22

Client: GHD

Project: 0-6

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBW	Batch ID: B86657	RunNo: 86657								
Prep Date:	Analysis Date: 3/22/2022	SeqNo: 3059391 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		98.1	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batch ID: B86657	RunNo: 86657								
Prep Date:	Analysis Date: 3/22/2022	SeqNo: 3059392 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	86.6	80	120			
Toluene	18	1.0	20.00	0	91.4	80	120			
Ethylbenzene	18	1.0	20.00	0	92.1	80	120			
Xylenes, Total	55	2.0	60.00	0	92.1	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		99.0	70	130			

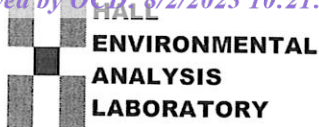
Sample ID: 2203a18-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: GW-12574711-03172	Batch ID: B86657	RunNo: 86657								
Prep Date:	Analysis Date: 3/22/2022	SeqNo: 3059394 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.3	80	120			
Toluene	19	1.0	20.00	0	96.4	80	120			
Ethylbenzene	19	1.0	20.00	0	97.4	80	120			
Xylenes, Total	59	2.0	60.00	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	70	130			

Sample ID: 2203a18-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: GW-12574711-03172	Batch ID: B86657	RunNo: 86657								
Prep Date:	Analysis Date: 3/22/2022	SeqNo: 3059395 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	85.9	80	120	4.96	20	
Toluene	19	1.0	20.00	0	92.9	80	120	3.67	20	
Ethylbenzene	19	1.0	20.00	0	94.5	80	120	3.08	20	
Xylenes, Total	57	2.0	60.00	0	95.0	80	120	2.65	20	
Surr: 4-Bromofluorobenzene	20		20.00		100	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2203A18

RcptNo: 1

Received By: Cheyenne Cason

3/18/2022 7:25:00 AM

Chen

Completed By: Cheyenne Cason

3/18/2022 10:13:03 AM

*Chen*Reviewed By: *JN* 3-21-22Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JN 3/21/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

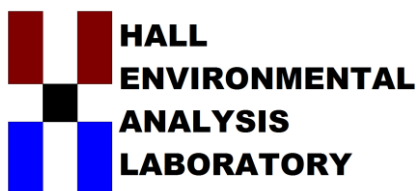
Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 14, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: 0 6

OrderNo.: 2207116

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/5/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2207116

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-1

Project: 0 6

Collection Date: 6/30/2022 4:55:00 PM

Lab ID: 2207116-001

Matrix: GROUNDWA

Received Date: 7/5/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2000	100	*	mg/L	200	7/11/2022 2:41:01 PM	R89388
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: JMT
Total Dissolved Solids	7590	40.0	*D	mg/L	1	7/8/2022 2:43:00 PM	68610
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	7/11/2022 5:38:23 PM	R89383
Toluene	ND	1.0		µg/L	1	7/11/2022 5:38:23 PM	R89383
Ethylbenzene	ND	1.0		µg/L	1	7/11/2022 5:38:23 PM	R89383
Xylenes, Total	ND	1.5		µg/L	1	7/11/2022 5:38:23 PM	R89383
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	7/11/2022 5:38:23 PM	R89383
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/11/2022 5:38:23 PM	R89383
Surr: Dibromofluoromethane	124	70-130		%Rec	1	7/11/2022 5:38:23 PM	R89383
Surr: Toluene-d8	94.1	70-130		%Rec	1	7/11/2022 5:38:23 PM	R89383

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 8

Analytical Report

Lab Order 2207116

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-2

Project: 06

Collection Date: 6/30/2022 5:55:00 PM

Lab ID: 2207116-002

Matrix: GROUNDWA

Received Date: 7/5/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1800	100	*	mg/L	200	7/11/2022 2:53:53 PM	R89388
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: JMT
Total Dissolved Solids	6850	40.0	*D	mg/L	1	7/8/2022 2:43:00 PM	68610
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	7/11/2022 6:07:22 PM	R89383
Toluene	ND	1.0		µg/L	1	7/11/2022 6:07:22 PM	R89383
Ethylbenzene	ND	1.0		µg/L	1	7/11/2022 6:07:22 PM	R89383
Xylenes, Total	ND	1.5		µg/L	1	7/11/2022 6:07:22 PM	R89383
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/11/2022 6:07:22 PM	R89383
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/11/2022 6:07:22 PM	R89383
Surr: Dibromofluoromethane	127	70-130		%Rec	1	7/11/2022 6:07:22 PM	R89383
Surr: Toluene-d8	93.9	70-130		%Rec	1	7/11/2022 6:07:22 PM	R89383

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2207116

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-3

Project: 0 6

Collection Date: 6/30/2022 5:20:00 PM

Lab ID: 2207116-003

Matrix: GROUNDWA

Received Date: 7/5/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1800	100	*	mg/L	200	7/11/2022 3:06:45 PM	R89388
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: JMT
Total Dissolved Solids	7080	40.0	*D	mg/L	1	7/8/2022 2:43:00 PM	68610
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	7/11/2022 6:36:16 PM	R89383
Toluene	ND	1.0		µg/L	1	7/11/2022 6:36:16 PM	R89383
Ethylbenzene	ND	1.0		µg/L	1	7/11/2022 6:36:16 PM	R89383
Xylenes, Total	ND	1.5		µg/L	1	7/11/2022 6:36:16 PM	R89383
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/11/2022 6:36:16 PM	R89383
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/11/2022 6:36:16 PM	R89383
Surr: Dibromofluoromethane	126	70-130		%Rec	1	7/11/2022 6:36:16 PM	R89383
Surr: Toluene-d8	94.5	70-130		%Rec	1	7/11/2022 6:36:16 PM	R89383

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2207116

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: DUP

Project: 06

Collection Date: 6/30/2022

Lab ID: 2207116-004

Matrix: GROUNDWA

Received Date: 7/5/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1800	100	*	mg/L	200	7/11/2022 3:19:37 PM	R89388
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: JMT
Total Dissolved Solids	7200	40.0	*D	mg/L	1	7/8/2022 2:43:00 PM	68610
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	7/11/2022 7:05:12 PM	R89383
Toluene	ND	1.0		µg/L	1	7/11/2022 7:05:12 PM	R89383
Ethylbenzene	ND	1.0		µg/L	1	7/11/2022 7:05:12 PM	R89383
Xylenes, Total	ND	1.5		µg/L	1	7/11/2022 7:05:12 PM	R89383
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	7/11/2022 7:05:12 PM	R89383
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/11/2022 7:05:12 PM	R89383
Surr: Dibromofluoromethane	123	70-130		%Rec	1	7/11/2022 7:05:12 PM	R89383
Surr: Toluene-d8	94.3	70-130		%Rec	1	7/11/2022 7:05:12 PM	R89383

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2207116

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: Trip Blank

Project: 0 6

Collection Date:

Lab ID: 2207116-005

Matrix: TRIP BLANK

Received Date: 7/5/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JR
Benzene	ND	1.0		µg/L	1	7/11/2022 7:34:06 PM	R89383
Toluene	ND	1.0		µg/L	1	7/11/2022 7:34:06 PM	R89383
Ethylbenzene	ND	1.0		µg/L	1	7/11/2022 7:34:06 PM	R89383
Xylenes, Total	ND	1.5		µg/L	1	7/11/2022 7:34:06 PM	R89383
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	7/11/2022 7:34:06 PM	R89383
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/11/2022 7:34:06 PM	R89383
Surr: Dibromofluoromethane	125	70-130		%Rec	1	7/11/2022 7:34:06 PM	R89383
Surr: Toluene-d8	91.3	70-130		%Rec	1	7/11/2022 7:34:06 PM	R89383

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2207116
14-Jul-22

Client: GHD
Project: 0 6

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R89388	RunNo: 89388								
Prep Date:	Analysis Date: 7/11/2022	SeqNo: 3179832 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R89388	RunNo: 89388								
Prep Date:	Analysis Date: 7/11/2022	SeqNo: 3179833 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.4	90	110			

- Qualifiers:
- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207116

14-Jul-22

Client: GHD

Project: 0 6

Sample ID: 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: VOLATILES							
Client ID: LCSW	Batch ID: R89383		RunNo: 89383							
Prep Date:	Analysis Date: 7/11/2022		SeqNo: 3179773		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.2	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: R89383		RunNo: 89383							
Prep Date:	Analysis Date: 7/11/2022		SeqNo: 3179799		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	12		10.00		115	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2207116
14-Jul-22

Client: GHD
Project: 0 6

Sample ID: MB-68610	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: PBW	Batch ID: 68610	RunNo: 89338								
Prep Date: 7/7/2022	Analysis Date: 7/8/2022	SeqNo: 3177798		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: LCS-68610	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: LCSW	Batch ID: 68610	RunNo: 89338								
Prep Date: 7/7/2022	Analysis Date: 7/8/2022	SeqNo: 3177799		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

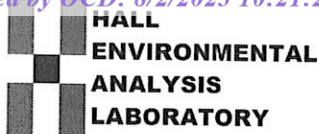
Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2207116

RcptNo: 1

Received By: Sean Livingston

7/5/2022 3:10:00 PM

Completed By: Isaiah Ortiz

7/5/2022 3:56:42 PM

Reviewed By: CMC

7/6/22

S. Livingston
I. Ortiz

Chain of Custody1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐2. How was the sample delivered? ClientLog In3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐5. Sample(s) in proper container(s)? Yes ☒ No ☐6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☒ No ☐ NA ☐10. Were any sample containers received broken? Yes ☐ No ☒11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐13. Is it clear what analyses were requested? Yes ☒ No ☐14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: JN 7/6/22

Special Handling (if applicable)15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

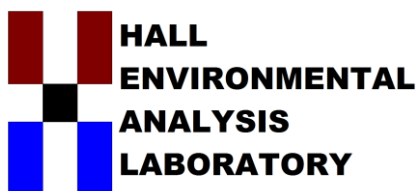
Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 12, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: 0-6

OrderNo.: 2208I08

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/31/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2208108

Date Reported: 9/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-1

Project: 0-6

Collection Date: 8/30/2022 11:15:00 AM

Lab ID: 2208108-001

Matrix: AQUEOUS

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1900	100	*	mg/L	200	9/8/2022 1:00:07 PM	R90914
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	9/7/2022 3:36:00 PM	SL90843
Toluene	ND	1.0		µg/L	1	9/7/2022 3:36:00 PM	SL90843
Ethylbenzene	ND	1.0		µg/L	1	9/7/2022 3:36:00 PM	SL90843
Xylenes, Total	ND	1.5		µg/L	1	9/7/2022 3:36:00 PM	SL90843
Surr: 1,2-Dichloroethane-d4	82.0	70-130		%Rec	1	9/7/2022 3:36:00 PM	SL90843
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	9/7/2022 3:36:00 PM	SL90843
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/7/2022 3:36:00 PM	SL90843
Surr: Toluene-d8	95.7	70-130		%Rec	1	9/7/2022 3:36:00 PM	SL90843

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 7

Analytical Report

Lab Order 2208108

Date Reported: 9/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-2

Project: 0-6

Collection Date: 8/30/2022 11:50:00 AM

Lab ID: 2208108-002

Matrix: AQUEOUS

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1700	100	*	mg/L	200	9/8/2022 1:12:28 PM	R90914
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	9/7/2022 3:59:00 PM	SL90843
Toluene	ND	1.0		µg/L	1	9/7/2022 3:59:00 PM	SL90843
Ethylbenzene	ND	1.0		µg/L	1	9/7/2022 3:59:00 PM	SL90843
Xylenes, Total	ND	1.5		µg/L	1	9/7/2022 3:59:00 PM	SL90843
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	9/7/2022 3:59:00 PM	SL90843
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	9/7/2022 3:59:00 PM	SL90843
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/7/2022 3:59:00 PM	SL90843
Surr: Toluene-d8	89.8	70-130		%Rec	1	9/7/2022 3:59:00 PM	SL90843

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208108

Date Reported: 9/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-3

Project: 0-6

Collection Date: 8/30/2022 10:50:00 AM

Lab ID: 2208108-003

Matrix: AQUEOUS

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1700	100	*	mg/L	200	9/8/2022 1:24:47 PM	R90914
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	9/7/2022 4:22:00 PM	SL90843
Toluene	ND	1.0		µg/L	1	9/7/2022 4:22:00 PM	SL90843
Ethylbenzene	ND	1.0		µg/L	1	9/7/2022 4:22:00 PM	SL90843
Xylenes, Total	ND	1.5		µg/L	1	9/7/2022 4:22:00 PM	SL90843
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	9/7/2022 4:22:00 PM	SL90843
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	9/7/2022 4:22:00 PM	SL90843
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/7/2022 4:22:00 PM	SL90843
Surr: Toluene-d8	90.5	70-130		%Rec	1	9/7/2022 4:22:00 PM	SL90843

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208108

Date Reported: 9/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: DUP

Project: 0-6

Collection Date: 8/30/2022

Lab ID: 2208108-004

Matrix: AQUEOUS

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1700	100	*	mg/L	200	9/8/2022 1:37:09 PM	R90914
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	9/7/2022 4:46:00 PM	SL90843
Toluene	ND	1.0		µg/L	1	9/7/2022 4:46:00 PM	SL90843
Ethylbenzene	ND	1.0		µg/L	1	9/7/2022 4:46:00 PM	SL90843
Xylenes, Total	ND	1.5		µg/L	1	9/7/2022 4:46:00 PM	SL90843
Surr: 1,2-Dichloroethane-d4	118	70-130		%Rec	1	9/7/2022 4:46:00 PM	SL90843
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	9/7/2022 4:46:00 PM	SL90843
Surr: Dibromofluoromethane	115	70-130		%Rec	1	9/7/2022 4:46:00 PM	SL90843
Surr: Toluene-d8	91.2	70-130		%Rec	1	9/7/2022 4:46:00 PM	SL90843

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208108

Date Reported: 9/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: Trip Blank

Project: 0-6

Collection Date:

Lab ID: 2208108-005

Matrix: TRIP BLANK

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	1.0		µg/L	1	9/7/2022 5:09:00 PM	SL90843
Toluene	ND	1.0		µg/L	1	9/7/2022 5:09:00 PM	SL90843
Ethylbenzene	ND	1.0		µg/L	1	9/7/2022 5:09:00 PM	SL90843
Xylenes, Total	ND	1.5		µg/L	1	9/7/2022 5:09:00 PM	SL90843
Surr: 1,2-Dichloroethane-d4	119	70-130		%Rec	1	9/7/2022 5:09:00 PM	SL90843
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	9/7/2022 5:09:00 PM	SL90843
Surr: Dibromofluoromethane	116	70-130		%Rec	1	9/7/2022 5:09:00 PM	SL90843
Surr: Toluene-d8	89.6	70-130		%Rec	1	9/7/2022 5:09:00 PM	SL90843

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2208108
13-Sep-22

Client: GHD
Project: 0-6

Sample ID: MB		SampType: mblk				TestCode: EPA Method 300.0: Anions				
Client ID: PBW		Batch ID: R90914				RunNo: 90914				
Prep Date:		Analysis Date: 9/8/2022				SeqNo: 3250617		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: LCS		SampType: lcs				TestCode: EPA Method 300.0: Anions				
Client ID: LCSW		Batch ID: R90914				RunNo: 90914				
Prep Date:		Analysis Date: 9/8/2022				SeqNo: 3250620		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.7	90	110			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208108

13-Sep-22

Client: GHD

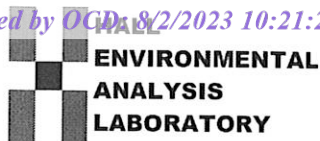
Project: 0-6

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: SL90843	RunNo: 90843								
Prep Date:	Analysis Date: 9/7/2022	SeqNo: 3248607 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		90.4	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.1		10.00		91.0	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batch ID: SL90843	RunNo: 90843								
Prep Date:	Analysis Date: 9/7/2022	SeqNo: 3248612 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		92.1	70	130			
Surr: Dibromofluoromethane	11		10.00		105	70	130			
Surr: Toluene-d8	9.2		10.00		91.7	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



Sample Log-In Check List

Client Name: GHD

Work Order Number: 2208108

RcptNo: 1

Received By: Juan Rojas

8/31/2022 7:40:00 AM

Juan Rojas

Completed By: Tracy Casarrubias

8/31/2022 9:03:28 AM

Reviewed By: *Jn 8/31/22***Chain of Custody**

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *KPA* *8-31-22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

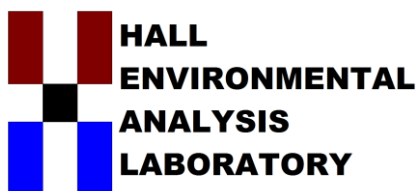
4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record									
Client: <u>CHD</u>		Turn-Around Time: ☒ Standard ☐ Rush							
Mailing Address:		Project Name: <u>0-6</u>							
Phone #:		Project #: <u>12544711</u>							
email or Fax#: <u>Christine.McKee@sgd.com</u>		Project Manager: <u>Christine McKee</u>							
QA/QC Package:		Sampler: <u>12</u>							
☐ Standard		On Ice: ☒ Yes ☐ No							
Accreditation: ☐ Az Compliance		# of Coolers: <u>1</u>							
☐ NELAC ☐ Other		Cooler Temp (including CF): <u>1.5-0.5</u> (°C)							
☐ EDD (Type)		Container Type and #		Preservative Type		HEAL No.			
Date	Time	Matrix	Sample Name						
8-30-22	1115	W	MW-1			4			2208108
8-30-22	1150	W	MW-2			4			001
8-30-22	1650	W	MW-3			4			002
8-30-22	-	W	D2P			4			003
			Trip Blank						004
			KPC 8-31-22						005
Date:	Time:	Relinquished by:	Received by:		Via:		Date:	Time	
8-30-22	1400	<u>[Signature]</u>	<u>Admire</u>		<u>8/30/22</u>		<u>8/30/22</u>	<u>1700</u>	
Date:	Time:	Relinquished by:	Received by:		Via:		Date:	Time	
8/30/22	1900	<u>Admire</u>	<u>BA</u>		<u>8/30/22</u>		<u>8/30/22</u>	<u>7:40</u>	

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 22, 2022

Christine Mathews

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: O 6

OrderNo.: 2211744

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/12/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2211744

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-1

Project: O 6

Collection Date: 11/10/2022 3:00:00 PM

Lab ID: 2211744-001

Matrix: GROUNDWA

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1900	100	*	mg/L	200	11/18/2022 3:09:28 PM	R92718
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: JR
Benzene	ND	1.0		µg/L	1	11/15/2022 6:22:30 PM	SL92599
Toluene	ND	1.0		µg/L	1	11/15/2022 6:22:30 PM	SL92599
Ethylbenzene	ND	1.0		µg/L	1	11/15/2022 6:22:30 PM	SL92599
Xylenes, Total	ND	1.5		µg/L	1	11/15/2022 6:22:30 PM	SL92599
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	11/15/2022 6:22:30 PM	SL92599
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	11/15/2022 6:22:30 PM	SL92599
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/15/2022 6:22:30 PM	SL92599
Surr: Toluene-d8	96.2	70-130		%Rec	1	11/15/2022 6:22:30 PM	SL92599

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 8

Analytical Report

Lab Order 2211744

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-2

Project: O 6

Collection Date: 11/10/2022 3:25:00 PM

Lab ID: 2211744-002

Matrix: GROUNDWA

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1700	100	*	mg/L	200	11/18/2022 3:22:20 PM	R92718
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: JR
Benzene	ND	1.0		µg/L	1	11/15/2022 6:50:55 PM	SL92599
Toluene	ND	1.0		µg/L	1	11/15/2022 6:50:55 PM	SL92599
Ethylbenzene	ND	1.0		µg/L	1	11/15/2022 6:50:55 PM	SL92599
Xylenes, Total	ND	1.5		µg/L	1	11/15/2022 6:50:55 PM	SL92599
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	11/15/2022 6:50:55 PM	SL92599
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	11/15/2022 6:50:55 PM	SL92599
Surr: Dibromofluoromethane	102	70-130		%Rec	1	11/15/2022 6:50:55 PM	SL92599
Surr: Toluene-d8	93.0	70-130		%Rec	1	11/15/2022 6:50:55 PM	SL92599

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2211744

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: MW-3

Project: O 6

Collection Date: 11/10/2022 2:50:00 PM

Lab ID: 2211744-003

Matrix: GROUNDWA

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1700	100	*	mg/L	200	11/18/2022 3:35:12 PM	R92718
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: JR
Benzene	ND	1.0		µg/L	1	11/15/2022 7:19:20 PM	SL92599
Toluene	ND	1.0		µg/L	1	11/15/2022 7:19:20 PM	SL92599
Ethylbenzene	ND	1.0		µg/L	1	11/15/2022 7:19:20 PM	SL92599
Xylenes, Total	ND	1.5		µg/L	1	11/15/2022 7:19:20 PM	SL92599
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	11/15/2022 7:19:20 PM	SL92599
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	11/15/2022 7:19:20 PM	SL92599
Surr: Dibromofluoromethane	108	70-130		%Rec	1	11/15/2022 7:19:20 PM	SL92599
Surr: Toluene-d8	93.5	70-130		%Rec	1	11/15/2022 7:19:20 PM	SL92599

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 3 of 8

Analytical Report

Lab Order 2211744

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: DUP-01

Project: O 6

Collection Date: 11/10/2022

Lab ID: 2211744-004

Matrix: GROUNDWA

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1900	100	*	mg/L	200	11/18/2022 3:48:04 PM	R92718
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: JR
Benzene	ND	1.0		µg/L	1	11/15/2022 7:47:49 PM	SL92599
Toluene	ND	1.0		µg/L	1	11/15/2022 7:47:49 PM	SL92599
Ethylbenzene	ND	1.0		µg/L	1	11/15/2022 7:47:49 PM	SL92599
Xylenes, Total	ND	1.5		µg/L	1	11/15/2022 7:47:49 PM	SL92599
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/15/2022 7:47:49 PM	SL92599
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	11/15/2022 7:47:49 PM	SL92599
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/15/2022 7:47:49 PM	SL92599
Surr: Toluene-d8	95.8	70-130		%Rec	1	11/15/2022 7:47:49 PM	SL92599

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 4 of 8

Analytical Report

Lab Order 2211744

Date Reported: 11/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: Trip Blank

Project: O 6

Collection Date:

Lab ID: 2211744-005

Matrix: TRIP BLANK

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: JR
Benzene	ND	1.0		µg/L	1	11/15/2022 8:16:14 PM	SL92599
Toluene	ND	1.0		µg/L	1	11/15/2022 8:16:14 PM	SL92599
Ethylbenzene	ND	1.0		µg/L	1	11/15/2022 8:16:14 PM	SL92599
Xylenes, Total	ND	1.5		µg/L	1	11/15/2022 8:16:14 PM	SL92599
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	11/15/2022 8:16:14 PM	SL92599
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	11/15/2022 8:16:14 PM	SL92599
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/15/2022 8:16:14 PM	SL92599
Surr: Toluene-d8	97.2	70-130		%Rec	1	11/15/2022 8:16:14 PM	SL92599

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 5 of 8

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2211744
22-Nov-22

Client: GHD
Project: O 6

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R92718	RunNo: 92718								
Prep Date:	Analysis Date: 11/18/2022	SeqNo: 3336552		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R92718	RunNo: 92718								
Prep Date:	Analysis Date: 11/18/2022	SeqNo: 3336553		Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.4	90	110			

- Qualifiers:
- * Value exceeds Maximum Contaminant Level.
 - D Sample Diluted Due to Matrix
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit
 - PQL Practical Quantitative Limit
 - S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2211744

22-Nov-22

Client: GHD**Project:** O 6

Sample ID: 100ng lcs	SampType: LCS			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW	Batch ID: SL92599			RunNo: 92599						
Prep Date:	Analysis Date: 11/15/2022			SeqNo: 3329961		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Toluene	18	1.0	20.00	0	90.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		91.1	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.2	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.4		10.00		94.2	70	130			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: PBW	Batch ID: SL92599			RunNo: 92599						
Prep Date:	Analysis Date: 11/15/2022			SeqNo: 3329969		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.5		10.00		94.9	70	130			

Sample ID: 100ng lcs2	SampType: LCS			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: LCSW	Batch ID: SL92599			RunNo: 92599						
Prep Date:	Analysis Date: 11/15/2022			SeqNo: 3329983		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130			
Toluene	18	1.0	20.00	0	87.6	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.4	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.3	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.1		10.00		91.4	70	130			

Sample ID: mb2	SampType: MBLK			TestCode: EPA Method 8260: Volatiles Short List						
Client ID: PBW	Batch ID: SL92599			RunNo: 92599						
Prep Date:	Analysis Date: 11/15/2022			SeqNo: 3329985		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211744

22-Nov-22

Client: GHD

Project: O 6

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: SL92599	RunNo: 92599								
Prep Date:	Analysis Date: 11/15/2022	SeqNo: 3329985 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.5	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 8



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **GHD**

Work Order Number: **2211744**

RcptNo: 1

Received By: **Kasandra Jimena Garcia** 11/12/2022 8:00:00 AM

KJ

Completed By: **Kasandra Jimena Garcia** 11/12/2022 8:48:31 AM

KJ

Reviewed By: *82 11/14/22*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *11/14/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Yes			



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

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

CONDITIONS

Action 247016

CONDITIONS

Operator: REGENCY FIELD SERVICES LLC 8111 Westchester Drive Dallas, TX 75225	OGRID: 298751
	Action Number: 247016
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Monitoring Report: Content Satisfactory 1. Continue to conduct quarterly groundwater monitoring for 2023 2 Submit the Annual Groundwater Monitoring report for 2023 by April 1, 2024. 3. Deploy absorbent socks for residual LNAPL as prescribed in report.	9/25/2023