Review of the 2020 ANNUAL GROUNDWATER REPORT: Content satisfactory

1. Complete groundwater monitoring events on a semi-annual basis
2. Pursuant to OCD's correspondence dated April 2, 2020, quarterly site visits will continue in 2021 to facilitate removal of measurable free product via hand bailing where it is present
3. The completed 2021 Annual Report is to be submitted no later than March 31, 2022

2020 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #124E
Incident Number: nAUTOfAB000205
NMOCD Case#: 3RP-407-0
Meter Code: 95608
T28N, R12W, Sec 35, Unit N

SITE DETAILS

Site Location: Latitude: 36.614105 N, Longitude: -108.083662 W
Land Type: Navajo
Operator: Simcoe LLC

SITE BACKGROUND

Environmental Remediation activities at Gallegos Canyon Unit #124E (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 and is active.

The Site is located on Navajo Agricultural Products Industry land. An initial site assessment was completed in January 1995, and an excavation to approximately 12 feet below ground surface (bgs) was completed in October 1995, removing approximately 196 cubic yards (cy) of soil. Monitoring wells were installed in 1995 (MW-1) and 2013 (MW-2 through MW-7). Monitoring well MW-2 was plugged and abandoned on January 19, 2014. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Three mobile dual phase extraction (MDPE) events were completed in 2017 to help abate free product from monitoring well MW-1, including one 72-hour event and two 24-hour events. Currently, groundwater sampling is conducted on a semi-annual basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec Consulting Services Inc. (Stantec) provided field work notifications via electronic mail (email) to the NMOCD on May 5, 2020 and November 5, 2020, prior to initiating groundwater sampling activities at the Site. Copies of the 2020 NMOCD notifications are provided in Appendix A. On May 16 and November 11, 2020, water levels were gauged at MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7. During both events, groundwater samples were collected from MW-3, MW-4, MW-6. During the November 2020 event a groundwater sample was also collected from MW-7. Free product was detected at MW-1 and MW-5 during both events; therefore, no groundwater samples were collected from these locations. Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event approximately 0.5 foot above the bottom of the well screen using a suspension tether and stainless-steel weights to collect a sample from the screened interval.

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

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The unused sample water was combined in a waste container and transported to Basin Disposal, Inc. (Basin) in Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix B.

FREE PRODUCT RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly free product recovery activities in the second calendar quarter of 2020. Documentation of NMOCD notification of site activities is provided in Appendix A. Free product was observed and recovered in monitoring wells MW-1 and MW-5 during the May, August, and November 2020 events.

In May 2020, 0.24 feet and 0.16 feet of free product were measured in MW-1 and MW-5, respectively, with 0.11 gallons and 0.02 gallons were recovered, respectively. In August 2020, 0.11 feet and 0.03 feet of free product were measured in MW-1 and MW-5, respectively, and 0.05 gallons and 0.01 gallons were recovered, respectively. In November 2020, 0.02 feet and 0.01 feet of free product were measured in MW-1 and MW-5, with less than 0.01 gallons recovered from each well. Free product was recovered by hand-bailing. During the groundwater sampling site visits, the recovered free product was disposed of with wastewater generated during the monitoring well sampling activities. Recovered free product from the August site visit was also transported for disposal at Basin (Appendix B).

SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1 and Table 2, respectively. Free product recovery data is summarized on Table 3.

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2020 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix C.

GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was to the west-southwest during 2020 (see Figures 3 and 5).
- Free product was observed in MW-1 and MW-5 during the May and November 2020 groundwater sampling events; therefore, no groundwater samples were collected at these locations.
- Detectable concentrations of benzene were not reported in groundwater samples collected in 2020 from Site monitoring wells.
- Detectable concentrations of toluene were not reported in groundwater samples collected in 2020 from the Site monitoring wells.

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- Detectable concentrations of ethylbenzene were not reported in groundwater samples collected in 2020 from the Site monitoring wells.
- No detectable xylenes concentrations were reported for groundwater samples collected in 2020 from the Site monitoring wells.
- A field duplicate was collected from MW-3 for both 2020 monitoring events. No significant differences were noted between the primary and the duplicate samples for both groundwater sampling events.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2020 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Semi-annual groundwater monitoring is to continue in 2021. Groundwater samples will be collected from monitoring wells not containing free product. If encountered while on-site, free product will be hand-bailed, and recovered fluids transported to Basin for disposal. A field duplicate and trip blank will also be collected during each groundwater sampling event. The samples, field duplicate and trip blank will be analyzed for BTEX constituents using EPA Method 8260.

Pursuant to April 2, 2020 correspondence from NMOCD, quarterly site visits will continue in 2021 to facilitate removal of measurable free product via hand bailing where it is present.

The activities completed in 2021 and their results will be summarized in the 2021 Annual Report, to be submitted in early 2022.

TABLES

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Gallegos Canyon Unit #124E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	06/25/98	340	271	111	510
MW-1	09/14/98	410	251	68.3	220
MW-1	12/15/98	710	1300	160	940
MW-1	03/16/99	2960	5130	367	2890
MW-1	10/05/00	NS	NS	NS	NS
MW-1	11/15/00	NS	NS	NS	NS
MW-1	12/20/00	NS	NS	NS	NS
MW-1	01/09/01	NS	NS	NS	NS
MW-1	01/15/01	NS	NS	NS	NS
MW-1	01/22/01	NS	NS	NS	NS
MW-1	01/30/01	NS	NS	NS	NS
MW-1	03/12/01	NS	NS	NS	NS
MW-1	06/05/01	NS	NS	NS	NS
MW-1	07/13/01	NS	NS	NS	NS
MW-1	08/02/01	NS	NS	NS	NS
MW-1	08/31/01	NS	NS	NS	NS
MW-1	09/21/01	NS	NS	NS	NS
MW-1	10/02/01	NS	NS	NS	NS
MW-1	01/02/02	NS	NS	NS	NS
MW-1	01/07/02	NS	NS	NS	NS
MW-1	01/23/02	NS	NS	NS	NS
MW-1	01/30/02	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	03/04/02	NS	NS	NS	NS
MW-1	03/11/02	NS	NS	NS	NS
MW-1	03/21/02	NS	NS	NS	NS
MW-1	03/28/02	NS	NS	NS	NS
MW-1	04/03/02	NS	NS	NS	NS
MW-1	04/12/02	NS	NS	NS	NS
MW-1	04/18/02	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	06/07/02	NS	NS	NS	NS
MW-1	06/12/02	NS	NS	NS	NS
MW-1	06/21/02	NS	NS	NS	NS

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Gallegos Canyon Unit #124E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
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	07/15/02	NS	NS	NS	NS
MW-1	10/16/02	NS	NS	NS	NS
MW-1	01/15/03	NS	NS	NS	NS
MW-1	05/05/03	NS	NS	NS	NS
MW-1	07/18/03	NS	NS	NS	NS
MW-1	01/29/04	NS	NS	NS	NS
MW-1	04/15/04	NS	NS	NS	NS
MW-1	07/26/04	NS	NS	NS	NS
MW-1	10/15/04	NS	NS	NS	NS
MW-1	01/17/05	NS	NS	NS	NS
MW-1	04/19/05	38.8	<1	142	1160
MW-1	07/20/05	125	11.4	371	2640
MW-1	10/20/05	86.8	11.3	125	864
MW-1	01/19/06	77.9	12	101	656
MW-1	04/24/06	45.1	3.5 J	56.1	377
MW-1	07/31/06	60.8	1.5 J	79.3	524
MW-1	10/24/06	21.1	<1	56.6	349
MW-1	01/19/07	22.4	<1	60	367
MW-1	04/24/07	30.3	<1	60.6	407
MW-1	07/31/07	35.3	<2	68.4	416
MW-1	10/25/07	9	<1	33.2	173
MW-1	01/28/08	6	<2	41.6	210
MW-1	04/23/08	14.1	0.59 J	50.1	360
MW-1	07/23/08	72.7	6.7	65.8	210
MW-1	10/08/08	194	<50	43.6 J	328
MW-1	01/07/09	281	6 J	110	653
MW-1	08/25/09	57.9	8.8 J	58.4	298
MW-1	11/03/09	NS	NS	NS	NS
MW-1	02/15/10	98.3	4.1	80.6	385
MW-1	05/24/10	NS	NS	NS	NS
MW-1	09/27/10	159	<2	56.4	348
MW-1	11/01/10	NS	NS	NS	NS
MW-1	02/01/11	109	0.28 J	54.1	436
MW-1	05/02/11	NS	NS	NS	NS
MW-1	09/23/11	288	<1	116	1020
MW-1	02/22/12	255	<5	145	853
MW-1	05/07/12	NS	NS	NS	NS
MW-1	06/04/13	33	<0.60	11	0.86

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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	09/11/13	25	<0.30	9.8	8.9
MW-1	12/15/13	87	<0.30	50	100
MW-1	04/05/14	31	6.2	23	15
MW-1	10/25/14	NS	NS	NS	NS
MW-1	05/31/15	NS	NS	NS	NS
MW-1	11/22/15	NS	NS	NS	NS
MW-1	04/18/16	NS	NS	NS	NS
MW-1	10/14/16	NS	NS	NS	NS
MW-1	06/10/17	NS	NS	NS	NS
MW-1	11/11/17	NS	NS	NS	NS
MW-1	05/18/18	NS	NS	NS	NS
MW-1	10/28/18	NS	NS	NS	NS
MW-1	05/23/19	NS	NS	NS	NS
MW-1	11/11/19	NS	NS	NS	NS
MW-1	05/16/20	NS	NS	NS	NS
MW-1	11/11/20	NS	NS	NS	NS
MW-2	12/15/13	<0.14	<0.30	<0.20	<0.23
MW-2	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-2	Well abandoned 1/19/2014				
MW-3	12/15/13	4.1	<0.30	7.4	27
MW-3	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-3	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-3	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-3	11/22/15	<1.0	<1.0	<1.0	<3.0
MW-3	04/18/16	<1.0	<5.0	<1.0	<5.0
MW-3	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-3	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-3	11/11/17	<1.0	<1.0	<1.0	<10
MW-3	05/18/18	<1.0	<1.0	<1.0	<10
MW-3	10/28/18	<1.0	<1.0	<1.0	<10
DUP-01(MW-3)*	10/28/18	<1.0	<1.0	<1.0	<10
MW-3	05/23/19	<1.0	<1.0	<1.0	<10
DUP-1(MW-3)*	05/23/19	<1.0	<1.0	<1.0	<10
MW-3	11/11/19	<1.0	<1.0	<1.0	<10
MW-3	05/16/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-3)*	05/16/20	<1.0	<1.0	<1.0	<10
MW-3	11/11/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-3)*	11/11/20	<1.0	<1.0	<1.0	<10

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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-4	12/15/13	<0.14	<0.30	0.28 J	1.4 J
MW-4	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-4	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-4	11/22/15	<1.0	<1.0	<1.0	<3.0
MW-4	04/18/16	<1.0	<5.0	<1.0	<5.0
MW-4	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-4	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-4	11/11/17	<1.0	<1.0	4	<10
MW-4	05/18/18	<1.0	<1.0	<1.0	<10
MW-4	10/28/18	<1.0	<1.0	<1.0	<10
MW-4	05/23/19	<1.0	<1.0	<1.0	<10
MW-4	11/11/19	<1.0	<1.0	<1.0	<10
MW-4	05/16/20	<1.0	<1.0	<1.0	<10
MW-4	11/11/20	<1.0	<1.0	<1.0	<10
MW-5	12/15/13	9.3	<0.30	53	32
MW-5	04/05/14	11	5.8	13	<0.65
MW-5	10/25/14	5.9	<0.70	5.2	<1.6
MW-5	05/31/15	0.65 J	<5.0	<1.0	<5.0
MW-5	11/22/15	1.6	<1.0	2.7	<3.0
MW-5	04/18/16	<1.0	<5.0	<1.0	<5.0
MW-5	10/14/16	<1.0	<5.0	3.6	<5.0
MW-5	06/10/17	1	<5.0	6.5	<5.0
MW-5	11/11/17	2.1	<1.0	14	<10
MW-5	05/18/18	<1.0	<1.0	4.9	<10
DP-01(MW-5)*	05/18/18	<1.0	<1.0	3.5	<10
MW-5	10/28/18	1.0	<1.0	1.9	<10
MW-5	05/23/19	NS	NS	NS	NS
MW-5	11/11/19	NS	NS	NS	NS
MW-5	05/16/20	NS	NS	NS	NS
MW-5	11/11/20	NS	NS	NS	NS
MW-6	12/15/13	<0.14	<0.30	<0.20	2.0 J
MW-6	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-6	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-6	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-6	11/22/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/18/16	<1.0	<5.0	<1.0	<5.0
MW-6	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-6	06/10/17	<1.0	<5.0	<1.0	<5.0

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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-6	11/11/17	<1.0	<1.0	<1.0	<10
MW-6	05/18/18	<1.0	<1.0	<1.0	<10
MW-6	10/28/18	<1.0	<1.0	<1.0	<10
MW-6	05/23/19	<1.0	<1.0	<1.0	<10
MW-6	11/11/19	<1.0	<1.0	<1.0	<10
MW-6	05/16/20	<1.0	<1.0	<1.0	<10
MW-6	11/11/20	<1.0	<1.0	<1.0	<10
MW-7	12/15/13	<0.14	<0.30	<0.20	<0.23
MW-7	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-7	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-7	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-7	11/22/15	<1.0	<1.0	<1.0	<3.0
MW-7	04/18/16	NS	NS	NS	NS
MW-7	10/14/16	NS	NS	NS	NS
MW-7	06/10/17	NS	NS	NS	NS
MW-7	11/11/17	<1.0	<1.0	<1.0	<10
MW-7	05/18/18	NS	NS	NS	NS
MW-7	10/28/18	NS	NS	NS	NS
MW-7	05/23/19	NS	NS	NS	NS
MW-7	11/11/19	<1.0	<1.0	<1.0	<10
DUP-1(MW-7)*	11/11/19	<1.0	<1.0	<1.0	<10
MW-7	05/16/20	NS	NS	NS	NS
MW-7	11/11/20	<1.0	<1.0	<1.0	<10

Notes:
The groundwater monitoring dates for each monitoring well where no groundwater samples were collected and analyzed have been omitted.
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 results presented immediately below primary sample result

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #124E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	06/25/98	5949.45	NR	27.21		5922.24
MW-1	09/14/98	5949.45	NR	27.50		5921.95
MW-1	12/15/98	5949.45	27.61	28.16	0.55	5921.70
MW-1	03/16/99	5949.45	27.60	29.02	1.42	5921.50
MW-1	10/05/00	5949.45	29.04	29.46	0.42	5920.31
MW-1	11/15/00	5949.45	28.93	28.93		5920.52
MW-1	12/20/00	5949.45	NR	28.98		5920.47
MW-1	01/09/01	5949.45	29.18	29.21	0.03	5920.26
MW-1	01/15/01	5949.45	29.04	29.07	0.03	5920.40
MW-1	01/22/01	5949.45	NR	28.99		5920.46
MW-1	01/30/01	5949.45	NR	29.09		5920.36
MW-1	03/12/01	5949.45	NR	29.26		5920.19
MW-1	06/05/01	5949.45	29.28	29.32	0.04	5920.16
MW-1	07/13/01	5949.45	NR	29.65		5919.80
MW-1	08/02/01	5949.45	NR	29.53		5919.92
MW-1	08/31/01	5949.45	NR	29.27		5920.18
MW-1	09/21/01	5949.45	NR	29.33		5920.12
MW-1	10/02/01	5949.45	NR	28.98		5920.47
MW-1	01/02/02	5949.45	28.85	28.96	0.11	5920.57
MW-1	01/07/02	5949.45	28.94	28.99	0.05	5920.50
MW-1	01/23/02	5949.45	26.35	29.35	3.00	5922.35
MW-1	01/30/02	5949.45	29.22	29.24	0.02	5920.23
MW-1	02/07/02	5949.45	29.66	29.70	0.04	5919.78
MW-1	02/14/02	5949.45	29.28	29.29	0.01	5920.17
MW-1	02/20/02	5949.45	29.75	29.76	0.01	5919.70
MW-1	03/04/02	5949.45	NR	29.30		5920.15
MW-1	03/11/02	5949.45	NR	29.17		5920.28
MW-1	03/21/02	5949.45	NR	29.47		5919.98
MW-1	03/28/02	5949.45	NR	29.33		5920.12
MW-1	04/03/02	5949.45	NR	29.33		5920.12
MW-1	04/12/02	5949.45	NR	29.70		5919.75
MW-1	04/18/02	5949.45	NR	29.31		5920.14
MW-1	04/25/02	5949.45	NR	30.11		5919.34
MW-1	05/03/02	5949.45	NR	30.18		5919.27
MW-1	05/10/02	5949.45	NR	30.25		5919.20
MW-1	05/17/02	5949.45	NR	29.57		5919.88
MW-1	05/24/02	5949.45	NR	29.70		5919.75
MW-1	05/31/02	5949.45	NR	29.54		5919.91
MW-1	06/07/02	5949.45	NR	29.42		5920.03
MW-1	06/12/02	5949.45	NR	29.21		5920.24

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Gallegos Canyon Unit #124E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	06/21/02	5949.45	NR	30.12		5919.33
MW-1	06/27/02	5949.45	NR	30.18		5919.27
MW-1	07/02/02	5949.45	29.98	29.99	0.01	5919.47
MW-1	07/11/02	5949.45	NR	30.06		5919.39
MW-1	07/15/02	5949.45	NR	29.63		5919.82
MW-1	10/16/02	5949.45	29.24	29.65	0.41	5920.11
MW-1	01/15/03	5949.45	ND	28.63		5920.82
MW-1	05/05/03	5949.45	27.69	27.72	0.03	5921.75
MW-1	07/18/03	5949.45	27.06	27.08	0.02	5922.39
MW-1	01/29/04	5949.45	ND	25.40		5924.05
MW-1	04/15/04	5949.45	ND	24.98		5924.47
MW-1	07/26/04	5949.45	ND	24.50		5924.95
MW-1	10/15/04	5949.45	ND	24.98		5924.47
MW-1	01/17/05	5949.45	ND	25.49		5923.96
MW-1	04/19/05	5949.45	ND	25.45		5924.00
MW-1	07/20/05	5949.45	ND	24.73		5924.72
MW-1	10/20/05	5949.45	ND	24.85		5924.60
MW-1	01/19/06	5949.45	ND	24.53		5924.92
MW-1	04/24/06	5949.45	ND	24.25		5925.20
MW-1	07/31/06	5949.45	ND	25.68		5923.77
MW-1	10/24/06	5949.45	ND	24.94		5924.51
MW-1	01/19/07	5949.45	ND	26.33		5923.12
MW-1	04/24/07	5949.45	ND	25.97		5923.48
MW-1	07/31/07	5949.45	ND	26.26		5923.19
MW-1	10/25/07	5949.45	ND	26.44		5923.01
MW-1	01/28/08	5949.45	ND	26.67		5922.78
MW-1	04/23/08	5949.45	ND	26.67		5922.78
MW-1	07/23/08	5949.45	ND	23.49		5925.96
MW-1	10/08/08	5949.45	ND	22.30		5927.15
MW-1	01/07/09	5949.45	ND	23.74		5925.71
MW-1	08/25/09	5949.45	ND	26.65		5922.80
MW-1	11/03/09	5949.45	ND	25.62		5923.83
MW-1	02/15/10	5949.45	ND	25.93		5923.52
MW-1	05/24/10	5949.45	ND	19.47		5929.98
MW-1	09/27/10	5949.45	ND	19.78		5929.67
MW-1	11/01/10	5949.45	ND	19.82		5929.63
MW-1	02/01/11	5949.45	ND	21.70		5927.75
MW-1	05/02/11	5949.45	ND	23.32		5926.13
MW-1	09/23/11	5949.45	ND	24.71		5924.74
MW-1	02/22/12	5949.45	ND	23.51		5925.94

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #124E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/07/12	5949.45	ND	24.20		5925.25
MW-1	06/04/13	5949.45	ND	25.87		5923.58
MW-1	09/11/13	5949.45	ND	25.74		5923.71
MW-1	12/15/13	5949.45	ND	25.67		5923.78
MW-1	04/05/14	5949.45	ND	26.27		5923.18
MW-1	10/25/14	5949.45	27.06	27.07	0.01	5922.39
MW-1	05/31/15	5946.64	24.70	24.70	<0.01	5921.94
MW-1	11/22/15	5946.64	24.33	24.33	<0.01	5922.31
MW-1	04/18/16	5946.64	24.92	24.99	0.07	5921.70
MW-1	10/14/16	5946.64	25.06	25.21	0.15	5921.54
MW-1	06/10/17	5946.64	25.40	25.50	0.10	5921.22
MW-1	07/20/17	5946.64	25.52	25.59	0.07	5921.10
MW-1	09/21/17	5946.64	25.38	25.42	0.04	5921.25
MW-1	11/11/17	5946.64	25.56	25.57	0.01	5921.08
MW-1	05/18/18	5946.64	25.85	25.97	0.12	5920.76
MW-1	10/28/18	5946.64	26.15	26.41	0.26	5920.43
MW-1	05/23/19	5946.64	26.51	27.02	0.51	5920.00
MW-1	11/11/19	5946.64	26.65	26.85	0.20	5919.94
MW-1	05/16/20	5946.64	26.96	27.20	0.24	5919.62
MW-1	08/18/20	5946.64	27.02	27.13	0.11	5919.59
MW-1	11/11/20	5946.64	27.06	27.08	0.02	5919.58
MW-2	12/15/13	5950.12	ND	26.46		5923.66
MW-2	04/05/14	5950.12	ND	27.05		5923.07
MW-2	10/25/14	5950.12	ND	27.84		5922.28
MW-2	Well abandoned 1/19/2014					
MW-3	12/15/13	5949.84	ND	26.02		5923.82
MW-3	04/05/14	5949.84	ND	26.59		5923.25
MW-3	10/25/14	5949.84	ND	27.37		5922.47
MW-3	05/31/15	5946.83	ND	24.82		5922.01
MW-3	11/22/15	5946.83	ND	24.50		5922.33
MW-3	04/18/16	5946.83	ND	25.12		5921.71
MW-3	10/14/16	5946.83	ND	25.36		5921.47
MW-3	06/10/17	5946.83	ND	25.61		5921.22
MW-3	11/11/17	5946.83	ND	25.72		5921.11
MW-3	05/18/18	5946.83	ND	26.07		5920.76
MW-3	10/28/18	5946.83	ND	26.37		5920.46
MW-3	05/23/19	5946.83	ND	26.83		5920.00
MW-3	11/11/19	5946.83	ND	26.86		5919.97
MW-3	05/16/20	5946.83	ND	27.18		5919.65

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #124E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	11/11/20	5946.83	ND	27.24		5919.59
MW-4	12/15/13	5949.57	ND	25.62		5923.95
MW-4	04/05/14	5949.57	ND	26.22		5923.35
MW-4	10/25/14	5949.57	ND	26.98		5922.59
MW-4	05/31/15	5946.52	ND	24.52		5922.00
MW-4	11/22/15	5946.52	ND	24.16		5922.36
MW-4	04/18/16	5946.52	ND	24.80		5921.72
MW-4	10/14/16	5946.52	ND	24.99		5921.53
MW-4	06/10/17	5946.52	ND	25.28		5921.24
MW-4	11/11/17	5946.52	ND	25.37		5921.15
MW-4	05/18/18	5946.52	ND	25.69		5920.83
MW-4	10/28/18	5946.52	ND	25.98		5920.54
MW-4	05/23/19	5946.52	ND	26.83		5919.69
MW-4	11/11/19	5946.52	ND	26.49		5920.03
MW-4	05/16/20	5946.52	ND	26.82		5919.70
MW-4	11/11/20	5946.52	ND	26.86		5919.66
MW-5	12/15/13	5948.92	ND	25.17		5923.75
MW-5	04/05/14	5948.92	ND	25.85		5923.07
MW-5	10/25/14	5948.92	ND	26.60		5922.32
MW-5	05/31/15	5946.03	ND	24.17		5921.86
MW-5	11/22/15	5946.03	ND	23.83		5922.20
MW-5	04/18/16	5946.03	ND	24.42		5921.61
MW-5	10/14/16	5946.03	ND	24.64		5921.39
MW-5	06/10/17	5946.03	ND	24.93		5921.10
MW-5	11/11/17	5946.03	ND	24.98		5921.05
MW-5	05/18/18	5946.03	ND	25.36		5920.67
MW-5	10/28/18	5946.03	ND	25.65		5920.38
MW-5	05/23/19	5946.03	26.12	26.31	0.19	5919.86
MW-5	11/11/19	5946.03	26.52	26.63	0.11	5919.48
MW-5	05/16/20	5946.03	26.95	27.11	0.16	5919.04
MW-5	08/18/20	5946.03	27.19	27.22	0.03	5918.83
MW-5	11/11/20	5946.03	27.14	27.15	0.01	5918.89
MW-6	12/15/13	5949.34	ND	25.48		5923.86
MW-6	04/05/14	5949.34	ND	26.16		5923.18
MW-6	10/25/14	5949.34	ND	26.90		5922.44
MW-6	05/31/15	5946.31	ND	24.44		5921.87
MW-6	11/22/15	5946.31	ND	24.13		5922.18
MW-6	04/18/16	5946.31	ND	24.66		5921.65
MW-6	10/14/16	5946.31	ND	24.89		5921.42

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #124E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	06/10/17	5946.31	ND	24.19		5922.12
MW-6	11/11/17	5946.31	ND	25.29		5921.02
MW-6	05/18/18	5946.31	ND	25.62		5920.69
MW-6	10/28/18	5946.31	ND	25.91		5920.40
MW-6	05/23/19	5946.31	ND	26.31		5920.00
MW-6	11/11/19	5946.31	ND	26.55		5919.76
MW-6	05/16/20	5946.31	ND	26.72		5919.59
MW-6	11/11/20	5946.31	ND	26.83		5919.48
MW-7	12/15/13	5948.68	ND	25.34		5923.34
MW-7	04/05/14	5948.68	ND	26.13		5922.55
MW-7	10/25/14	5948.68	ND	26.89		5921.79
MW-7	05/31/15	5945.78	ND	24.41		5921.37
MW-7	11/22/15	5945.78	ND	23.97		5921.81
MW-7	04/18/16	5945.78	ND	24.52		5921.26
MW-7	10/14/16	5945.78	ND	25.29		5920.49
MW-7	06/10/17	5945.78	ND	24.04		5921.74
MW-7	11/11/17	5945.78	ND	25.13		5920.65
MW-7	05/18/18	5945.78	ND	30.40		5915.38
MW-7	10/28/18	5945.78	ND	31.58		5914.20
MW-7	05/23/19	5945.78	ND	32.53		5913.25
MW-7	11/11/19	5945.78	ND	32.76		5913.02
MW-7	05/16/20	5945.78	ND	33.16		5912.62
MW-7	11/11/20	5945.78	ND	33.11		5912.67

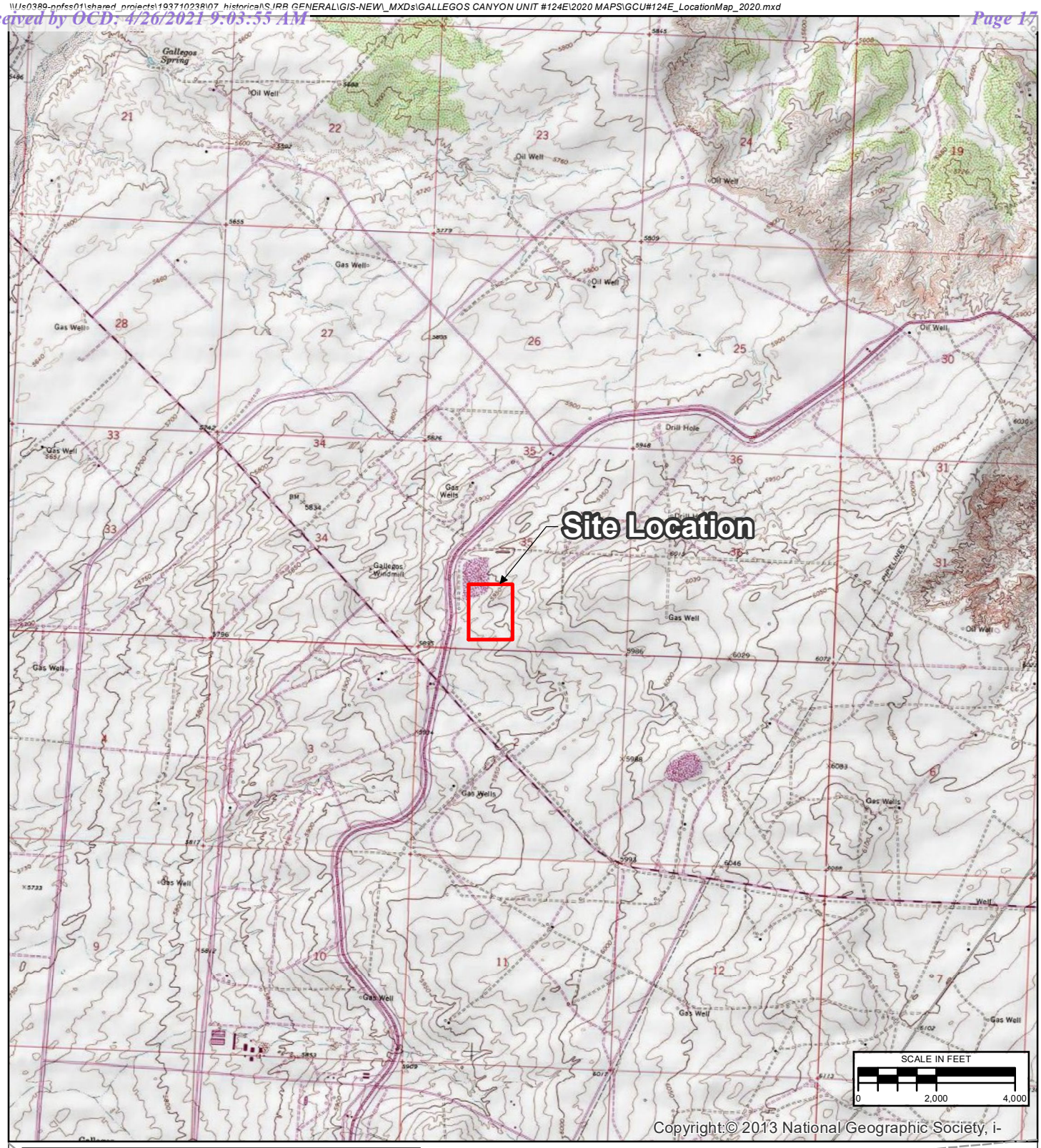
Notes:
"ft" = feet
"TOC" = Top of casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"NR" = LNAPL not recorded
Groundwater elevation = Top of Casing elevation (TOC, ft) - (Depth to Water [ft] - [LPH thickness [ft} x 0.75]). A specific gravity of 0.75 is within the range of gas condensate (https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate)

Table 3
Free Product Recovery Summary
Gallegos Canyon Unit #124E

Well ID - MW-1	Depth to Product (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	Product Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
4/18/2016	24.92	24.99	0.07	<0.01	0.01	manual
10/14/2016	25.06	25.21	0.15	0.03	<0.01	manual
6/10/2017	25.40	25.50	0.10	0.01	NR	manual
7/20/2017	25.52	25.59	0.07	10.4	3302	MDPE Event*
9/21/2017	25.38	25.42	0.04	3.60	2757	MDPE Event*
11/11/2017	25.56	25.57	0.01	<0.01	0.01	manual
5/18/2018	25.85	25.97	0.12	<0.01	NR	manual
10/28/2018	26.15	26.41	0.26	0.02	0.02	manual
5/23/2019	26.51	27.02	0.51	0.08	NR	manual
11/11/2019	26.65	26.85	0.20	0.06	0.48	manual
5/16/2020	26.96	27.20	0.24	0.11	0.34	manual
8/18/2020	27.02	27.13	0.11	0.05	0.48	manual
11/11/2020	27.06	27.08	0.02	<0.01	0.17	manual
			Total:	14.4	6061	
Well ID - MW-5						
5/23/2019	26.12	26.31	0.19	0.01	NR	manual
11/11/2019	26.52	26.63	0.11	0.01	0.04	manual
5/16/2020	26.95	27.11	0.16	0.02	0.13	manual
8/18/2020	27.19	27.22	0.03	0.01	0.23	manual
11/11/2020	27.14	27.15	0.01	<0.01	0.73	manual
			Total:	0.05	1.13	

Notes:
NR = Not Recorded.
* = Includes calculated recovered hydrocarbon vapors.
gal = gallons

FIGURES



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/22/2021	SAH	SAH	SRV

TITLE

SITE LOCATION

Stantec

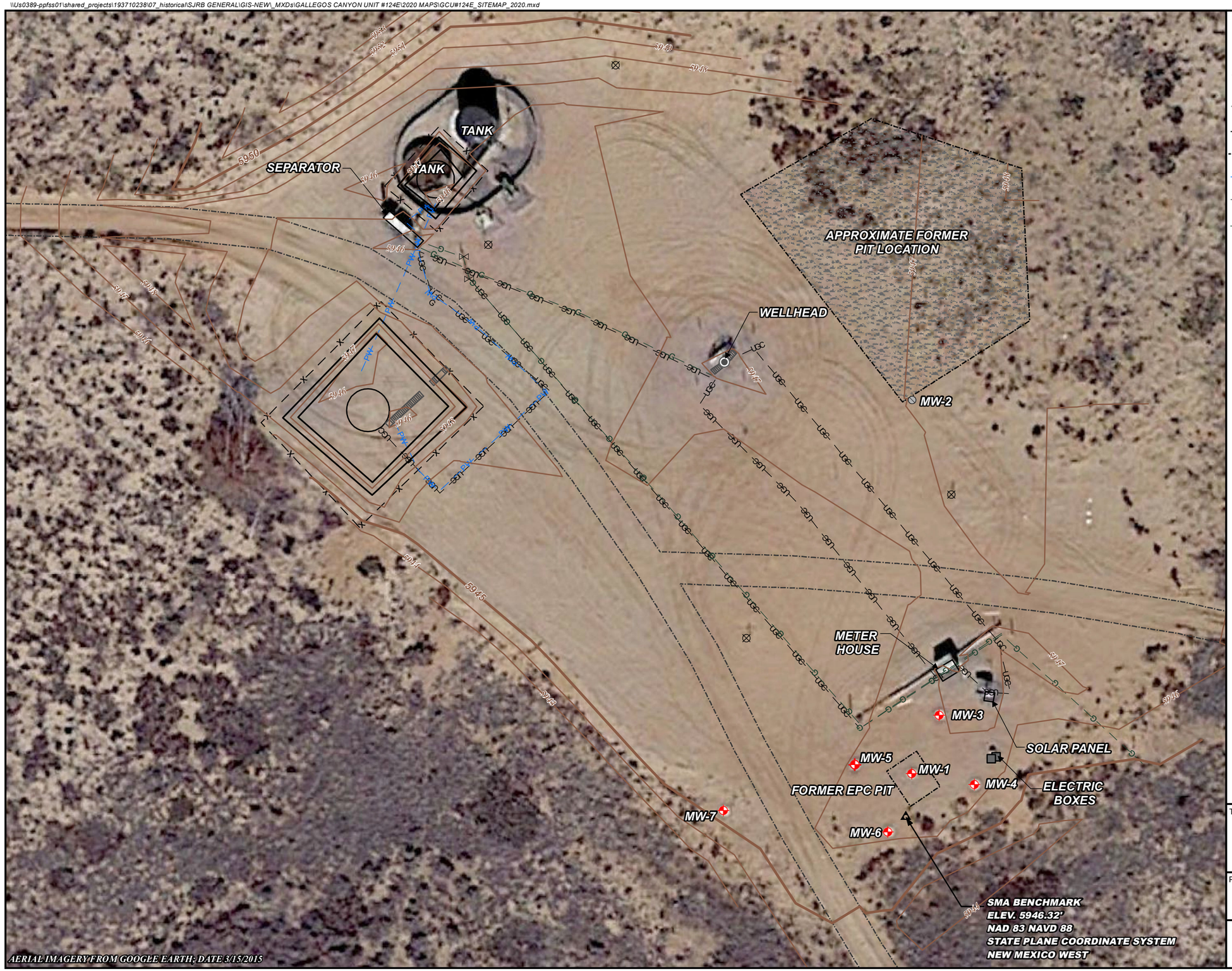
PROJECT

GALLEGOS CANYON UNIT #124E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE

1

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\GALLEGOS CANYON UNIT #124E\2020 MAPS\GCU#124E_SITEMAP_2020.mxd



LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNDERGROUND GAS LINE
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- GAS VALVE
- MONITORING WELL
- RIG ANCHOR
- WELLHEAD

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/20/2021	SAH	SAH	SRV

TITLE:

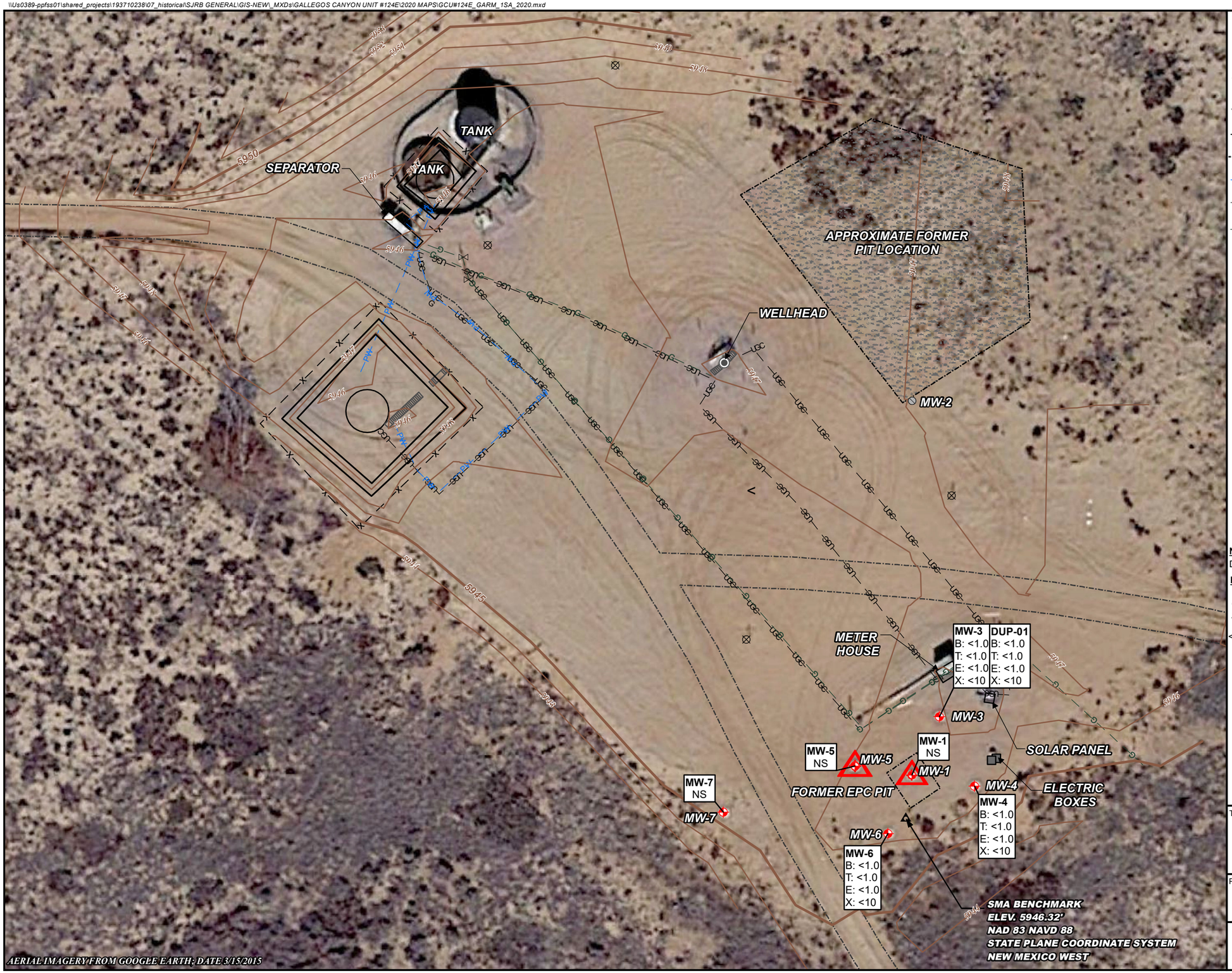
SITE PLAN

PROJECT: **GALLEGOS CANYON UNIT #124E**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\GALLEGOS CANYON UNIT #124E\2020 MAPS\GCU#124E_GARM_1SA_2020.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PW — PRODUCED WATER LINE
- UGC — UNDERGROUND CABLE
- G — UNDERGROUND GAS LINE
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- GAS VALVE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- RIG ANCHOR
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

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
<10 = BELOW METHOD REPORTING LIMIT

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
	2/20/2021	SAH	SAH	SRV

TITLE:

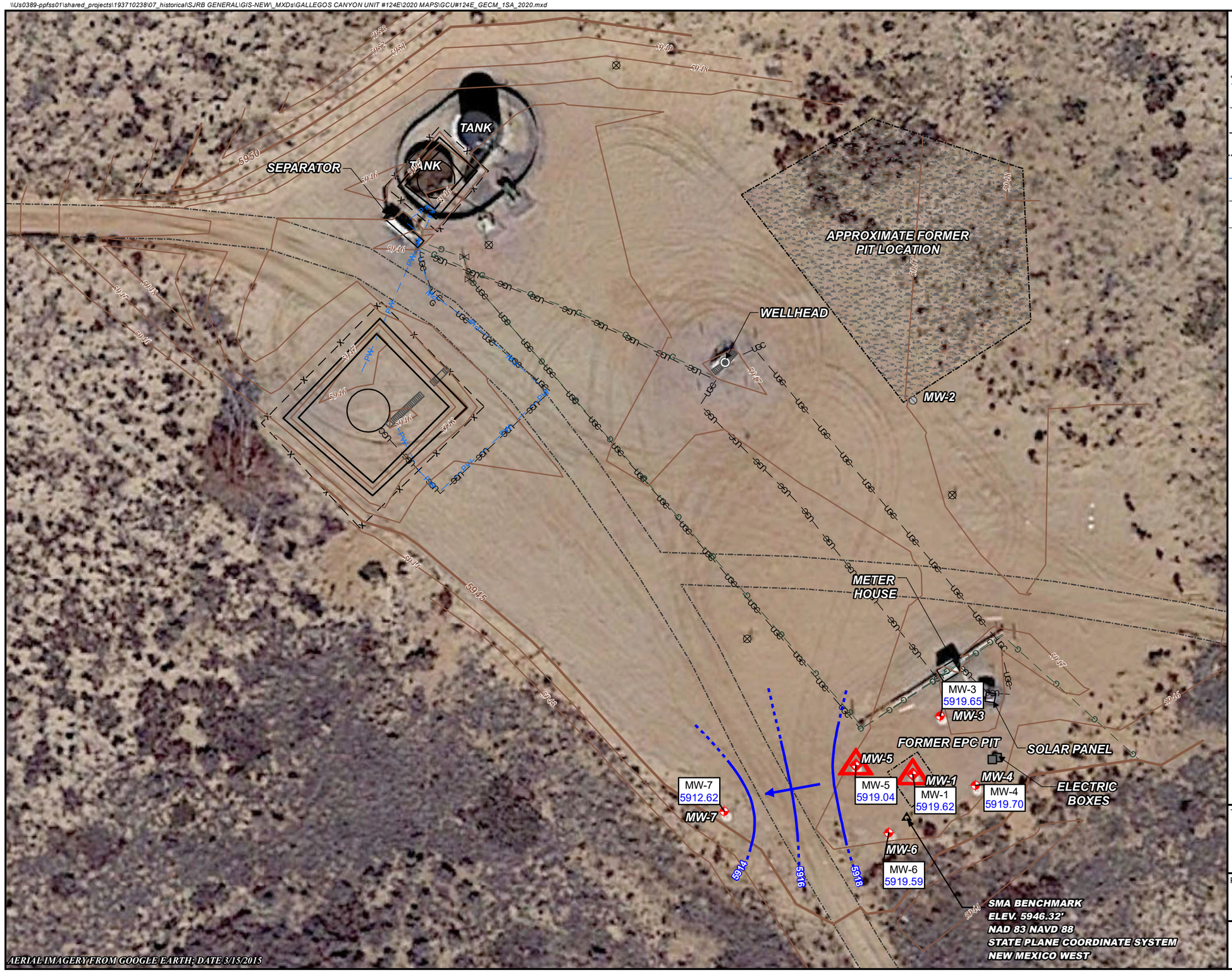
GROUNDWATER ANALYTICAL RESULTS
MAY 16, 2020

PROJECT: **GALLEGOS CANYON UNIT #124E**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **3**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\GALLEGOS CANYON UNIT #124E\2020 MAPS\GCU#124E_GECM_1SA_2020.mxd



LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNDERGROUND GAS LINE
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- GAS VALVE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- RIG ANCHOR
- WELLHEAD

NOTES:

5919.04 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL

5916 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/20/2021	SAH	SAH	SRV

TITLE:

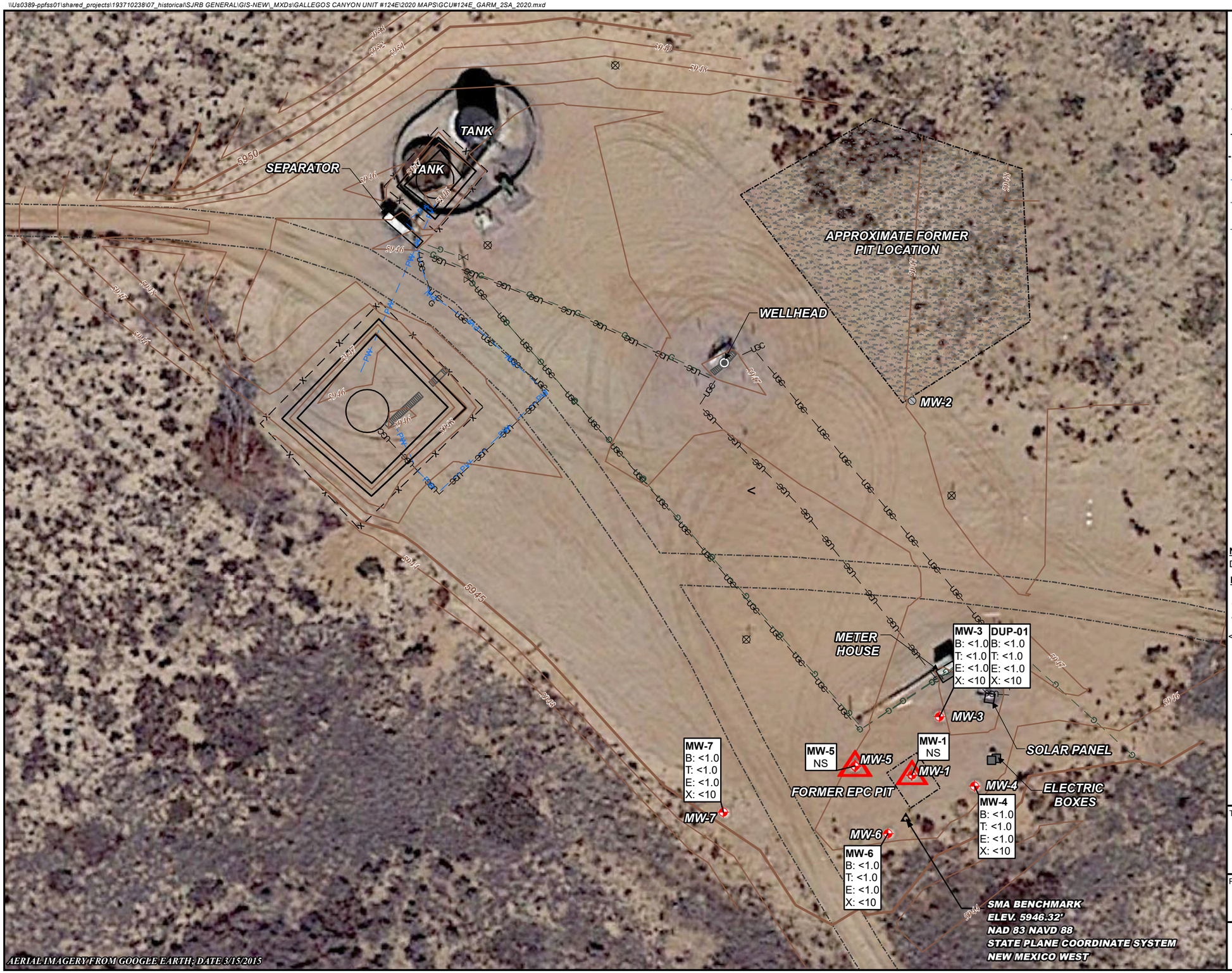
GROUNDWATER ELEVATION MAP
MAY 16, 2020

PROJECT: **GALLEGOS CANYON UNIT #124E**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **4**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\GALLEGOS CANYON UNIT #124E\2020 MAPS\GCU#124E_GARM_2SA_2020.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PW — PRODUCED WATER LINE
- UGC — UNDERGROUND CABLE
- G — UNDERGROUND GAS LINE
- ABANDONED MONITORING WELL
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- MONITORING WELL WITH MEASURABLE FREE PRODUCT
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- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

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
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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
	2/20/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 11, 2020

PROJECT: **GALLEGOS CANYON UNIT #124E**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

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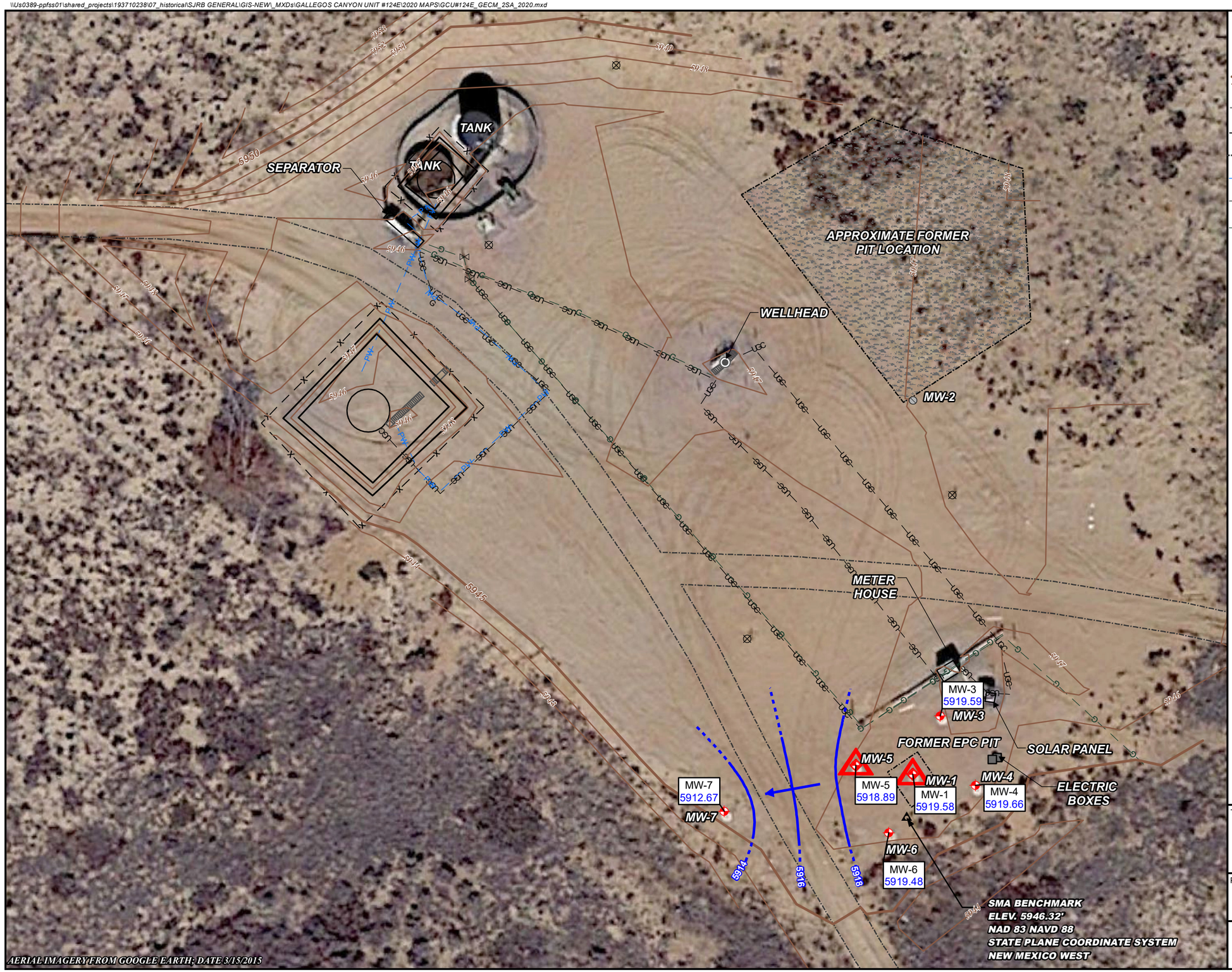
Figure No.: **5**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\GALLEGOS CANYON UNIT #124E\2020 MAPS\GCU#124E_GECM_2SA_2020.mxd



LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
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- FORMER PIT
- PRODUCED WATER LINE
- UNDERGROUND CABLE
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- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- RIG ANCHOR
- WELLHEAD

NOTES:

5919.04 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL

5916 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/20/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 11, 2020

PROJECT: **GALLEGOS CANYON UNIT #124E**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – NOTIFICATIONS OF SAMPLING ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – MAY 16, 2020 GROUNDWATER SAMPLING ANALYTICAL REPORT

NOVEMBER 11, 2020 GROUNDWATER SAMPLING ANALYTICAL REPORT

APPENDIX A

From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Tuesday, May 05, 2020 9:45:00 PM

Hi Cory -

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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	05/11/2020
Fields A#7A	3RP-170-0	05/13/2020
Fogelson 4-1	3RP-068-0	05/15/2020
Gallegos Canyon Unit #124E	3RP-407-0	05/16/2020
GCU Com A #142E	3RP-179-0	05/15/2020
James F. Bell #1E	3RP-196-0	05/16/2020
Johnston Fed #4	3RP-201-0	05/17/2020
Johnston Fed #6A	3RP-202-0	05/17/2020
K27 LDO72	3RP-204-0	05/12/2020
Knight #1	3RP-207-0	05/14/2020
Lateral L 40 Line Drip	3RP-212-0	05/14/2020
Miles Fed #1A	3RP-223-0	05/11/2020
Sandoval GC A #1A	3RP-235-0	05/15/2020
Standard Oil Com #1	3RP-238-0	05/12/2020
State Gas Com N #1	3RP-239-0	05/13/2020

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.
Senior Hydrogeologist
Stantec Environmental Services
11153 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: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Wednesday, August 12, 2020 3:05:25 PM

Hi Cory -

This correspondence is to provide notice to the NMOCD of upcoming product recovery activities at the following El Paso CGP Company (EPCGP) project sites:

Site Name	Incident Number	Case Number	Date
Canada Mesa #2	Unknown	3RP-155-0	08/19/2020
Fields A#7A	Unknown	3RP-170-0	08/18/2020
Fogelson 4-1	Unknown	3RP-068-0	08/18/2020
Gallegos Canyon Unit #124E	NAUTOFAB000205	3RP-407-0	08/18/2020
James F. Bell #1E	Unknown	3RP-196-0	08/18/2020
Johnston Fed #4	Unknown	3RP-201-0	08/19/2020
Johnston Fed #6A	Unknown	3RP-202-0	08/19/2020
K27 LDO72	Unknown	3RP-204-0	08/19/2020
Knight #1	Unknown	3RP-207-0	08/18/2020
Lateral L 40 Line Drip	Unknown	3RP-212-0	08/19/2020
State Gas Com N #1	Unknown	3RP-239-0	08/18/2020

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.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Smith, Cory, EMNRD
To: Varsa, Steve
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: RE: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 05, 2020 8:56:01 AM

Steve,

Thank you for the notification.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Thursday, November 5, 2020 6:02 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: [EXT] El Paso CGP Company - Notice of upcoming groundwater sampling activities

Hi Cory -

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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	11/12/2020
Fields A#7A	3RP-170-0	11/14/2020
Fogelson 4-1	3RP-068-0	11/14/2020
Gallegos Canyon Unit #124E	3RP-407-0	11/11/2020
GCU Com A #142E	3RP-179-0	11/11/2020
James F. Bell #1E	3RP-196-0	11/15/2020
Johnston Fed #4	3RP-201-0	11/13/2020
Johnston Fed #6A	3RP-202-0	11/13/2020
K27 LDO72	3RP-204-0	11/12/2020
Knight #1	3RP-207-0	11/11/2020
Lateral L 40 Line Drip	3RP-212-0	11/15/2020
Miles Fed #1A	3RP-223-0	11/12/2020
Sandoval GC A #1A	3RP-235-0	11/13/2020
Standard Oil Com #1	3RP-238-0	11/12/2020
State Gas Com N #1	3RP-239-0	11/14/2020

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.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 792696
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 5.16.20
GENERATOR: El Paso
HAULING CO. Standard
ORDERED BY: Joe

DEL. TKT#.
BILL TO: El Paso
DRIVER: ~~Ethan~~ Sean
(Print Full Name)
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☐ Produced Water ☐ Drilling/Completion Fluids

STATE: ~~☐~~ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		J. F Ball	~~5 gals~~	.24				
2		GCU # 124E	~~5 gals~~					
3		GCU Com A	~~5 gals~~					
4								
5								

'20 MAY 16 1:2 PM

I, Dean R Clay representitive or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt Oil field wastes.

☐ Approved ☐ Denied ATTENDANT SIGNATURE Stanley Gant

SAN JUAN PRINTING 0818018B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 796735
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 2/8/20
DEL. TKT#.
GENERATOR: El paso CGP
BILL TO: El paso CGP
HAULING CO. Stantech
DRIVER: Steve
(Print Full Name)
ORDERED BY: Steve
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☐ Produced Water ☐ Drilling/Completion Fluids

STATE: ☐ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		JF Bell, Wright,	15	70			10 50	
2		State Gas Com, Fields, Bagelsen, GCU 124E						
3								
4								
5								

I, _____ representitive or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt Oil field wastes.

☐ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 0818018B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 800456
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-13-20
DEL. TKT#.
GENERATOR: CGP
BILL TO: CGP
HAULING CO. CGP
DRIVER: Sean
(Print Full Name)
ORDERED BY: Joe W.
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☑ Produced Water ☐ Drilling/Completion Fluids

STATE: ☑ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Canada mesa #2	10	70			70	
2		K-27L D92 wiles federal #1	14					'20 NOV 13 6:19PM
3		Standard oil com #1						
4		Knight #1, Gallegos Canyon Unit #124E						
5		GCU Com A #172E						

I, Sean Clary, representative or authorized agent for Enlink, do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non -exempt waste.

☑ Approved ☐ Denied ATTENDANT SIGNATURE

SAN JUAN PRINTING 2020 1973-1

APPENDIX C

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-188204-1
Client Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

For:
Stantec Consulting Services Inc
11153 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Marty Edwards

Authorized for release by:
5/29/2020 5:33:55 PM

Marty Edwards, Client Service Manager
(850)471-6227
marty.edwards@testamericainc.com

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Laboratory Job ID: 400-188204-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Job ID: 400-188204-1

Job ID: 400-188204-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-188204-1

Receipt
The samples were received on 5/19/2020 8:40 AM; the samples arrived in good condition, properly preserved, and where required, on ice. The temperature of the cooler at receipt time was 1.7°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
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: MW-3 — Lab Sample ID: 400-188204-1

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 400-188204-2

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-188204-3

No Detections.

Client Sample ID: TB-01 — Lab Sample ID: 400-188204-4

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-188204-5

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-188204-1	MW-3	Water	05/16/20 12:15	05/19/20 08:40	
400-188204-2	MW-4	Water	05/16/20 12:26	05/19/20 08:40	
400-188204-3	MW-6	Water	05/16/20 12:35	05/19/20 08:40	
400-188204-4	TB-01	Water	05/16/20 07:10	05/19/20 08:40	
400-188204-5	DUP-01	Water	05/16/20 01:10	05/19/20 08:40	

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: MW-3
Lab Sample ID: 400-188204-1
Date Collected: 05/16/20 12:15
Matrix: Water
Date Received: 05/19/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 12:53	1
Toluene	<1.0		1.0		ug/L			05/27/20 12:53	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 12:53	1
Xylenes, Total	<10		10		ug/L			05/27/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/27/20 12:53*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/27/20 12:53*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/27/20 12:53*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: MW-4
Lab Sample ID: 400-188204-2
Date Collected: 05/16/20 12:26
Matrix: Water
Date Received: 05/19/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 15:38	1
Toluene	<1.0		1.0		ug/L			05/27/20 15:38	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 15:38	1
Xylenes, Total	<10		10		ug/L			05/27/20 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/27/20 15:38*	*1*
Dibromofluoromethane	*114*		*81 - 121*		*05/27/20 15:38*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/27/20 15:38*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: MW-6
Lab Sample ID: 400-188204-3
Date Collected: 05/16/20 12:35
Matrix: Water
Date Received: 05/19/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 16:10	1
Toluene	<1.0		1.0		ug/L			05/27/20 16:10	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 16:10	1
Xylenes, Total	<10		10		ug/L			05/27/20 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/27/20 16:10*	*1*
Dibromofluoromethane	*117*		*81 - 121*		*05/27/20 16:10*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/27/20 16:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: TB-01
Lab Sample ID: 400-188204-4
Date Collected: 05/16/20 07:10
Matrix: Water
Date Received: 05/19/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 15:04	1
Toluene	<1.0		1.0		ug/L			05/27/20 15:04	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 15:04	1
Xylenes, Total	<10		10		ug/L			05/27/20 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/27/20 15:04*	*1*
Dibromofluoromethane	*114*		*81 - 121*		*05/27/20 15:04*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/27/20 15:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: DUP-01
Lab Sample ID: 400-188204-5
Date Collected: 05/16/20 01:10
Matrix: Water
Date Received: 05/19/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 16:43	1
Toluene	<1.0		1.0		ug/L			05/27/20 16:43	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 16:43	1
Xylenes, Total	<10		10		ug/L			05/27/20 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/27/20 16:43*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/27/20 16:43*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/27/20 16:43*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

GC/MS VOA

Analysis Batch: 490516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-188204-1	MW-3	Total/NA	Water	8260C	
400-188204-2	MW-4	Total/NA	Water	8260C	
400-188204-3	MW-6	Total/NA	Water	8260C	
400-188204-4	TB-01	Total/NA	Water	8260C	
400-188204-5	DUP-01	Total/NA	Water	8260C	
MB 400-490516/4	Method Blank	Total/NA	Water	8260C	
LCS 400-490516/1002	Lab Control Sample	Total/NA	Water	8260C	
400-188204-1 MS	MW-3	Total/NA	Water	8260C	
400-188204-1 MSD	MW-3	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Job ID: 400-188204-1

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

Lab Sample ID: MB 400-490516/4
Matrix: Water
Analysis Batch: 490516

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/20 12:20	1
Toluene	<1.0		1.0		ug/L			05/27/20 12:20	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/20 12:20	1
Xylenes, Total	<10		10		ug/L			05/27/20 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/27/20 12:20*	*1*
Dibromofluoromethane	*114*		*81 - 121*		*05/27/20 12:20*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/27/20 12:20*	*1*

Lab Sample ID: LCS 400-490516/1002
Matrix: Water
Analysis Batch: 490516

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	53.4		ug/L		107	70 - 130		
Toluene			50.0	52.3		ug/L		105	70 - 130		
Ethylbenzene			50.0	51.9		ug/L		104	70 - 130		
Xylenes, Total			100	103		ug/L		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*117*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-188204-1 MS
Matrix: Water
Analysis Batch: 490516

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	51.5		ug/L		103	56 - 142		
Toluene	<1.0		50.0	48.4		ug/L		97	65 - 130		
Ethylbenzene	<1.0		50.0	46.8		ug/L		94	58 - 131		
Xylenes, Total	<10		100	92.9		ug/L		93	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*116*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 400-188204-1 MSD
Matrix: Water
Analysis Batch: 490516

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	56.0		ug/L		112	56 - 142	8	30
Toluene	<1.0		50.0	44.3		ug/L		89	65 - 130	9	30
Ethylbenzene	<1.0		50.0	41.2		ug/L		82	58 - 131	13	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Job ID: 400-188204-1

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

Lab Sample ID: 400-188204-1 MSD
Matrix: Water
Analysis Batch: 490516

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	82.3		ug/L		82	59 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*116*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Client Sample ID: MW-3
Lab Sample ID: 400-188204-1
Date Collected: 05/16/20 12:15
Matrix: Water
Date Received: 05/19/20 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	490516	05/27/20 12:53	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-4
Lab Sample ID: 400-188204-2
Date Collected: 05/16/20 12:26
Matrix: Water
Date Received: 05/19/20 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	490516	05/27/20 15:38	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-6
Lab Sample ID: 400-188204-3
Date Collected: 05/16/20 12:35
Matrix: Water
Date Received: 05/19/20 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	490516	05/27/20 16:10	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: TB-01
Lab Sample ID: 400-188204-4
Date Collected: 05/16/20 07:10
Matrix: Water
Date Received: 05/19/20 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	490516	05/27/20 15:04	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: DUP-01
Lab Sample ID: 400-188204-5
Date Collected: 05/16/20 01:10
Matrix: Water
Date Received: 05/19/20 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	490516	05/27/20 16:43	RS	TAL PEN
	Instrument ID: Einstein									

Laboratory References:
TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Illinois	NELAP	004586	10-09-20
Iowa	State	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	06-30-20
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-20
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-20

Method Summary

Client: Stantec Consulting Services Inc
Job ID: 400-188204-1
Project/Site: ElPaso CGP Company-Gallegos Canyon #124E

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

Protocol References:

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

Laboratory References:

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

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

Chain of Custody Record

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Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-94229-34169.1
Client Contact: Steve Varsa	Phone: 515-253-0830	E-Mail: marty.edwards@testamericainc.com		Page: Page 1 of 1
Company: Stantec Consulting Services Inc				Job #:

Address: 11153 Aurora Avenue	Due Date Requested:	Analysis Requested
City: Des Moines	TAT Requested (days): STANDARD TAT	
State, Zip: IA, 50322-7904		
Phone: 303-291-2239(Tel)	PO #: See Project Notes	
Email: steve.varsa@stantec.com	WO #:	
Project Name: Gallegos Canyon Unit #124E.00	Project #: 40005479	
Site:	SSOW#:	

Preservation Codes:

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

Other:

400-188204 COC

W-GRW-STN-04-10-2020-SAH
04 Gallegos Canyon #124E

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)	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-3	5/16/2020	1215	G	Water	N	N	3		
MW-4	5/16/2020	1226	G	Water	N	N	3		
MW-6	5/16/2020	1235	G	Water	N	N	3		
TB-01	5/16/2020	0710	G	Water	N	N	2		Trip Blank
DUP-01	5/16/2020	0110	G	Water	N	N	3		Blind Dup
				Water					
				Water					

SRC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sean N Clancy	5/18/2020 0900	STANTEC		5/19/20 8:40	TAL
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: 1.7°C IR7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-188204-1

Login Number: 188204 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Hinrichsen, Megan E

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	1.7°C IR-7
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.	True	
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	

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ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-195815-1
Client Project/Site: Gallegos Canyon Unit #124E

For:
Stantec Consulting Services Inc
11153 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Marty Edwards

Authorized for release by:
11/30/2020 11:55:51 AM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Laboratory Job ID: 400-195815-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Job ID: 400-195815-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-195815-1

Comments
No additional comments.

Receipt
The samples were received on 11/13/2020 9:44 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described 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: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: TB-01 — Lab Sample ID: 400-195815-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-195815-2

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-195815-3

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 400-195815-4

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-195815-5

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-195815-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-195815-1	TB-01	Water	11/11/20 15:00	11/13/20 09:44	
400-195815-2	DUP-01	Water	11/11/20 16:39	11/13/20 09:44	
400-195815-3	MW-3	Water	11/11/20 15:45	11/13/20 09:44	
400-195815-4	MW-4	Water	11/11/20 16:09	11/13/20 09:44	
400-195815-5	MW-6	Water	11/11/20 16:17	11/13/20 09:44	
400-195815-6	MW-7	Water	11/11/20 16:25	11/13/20 09:44	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: TB-01

Lab Sample ID: 400-195815-1

Date Collected: 11/11/20 15:00
Matrix: Water
Date Received: 11/13/20 09:44

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 21:53	1
Toluene	<1.0		1.0		ug/L			11/24/20 21:53	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 21:53	1
Xylenes, Total	<10		10		ug/L			11/24/20 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/24/20 21:53*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*11/24/20 21:53*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/20 21:53*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: DUP-01
Date Collected: 11/11/20 16:39
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195815-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 17:06	1
Toluene	<1.0		1.0		ug/L			11/24/20 17:06	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 17:06	1
Xylenes, Total	<10		10		ug/L			11/24/20 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*11/24/20 17:06*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*11/24/20 17:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/20 17:06*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: MW-3

Date Collected: 11/11/20 15:45
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195815-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 22:18	1
Toluene	<1.0		1.0		ug/L			11/24/20 22:18	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 22:18	1
Xylenes, Total	<10		10		ug/L			11/24/20 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/24/20 22:18*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*11/24/20 22:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/20 22:18*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: MW-4

Date Collected: 11/11/20 16:09
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195815-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 22:44	1
Toluene	<1.0		1.0		ug/L			11/24/20 22:44	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 22:44	1
Xylenes, Total	<10		10		ug/L			11/24/20 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*11/24/20 22:44*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*11/24/20 22:44*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/24/20 22:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: MW-6

Date Collected: 11/11/20 16:17
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195815-5

Matrix: Water

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

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*11/24/20 23:10*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*11/24/20 23:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/20 23:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: MW-7

Date Collected: 11/11/20 16:25
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195815-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 23:37	1
Toluene	<1.0		1.0		ug/L			11/24/20 23:37	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 23:37	1
Xylenes, Total	<10		10		ug/L			11/24/20 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*11/24/20 23:37*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*11/24/20 23:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/20 23:37*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

GC/MS VOA

Analysis Batch: 511985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195815-1	TB-01	Total/NA	Water	8260C	
400-195815-2	DUP-01	Total/NA	Water	8260C	
400-195815-3	MW-3	Total/NA	Water	8260C	
400-195815-4	MW-4	Total/NA	Water	8260C	
400-195815-5	MW-6	Total/NA	Water	8260C	
400-195815-6	MW-7	Total/NA	Water	8260C	
MB 400-511985/4	Method Blank	Total/NA	Water	8260C	
LCS 400-511985/1002	Lab Control Sample	Total/NA	Water	8260C	
400-195815-2 MS	DUP-01	Total/NA	Water	8260C	
400-195815-2 MSD	DUP-01	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

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

Lab Sample ID: MB 400-511985/4
Matrix: Water
Analysis Batch: 511985

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 16:42	1
Toluene	<1.0		1.0		ug/L			11/24/20 16:42	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 16:42	1
Xylenes, Total	<10		10		ug/L			11/24/20 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/24/20 16:42*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*11/24/20 16:42*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/24/20 16:42*	*1*

Lab Sample ID: LCS 400-511985/1002
Matrix: Water
Analysis Batch: 511985

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	50.5		ug/L		101	70 - 130		
Toluene			50.0	48.8		ug/L		98	70 - 130		
Ethylbenzene			50.0	49.8		ug/L		100	70 - 130		
Xylenes, Total			100	98.9		ug/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 400-195815-2 MS
Matrix: Water
Analysis Batch: 511985

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	<1.0		50.0	41.0		ug/L		82	56 - 142		
Toluene	<1.0		50.0	36.2		ug/L		72	65 - 130		
Ethylbenzene	<1.0		50.0	31.8		ug/L		64	58 - 131		
Xylenes, Total	<10		100	61.9		ug/L		62	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-195815-2 MSD
Matrix: Water
Analysis Batch: 511985

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	<1.0		50.0	46.2		ug/L		92	56 - 142	12	30
Toluene	<1.0		50.0	40.2		ug/L		80	65 - 130	10	30
Ethylbenzene	<1.0		50.0	35.8		ug/L		72	58 - 131	12	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

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

Lab Sample ID: 400-195815-2 MSD
Matrix: Water
Analysis Batch: 511985

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
Xylenes, Total	<10		100	69.4		ug/L		69	59 - 130	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Client Sample ID: TB-01
Lab Sample ID: 400-195815-1
Date Collected: 11/11/20 15:00
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 21:53	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: DUP-01
Lab Sample ID: 400-195815-2
Date Collected: 11/11/20 16:39
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 17:06	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-3
Lab Sample ID: 400-195815-3
Date Collected: 11/11/20 15:45
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 22:18	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-4
Lab Sample ID: 400-195815-4
Date Collected: 11/11/20 16:09
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 22:44	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-6
Lab Sample ID: 400-195815-5
Date Collected: 11/11/20 16:17
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 23:10	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-7
Lab Sample ID: 400-195815-6
Date Collected: 11/11/20 16:25
Matrix: Water
Date Received: 11/13/20 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	511985	11/24/20 23:37	WPD	TAL PEN
	Instrument ID: CH_TAN									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	12-31-20

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Gallegos Canyon Unit #124E

Job ID: 400-195815-1

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

Protocol References:

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

Laboratory References:

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

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

TestAmerica Des Moines SC
214

eurofins | Environment Testing America

Chain of Custody Record

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-97373-35218.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com		Page: Page 1 of 1
Company: Stantec Consulting Services Inc				Job #:
Address: 11153 Aurora Avenue	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Des Moines	TAT Requested (days): STD			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, Z - other (specify)
State, Zip: IA, 50322-7904	PO #: See Project Notes			
Phone: 303-291-2239(Tel)	WO #:			Other:
Email: steve.varsa@stantec.com	Project #: 40005479			
Project Name: Gallegos Canyon Unit #124E.00	SSOW#:			
Site: GCU 124E				

400-195815 COC

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)	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
W-ERM-STN-11-02-20-SAH-04 Gallegos Canyon Unit #124E			Preservation Code:				A		
TB-01	11/11/2020	1500	G	Water	—		2	2	Trip Blank
DUP-01	11/11/2020	1639	G	Water	—		3	3	Blind Dup
MW-3	11/11/2020	1545	G	Water	—		3	3	
MW-4	11/11/2020	1609	G	Water	—		3	3	
MW-6	11/11/2020	1617	G	Water	—		3	3	
MW-7	11/11/2020	1625	G	Water	—		3	3	
				Water					
				Water					

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: Fedex

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Sean R Clary	11/12/2020 0700	STN	[illegible]	11-13-20 9444	
2						
3						

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

Cooler Temperature(s) °C and Other Remarks: 0.0°C IR9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-195815-1

Login Number: 195815 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Hinrichsen, Megan E

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	0.0°C IR-9
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	

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 25463

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 25463
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of the 2020 ANNUAL GROUNDWATER REPORT: Content satisfactory 1. Complete groundwater monitoring events on a semi-annual basis 2. Pursuant to OCD's correspondence dated April 2, 2020, quarterly site visits will continue in 2021 to facilitate removal of measurable free product via hand bailing where it is present 3. The completed 2021 Annual Report is to be submitted no later than March 31, 2022	12/29/2021