2023 ANNUAL GROUNDWATER REPORT

Fields A#7A
Incident Number: nAUTOfAB000176
Meter Code: 89961
T32N, R11W, Sec 34, Unit E

SITE DETAILS

2023 Annual Groundwater Report for Fields A#7a
1. Accepted for the record

Site Location: Latitude: 36.944245 N, Longitude: -107.982116 W
Land Type: Federal
Operator: Simcoe

REVIEWED
By Mike Buchanan at 10:27 am, Apr 30, 2024

SITE BACKGROUND

Environmental remediation activities at Fields A#7A (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company (EPCGP's) program methods. Currently, the Site is operated by Simcoe LLC (Simcoe), and is active. According to NMOCD records, Simcoe assumed operation of the Site from BP America Production Company (BP), on February 28, 2020.

The Site is located on Federal land. An initial site assessment was completed in August 1994, and an excavation to approximately 12 feet below ground surface (bgs) was completed in September of 1994, removing approximately 70 cubic yards (cy) of soil. Monitoring wells MW-1, MW-2, MW-3, and MW-4 were installed in 1995. Temporary piezometers PZ-1 through PZ-5 were installed and removed in 1997. In 2016, monitoring wells MW-4R and MW-5 though MW-11 were installed, and monitoring wells MW-2 through MW-4 were abandoned. In 2022, monitoring wells MW-12 and MW-13 were installed. A detailed Site history is included as Appendix A.

The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells, piezometers, soil borings, and current and historical site features is provided as Figure 2. Historically, light non-aqueous phase liquid (LNAPL) has periodically been encountered and recovered from MW-6 and MW-8. Quarterly manual LNAPL recovery began in the second quarter of 2020 and has continued through 2023. Groundwater sampling is conducted on a semi-annual basis pursuant to the September 18, 2017 *Groundwater Monitoring Plan*, approved by the NMOCD.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 12, 2023, and November 2, 2023, prior to initiating groundwater sampling activities at the Site. Copies of the 2023 NMOCD notifications are provided in Appendix B. On May 21 and November 15, 2023, water levels were gauged at MW-1, MW-4R, and MW-5 through MW-13. During both events, groundwater samples were collected from monitoring wells MW-1, MW-4R, MW-5, MW-7, MW-8, MW-10, and MW-12. A groundwater sample was also collected from MW-9, MW-11, and MW-13 during the May 2023 event.

Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

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Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC, (Eurofins) in Pensacola, Florida, where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using United States Environmental Protection Agency (EPA)Method 8260. One laboratory-supplied trip blank and at least one blind field duplicate were also collected during each groundwater sampling event.

The unused sample water was placed in a waste container and transported to Envirotech, Inc. (Envirotech) in Bloomfield, NM for disposal. Waste disposal documentation is included as Appendix C.

LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020. Documentation of NMOCD notification of site LNAPL recovery activities in 2023 is provided in Appendix B. LNAPL was not observed in monitoring well MW-8 during the 2023 LNAPL recovery events and was observed in MW-6 during the May, August, and November events. Due to the presence of measurable LNAPL in monitoring well MW-6, BP monitoring well BPMW-2 was also gauged during the March, May, August, and November events.

During the groundwater sampling site visits in May and November 2023, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the August site visit was disposed at Envirotech (Appendix C).

SUMMARY TABLES

Historic groundwater analytical results and well gauging data are summarized in Tables 2 and 3, respectively. LNAPL recovery data is summarized on Table 1.

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation maps (Figures 4 and 6) summarize results of the 2023 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was to the southwest during the May and November 2023 gauging events (see Figures 4 and 6).
- LNAPL was detected at MW-6 during both events; therefore, no groundwater samples were collected from this location.

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- Groundwater samples collected during both sampling events from MW-1, and during the November 2023 sampling event from MW-5 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was either below the NMWQCC standard or was not detected in the groundwater samples collected from other Site wells in 2023.

- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2023.

- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2023.

- Concentrations of total xylenes were either below the NMWQCC standard (620 µg/L) or were not detected in each of the Site monitoring wells sampled in 2023.

- A field duplicate was collected from MW-1 for the May 2023 semi-annual monitoring event and from MW-7 for the November 2023 event. There were no significant differences between the primary and duplicate samples in 2023.

- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2023 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will be conducted on a semi-annual basis in 2024, pursuant to the September 18, 2017 *Groundwater Monitoring Plan*. Groundwater samples will be collected from monitoring wells not containing LNAPL and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event.

Quarterly site visits will continue at the Site in 2024 to facilitate removal of measurable LNAPL from EPCGP monitoring wells, where present.

The activities completed in 2024 and their results will be summarized in the 2024 Annual Report, to be submitted by April 1, 2025.

Pursuant to the conference call held with NMOCD on March 7, 2024, EPCGP will await NMOCD feedback on the status of the BP releases at the Site before determining what, if any, additional work may be required of EPCGP.

TABLES

TABLE 1 – LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

TABLE 2 – GROUNDWATER ANALYTICAL RESULTS

TABLE 3 – GROUNDWATER ELEVATION RESULTS

TABLE 1 - LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

Fields A#7A						
Well ID - MW-6	**Depth to LNAPL (Feet)**	**Depth to Water (Feet)**	**Measured Thickness (Feet)**	**LNAPL Recovered (gal)**	**Water Recovered (gal)**	**Recovery Type**
Date						
5/22/2021	31.87	32.45	0.58	0.09	0.05	manual
8/22/2021	32.04	32.15	0.11	0.32	0.74	manual
11/14/2021	32.02	32.88	0.86	0.83	1.03	manual
3/22/2022	32.19	33.02	0.83	0.46	0.32	manual
5/21/2022	32.26	32.92	0.66	0.57	0.24	manual
7/30/2022	32.41	32.90	0.49	0.29	0.34	manual
10/31/2022	31.84	32.17	0.33	0.09	0.88	manual
5/21/2023	31.04	31.05	0.01	<0.01	0.44	manual
8/29/2023	31.04	31.05	0.01	<0.01	0.54	manual
11/15/2023	32.02	32.06	0.04	0.01	0.25	manual
			Total:	2.66	4.83	
Well ID - MW-8						
5/17/2018	28.34	28.34	<0.01	<0.01	NR	manual
11/26/2018	28.78	28.78	<0.01	<0.01	0.01	manual
5/23/2019	28.19	28.65	0.46	0.07	NR	manual
11/13/2019	28.41	28.79	0.38	0.10	0.01	manual
5/13/2020	29.03	29.51	0.48	0.24	0.17	manual
8/18/2020	29.16	29.26	0.10	0.08	0.25	manual
11/14/2020	29.28	29.32	0.04	<0.01	0.14	manual
3/17/2021	29.44	29.47	0.03	0.01	0.49	manual
5/22/2021	29.60	29.71	0.11	<0.01	0.07	manual
8/22/2021	29.75	29.75	<0.01	<0.01	0.13	manual
11/14/2021	29.81	29.90	0.09	<0.01	0.32	manual
3/22/2022	29.91	30.06	0.15	0.02	0.16	manual
5/21/2022	29.99	30.00	0.01	<0.01	0.08	manual
7/30/2022	30.08	30.10	0.02	<0.01	0.05	manual
			Total:	0.52	1.88	

Notes:
NR = Not Recorded.
gal = gallons
"LNAPL" = Light non-aqueous phase liquid
LNAPL recovery data for 2017 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	08/09/95	1950	1946	115	1361
MW-1	01/03/96	3150	5280	361	3460
MW-1	04/18/96	1300	2140	119	1240
MW-1	05/08/96	NS	NS	NS	NS
MW-1	07/29/96	503	804	28	363
MW-1	10/21/96	843	1300	26	422
MW-1	01/30/97	1300	2200	76.8	966
MW-1	04/21/97	951	1920	73	894
MW-1	01/30/01	NS	NS	NS	NS
MW-1	02/08/01	NS	NS	NS	NS
MW-1	02/16/01	NS	NS	NS	NS
MW-1	02/17/01	NS	NS	NS	NS
MW-1	02/26/01	NS	NS	NS	NS
MW-1	03/05/01	NS	NS	NS	NS
MW-1	04/11/01	NS	NS	NS	NS
MW-1	06/05/01	NS	NS	NS	NS
MW-1	06/15/01	NS	NS	NS	NS
MW-1	07/06/01	NS	NS	NS	NS
MW-1	07/13/01	NS	NS	NS	NS
MW-1	07/20/01	NS	NS	NS	NS
MW-1	08/01/01	NS	NS	NS	NS
MW-1	08/08/01	NS	NS	NS	NS
MW-1	08/18/01	NS	NS	NS	NS
MW-1	08/20/01	NS	NS	NS	NS
MW-1	09/05/01	NS	NS	NS	NS
MW-1	09/21/01	NS	NS	NS	NS
MW-1	09/26/01	NS	NS	NS	NS
MW-1	10/03/01	NS	NS	NS	NS
MW-1	10/10/01	NS	NS	NS	NS
MW-1	12/04/01	NS	NS	NS	NS
MW-1	12/13/01	NS	NS	NS	NS
MW-1	12/21/01	NS	NS	NS	NS
MW-1	12/28/01	NS	NS	NS	NS
MW-1	01/07/02	NS	NS	NS	NS
MW-1	01/23/02	NS	NS	NS	NS
MW-1	01/31/02	NS	NS	NS	NS
MW-1	02/07/02	NS	NS	NS	NS
MW-1	02/14/02	NS	NS	NS	NS
MW-1	02/20/02	NS	NS	NS	NS
MW-1	03/21/02	NS	NS	NS	NS
MW-1	03/28/02	NS	NS	NS	NS
MW-1	04/04/02	NS	NS	NS	NS

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Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	04/12/02	NS	NS	NS	NS
MW-1	04/19/02	NS	NS	NS	NS
MW-1	04/25/02	NS	NS	NS	NS
MW-1	05/03/02	NS	NS	NS	NS
MW-1	05/10/02	NS	NS	NS	NS
MW-1	05/17/02	NS	NS	NS	NS
MW-1	05/24/02	NS	NS	NS	NS
MW-1	05/31/02	NS	NS	NS	NS
MW-1	06/06/02	NS	NS	NS	NS
MW-1	06/14/02	NS	NS	NS	NS
MW-1	06/21/02	NS	NS	NS	NS
MW-1	06/27/02	NS	NS	NS	NS
MW-1	07/02/02	NS	NS	NS	NS
MW-1	07/11/02	NS	NS	NS	NS
MW-1	07/18/02	NS	NS	NS	NS
MW-1	08/21/02	NS	NS	NS	NS
MW-1	10/01/02	NS	NS	NS	NS
MW-1	01/15/03	NS	NS	NS	NS
MW-1	04/27/03	NS	NS	NS	NS
MW-1	07/16/03	NS	NS	NS	NS
MW-1	10/27/03	NS	NS	NS	NS
MW-1	01/26/04	121	54	15.8	216
MW-1	04/21/04	116	58.1	29.3	83.3
MW-1	07/27/04	NS	NS	NS	NS
MW-1	10/18/04	NS	NS	NS	NS
MW-1	01/25/05	NS	NS	NS	NS
MW-1	04/18/05	108	29	14.2	274
MW-1	10/22/05	180	69.2	6.3	154
MW-1	04/25/06	83.7	23.8	2.1 J	82.5
MW-1	10/24/06	254	108	4	169
MW-1	04/24/07	106	37.2	3.3	112
MW-1	10/29/07	NS	NS	NS	NS
MW-1	04/21/08	246	38.3	1.6 J	81.3
MW-1	10/09/08	NS	NS	NS	NS
MW-1	04/07/09	25.5	11	0.6 J	21.5
MW-1	11/04/09	NS	NS	NS	NS
MW-1	05/24/10	100	43.8	1.1 J	56.9
MW-1	11/02/10	NS	NS	NS	NS
MW-1	05/04/11	158	2.6	2.4	12.1
MW-1	11/01/11	NS	NS	NS	NS
MW-1	05/07/12	27.1	8.7	1.1	14.2
MW-1	06/07/13	910	110	14.0	170

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	09/12/13	130	13	3.1	29
MW-1	12/13/13	380	30	4.7	98
MW-1	04/05/14	66	11	<0.20	10
MW-1	10/21/14	93	3.8	2.1	23
MW-1	05/31/15	230	12	2.5	43
MW-1	11/22/15	440	8.6	2.7	34
MW-1	04/15/16	150	29	2.3	36
MW-1	10/14/16	22	<5.0	<1.0	<5.0
MW-1	06/06/17	410	43	5.5	68
MW-1	11/13/17	390	27	4.9	64
MW-1	05/17/18	570	14	7.9	69
MW-1	10/26/18	770	25	15.0	170
MW-1	05/23/19	380	14	5.9	77
MW-1	11/13/19	750	18	<10	120
MW-1	05/13/20	160	4.1	<1.0	16
MW-1	11/14/20	790	34	8.0	280
DUP-01(MW-1)*	11/14/20	720	31	7.9	280
MW-1	05/22/21	86	2.4	<1.0	<10
DUP-01(MW-1)*	05/22/21	37	1.1	<1.0	<10
MW-1	11/14/21	600	<5.0	<5.0	50
DUP-01(MW-1)*	11/14/21	780	6.6	<5.0	70
MW-1	05/21/22	130	6.5	<1.0	13
DUP-01(MW-1)*	05/21/22	150	6.8	1.1	14
MW-1	10/31/22	290	2.5	4.1	74
DUP-01(MW-1)*	10/31/22	350	3.5	5.4	100
MW-1	05/21/23	41	2.0	<1.0	<10
DUP-01(MW-1)*	05/21/23	30	1.5	<1.0	<10
MW-1	11/15/23	550	<5.0	<5.0	<50
MW-2	01/03/96	28.8	<2.5	297.0	1169
MW-2	04/18/96	<1	<1	2.6	<3
MW-2	05/08/96	NS	NS	NS	NS
MW-2	07/29/96	<2	<2	<2	<6
MW-2	10/21/96	<1	<1	<1	<3
MW-2	01/30/97	<2	<2	<2	<6
MW-2	04/21/97	<1	<1	<1	<3
MW-2	04/13/01	<0.5	<0.5	<0.5	<0.5
MW-2	06/05/01	NS	NS	NS	NS
MW-2	07/20/01	NS	NS	NS	NS
MW-2	08/20/01	NS	NS	NS	NS
MW-2	05/17/02	NS	NS	NS	NS
MW-2	10/27/03	NS	NS	NS	NS
MW-2	04/21/04	NS	NS	NS	NS

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Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	04/18/05	<1	<1	<1	<2
MW-2	04/21/08	<2	<2	<2	<6
MW-2	11/02/10	NS	NS	NS	NS
MW-2	05/04/11	0.38 J	<1	<1	<3
MW-2	11/01/11	NS	NS	NS	NS
MW-2	05/07/12	NS	NS	NS	NS
MW-2	06/07/13	NS	NS	NS	NS
MW-2	09/12/13	NS	NS	NS	NS
MW-2	12/13/13	NS	NS	NS	NS
MW-2	04/05/14	NS	NS	NS	NS
MW-2	10/21/14	NS	NS	NS	NS
MW-2	05/31/15	NS	NS	NS	NS
MW-2	11/22/15	NS	NS	NS	NS
MW-2	04/15/16	NS	NS	NS	NS
MW-2 abandoned on August 22, 2016					
MW-3	01/03/96	176	16.4	225.0	1550
MW-3	04/18/96	129	<2	212.0	463
MW-3	05/08/96	NS	NS	NS	NS
MW-3	07/29/96	212	<2	167.0	393
MW-3	10/21/96	165	<1	157.0	467
MW-3	01/30/97	144	<1	198.0	851
MW-3	04/21/97	2070	4340	332.0	4730
MW-3	04/13/01	120	5.2	<5	80
MW-3	06/05/01	NS	NS	NS	NS
MW-3	07/20/01	NS	NS	NS	NS
MW-3	08/20/01	NS	NS	NS	NS
MW-3	04/02/02	NS	NS	NS	NS
MW-3	05/17/02	NS	NS	NS	NS
MW-3	01/25/05	NS	NS	NS	NS
MW-3	04/18/05	<1	<1	<1	<2
MW-3	10/22/05	NS	NS	NS	NS
MW-3	04/25/06	46.4	<5	<5	<10
MW-3	10/24/06	NS	NS	NS	NS
MW-3	04/24/07	179	<5	12.3	37.9
MW-3	10/29/07	NS	NS	NS	NS
MW-3	04/21/08	140	2.5	2.7	16.9
MW-3	10/09/08	NS	NS	NS	NS
MW-3	04/07/09	182	<50	<50	<100
MW-3	11/04/09	NS	NS	NS	NS
MW-3	05/24/10	NS	NS	NS	NS
MW-3	11/02/10	NS	NS	NS	NS
MW-3	05/04/11	5.7	<1	0.42 J	<3

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Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	11/01/11	NS	NS	NS	NS
MW-3	05/07/12	14.6	<1	0.3 J	2.5 J
MW-3	06/07/13	NS	NS	NS	NS
MW-3	09/12/13	NS	NS	NS	NS
MW-3	12/13/13	NS	NS	NS	NS
MW-3	04/05/14	NS	NS	NS	NS
MW-3	10/21/14	NS	NS	NS	NS
MW-3	05/31/15	NS	NS	NS	NS
MW-3	11/22/15	NS	NS	NS	NS
MW-3	04/15/16	NS	NS	NS	NS
MW-3 abandoned on August 22, 2016					
MW-4	01/03/96	2470	1880	206.0	2350
MW-4	04/18/96	4760	2460	235.0	1880
MW-4	01/00/00	NS	NS	NS	NS
MW-4	07/29/96	1830	2380	106.0	967
MW-4	10/21/96	3320	4520	149.0	1680
MW-4	01/30/97	4320	7420	280.0	3250
MW-4	04/21/97	2410	5170	219.0	2530
MW-4	06/05/01	NS	NS	NS	NS
MW-4	06/15/01	NS	NS	NS	NS
MW-4	07/06/01	NS	NS	NS	NS
MW-4	07/13/01	NS	NS	NS	NS
MW-4	07/20/01	NS	NS	NS	NS
MW-4	08/01/01	NS	NS	NS	NS
MW-4	08/08/01	NS	NS	NS	NS
MW-4	08/16/01	NS	NS	NS	NS
MW-4	08/20/01	NS	NS	NS	NS
MW-4	09/05/01	NS	NS	NS	NS
MW-4	09/21/01	NS	NS	NS	NS
MW-4	09/26/01	NS	NS	NS	NS
MW-4	10/03/01	NS	NS	NS	NS
MW-4	10/10/01	NS	NS	NS	NS
MW-4	12/04/01	NS	NS	NS	NS
MW-4	12/13/01	NS	NS	NS	NS
MW-4	12/21/01	NS	NS	NS	NS
MW-4	12/28/01	NS	NS	NS	NS
MW-4	01/07/02	NS	NS	NS	NS
MW-4	01/23/02	NS	NS	NS	NS
MW-4	01/31/02	NS	NS	NS	NS
MW-4	02/07/02	NS	NS	NS	NS
MW-4	02/14/02	NS	NS	NS	NS
MW-4	02/20/02	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	03/21/02	NS	NS	NS	NS
MW-4	04/04/02	NS	NS	NS	NS
MW-4	05/17/02	NS	NS	NS	NS
MW-4	05/24/02	NS	NS	NS	NS
MW-4	05/31/02	NS	NS	NS	NS
MW-4	06/06/02	NS	NS	NS	NS
MW-4	06/14/02	NS	NS	NS	NS
MW-4	07/18/02	NS	NS	NS	NS
MW-4	10/01/02	NS	NS	NS	NS
MW-4	01/15/03	NS	NS	NS	NS
MW-4	01/26/04	NS	NS	NS	NS
MW-4	04/21/04	NS	NS	NS	NS
MW-4	07/27/04	NS	NS	NS	NS
MW-4	10/18/04	NS	NS	NS	NS
MW-4	01/25/05	NS	NS	NS	NS
MW-4	04/18/05	NS	NS	NS	NS
MW-4	04/21/08	1580	679	6.8 J	3900
MW-4	10/09/08	NS	NS	NS	NS
MW-4	04/07/09	695	206	<50	745
MW-4	11/04/09	NS	NS	NS	NS
MW-4	05/24/10	NS	NS	NS	NS
MW-4	11/02/10	NS	NS	NS	NS
MW-4	05/04/11	NS	NS	NS	NS
MW-4	11/01/11	533	207	<10	419
MW-4	05/07/12	NS	NS	NS	NS
MW-4	06/07/13	NS	NS	NS	NS
MW-4	09/12/13	NS	NS	NS	NS
MW-4	12/13/13	NS	NS	NS	NS
MW-4	04/05/14	NS	NS	NS	NS
MW-4	10/21/14	NS	NS	NS	NS
MW-4	05/31/15	NS	NS	NS	NS
MW-4	11/22/15	NS	NS	NS	NS
MW-4	04/15/16	NS	NS	NS	NS
MW-4 replaced with MW-4R on August 21, 2016					
MW-4R	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-4R	06/06/17	50	<5.0	2.1	<5.0
MW-4R	11/13/17	53	<1.0	3.4	<10
MW-4R	05/17/18	7.9	<1.0	<1.0	<10
DUP-01(MW-4R)*	05/17/18	12	<1.0	<1.0	<10
MW-4R	10/26/18	<1.0	<1.0	<1.0	<10
MW-4R	05/23/19	<1.0	<1.0	<1.0	<10
MW-4R	11/13/19	5.3	<1.0	<1.0	<2.0

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4R	05/13/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-4R)*	05/13/20	<1.0	<1.0	<1.0	<10
MW-4R	11/14/20	4.3	<1.0	<1.0	<10
MW-4R	05/22/21	<1.0	<1.0	<1.0	<10
MW-4R	11/14/21	3.0	<1.0	<1.0	<10
MW-4R	05/21/22	2.1	<1.0	<1.0	<10
MW-4R	10/31/22	1.0	<1.0	<1.0	<10
MW-4R	05/21/23	<1.0	<1.0	<1.0	<10
MW-4R	11/15/23	6.5	<1.0	<1.0	<10
MW-5	10/14/16	130	6.4	19.0	57
MW-5	06/06/17	78	<5.0	<1.0	<5.0
MW-5	11/13/17	NS	NS	NS	NS
MW-5	05/17/18	NS	NS	NS	NS
MW-5	10/26/18	NS	NS	NS	NS
MW-5	05/23/19	15	<1.0	<1.0	<10
MW-5	11/13/19	NS	NS	NS	NS
MW-5	05/13/20	8	<1.0	<1.0	<10
MW-5	11/14/20	<1.0	<1.0	<1.0	<10
MW-5	05/22/21	1	<1.0	<1.0	<10
MW-5	11/14/21	1.9	<1.0	<1.0	<10
MW-5	05/21/22	9.0	5.0	<1.0	<10
MW-5	10/31/22	3.6	<1.0	<1.0	<10
MW-5	05/21/23	3.5	<1.0	<1.0	<10
MW-5	11/15/23	49	<1.0	<1.0	<10
MW-6	10/14/16	2100	880	490	2300
MW-6	06/06/17	1400	130	340	610
MW-6	11/13/17	NS	NS	NS	NS
MW-6	05/17/18	NS	NS	NS	NS
MW-6	10/26/18	NS	NS	NS	NS
MW-6	05/23/19	35	<1.0	6.4	55
MW-6	11/13/19	NS	NS	NS	NS
MW-6	05/13/20	NS	NS	NS	NS
MW-6	11/14/20	NS	NS	NS	NS
MW-6	05/22/21	NS	NS	NS	NS
MW-6	08/22/21	NS	NS	NS	NS
MW-6	11/14/21	NS	NS	NS	NS
MW-6	03/22/22	NS	NS	NS	NS
MW-6	05/21/22	NS	NS	NS	NS
MW-6	07/30/22	NS	NS	NS	NS
MW-6	10/31/22	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	05/21/23	NS	NS	NS	NS
MW-6	11/15/23	NS	NS	NS	NS
MW-7	10/14/16	410	340	31.0	270
MW-7	06/06/17	12	<5.0	<1.0	<5.0
MW-7	11/13/17	30	12	<1.0	15
MW-7	05/17/18	98	11	<1.0	22
MW-7	10/26/18	120	87	1.9	120
MW-7	05/23/19	150	39	<1.0	100
DUP-01(MW-7)*	05/23/19	150	39	1.0	110
MW-7	11/13/19	13	1.3	<1.0	4.8
DUP-01(MW-7)*	11/13/19	9.5	<2.0	<2.0	<4.0
MW-7	05/13/20	44	18	<1.0	28
MW-7	11/14/20	23	11	<1.0	19
MW-7	05/22/21	20	<1.0	<1.0	<10
MW-7	11/14/21	1.7	<1.0	<1.0	<10
MW-7	05/21/22	14	4.3	<1.0	<10
MW-7	10/31/22	42	26	<1.0	30
MW-7	05/21/23	9.3	<1.0	<1.0	<10
MW-7	11/15/23	4.8	1.3	<1.0	<10
DUP-01(MW-7)*	11/15/23	3.8	<1.0	<1.0	<10
MW-8	10/14/16	2.2	<5.0	<1.0	<5.0
MW-8	06/06/17	12	<5.0	<1.0	8.5
MW-8	11/13/17	100	<1.0	<1.0	16
MW-8	05/17/18	120	2.4	<1.0	11
MW-8	10/26/18	2	2.1	<1.0	<10
DUP-01(MW-8)*	10/26/18	6.3	8.3	<1.0	17
MW-8	05/23/19	NS	NS	NS	NS
MW-8	11/13/19	NS	NS	NS	NS
MW-8	05/13/20	NS	NS	NS	NS
MW-8	08/18/20	NS	NS	NS	NS
MW-8	11/14/20	NS	NS	NS	NS
MW-8	03/17/21	NS	NS	NS	NS
MW-8	05/22/21	NS	NS	NS	NS
MW-8	08/22/21	NS	NS	NS	NS
MW-8	11/14/21	NS	NS	NS	NS
MW-8	03/22/22	NS	NS	NS	NS
MW-8	05/21/22	NS	NS	NS	NS
MW-8	07/30/22	NS	NS	NS	NS
MW-8	10/31/22	<1.0	<1.0	<1.0	<10
MW-8	05/21/23	5.6	<1.0	2.2	30
MW-8	11/15/23	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	10/14/16	12	8.1	4.6	34
MW-9	06/06/17	1.7	<5.0	<1.0	<5.0
MW-9	11/13/17	NS	NS	NS	NS
MW-9	05/17/18	NS	NS	NS	NS
MW-9	10/26/18	NS	NS	NS	NS
MW-9	05/23/19	1	<1.0	<1.0	<10
MW-9	11/13/19	NS	NS	NS	NS
MW-9	05/13/20	NS	NS	NS	NS
MW-9	11/14/20	NS	NS	NS	NS
MW-9	05/22/21	<1.0	<1.0	<1.0	<10
MW-9	11/14/21	NS	NS	NS	NS
MW-9	05/21/22	NS	NS	NS	NS
MW-9	10/31/22	NS	NS	NS	NS
MW-9	05/21/23	1.2	<1.0	<1.0	<10
MW-9	11/15/23	NS	NS	NS	NS
MW-10	10/14/16	26	32	4.6	41
MW-10	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-10	11/13/17	1.4	<1.0	<1.0	<10
MW-10	05/17/18	3.4	4.6	<1.0	<10
MW-10	10/26/18	<1.0	<1.0	<1.0	<10
MW-10	05/23/19	3.1	1	<1.0	<10
MW-10	11/13/19	<1.0	<1.0	<1.0	<2.0
MW-10	05/13/20	2.9	1.3	<1.0	<2.0
MW-10	11/14/20	2.6	2.6	<1.0	<10
MW-10	05/22/21	<1.0	<1.0	<1.0	<10
MW-10	11/14/21	<1.0	<1.0	<1.0	<10
MW-10	05/21/22	<1.0	<1.0	<1.0	<10
MW-10	10/31/22	<1.0	<1.0	<1.0	<10
MW-10	05/21/23	<1.0	<1.0	<1.0	<10
MW-10	11/15/23	<1.0	<1.0	<1.0	<10
MW-11	10/14/16	<1.0	<5.0	1.3	9.7
MW-11	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-11	11/13/17	NS	NS	NS	NS
MW-11	05/17/18	NS	NS	NS	NS
MW-11	10/26/18	NS	NS	NS	NS
MW-11	05/23/19	<1.0	<1.0	<1.0	<10
MW-11	11/13/19	NS	NS	NS	NS
MW-11	05/13/20	NS	NS	NS	NS
MW-11	11/14/20	NS	NS	NS	NS
MW-11	05/22/21	<1.0	<1.0	<1.0	<10
MW-11	11/14/21	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	05/21/22	NS	NS	NS	NS
MW-11	10/31/22	NS	NS	NS	NS
MW-11	05/21/23	<1.0	<1.0	<1.0	<10
MW-11	11/15/23	NS	NS	NS	NS
MW-12	05/21/22	2.1	<1.0	1.4	<10
MW-12	10/31/22	<1.0	<1.0	<1.0	<10
MW-12	05/21/23	<1.0	<1.0	<1.0	<10
MW-12	11/15/23	<1.0	<1.0	<1.0	<10
MW-13	05/21/22	<1.0	<1.0	<1.0	<10
MW-13	10/31/22	2.4	2.2	1.0	58
MW-13	05/21/23	<1.0	<1.0	<1.0	<10
MW-13	11/15/23	NS	NS	NS	NS

Notes:
NS = Not Sampled
µg/L = micrograms per liter
Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.
"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result in an approximate value.
"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).
*Field Duplicate (DUP) results presented immediately below primary sample result

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	08/09/95	6085.98	NR	22.50		6063.48
MW-1	01/03/96	6085.98	NR	23.28		6062.70
MW-1	04/18/96	6085.98	NR	24.20		6061.78
MW-1	05/08/96	6085.98	NR	24.20		6061.78
MW-1	07/29/96	6085.98	25.02	25.07	0.05	6060.95
MW-1	10/21/96	6085.98	25.38	25.45	0.07	6060.59
MW-1	01/30/97	6085.98	26.57	26.83	0.26	6059.35
MW-1	04/21/97	6085.98	26.44	26.47	0.03	6059.54
MW-1	01/30/01	6085.98	28.74	30.08	1.34	6056.91
MW-1	02/08/01	6085.98	28.65	29.85	1.20	6057.03
MW-1	02/16/01	6085.98	29.08	30.20	1.12	6056.62
MW-1	02/17/01	6085.98	29.08	29.66	0.58	6056.76
MW-1	02/26/01	6085.98	29.39	29.54	0.15	6056.56
MW-1	03/05/01	6085.98	29.25	29.28	0.03	6056.73
MW-1	04/11/01	6085.98	NR	29.33		6056.65
MW-1	06/05/01	6085.98	29.34	29.46	0.12	6056.61
MW-1	06/15/01	6085.98	29.57	29.65	0.08	6056.39
MW-1	07/06/01	6085.98	NR	30.00		6055.98
MW-1	07/13/01	6085.98	NR	29.96		6056.02
MW-1	07/20/01	6085.98	NR	29.69		6056.29
MW-1	08/01/01	6085.98	NR	30.19		6055.79
MW-1	08/08/01	6085.98	NR	30.12		6055.86
MW-1	08/18/01	6085.98	NR	30.44		6055.54
MW-1	08/20/01	6085.98	NR	30.32		6055.66
MW-1	09/05/01	6085.98	NR	30.38		6055.60
MW-1	09/21/01	6085.98	NR	30.63		6055.35
MW-1	09/26/01	6085.98	NR	30.78		6055.20
MW-1	10/03/01	6085.98	NR	30.69		6055.29
MW-1	10/10/01	6085.98	30.32	30.33	0.01	6055.66
MW-1	12/04/01	6085.98	NR	30.51		6055.47
MW-1	12/13/01	6085.98	29.42	29.43	0.01	6056.56
MW-1	12/21/01	6085.98	30.39	30.40	0.01	6055.59
MW-1	12/28/01	6085.98	NR	30.64		6055.34
MW-1	01/07/02	6085.98	30.58	30.59	0.01	6055.40
MW-1	01/23/02	6085.98	30.40	30.41	0.01	6055.58
MW-1	01/31/02	6085.98	30.94	30.95	0.01	6055.04
MW-1	02/07/02	6085.98	31.11	31.12	0.01	6054.87
MW-1	02/14/02	6085.98	31.17	31.18	0.01	6054.81
MW-1	02/20/02	6085.98	31.14	31.15	0.01	6054.84
MW-1	03/21/02	6085.98	30.78	30.80	0.02	6055.20
MW-1	03/28/02	6085.98	NR	30.92		6055.06
MW-1	04/04/02	6085.98	NR	30.64		6055.34
MW-1	04/12/02	6085.98	NR	31.45		6054.53
MW-1	04/19/02	6085.98	NR	31.56		6054.42
MW-1	04/25/02	6085.98	NR	31.54		6054.44
MW-1	05/03/02	6085.98	NR	31.51		6054.47

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/10/02	6085.98	NR	31.59		6054.39
MW-1	05/17/02	6085.98	NR	31.16		6054.82
MW-1	05/24/02	6085.98	NR	31.38		6054.60
MW-1	05/31/02	6085.98	NR	31.23		6054.75
MW-1	06/06/02	6085.98	NR	31.32		6054.66
MW-1	06/14/02	6085.98	NR	31.34		6054.64
MW-1	06/21/02	6085.98	NR	31.67		6054.31
MW-1	06/27/02	6085.98	NR	31.81		6054.17
MW-1	07/02/02	6085.98	NR	31.82		6054.16
MW-1	07/11/02	6085.98	NR	31.84		6054.14
MW-1	07/18/02	6085.98	NR	31.45		6054.53
MW-1	08/21/02	6085.98	NR	32.12		6053.86
MW-1	10/01/02	6085.98	NR	31.77		6054.21
MW-1	01/15/03	6085.98	ND	31.90		6054.08
MW-1	04/27/03	6085.98	31.06	31.07	0.01	6054.92
MW-1	07/16/03	6085.98	ND	31.30		6054.69
MW-1	10/27/03	6085.98	ND	30.97		6055.01
MW-1	01/26/04	6085.98	ND	30.67		6055.31
MW-1	04/21/04	6085.98	ND	30.83		6055.15
MW-1	07/27/04	6085.98	ND	30.97		6055.01
MW-1	10/18/04	6085.98	ND	31.15		6054.83
MW-1	01/25/05	6085.98	ND	30.19		6055.79
MW-1	04/18/05	6085.98	ND	30.19		6055.79
MW-1	10/22/05	6085.98	ND	30.74		6055.24
MW-1	04/25/06	6085.98	ND	31.41		6054.57
MW-1	10/24/06	6085.98	ND	31.39		6054.59
MW-1	04/24/07	6085.98	ND	31.66		6054.32
MW-1	10/29/07	6085.98	ND	31.73		6054.25
MW-1	04/21/08	6085.98	ND	30.31		6055.67
MW-1	10/09/08	6085.98	ND	30.69		6055.29
MW-1	04/07/09	6085.98	ND	31.24		6054.74
MW-1	11/04/09	6085.98	ND	31.77		6054.21
MW-1	05/24/10	6085.98	ND	31.33		6054.65
MW-1	11/02/10	6085.98	ND	29.93		6056.05
MW-1	05/04/11	6085.98	ND	29.91		6056.07
MW-1	11/01/11	6085.98	ND	29.80		6056.18
MW-1	05/07/12	6085.98	ND	30.29		6055.69
MW-1	06/07/13	6085.98	ND	31.41		6054.57
MW-1	09/12/13	6085.98	ND	31.55		6054.43
MW-1	12/13/13	6085.98	ND	31.09		6054.89
MW-1	04/05/14	6085.98	ND	31.24		6054.74
MW-1	10/21/14	6085.98	ND	31.65		6054.33
MW-1	05/31/15	6085.98	ND	31.82		6054.16
MW-1	11/22/15	6085.98	ND	31.27		6054.71
MW-1	04/15/16	6085.98	ND	30.87		6055.11
MW-1	10/14/16	6085.98	ND	30.96		6055.02

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	06/06/17	6085.98	ND	30.56		6055.42
MW-1	11/13/17	6085.98	ND	30.71		6055.27
MW-1	05/17/18	6085.98	ND	31.37		6054.61
MW-1	10/26/18	6085.98	ND	31.80		6054.18
MW-1	05/23/19	6085.98	ND	31.39		6054.59
MW-1	11/13/19	6085.98	ND	32.00		6053.98
MW-1	05/13/20	6085.98	ND	32.20		6053.78
MW-1	11/14/20	6085.98	ND	32.42		6053.56
MW-1	05/22/21	6085.98	ND	32.67		6053.31
MW-1	11/14/21	6085.98	ND	32.85		6053.13
MW-1	05/21/22	6085.98	ND	33.00		6052.98
MW-1	10/31/22	6085.98	ND	32.92		6053.06
MW-1	05/21/23	6085.98	ND	32.45		6053.53
MW-1	11/15/23	6085.98	ND	32.84		6053.14
MW-2	01/03/96	6084.24	NR	24.27		6059.97
MW-2	04/18/96	6084.24	NR	25.53		6058.71
MW-2	05/08/96	6084.24	NR	25.53		6058.71
MW-2	07/29/96	6084.24	NR	26.48		6057.76
MW-2	10/21/96	6084.24	NR	26.96		6057.28
MW-2	01/30/97	6084.24	NR	27.73		6056.51
MW-2	04/21/97	6084.24	NR	27.77		6056.47
MW-2	04/13/01	6084.24	NR	30.33		6053.91
MW-2	06/05/01	6084.24	NR	30.71		6053.53
MW-2	07/20/01	6084.24	NR	30.95		6053.29
MW-2	08/20/01	6084.24	NR	31.03		6053.21
MW-2	05/17/02	6084.24	NR	31.38		6052.86
MW-2	10/27/03	6084.24	NR	31.79		6052.46
MW-2	04/21/04	6084.24	ND	31.10		6053.14
MW-2	04/18/05	6084.24	ND	30.98		6053.26
MW-2	04/21/08	6084.24	ND	30.66		6053.58
MW-2	11/02/10	6084.24	ND	29.65		6054.59
MW-2	05/04/11	6084.24	ND	31.10		6053.14
MW-2	11/01/11	6084.24	ND	31.42		6052.82
MW-2	05/07/12	6084.24	ND	31.29		6052.95
MW-2	06/07/13	6084.24	ND	DRY		DRY
MW-2	09/12/13	6084.24	ND	DRY		DRY
MW-2	12/13/13	6084.24	ND	DRY		DRY
MW-2	04/05/14	6084.24	ND	DRY		DRY
MW-2	10/21/14	6084.24	ND	DRY		DRY
MW-2	05/31/15	6084.24	ND	DRY		DRY
MW-2	11/22/15	6084.24	ND	DRY		DRY
MW-2	04/15/16	6084.24	ND	DRY		DRY
MW-2 abandoned on August 22, 2016						
MW-3	01/03/96	6084.06	NR	24.88		6059.18
MW-3	04/18/96	6084.06	NR	25.75		6058.31

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	05/08/96	6084.06	NR	25.75		6058.31
MW-3	07/29/96	6084.06	NR	26.64		6057.42
MW-3	10/21/96	6084.06	NR	27.16		6056.90
MW-3	01/30/97	6084.06	NR	27.92		6056.14
MW-3	04/21/97	6084.06	NR	28.00		6056.06
MW-3	04/13/01	6084.06	NR	30.48		6053.58
MW-3	06/05/01	6084.06	NR	30.79		6053.27
MW-3	07/20/01	6084.06	NR	31.03		6053.03
MW-3	08/20/01	6084.06	NR	31.14		6052.92
MW-3	04/02/02	6084.06	NR	31.62		6052.44
MW-3	05/17/02	6084.06	NR	32.05		6052.01
MW-3	01/25/05	6084.06	ND	31.93		6052.14
MW-3	04/18/05	6084.06	ND	30.77		6053.29
MW-3	10/22/05	6084.06	ND	31.57		6052.49
MW-3	04/25/06	6084.06	ND	31.61		6052.45
MW-3	10/24/06	6084.06	ND	31.90		6052.16
MW-3	04/24/07	6084.06	ND	31.90		6052.16
MW-3	10/29/07	6084.06	ND	31.93		6052.13
MW-3	04/21/08	6084.06	ND	30.40		6053.66
MW-3	10/09/08	6084.06	ND	31.56		6052.50
MW-3	04/07/09	6084.06	ND	31.40		6052.66
MW-3	11/04/09	6084.06	ND	31.97		6052.09
MW-3	05/24/10	6084.06	ND	31.87		6052.19
MW-3	11/02/10	6084.06	ND	29.83		6054.23
MW-3	05/04/11	6084.06	ND	30.71		6053.35
MW-3	11/01/11	6084.06	ND	31.08		6052.98
MW-3	05/07/12	6084.06	ND	31.57		6052.49
MW-3	06/07/13	6084.06	ND	DRY		DRY
MW-3	09/12/13	6084.06	ND	DRY		DRY
MW-3	12/13/13	6084.06	ND	DRY		DRY
MW-3	04/05/14	6084.06	ND	DRY		DRY
MW-3	10/21/14	6084.06	ND	DRY		DRY
MW-3	05/31/15	6084.06	ND	DRY		DRY
MW-3	11/22/15	6084.06	ND	DRY		DRY
MW-3	04/15/16	6084.06	ND	DRY		DRY
MW-3 abandoned on August 22, 2016						
MW-4	01/03/96	6084.61	NR	25.69		6058.92
MW-4	04/18/96	6084.61	NR	26.42		6058.19
MW-4	01/00/00	6084.61	25.83	26.42	0.59	6058.64
MW-4	07/29/96	6084.61	26.82	28.65	1.83	6057.34
MW-4	10/21/96	6084.61	27.45	28.84	1.39	6056.82
MW-4	01/30/97	6084.61	28.43	28.85	0.42	6056.08
MW-4	04/21/97	6084.61	28.58	28.68	0.10	6056.01
MW-4	06/05/01	6084.61	31.01	31.25	0.24	6053.54
MW-4	06/15/01	6084.61	31.12	31.56	0.44	6053.38

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	07/06/01	6084.61	31.20	DRY		DRY
MW-4	07/13/01	6084.61	31.44	DRY		DRY
MW-4	07/20/01	6084.61	31.51	DRY		DRY
MW-4	08/01/01	6084.61	31.54	DRY		DRY
MW-4	08/08/01	6084.61	NR	DRY		DRY
MW-4	08/16/01	6084.61	NR	DRY		DRY
MW-4	08/20/01	6084.61	NR	DRY		DRY
MW-4	09/05/01	6084.61	NR	DRY		DRY
MW-4	09/21/01	6084.61	NR	DRY		DRY
MW-4	09/26/01	6084.61	NR	DRY		DRY
MW-4	10/03/01	6084.61	NR	DRY		DRY
MW-4	10/10/01	6084.61	NR	DRY		DRY
MW-4	12/04/01	6084.61	NR	DRY		DRY
MW-4	12/13/01	6084.61	31.65	DRY		DRY
MW-4	12/21/01	6084.61	31.61	DRY		DRY
MW-4	12/28/01	6084.61	NR	31.61		6053.00
MW-4	01/07/02	6084.61	31.61	DRY		DRY
MW-4	01/23/02	6084.61	31.62	DRY		DRY
MW-4	01/31/02	6084.61	31.61	DRY		DRY
MW-4	02/07/02	6084.61	31.60	DRY		DRY
MW-4	02/14/02	6084.61	31.62	DRY		DRY
MW-4	02/20/02	6084.61	31.62	DRY		DRY
MW-4	03/21/02	6084.61	NR	DRY		DRY
MW-4	04/04/02	6084.61	NR	DRY		DRY
MW-4	05/17/02	6084.61	NR	DRY		DRY
MW-4	05/24/02	6084.61	NR	DRY		DRY
MW-4	05/31/02	6084.61	NR	DRY		DRY
MW-4	06/06/02	6084.61	NR	DRY		DRY
MW-4	06/14/02	6084.61	NR	DRY		DRY
MW-4	07/18/02	6084.61	NR	DRY		DRY
MW-4	10/01/02	6084.61	NR	DRY		DRY
MW-4	01/15/03	6084.61	ND	DRY		DRY
MW-4	01/26/04	6084.61	ND	DRY		DRY
MW-4	04/21/04	6084.61	ND	DRY		DRY
MW-4	07/27/04	6084.61	ND	DRY		DRY
MW-4	10/18/04	6084.61	ND	DRY		DRY
MW-4	01/25/05	6084.61	ND	DRY		DRY
MW-4	04/18/05	6084.61	ND	DRY		DRY
MW-4	04/21/08	6084.61	ND	31.22		6053.39
MW-4	10/09/08	6084.61	ND	31.40		6053.21
MW-4	04/07/09	6084.61	ND	31.40		6053.21
MW-4	11/04/09	6084.61	ND	31.58		6053.03
MW-4	05/24/10	6084.61	ND	31.47		6053.14
MW-4	11/02/10	6084.61	ND	30.60		6054.01
MW-4	05/04/11	6084.61	ND	31.05		6053.56
MW-4	11/01/11	6084.61	ND	31.05		6053.56

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	05/07/12	6084.61	ND	31.47		6053.14
MW-4	06/07/13	6084.61	ND	31.42		6053.19
MW-4	09/12/13	6084.61	ND	DRY		DRY
MW-4	12/13/13	6084.61	ND	DRY		DRY
MW-4	04/05/14	6084.61	ND	DRY		DRY
MW-4	10/21/14	6084.61	ND	DRY		DRY
MW-4	05/31/15	6084.61	ND	DRY		DRY
MW-4	11/22/15	6084.61	ND	DRY		DRY
MW-4	04/15/16	6084.61	ND	DRY		DRY
MW-4 replaced with MW-4R on August 21, 2016						
MW-4R	10/14/16	6084.43	ND	32.53		6051.90
MW-4R	06/06/17	6084.43	ND	32.13		6052.30
MW-4R	11/13/17	6084.43	ND	32.39		6052.04
MW-4R	05/17/18	6084.43	ND	33.48		6050.95
MW-4R	10/26/18	6084.43	ND	33.93		6050.50
MW-4R	05/23/19	6084.43	ND	32.99		6051.44
MW-4R	11/13/19	6084.43	ND	34.03		6050.40
MW-4R	05/13/20	6084.43	ND	34.33		6050.10
MW-4R	11/14/20	6084.43	ND	34.63		6049.80
MW-4R	05/22/21	6084.43	ND	34.88		6049.55
MW-4R	11/14/21	6084.43	ND	35.10		6049.33
MW-4R	05/21/22	6084.43	ND	35.29		6049.14
MW-4R	10/31/22	6084.43	ND	34.67		6049.76
MW-4R	05/21/23	6084.43	ND	33.72		6050.71
MW-4R	11/15/23	6084.43	ND	34.83		6049.60
MW-5	10/14/16	6081.99	ND	28.08		6053.91
MW-5	06/06/17	6081.99	ND	27.70		6054.29
MW-5	11/13/17	6081.99	ND	27.89		6054.10
MW-5	05/17/18	6081.99	ND	28.65		6053.34
MW-5	10/26/18	6081.99	ND	29.09		6052.90
MW-5	05/23/19	6081.99	ND	28.50		6053.49
MW-5	11/13/19	6081.99	ND	29.33		6052.66
MW-5	05/13/20	6081.99	ND	29.30		6052.69
MW-5	11/14/20	6081.99	ND	29.72		6052.27
MW-5	05/22/21	6081.99	ND	29.95		6052.04
MW-5	11/14/21	6081.99	ND	30.10		6051.89
MW-5	05/21/22	6081.99	ND	30.27		6051.72
MW-5	10/31/22	6081.99	ND	30.08		6051.91
MW-5	05/21/23	6081.99	ND	29.47		6052.52
MW-5	11/15/23	6081.99	ND	30.03		6051.96
MW-6	10/14/16	6081.99	ND	29.78		6052.21
MW-6	06/06/17	6081.99	ND	29.37		6052.62
MW-6	11/13/17	6081.99	ND	29.63		6052.36
MW-6	05/17/18	6081.99	ND	30.64		6051.35

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	10/26/18	6081.99	ND	31.09		6050.90
MW-6	05/23/19	6081.99	ND	30.24		6051.75
MW-6	11/13/19	6081.99	ND	31.28		6050.71
MW-6	05/13/20	6081.99	ND	31.35		6050.64
MW-6	11/14/20	6081.99	ND	31.62		6050.37
MW-6	05/22/21	6081.99	31.87	32.45	0.58	6049.98
MW-6	08/22/21	6081.99	32.04	32.15	0.11	6049.92
MW-6	11/14/21	6081.99	32.02	32.88	0.86	6049.76
MW-6	03/22/22	6081.99	32.19	33.02	0.83	6049.59
MW-6	05/21/22	6081.99	32.26	32.92	0.66	6049.57
MW-6	07/30/22	6081.99	32.41	32.90	0.49	6049.46
MW-6	10/31/22	6081.99	31.84	32.17	0.33	6050.07
MW-6	03/28/23	6081.99	ND	30.75		6051.24
MW-6	05/21/23	6081.99	31.04	31.05	0.01	6050.95
MW-6	08/29/23	6081.99	31.71	31.73	0.02	6050.28
MW-6	11/15/23	6081.99	32.02	32.06	0.04	6049.96
MW-7	10/14/16	6082.19	ND	27.46		6054.73
MW-7	06/06/17	6082.19	ND	27.13		6055.06
MW-7	11/13/17	6082.19	ND	27.31		6054.88
MW-7	05/17/18	6082.19	ND	28.04		6054.15
MW-7	10/26/18	6082.19	ND	28.47		6053.72
MW-7	05/23/19	6082.19	ND	27.98		6054.21
MW-7	11/13/19	6082.19	ND	28.65		6053.54
MW-7	05/13/20	6082.19	ND	28.89		6053.30
MW-7	11/14/20	6082.19	ND	29.12		6053.07
MW-7	05/22/21	6082.19	ND	29.40		6052.79
MW-7	11/14/21	6082.19	ND	29.56		6052.63
MW-7	05/21/22	6082.19	ND	29.72		6052.47
MW-7	10/31/22	6082.19	ND	29.59		6052.60
MW-7	05/21/23	6082.19	ND	29.05		6053.14
MW-7	11/15/23	6082.19	ND	29.52		6052.67
MW-8	10/14/16	6082.28	ND	27.80		6054.48
MW-8	06/06/17	6082.28	ND	27.41		6054.87
MW-8	11/13/17	6082.28	ND	27.58		6054.70
MW-8	05/17/18	6082.28	28.34	28.34	<0.01	6053.94
MW-8	10/26/18	6082.28	28.78	28.78	<0.01	6053.50
MW-8	05/23/19	6082.28	28.19	28.65	0.46	6053.98
MW-8	11/13/19	6082.28	28.41	28.79	0.38	6053.78
MW-8	05/13/20	6082.28	29.03	29.51	0.48	6053.13
MW-8	08/18/20	6082.28	29.16	29.26	0.10	6053.10
MW-8	11/14/20	6082.28	29.28	29.32	0.04	6052.99
MW-8	03/17/21	6082.28	29.44	29.47	0.03	6052.83
MW-8	05/22/21	6082.28	29.60	29.71	0.11	6052.65
MW-8	08/22/21	6082.28	29.75	29.75	<0.01	6052.53

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	11/14/21	6082.28	29.81	29.90	0.09	6052.38
MW-8	03/22/22	6082.28	29.91	30.06	0.15	6052.22
MW-8	05/21/22	6082.28	29.99	30.00	0.01	6052.28
MW-8	07/30/22	6082.28	30.08	30.10	0.02	6052.18
MW-8	10/31/22	6082.28	ND	29.84		6052.44
MW-8	03/28/23	6082.28	ND	29.32		6052.96
MW-8	05/21/23	6082.28	ND	29.28		6053.00
MW-8	08/29/23	6082.28	ND	29.61		6052.67
MW-8	11/15/23	6082.28	ND	29.78		6052.50
MW-9	10/14/16	6082.35	ND	27.37		6054.98
MW-9	06/06/17	6082.35	ND	26.98		6055.37
MW-9	11/13/17	6082.35	ND	27.12		6055.23
MW-9	05/17/18	6082.35	ND	27.79		6054.56
MW-9	10/26/18	6082.35	ND	28.22		6054.13
MW-9	05/23/19	6082.35	ND	27.78		6054.57
MW-9	11/13/19	6082.35	ND	28.40		6053.95
MW-9	05/13/20	6082.35	ND	28.63		6053.72
MW-9	11/14/20	6082.35	ND	28.83		6053.52
MW-9	05/22/21	6082.35	ND	29.10		6053.25
MW-9	11/14/21	6082.35	ND	29.28		6053.07
MW-9	05/21/22	6082.35	ND	29.44		6052.91
MW-9	10/31/22	6082.35	ND	29.37		6052.98
MW-9	05/21/23	6082.35	ND	28.87		6053.48
MW-9	11/15/23	6082.35	ND	29.29		6053.06
MW-10	10/14/16	6086.17	ND	31.16		6055.01
MW-10	06/06/17	6086.17	ND	30.79		6055.38
MW-10	11/13/17	6086.17	ND	30.90		6055.27
MW-10	05/17/18	6086.17	ND	31.57		6054.60
MW-10	10/26/18	6086.17	ND	32.00		6054.17
MW-10	05/23/19	6086.17	ND	31.55		6054.62
MW-10	11/13/19	6086.17	ND	32.15		6054.02
MW-10	05/13/20	6086.17	ND	32.37		6053.80
MW-10	11/14/20	6086.17	ND	32.60		6053.57
MW-10	05/22/21	6086.17	ND	32.85		6053.32
MW-10	11/14/21	6086.17	ND	33.03		6053.14
MW-10	05/21/22	6086.17	ND	33.20		6052.97
MW-10	10/31/22	6086.17	ND	33.11		6053.06
MW-10	05/21/23	6086.17	ND	32.62		6053.55
MW-10	11/15/23	6086.17	ND	33.02		6053.15
MW-11	10/14/16	6085.79	ND	30.47		6055.32
MW-11	06/06/17	6085.79	ND	30.22		6055.57
MW-11	11/13/17	6085.79	ND	30.31		6055.48
MW-11	05/17/18	6085.79	ND	30.88		6054.91
MW-11	10/26/18	6085.79	ND	31.31		6054.48

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-11	05/23/19	6085.79	ND	30.95		6054.84
MW-11	11/13/19	6085.79	ND	31.47		6054.32
MW-11	05/13/20	6085.79	ND	32.67		6053.12
MW-11	11/14/20	6085.79	ND	31.90		6053.89
MW-11	05/22/21	6085.79	ND	32.13		6053.66
MW-11	11/14/21	6085.79	ND	32.29		6053.50
MW-11	05/21/22	6085.79	ND	32.43		6053.36
MW-11	10/31/22	6085.79	ND	32.38		6053.41
MW-11	05/21/23	6085.79	ND	32.00		6053.79
MW-11	11/15/23	6085.79	ND	32.28		6053.51
MW-12	05/21/22	6081.93	ND	32.22		6049.71
MW-12	10/31/22	6081.93	ND	31.82		6050.11
MW-12	05/21/23	6081.93	ND	30.82		6051.11
MW-12	11/15/23	6081.93	ND	31.90		6050.03
MW-13	05/21/22	6082.39	ND	30.49		6051.90
MW-13	10/31/22	6082.39	ND	30.31		6052.08
MW-13	05/21/23	6082.39	ND	29.70		6052.69
MW-13	11/15/23	6082.39	ND	30.25		6052.14
BPMW-2	05/22/21	Unk.	NR	NR		Unk.
BPMW-2	08/22/21	Unk.	26.81	33.64	6.83	Unk.
BPMW-2	03/22/22	Unk.	34.15	34.30	0.15	Unk.
BPMW-2	07/30/22	Unk.	33.91	34.10	0.19	Unk.
BPMW-2	10/31/22	Unk.	33.60	33.70	0.10	Unk.
BPMW-2	05/21/23	Unk.	33.84	33.86	0.02	Unk.
BPMW-2	11/15/23	Unk.	33.61	33.64	0.03	Unk.

Notes:
"ft" = feet
"TOC" = Top of Casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"Unk." = Elevation Unknown
"NR" = Not recorded
"DRY" = No water detected
Groundwater elevation = Top of Casing elevation (TOC, ft) - Depth to Water [ft] + (LPH thickness [ft] x 0.75). A specific gravity of 0.75 is within the range of gas condensate (https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate)

FIGURES

FIGURE 1: SITE LOCATION

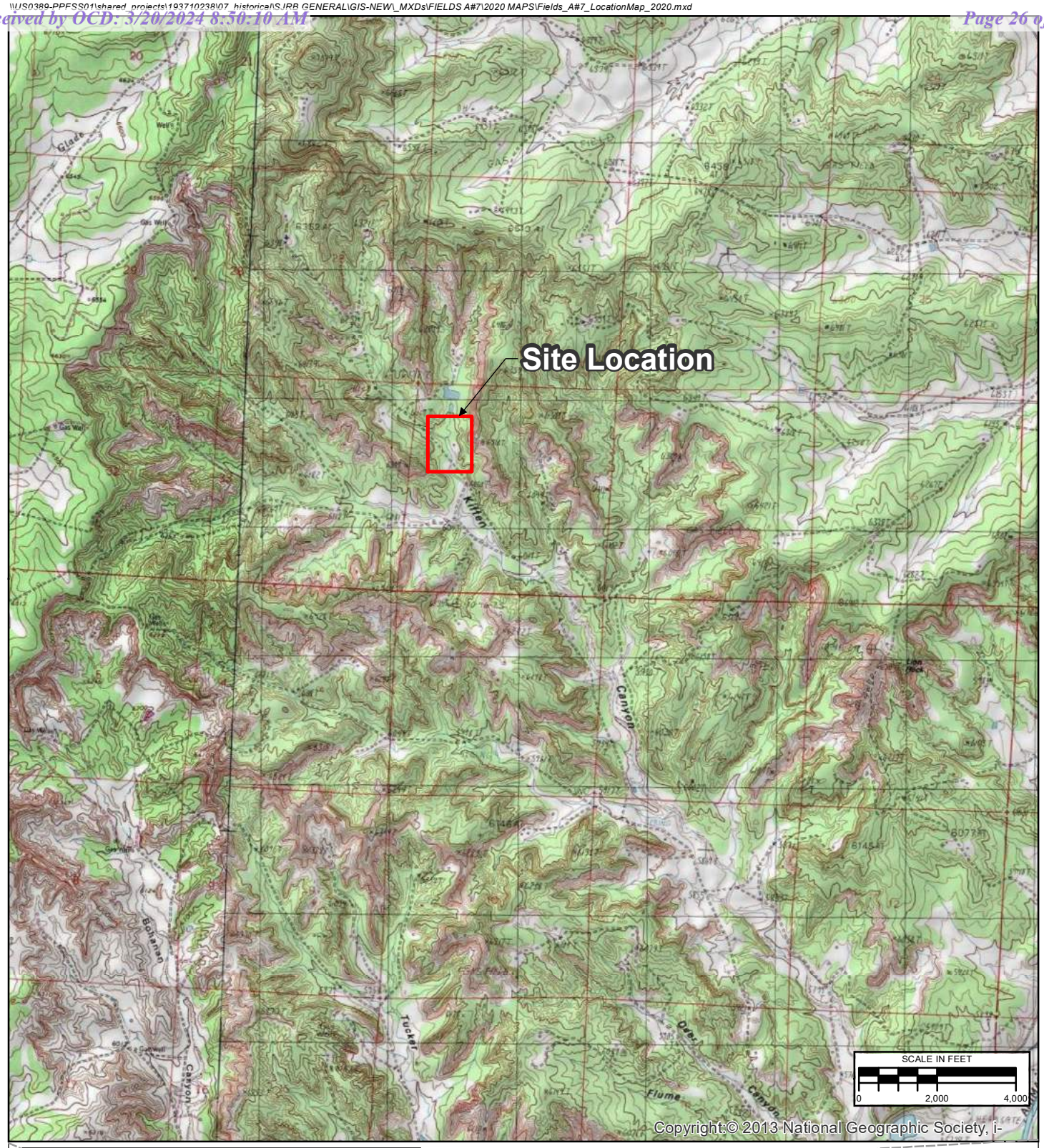
FIGURE 2: SITE PLAN

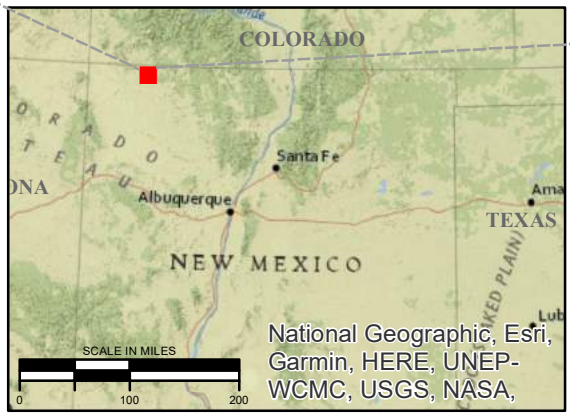
FIGURE 3: GROUNDWATER ANALYTICAL RESULTS – MAY 21, 2023

FIGURE 4: GROUNDWATER ELEVATION MAP – MAY 21, 2023

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – NOVEMBER 15, 2023

FIGURE 6: GROUNDWATER ELEVATION MAP – NOVEMBER 15, 2023





N

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/16/2021	SAH	SAH	SRV

TITLE
SITE LOCATION

Stantec

PROJECT
FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2023 MAPS\Fields_A#7_SITEMAP_2023.mxd

BPBH#1
TELEPHONE BOX
SEPARATOR
TANK
COMPRESSOR
FORMER 95 BBL BGT (REMOVED 09/2012)
TANK PIT, (BP)
PROD TANK, (BP)
COMPR., (BP)
T-1(BP)
TANK
FORMER BERM AND FENCE (REMOVED 09/2012)
TANK
TH-1(BP)
EXCAVATION PERIMETER 60FT. X 32 FT. X 13 FT. APR - MAY 2004, (BP)
SMA BENCHMARK ELEV. 6082.52' NAD 83 NAVD 88 STATE PLANE COORDINATE SYSTEM NEW MEXICO WEST
FORMER COMPRESSOR (2005-2011)
SEP., (BP)
TANK FILL
APPARENT DISTURBED AREA (08/2009)
FORMER COMPRESSOR (REMOVED 2005)
FORMER SEPARATOR (2005-2011)
MW-13
UNKNOWN PIT (TESTED 3/29/04), (BP)
PZ-1
MW-10
BPBH#2
FORMER BELOW GROUND TANK (BGT) (REMOVED 2005)
BPMW#1A
APPARENT DISTURBED AREA (08/2009)
PZ-4
MW-11
FORMER DEHYDRATOR PIT (CLOSED 3/29/04), (BP)
MW-12
FORMER DEHYDRATOR (REMOVED 2005)
MW-8
PZ-2
MW-1
BPMW#2 (VENT WELL)
SB-2
FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP
SB-1
FORMER BELOW GRADE TANK (REMOVED 2005)
FORMER DEHYDRATOR (REMOVED 2005)
MW-7
MW-9
METER HOUSE
WELLHEAD
MW-6
SEPARATOR PIT (CLOSED 3/24/04), (BP)
MW-5
PZ-3
BPMW#1
MW-2
MW-3
FORMER METER HOUSE (REMOVED 2005)
MW-4R
PZ-5
MW-4
WASH
Underground Electric Box
BPMW#3
AERIAL IMAGERY FROM GOOGLE EARTH, DATED 11.17.2013

LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- SMA BENCHMARK
- MONITORING WELL
- SOIL BORING
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP SOIL BORINGS
- WELLHEAD
- FORMER PIEZOMETER (1997)
- UNKNOWN LINE
- UNDERGROUND ELECTRIC
- NATURAL GAS LINE
- PRESSURIZED AIR
- COMMUNICATION
- BLM RIGHT OF WAY BOUNDARY
- HISTORICAL FEATURE

NOTES:

UTILITY LOCATIONS ARE APPROXIMATE

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-01-17	SAH	SAH	SV

TITLE:

SITE PLAN

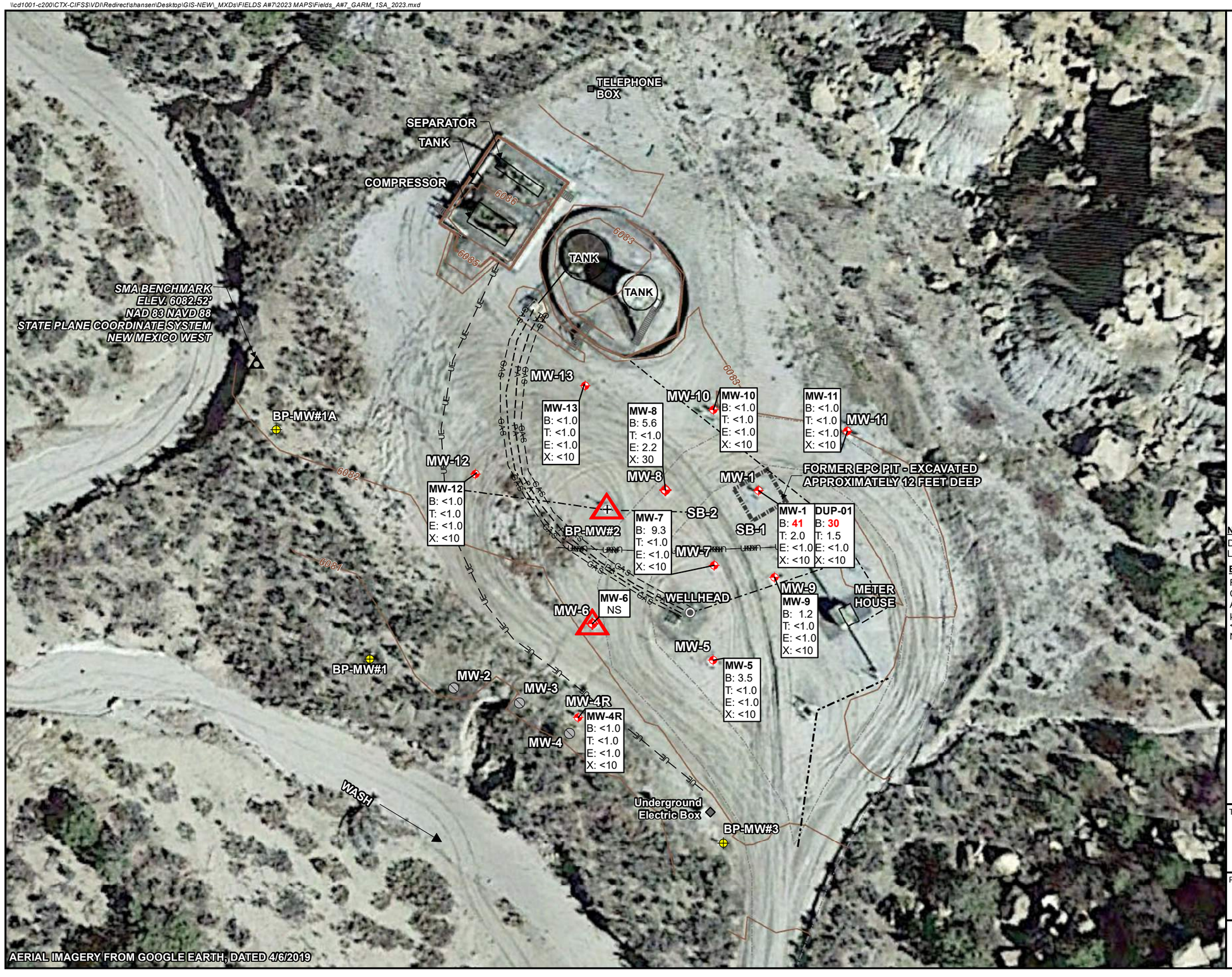
PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2023 MAPS\Fields_A#7_GARM_1SA_2023.mxd



LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<1 = BELOW REPORTING LIMIT
NS = NOT SAMPLED

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-21	SAH	SAH	SV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 21, 2023

PROJECT:
FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 3

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2023 MAPS\Fields_A#7_GECM_1SA_2023.mxd

LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

6051.11 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

6053 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-21	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 21, 2023

PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2023 MAPS\Fields_A#7_GARM_2SA_2023.mxd

LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<1 = BELOW REPORTING LIMIT
NS = NOT SAMPLED

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-28	SAH	SAH	SV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 15, 2023

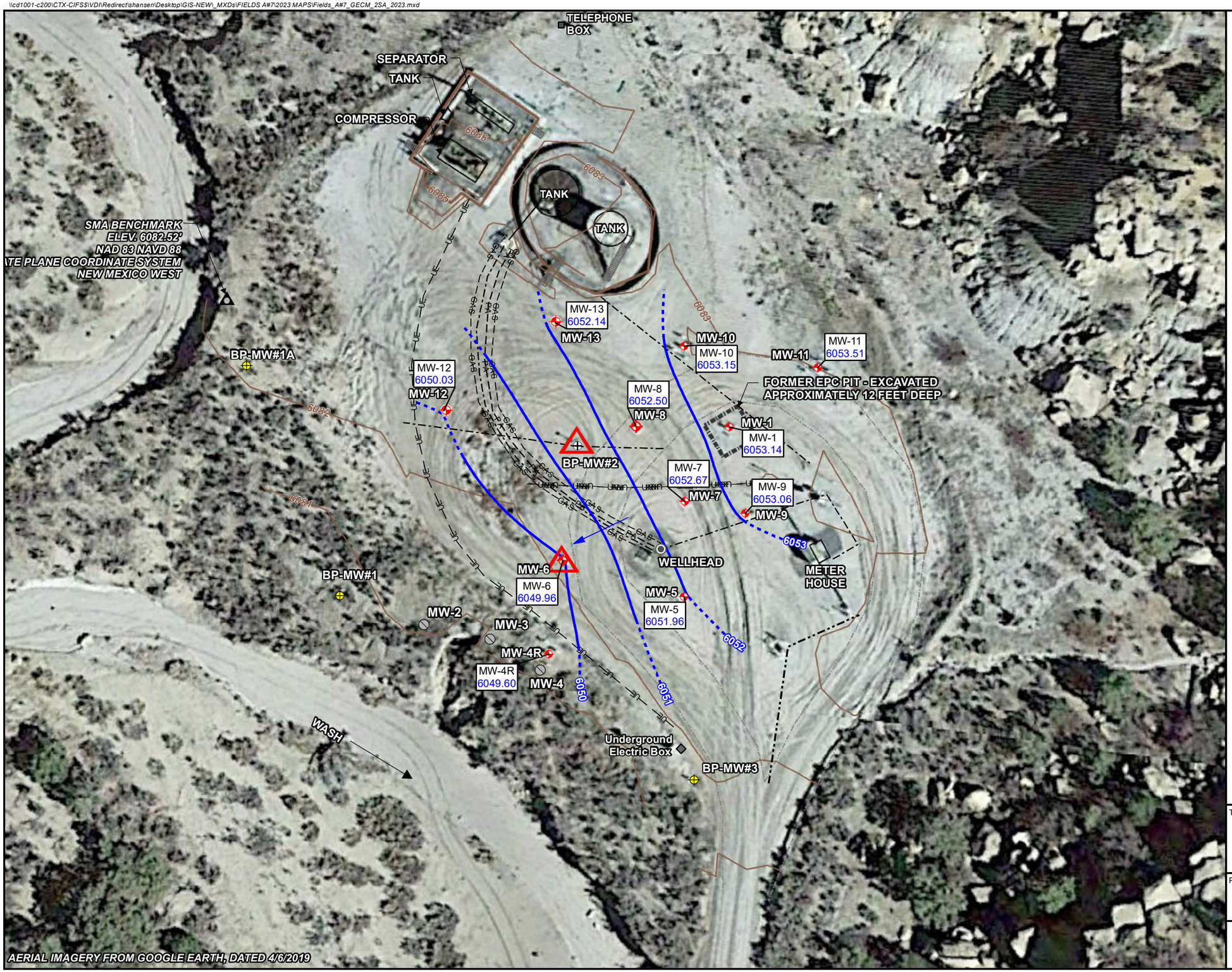
PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **5**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2023 MAPS\Fields_A#7_GECM_2SA_2023.mxd



LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

6052.14 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

6053 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-28	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 15, 2023

PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – SITE HISTORY

APPENDIX B – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX C – WASTE DISPOSAL DOCUMENTATION

APPENDIX D – GROUNDWATER ANALYTICAL LAB REPORTS

APPENDIX A

Site History

Fields A #7A
Site History
San Juan River Basin, New Mexico

Date	*Source (Regulatory File #)*	*Event/Action*	*Description/Comments*
4/1/1977	API # 30-045-22464	Application for Permit to Drill	Operator is El Paso Natural Gas Company
2/1/1978	API # 30-045-22464	Well Completion Report	Spudded 8/17/1977, completed 1/16/1978.
9/1/1985	API # 30-045-22464	Request for Allowable and Authorization to Transport Oil and Natural Gas	Change in ownership and transporter of condensate. Tenneco Oil Company is operator. Conoco Inc. Surface Transportation listed as transporter of condensate.
1/16/1989	API # 30-045-22464	Request for Allowable and Authorization to Transport Oil and Natural Gas	Operator changed to Amoco Production Company is operator.
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum to the Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan for include installation of additional wells for delienation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
6/2/1997	nAUTOfAB000176 (Case # 3RP-170)	Letter from EPFS to NMOCD	Groundwater encountered in exempt hydrocarbon unlined pits. Depth to water 21.8-28.8 feet at site. EPFS requests to submit annual reports.
8/6/1997	nAUTOfAB000176 (Case # 3RP-170)	NMOCD approval letter for the 6/2/1997 Semiannual Groundwater Report (EPFS)	Approval of semi-annual report.
2/27/1998	nAUTOfAB000176 (Case # 3RP-170)	Phillip Services' 1997 Annual Report (for EPFS)	Summarizes pit clsore, MW-1 through MW-4 installation, annual groundwater monitoring activities, LNAPL recovery from MW-1.

Fields A #7A
Site History
San Juan River Basin, New Mexico

7/8/1998	nAUTOfAB000176 (Case # 3RP-170)	NMOCD 1997 Annual Report review letter	NMOCD requests EPFS work cooperatively with operator to investigate and remediate the site.
7/9/1998	nAUTOfAB000176 (Case # 3RP-170)	Letter from NMOCD to Amoco	NMOCD requests Amoco cooperate with EPFS to investigate and remediate the site.
3/31/1999	nAUTOfAB000176 (Case # 3RP-170)	Phillip Services' 1998 Annual Report (for EPFS)	Quarterly groundwater monitoring activities. LNAPL recovery.
3/24/2000	nAUTOfAB000176 (Case # 3RP-170)	Phillip Services' 1999 Annual Report (for EPFS)	LNAPL recovery activities.
2/26/2001	nAUTOfAB000176 (Case # 3RP-170)	Phillip Services' 2000 Annual Report (for EPFS)	Skimmer installed in MW-1 for LNAPL recovery.
7/18/2001	nAUTOfAB000176 (Case # 3RP-170)	NMOCD 2000 Annual Report review letter	NMOCD requests EPFS work cooperatively with operator to investigate and remediate the site.
2/28/2002	nAUTOfAB000176 (Case # 3RP-170)	MWH 2001 Annual Report (for EPFS)	Annual groundwater monitoring and LNAPL recovery.
2/28/2003	nAUTOfAB000176 (Case # 3RP-170)	MWH 2002 Annual Report (for EPFS)	Annual groundwater monitoring and LNAPL recovery.
4/3/2003	nAUTOfAB000176 (Case # 3RP-170)	NMOCD 2002 Annual Report review letter	NMOCD requests EPFS install additional monitoring wells to determine extent of groundwater contamination.
2/26/2004	nAUTOfAB000176 (Case # 3RP-170)	MWH 2003 Annual Report (for EPFS)	Annual groundwater monitoring and LNAPL recovery.
2/21/2005	nAUTOfAB000176 (Case # 3RP-170)	MWH 2004 Annual Report (for EPFS)	Annual groundwater monitoring.
3/16/2006	nAUTOfAB000176 (Case # 3RP-170)	MWH 2005 Annual Report (for EPTPC)	Annual groundwater monitoring and LNAPL recovery. Access grant request submitted.
3/2/2007	nAUTOfAB000176 (Case # 3RP-170)	MWH 2006 Annual Report (for EPTPC)	Annual groundwater monitoring.
4/2/2008	nAUTOfAB000176 (Case # 3RP-170)	MWH 2007 Annual Report (for EPTPC)	Annual groundwater monitoring.
2/28/2009	nAUTOfAB000176 (Case # 3RP-170)	MWH 2008 Annual Report (for EPTPC)	Annual groundwater monitoring.
4/16/2010	nAUTOfAB000176 (Case # 3RP-170)	MWH 2009 Annual Report (for EPTPC)	Annual groundwater monitoring.
3/2/2011	nAUTOfAB000176 (Case # 3RP-170)	MWH 2010 Annual Report (for EPTPC)	Annual groundwater monitoring.
8/16/2012	nAUTOfAB000176 (Case # 3RP-170)	MWH Final 2011 Annual Report (for EPCGP)	Annual groundwater monitoring.

Fields A #7A
Site History
San Juan River Basin, New Mexico

9/6/2012	API # 30-045-22464	Blagg Engineering Field Report	Below ground tank closure with sampling conducted and contamination detected.
3/4/2014	nAUTOfAB000176 (Case # 3RP-170)	MWH 2013 Annual Report (for EPCGP)	Annual groundwater monitoring. Access agreement being pursued for installing additional monitoring wells.
3/6/2014	API # 30-045-22464	Release Notification and Corrective Action	Release associated with BGT.
5/28/2014	nAUTOfAB000176 (Case # 3RP-170)	MWH 2014 Monitoring Well Installation Work Plan (for EPCGP)	Eight new monitoring wells will be installed at the Site.
1/16/2015	nAUTOfAB000176 (Case # 3RP-170)	MWH 2014 Annual Report (for EPCGP)	Annual groundwater monitoring. Access agreement being pursued for installing additional monitoring wells.
2/11/2016	nAUTOfAB000176 (Case # 3RP-170)	Stantec 2015 Annual Report (for EPCGP)	Annual groundwater monitoring.
3/20/2017	nAUTOfAB000176 (Case # 3RP-170)	Stantec 2016 Annual Report (for EPCGP)	Eight monitoring wells (MW-4R, MW-5 through MW-11) installed and 2 soil borings advanced, MW-2 through MW-4 plugged and abandoned, semi-annual sampling.
9/18/2017	nAUTOfAB000176 (Case # 3RP-170)	Stantec Groundwater Monitoring Plan (for EPCGPC)	Semi-annual sampling proposed.
11/14/2017	nAUTOfAB000176 (Case # 3RP-170)	Letter from NMOCD to El Paso	Semi-annual sampling approved. NMOCD will open a file 3RP-1056 (Fields A#7A) related to BP releases.
3/2/2018	API # 30-045-22464	Release Notification and Corrective Action	C-141 documenting past releases from Amoco/BP include excavation activities, well logs and sampling results. BP contends remaining hydrocarbons are not BP's responsibility.
3/28/2018	nAUTOfAB000176 (Case # 3RP-170)	Stantec 2017 Annual Report (for EPCGP)	Semi-annual groundwater monitoring.
3/28/2019	Not in NMOCD files.	Stantec 2018 Annual Report (for EPCGP)	Semi-annual groundwater monitoring.
2/28/2020	API # 30-045-22464	Change of Operator	New operator is SIMCO LLC.
4/1/2020	Not in NMOCD files.	Stantec 2019 Annual Report (for EPCGP)	Semi-annual groundwater monitoring. Quarterly LNAPL recovery.
4/12/2021	nAUTOfAB000176	Stantec 2020 Annual Report (for EPCGP)	Semi-annual groundwater monitoring. Quarterly LNAPL recovery.

Fields A #7A
Site History
San Juan River Basin, New Mexico

3/22/2022	nAUTOfAB000176)	Stantec Monitoring Well Installation Activities Work Plan (for EPCGP)	Work Plan proposed two monitoring wells (MW-12 and MW-13) at the site.
3/30/2022	nAUTOfAB000176	Stantec 2021 Annual Report (for EPCGP)	Semi-annual groundwater monitoring. Quarterly LNAPL recovery.
3/22/2023	nAUTOfAB000176	Stantec 2022 Annual Report (for EPCGP)	Two additional monitoring wells were installed. Semi-annual groundwater monitoring. Quarterly LNAPL recovery.

APPENDIX B

NMOCD Notification of Site Activities

From: Varsa, Steve
To: nelson.valez@state.nm.us
Subject: FW: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Wednesday, March 22, 2023 9:51:09 PM

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Wednesday, March 22, 2023 9:33 PM
To: nelson.valez@state.nm
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: El Paso CGP Company - Notice of upcoming product recovery activities

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming quarterly product recovery activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	3/28/2023
Fields A#7A	nAUTOfAB000176	3/29/2023
Fogelson 4-1	nAUTOfAB000192	3/29/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	3/28/2023
James F. Bell #1E	nAUTOfAB000291	3/29/2023
Johnston Fed #4	nAUTOfAB000305	3/30/2023
K27 LDO72	nAUTOfAB000316	3/28/2023
Lateral L-40	nAUTOfAB000335	3/29/2023
State Gas Com N #1	nAUTOfAB000668	3/29/2023

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Friday, May 12, 2023 9:54:16 PM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	5/20/2023
Fields A#7A	nAUTOfAB000176	5/21/2023
Fogelson 4-1	nAUTOfAB000192	5/18/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/17/2023
GCU Com A #142E	nAUTOfAB000219	5/21/2023
James F. Bell #1E	nAUTOfAB000291	5/18/2023
Johnston Fed #4	nAUTOfAB000305	5/19/2023
Johnston Fed #6A	nAUTOfAB000309	5/19/2023
K27 LDO72	nAUTOfAB000316	5/20/2023
Knight #1	nAUTOfAB000324	5/17/2023
Lateral L 40 Line Drip	nAUTOfAB000335	5/21/2023
Sandoval GC A #1A	nAUTOfAB000635	5/19/2023
Standard Oil Com #1	nAUTOfAB000666	5/20/2023
State Gas Com N #1	nAUTOfAB000668	5/22/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Wednesday, May 17, 2023.

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Wednesday, August 16, 2023 1:56:00 PM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming quarterly product recovery activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	8/27/2023
Fields A#7A	nAUTOfAB000176	8/30/2023
Fogelson 4-1	nAUTOfAB000192	8/31/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	8/31/2023
James F. Bell #1E	nAUTOfAB000291	8/25/2023
Johnston Fed #4	nAUTOfAB000305	8/30/2023
K27 LDO72	nAUTOfAB000316	8/31/2023
State Gas Com N #1	nAUTOfAB000668	8/29/2023

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:17:33 AM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	11/12/2023
Fields A#7A	nAUTOfAB000176	11/15/2023
Fogelson 4-1	nAUTOfAB000192	11/8/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/9/2023
GCU Com A #142E	nAUTOfAB000219	11/9/2023
James F. Bell #1E	nAUTOfAB000291	11/15/2023
Johnston Fed #4	nAUTOfAB000305	11/11/2023
Johnston Fed #6A	nAUTOfAB000309	11/11/2023
K27 LDO72	nAUTOfAB000316	11/12/2023
Knight #1	nAUTOfAB000324	11/7/2023
Lateral L 40 Line Drip	nAUTOfAB000335	11/16/2023
Sandoval GC A #1A	nAUTOfAB000635	11/11/2023
Standard Oil Com #1	nAUTOfAB000666	11/12/2023
State Gas Com N #1	nAUTOfAB000668	11/10/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Tuesday, November 7, 2023.

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX C

Waste Disposal Documentation

envirotech

Bill of Lading

MANIFEST # 78476
GENERATOR Kinder morgan
POINT OF ORIGIN ELPaso pit sites
TRANSPORTER Envirotech
DATE 03/31/23 JOB # 14073-0073

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tankbottoms			1			991	1130	byGayR
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-251	CHLORIDE TEST	1	Cay Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 78476

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/31/23 TIME 1130

Attach test strip here

CUSTOMER Kinder Morgan

SITE ELPaso Pit Sites

DRIVER by Gary Robinson

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 281 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1130 Time completed 1142

PASS YES X NO _____

SAMPLER/ANALYST Cory Robinson

5796 US Hwy 64, Farmington, NM 87401 Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

Bill of Lading

MANIFEST # 79427
GENERATOR Kinder Morgan (Picked up from)
POINT OF ORIGIN Rio Vista Comp Station *
TRANSPORTER Envirotech
DATE 5/22/2023 JOB # 14073-0073

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Contaminated Water				1		992/705	1550	
						1/1				
									SCANNED	

RESULTS		
-251	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
Pass	PAINT FILTER TEST	1

LANDFARM EMPLOYEE

☐ Soil w/ Debris ☑ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out

NOTES
* From San Juan River Plant, Blanco N. Flare, and numerous pit sites.

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact Sean Cleary Phone (515) 557-0109

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BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550

Attach test strip here

CUSTOMER Kinder Morgan

SITE Rio Vista Comp Station SJ River Plant Blanco N Plant Aluminous Pits sites

DRIVER [redacted]

SAMPLE Soil Straight _____ With Dirt ✓

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 1550 Time completed 1600

PASS YES ✓ NO _____

SAMPLER/ANALYST [redacted]

5796 US Hwy 64, Farmington, NM 87401 | Ph (505) 632-0615 / Fr (800) 362-1879 Fx (505) 632-1865 | info@envirotech-inc.com envirotech-inc.com

envirotech

Bill of Lading

MANIFEST # 81123 8 pit sites
GENERATOR Kinder Morgan
POINT OF ORIGIN Rio Vista Comp
TRANSPORTER Envirotech
DATE 09/01/23 JOB # 14073-0073

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank Bottoms Cont Liquid			1		—	958	1025	
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1	Corey Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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0073

envirotech

BOL# 31123

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 09/01/23 TIME 1025 Attach test strip here

CUSTOMER ~~Rio Vista Co~~ Kindermorgan

SITE Rio Vista Comp

DRIVER ~~Santos Fuentes~~

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1025 Time completed 1035

PASS YES X NO _____

SAMPLER/ANALYST Gary Robinson

5796 US Hwy 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 | info@envirotech-inc.com envirotech-inc.com

envirotech

Bill of Lading

MANIFEST # 82577
GENERATOR El Paso
POINT OF ORIGIN See the C-138 for list of sites
TRANSPORTER Envirotech
DATE 11/16/23 JOB # 14073-0081

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	B'F	Tank bottoms			1	—	—	725	1430	
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1		
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

CUSTOMER El Paso

SITE See Bol 82577

DRIVER Stoven by Gomez

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

Attach test strip here

5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com

APPENDIX D

Groundwater Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 6/13/2023 5:56:27 PM

JOB DESCRIPTION

Fields A#7A.00
SDG NUMBER Fields A#7A

JOB NUMBER

400-238136-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

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Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Laboratory Job ID: 400-238136-1
SDG: Fields A#7A

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Job ID: 400-238136-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-238136-1

Receipt
The samples were received on 5/23/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-238136-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-238136-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	30		1.0		ug/L	1		8260D	Total/NA
Toluene	1.5		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 400-238136-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	41		1.0		ug/L	1		8260D	Total/NA
Toluene	2.0		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 400-238136-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-238136-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.5		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 400-238136-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.3		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 400-238136-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.6		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	2.2		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total	30		10		ug/L	1		8260D	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-238136-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 400-238136-9

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-238136-10

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 400-238136-11

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-238136-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-238136-1	TRIP BLANK	Water	05/21/23 09:00	05/23/23 09:10
400-238136-2	DUP-01	Water	05/21/23 09:05	05/23/23 09:10
400-238136-3	MW-1	Water	05/21/23 10:30	05/23/23 09:10
400-238136-4	MW-4R	Water	05/21/23 10:20	05/23/23 09:10
400-238136-5	MW-5	Water	05/21/23 10:45	05/23/23 09:10
400-238136-6	MW-7	Water	05/21/23 10:10	05/23/23 09:10
400-238136-7	MW-8	Water	05/21/23 10:50	05/23/23 09:10
400-238136-8	MW-9	Water	05/21/23 10:15	05/23/23 09:10
400-238136-9	MW-10	Water	05/21/23 10:35	05/23/23 09:10
400-238136-10	MW-11	Water	05/21/23 10:00	05/23/23 09:10
400-238136-11	MW-12	Water	05/21/23 09:55	05/23/23 09:10
400-238136-12	MW-13	Water	05/21/23 09:50	05/23/23 09:10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: TRIP BLANK

Date Collected: 05/21/23 09:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 19:17	1
Toluene	<1.0		1.0		ug/L			06/02/23 19:17	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 19:17	1
Xylenes, Total	<10		10		ug/L			06/02/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/02/23 19:17*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 19:17*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 19:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: DUP-01

Date Collected: 05/21/23 09:05
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**30**		1.0		ug/L			06/02/23 17:39	1
Toluene	**1.5**		1.0		ug/L			06/02/23 17:39	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 17:39	1
Xylenes, Total	<10		10		ug/L			06/02/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/02/23 17:39*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*06/02/23 17:39*	*1*
4-Bromofluorobenzene	*94*		*72 - 130*		*06/02/23 17:39*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-1

Date Collected: 05/21/23 10:30
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41**		1.0		ug/L			06/02/23 17:58	1
Toluene	**2.0**		1.0		ug/L			06/02/23 17:58	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 17:58	1
Xylenes, Total	<10		10		ug/L			06/02/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 17:58*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*06/02/23 17:58*	*1*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/02/23 17:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-4R

Date Collected: 05/21/23 10:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 19:37	1
Toluene	<1.0		1.0		ug/L			06/02/23 19:37	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 19:37	1
Xylenes, Total	<10		10		ug/L			06/02/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 19:37*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 19:37*	*1*
4-Bromofluorobenzene	*97*		*72 - 130*		*06/02/23 19:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-5

Date Collected: 05/21/23 10:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.5**		1.0		ug/L			06/02/23 19:56	1
Toluene	<1.0		1.0		ug/L			06/02/23 19:56	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 19:56	1
Xylenes, Total	<10		10		ug/L			06/02/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/02/23 19:56*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*06/02/23 19:56*	*1*
4-Bromofluorobenzene	*92*		*72 - 130*		*06/02/23 19:56*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-7

Date Collected: 05/21/23 10:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.3**		1.0		ug/L			06/02/23 20:16	1
Toluene	<1.0		1.0		ug/L			06/02/23 20:16	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 20:16	1
Xylenes, Total	<10		10		ug/L			06/02/23 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 20:16*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 20:16*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 20:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-8
Date Collected: 05/21/23 10:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.6**		1.0		ug/L			06/02/23 20:36	1
Toluene	<1.0		1.0		ug/L			06/02/23 20:36	1
Ethylbenzene	**2.2**		1.0		ug/L			06/02/23 20:36	1
Xylenes, Total	**30**		10		ug/L			06/02/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 20:36*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*06/02/23 20:36*	*1*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/02/23 20:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-9

Date Collected: 05/21/23 10:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.2**		1.0		ug/L			06/02/23 20:55	1
Toluene	<1.0		1.0		ug/L			06/02/23 20:55	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 20:55	1
Xylenes, Total	<10		10		ug/L			06/02/23 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 20:55*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*06/02/23 20:55*	*1*
4-Bromofluorobenzene	*92*		*72 - 130*		*06/02/23 20:55*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-10

Date Collected: 05/21/23 10:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 21:15	1
Toluene	<1.0		1.0		ug/L			06/02/23 21:15	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 21:15	1
Xylenes, Total	<10		10		ug/L			06/02/23 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/02/23 21:15*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 21:15*	*1*
4-Bromofluorobenzene	*90*		*72 - 130*		*06/02/23 21:15*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-11

Date Collected: 05/21/23 10:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 21:35	1
Toluene	<1.0		1.0		ug/L			06/02/23 21:35	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 21:35	1
Xylenes, Total	<10		10		ug/L			06/02/23 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 21:35*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*06/02/23 21:35*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 21:35*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-12

Date Collected: 05/21/23 09:55
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 21:54	1
Toluene	<1.0		1.0		ug/L			06/02/23 21:54	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 21:54	1
Xylenes, Total	<10		10		ug/L			06/02/23 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/02/23 21:54*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*06/02/23 21:54*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 21:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-13

Date Collected: 05/21/23 09:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 22:14	1
Toluene	<1.0		1.0		ug/L			06/02/23 22:14	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 22:14	1
Xylenes, Total	<10		10		ug/L			06/02/23 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*06/02/23 22:14*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/02/23 22:14*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 22:14*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: TRIP BLANK
Date Collected: 05/21/23 09:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 19:17	WPD	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/21/23 09:05
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 17:39	WPD	EET PEN

Client Sample ID: MW-1
Date Collected: 05/21/23 10:30
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 17:58	WPD	EET PEN

Client Sample ID: MW-4R
Date Collected: 05/21/23 10:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 19:37	WPD	EET PEN

Client Sample ID: MW-5
Date Collected: 05/21/23 10:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 19:56	WPD	EET PEN

Client Sample ID: MW-7
Date Collected: 05/21/23 10:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 20:16	WPD	EET PEN

Client Sample ID: MW-8
Date Collected: 05/21/23 10:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 20:36	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: MW-9
Date Collected: 05/21/23 10:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 20:55	WPD	EET PEN

Client Sample ID: MW-10
Date Collected: 05/21/23 10:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 21:15	WPD	EET PEN

Client Sample ID: MW-11
Date Collected: 05/21/23 10:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 21:35	WPD	EET PEN

Client Sample ID: MW-12
Date Collected: 05/21/23 09:55
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 21:54	WPD	EET PEN

Client Sample ID: MW-13
Date Collected: 05/21/23 09:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 22:14	WPD	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-627613/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 17:03	WPD	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-627613/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 16:03	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Client Sample ID: DUP-01
Date Collected: 05/21/23 09:05
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-2 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 18:18	WPD	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/21/23 09:05
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238136-2 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627613	06/02/23 18:38	WPD	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

GC/MS VOA

Analysis Batch: 627613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238136-1	TRIP BLANK	Total/NA	Water	8260D	
400-238136-2	DUP-01	Total/NA	Water	8260D	
400-238136-3	MW-1	Total/NA	Water	8260D	
400-238136-4	MW-4R	Total/NA	Water	8260D	
400-238136-5	MW-5	Total/NA	Water	8260D	
400-238136-6	MW-7	Total/NA	Water	8260D	
400-238136-7	MW-8	Total/NA	Water	8260D	
400-238136-8	MW-9	Total/NA	Water	8260D	
400-238136-9	MW-10	Total/NA	Water	8260D	
400-238136-10	MW-11	Total/NA	Water	8260D	
400-238136-11	MW-12	Total/NA	Water	8260D	
400-238136-12	MW-13	Total/NA	Water	8260D	
MB 400-627613/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627613/1002	Lab Control Sample	Total/NA	Water	8260D	
400-238136-2 MS	DUP-01	Total/NA	Water	8260D	
400-238136-2 MSD	DUP-01	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-627613/4
Matrix: Water
Analysis Batch: 627613

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 17:03	1
Toluene	<1.0		1.0		ug/L			06/02/23 17:03	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 17:03	1
Xylenes, Total	<10		10		ug/L			06/02/23 17:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/02/23 17:03*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 17:03*	*1*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/02/23 17:03*	*1*

Lab Sample ID: LCS 400-627613/1002
Matrix: Water
Analysis Batch: 627613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.5		ug/L		97	70 - 130
Toluene	50.0	50.9		ug/L		102	70 - 130
Ethylbenzene	50.0	50.2		ug/L		100	70 - 130
Xylenes, Total	100	97.6		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*67 - 134*
Toluene-d8 (Surr)	*100*		*64 - 132*
Dibromofluoromethane	*93*		*75 - 126*
4-Bromofluorobenzene	*99*		*72 - 130*

Lab Sample ID: 400-238136-2 MS
Matrix: Water
Analysis Batch: 627613

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	30		50.0	75.0		ug/L		89	56 - 142
Toluene	1.5		50.0	47.4		ug/L		92	65 - 130
Ethylbenzene	<1.0		50.0	44.6		ug/L		89	58 - 131
Xylenes, Total	<10		100	92.9		ug/L		87	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*67 - 134*
Toluene-d8 (Surr)	*100*		*64 - 132*
Dibromofluoromethane	*94*		*75 - 126*
4-Bromofluorobenzene	*99*		*72 - 130*

Lab Sample ID: 400-238136-2 MSD
Matrix: Water
Analysis Batch: 627613

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	30		50.0	71.7		ug/L		83	56 - 142	4	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-238136-2 MSD
Matrix: Water
Analysis Batch: 627613

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	1.5		50.0	45.1		ug/L		87	65 - 130	5	30
Ethylbenzene	<1.0		50.0	42.4		ug/L		85	58 - 131	5	30
Xylenes, Total	<10		100	87.7		ug/L		82	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*67 - 134*
Toluene-d8 (Surr)	*98*		*64 - 132*
Dibromofluoromethane	*93*		*75 - 126*
4-Bromofluorobenzene	*99*		*72 - 130*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Sarah Gardner	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120296-41354.1
Client Contact: Joe Wiley	Phone: 303 291-2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040035			
Email: joe.wiley@kindermorgan.com	WO #: Fields A#7A_ERG_ARF_04-26-2023			
Project Name: Fields A#7A.00	Project #: 40015823			
Site: Fields A#7A	SSOW#:			

Analysis Requested

400-238136 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank	5/21/23	900	—	Water	—		2	2	Trip Blank
DUP-01	5/21/23	905	G	Water	—		2	2	
MW-1	5/21/23	1030	G	Water	—		2	2	
MW-4R	5/21/23	1020	G	Water	—		2	2	
MW-5	5/21/23	1045	G	Water	—		2	2	
MW-7	5/21/23	1010	G	Water	—		2	2	
MW-8	5/21/23	1050	G	Water	—		2	2	
MW-9	5/21/23	1015	G	Water	—		2	2	
MW-10	5/21/23	1035	G	Water	—		2	2	
MW-11	5/21/23	1000	G	Water	—		2	2	
MW-12	5/21/23	955	G	Water	—		2	2	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	5/22/23 1200	Stantec	[signature]	5/23/23 910	EETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1°C IR8

Ver: 06/08/2021

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Sarah Gardner	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120296-41354.2
Client Contact: Joe Wiley	Phone: 303 291 2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040035			
Email: joe.wiley@kindermorgan.com	WO #: Fields A#7A_ERG_ARF_04-26-2023			
Project Name: Fields A#7A.00	Project #: 40015823			
Site: Fields A#7A	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
Preservation Code:						A		
mw-13	5/21/23	950	G	Water	—	2	2	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sarah Gardner	5/22/23 1200	Stantec		5/23/23 910	ETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.1°C IR 8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-238136-1
SDG Number: Fields A#7A

Login Number: 238136
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-238136-1
SDG: Fields A#7A

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 12/5/2023 9:21:32 AM

JOB DESCRIPTION

Fields A#7A.00

JOB NUMBER

400-246874-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
12/5/2023 9:21:32 AM

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Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Laboratory Job ID: 400-246874-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Job ID: 400-246874-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-246874-1

Receipt
The samples were received on 11/16/2023 10:27 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-246874-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-1 — Lab Sample ID: 400-246874-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	550		5.0		ug/L	5		8260D	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 400-246874-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.5		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-246874-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	49		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 400-246874-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.8		1.0		ug/L	1		8260D	Total/NA
Toluene	1.3		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 400-246874-5

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-246874-6

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 400-246874-7

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-246874-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.8		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: TB-01 — Lab Sample ID: 400-246874-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246874-1	MW-1	Water	11/15/23 13:21	11/16/23 10:27
400-246874-2	MW-4R	Water	11/15/23 13:27	11/16/23 10:27
400-246874-3	MW-5	Water	11/15/23 13:33	11/16/23 10:27
400-246874-4	MW-7	Water	11/15/23 13:10	11/16/23 10:27
400-246874-5	MW-8	Water	11/15/23 13:39	11/16/23 10:27
400-246874-6	MW-10	Water	11/15/23 13:44	11/16/23 10:27
400-246874-7	MW-12	Water	11/15/23 13:51	11/16/23 10:27
400-246874-8	DUP-01	Water	11/15/23 00:00	11/16/23 10:27
400-246874-9	TB-01	Water	11/15/23 13:00	11/16/23 10:27

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-1

Date Collected: 11/15/23 13:21
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**550**		5.0		ug/L			11/24/23 21:12	5
Ethylbenzene	<5.0		5.0		ug/L			11/24/23 21:12	5
Toluene	<5.0		5.0		ug/L			11/24/23 21:12	5
Xylenes, Total	<50		50		ug/L			11/24/23 21:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/24/23 21:12*	*5*
Dibromofluoromethane	*84*		*75 - 126*		*11/24/23 21:12*	*5*
Toluene-d8 (Surr)	*108*		*64 - 132*		*11/24/23 21:12*	*5*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-4R
Date Collected: 11/15/23 13:27
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.5**		1.0		ug/L			11/24/23 18:18	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 18:18	1
Toluene	<1.0		1.0		ug/L			11/24/23 18:18	1
Xylenes, Total	<10		10		ug/L			11/24/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*11/24/23 18:18*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/24/23 18:18*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 18:18*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-5
Date Collected: 11/15/23 13:33
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**49**		1.0		ug/L			11/24/23 18:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 18:43	1
Toluene	<1.0		1.0		ug/L			11/24/23 18:43	1
Xylenes, Total	<10		10		ug/L			11/24/23 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*11/24/23 18:43*	*1*
Dibromofluoromethane	*85*		*75 - 126*		*11/24/23 18:43*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 18:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-7

Date Collected: 11/15/23 13:10
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.8**		1.0		ug/L			11/24/23 19:08	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 19:08	1
Toluene	**1.3**		1.0		ug/L			11/24/23 19:08	1
Xylenes, Total	<10		10		ug/L			11/24/23 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 130*		*11/24/23 19:08*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/24/23 19:08*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 19:08*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-8

Date Collected: 11/15/23 13:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/23 19:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 19:33	1
Toluene	<1.0		1.0		ug/L			11/24/23 19:33	1
Xylenes, Total	<10		10		ug/L			11/24/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*11/24/23 19:33*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/24/23 19:33*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 19:33*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-10

Date Collected: 11/15/23 13:44
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/23 19:58	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 19:58	1
Toluene	<1.0		1.0		ug/L			11/24/23 19:58	1
Xylenes, Total	<10		10		ug/L			11/24/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/24/23 19:58*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*11/24/23 19:58*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/24/23 19:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-12
Date Collected: 11/15/23 13:51
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/23 20:23	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 20:23	1
Toluene	<1.0		1.0		ug/L			11/24/23 20:23	1
Xylenes, Total	<10		10		ug/L			11/24/23 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 130*		*11/24/23 20:23*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*11/24/23 20:23*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 20:23*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: DUP-01
Date Collected: 11/15/23 00:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.8**		1.0		ug/L			11/24/23 20:47	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 20:47	1
Toluene	<1.0		1.0		ug/L			11/24/23 20:47	1
Xylenes, Total	<10		10		ug/L			11/24/23 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/24/23 20:47*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/24/23 20:47*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/24/23 20:47*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: TB-01

Date Collected: 11/15/23 13:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/23 14:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 14:33	1
Toluene	<1.0		1.0		ug/L			11/24/23 14:33	1
Xylenes, Total	<10		10		ug/L			11/24/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/24/23 14:33*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*11/24/23 14:33*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/24/23 14:33*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: MW-1
Date Collected: 11/15/23 13:21
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	651606	11/24/23 21:12	BPO	EET PEN

Client Sample ID: MW-4R
Date Collected: 11/15/23 13:27
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 18:18	BPO	EET PEN

Client Sample ID: MW-5
Date Collected: 11/15/23 13:33
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 18:43	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 11/15/23 13:10
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 19:08	BPO	EET PEN

Client Sample ID: MW-8
Date Collected: 11/15/23 13:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 19:33	BPO	EET PEN

Client Sample ID: MW-10
Date Collected: 11/15/23 13:44
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 19:58	BPO	EET PEN

Client Sample ID: MW-12
Date Collected: 11/15/23 13:51
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 20:23	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Client Sample ID: DUP-01
Date Collected: 11/15/23 00:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 20:47	BPO	EET PEN

Client Sample ID: TB-01
Date Collected: 11/15/23 13:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246874-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 14:33	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-651606/3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 11:13	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-651606/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651606	11/24/23 10:12	BPO	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

GC/MS VOA

Analysis Batch: 651606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246874-1	MW-1	Total/NA	Water	8260D	
400-246874-2	MW-4R	Total/NA	Water	8260D	
400-246874-3	MW-5	Total/NA	Water	8260D	
400-246874-4	MW-7	Total/NA	Water	8260D	
400-246874-5	MW-8	Total/NA	Water	8260D	
400-246874-6	MW-10	Total/NA	Water	8260D	
400-246874-7	MW-12	Total/NA	Water	8260D	
400-246874-8	DUP-01	Total/NA	Water	8260D	
400-246874-9	TB-01	Total/NA	Water	8260D	
MB 400-651606/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651606/1001	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A.00

Job ID: 400-246874-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-651606/3
Matrix: Water
Analysis Batch: 651606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/23 11:13	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/23 11:13	1
Toluene	<1.0		1.0		ug/L			11/24/23 11:13	1
Xylenes, Total	<10		10		ug/L			11/24/23 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/24/23 11:13*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*11/24/23 11:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/24/23 11:13*	*1*

Lab Sample ID: LCS 400-651606/1001
Matrix: Water
Analysis Batch: 651606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.5		ug/L		99	70 - 130
m-Xylene & p-Xylene	50.0	56.6		ug/L		113	70 - 130
o-Xylene	50.0	55.3		ug/L		111	70 - 130
Ethylbenzene	50.0	55.5		ug/L		111	70 - 130
Toluene	50.0	54.0		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*67 - 134*
4-Bromofluorobenzene	*108*		*72 - 130*
Dibromofluoromethane	*100*		*75 - 126*
Toluene-d8 (Surr)	*104*		*64 - 132*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

400-246874 COC

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-124045-41354.1
Client Contact: Joe Wiley	Phone: 515-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040035			
Email: joe.wiley@kindermorgan.com	WO #: Fields A#7A_ERG_ARF_10_24_2023			
Project Name: Fields A#7A.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-1	11/15/2023	1324	G	Water	N	N	X		
MW-4R	11/15/2023	1327	G	Water	N	N	X		
MW-5	11/15/2023	1333	G	Water	N	N	X		
MW-7	11/15/2023	1310	G	Water	N	N	X		
MW-8	11/15/2023	1339	G	Water	N	N	X		
MW-10	11/15/2023	1344	G	Water	N	N	X		
MW-12	11/15/2023	1351	G	Water	N	N	X		
DUP-01	11/15/2023	—	G	Water	N	N	X		
TB-01	11/15/2023	1300	G	Water	N	N	X		
ERB				Water			ERB		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Eric Bradley	11/15/2023 1500	STN	T.E.	11/16/23 1027	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.
		2.8° CIR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246874-1

Login Number: 246874 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Earnest, Tamantha

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246874-1
Project/Site: Fields A#7A.00

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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 324930

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 324930
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	2023 Annual Groundwater Report for Fields A#7a 1. Accepted for the record	4/30/2024