APPROVED
By Nelson Velez at 9:25 am, Jan 04, 2022

2020 ANNUAL GROUNDWATER REPORT

Knight #1
Incident Number: nAUTOfAB000324
NMOCD Case #: 3RP-207-0
Meter Code: 72556
T30N, R13W, Sec5, Unit A

Review of 2020 Groundwater Monitoring Report: Content satisfactory

1. Follow recommendations stated within 2020 Groundwater Monitoring Report.
   a. Continue semi-annual groundwater monitoring in 2021
   b. Continue quarterly free product removal events
   c. Submit a work plan detailing AS/SVE remediation system installation and activities following afterward no later than March 31, 2022
   d. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022

SITE DETAILS

Site Location: Latitude: 36.846870 N, Longitude: -108.222305 W
Land Type: Private/Fee
Former Operator: Fuller Production (Well P&A'd)

SITE BACKGROUND

Environmental Remediation activities at Knight #1 (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, LLC's (EPCGP's) program methods. Formerly, the Site was operated by Fuller Production, Inc. and is no longer active. The wellhead was plugged and abandoned in August 2006.

The Site is located on Private/Fee land, and the current owner is R. McGee Ranches, Ltd. (McGee). An initial site assessment was completed in January 1995, and an excavation of 60 cubic yards (cy), to a depth of approximately 12 feet below ground surface (bgs), was completed in January 1995. An ORC nutrient injection was completed in November 1996. Monitoring wells were installed in 1995 (MW-1 through MW-4), 2000 (MW-5), and 2015 (MW-6 through MW-13). A soil assessment was completed in 2016 (GP-1 through GP-24). Two additional monitoring wells (MW-14 and MW-15), one soil vapor extraction (SVE) test well (SVE-1), and two air sparge (AS) test wells (AS-1 and AS-2) were installed in April 2018. Fourteen additional AS wells (AS-3 through AS-16) and seven additional SVE wells (SVE-2 through SVE-10) were installed in September 2019.

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. Free product has been periodically observed and recovered at the Site. AS and SVE feasibility testing was conducted in May 2018. Currently, groundwater sampling is conducted on a semi-annual basis.

AIR SPARGE AND SOIL VAPOR EXTRACTION PIPING INSTALLATION ACTIVITY

Beginning November 11th through November 24th, 2020, Stantec oversaw the installation of AS and SVE piping and associated infrastructure at the site. Crossfire LLC was contracted to perform the trenching, pipe installation, backfilling, and site restoration. The work proceeded in accordance with the work plan submitted to NMOCD on November 4, 2020. The NMOCD was also notified of the start of the installation activities November 4, 2020 (Appendix A).

Field observations and periodic soil screening with a photoionization detector did not identify any suspected petroleum contaminated soil during excavation activities, therefore, native soil was used to backfill around the installed high density polyethylene piping and no soil sampling was conducted. Groundwater was not encountered during trenching and trenching also did not uncover any former production structures requiring removal. As a result, there were no significant deviations from the scope of work proposed in the Work Plan. Daily Report Forms summarizing the work performed each day are included as Appendix B. A photolog showing construction details and the final site condition is provided

in Appendix C. The final configuration of the remediation piping and other improvements is depicted on Figure 3.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 5, 2019 and November 5, 2019, prior to initiating groundwater sampling activities at the Site. Copies of the 2020 NMOCD notifications are provided in Appendix A. Groundwater monitoring and sampling was completed on May 14 and November 11, 2020. During each sampling event, water levels were gauged from monitoring wells MW-1 through MW-15. Monitoring wells MW-1, MW-2, MW-7, MW-10, MW-11, MW-13, and MW-15 were sampled in May and November 2020. Monitoring wells MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, and MW-14 were also sampled in November 2020.

Groundwater samples were collected from selected monitoring wells using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event. HydraSleeves were suspended 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, Inc. in Pensacola, Florida. One laboratory supplied trip blank and one blind field duplicate were also collected during each groundwater sampling event. The groundwater samples, field duplicate and trip blank were analyzed for BTEX constituents using United States EPA Method 8260.

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

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 not observed in Site wells during the May 2020 sampling event. In August 2020, < 0.01 feet of free product was observed in MW-4 and < 0.01 gallons were recovered. In November 2020, 0.02 feet of free product was measured at MW-12 and < 0.01 gallons was recovered via 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 D).

SUMMARY TABLES

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

SITE MAPS

Groundwater analytical maps (Figures 4 and 6) and groundwater elevation contour maps (Figures 5

and 7) summarize results of the 2020 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix E.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the south south-west during 2020 (see Figures 5 and 7).
- Free product was observed in MW-12 during the November semi-annual groundwater sampling event; therefore, a groundwater sample was not collected from this location in November 2020.
- Groundwater samples collected during both events in 2020 from MW-1 and MW-11, and during the November event from MW-3 and MW-4, exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 µg/L) for benzene in groundwater. Benzene concentrations were either below the standard or not detected in other Site monitoring wells sampled in 2020.
- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or not detected in the Site monitoring wells sampled in 2020.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or not detected in the Site monitoring wells sampled in 2020.
- The groundwater sample collected from MW-4 in November 2020 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Concentrations of total xylenes concentrations were either below the standard or not detected in other Site monitoring wells sampled in 2020.
- A field duplicate was collected from MW-11 for the May 2020, and a field duplicate was collected from MW-1 for the November 2020 semi-annual monitoring event. 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. A field duplicate and trip blank will also be collected during each groundwater sampling event. The groundwater samples, field duplicate and trip blank will be analyzed for BTEX constituents using EPA Method 8260.

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Pending availability of a Kinder Morgan-owned remediation system being used at another location, AS/SVE system installation activities are expected to occur in late 2021. Once confirmed to be available, a work plan detailing the system components, installation layout and methods, and operation and maintenance procedures will be submitted to the NMOCD under separate cover. Until the remediation system is operating, quarterly free product removal events will occur at the site in 2021.

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

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/16/95	5080	1180	1050	9970
MW-1	12/12/95	4330	679	1010	8560
MW-1	04/09/96	5490	208	1100	7370
MW-1	07/17/96	6450	279	990	9060
MW-1	10/15/96	9870	840	1120	10900
MW-1	01/13/97	7760	332	914	10900
MW-1	04/22/97	2700	<1	492	6690
MW-1	07/14/97	3900	36.7	530	6700
MW-1	10/22/97	4270	48.7	728	8580
MW-1	01/09/98	4750	24.2	819	9480
MW-1	04/24/98	5610	44.7	898	9530
MW-1	04/16/99	7340	42.8	853	10600
MW-1	04/19/00	9400	510	4300	66000
MW-1	09/05/01	NS	NS	NS	NS
MW-1	09/11/01	NS	NS	NS	NS
MW-1	09/04/02	NS	NS	NS	NS
MW-1	12/10/02	NS	NS	NS	NS
MW-1	03/20/03	NS	NS	NS	NS
MW-1	06/19/03	NS	NS	NS	NS
MW-1	09/17/03	NS	NS	NS	NS
MW-1	12/09/03	NS	NS	NS	NS
MW-1	03/15/04	NS	NS	NS	NS
MW-1	09/15/04	NS	NS	NS	NS
MW-1	03/16/05	NS	NS	NS	NS
MW-1	09/19/05	4430	23.7	487	7370
MW-1	03/27/06	4410	26.6 J	337	7860
MW-1	09/26/06	5880	36.5	633	11000
MW-1	03/28/07	3740	<50	441	9210
MW-1	09/17/07	4640	93.3	444	8180
MW-1	03/04/08	NS	NS	NS	NS
MW-1	09/09/08	3230	<50	324	6780
MW-1	03/02/09	NS	NS	NS	NS
MW-1	08/27/09	2790	8.3 J	1190	12500
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/21/10	NS	NS	NS	NS
MW-1	09/29/10	2910	<50	1600	15000
MW-1	11/02/10	NS	NS	NS	NS
MW-1	02/02/11	NS	NS	NS	NS
MW-1	05/04/11	NS	NS	NS	NS
MW-1	09/30/11	1590	5 J	1120	10600
MW-1	11/11/11	NS	NS	NS	NS

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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	02/16/12	NS	NS	NS	NS
MW-1	05/08/12	NS	NS	NS	NS
MW-1	06/07/13	830	<60	1100	14000
MW-1	09/13/13	810	<60	960	3100
MW-1	12/13/13	600	25 J	730	2200
MW-1	04/03/14	330	28	<0.20	1400
MW-1	10/21/14	380	<7.0	<5.0	3000
MW-1	05/27/15	110	<100	1300	11000
MW-1	11/17/15	220	6.9	770	710
MW-1	04/15/16	110	<25	910	1000
MW-1	10/11/16	110	<25	460	100
MW-1	06/06/17	120	<25	350	36
MW-1	11/10/17	89	2.3	74	200
MW-1	05/17/18	<1.0	<1.0	<1.0	<10
DP-01(MW-1)*	05/17/18	<1.0	<1.0	<1.0	<10
MW-1	10/29/18	160	<2.0	250	280
MW-1	05/20/19	170	<1.0	56	94
MW-1	11/14/19	180	<1.0	120	120
MW-1	05/14/20	72	<1.0	<1.0	90
MW-1	11/11/20	170	<1.0	210	67
(DUP-01)MW-1	11/11/20	160	<1.0	220	75
MW-2	12/12/95	175	<12.5	74.3	671
MW-2	04/09/96	39.2	<1	13.4	77.9
MW-2	07/17/96	9.55	<1	2.39	3.65
MW-2	10/15/96	49.7	<1	<1	38.4
MW-2	01/13/97	20.3	<1	<1	37.3
MW-2	04/22/97	19.4	<1	<1	29.8
MW-2	10/22/97	155	<1	12.6	204
MW-2	01/09/98	58	<1	3.85	207
MW-2	04/24/98	19.4	<1	<1	40.7
MW-2	02/09/99	19	<1	<1	48
MW-2	04/16/99	16.7	<1	<1	41
MW-2	04/19/00	23	0.5	<0.5	26
MW-2	09/11/01	110	<0.5	17	200
MW-2	09/04/02	269	7.4	48.9	482.4
MW-2	12/10/02	NS	NS	NS	NS
MW-2	06/19/03	NS	NS	NS	NS
MW-2	09/17/03	177	<1	41	343
MW-2	12/09/03	NS	NS	NS	NS
MW-2	03/15/04	NS	NS	NS	NS

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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-2	09/15/04	291	<0.5	48.9	431
MW-2	03/16/05	NS	NS	NS	NS
MW-2	09/19/05	126	<1	9.5	231
MW-2	03/27/06	NS	NS	NS	NS
MW-2	09/26/06	95.8	<1	5.5	189
MW-2	03/28/07	NS	NS	NS	NS
MW-2	09/17/07	317	<1	12.5	354
MW-2	03/04/08	NS	NS	NS	NS
MW-2	09/09/08	34.3	<1	1.1	71.9
MW-2	03/02/09	NS	NS	NS	NS
MW-2	08/27/09	26.6	1.3	1.6	9
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/21/10	NS	NS	NS	NS
MW-2	09/29/10	100	<2	J1.5	34.8
MW-2	11/02/10	NS	NS	NS	NS
MW-2	02/02/11	NS	NS	NS	NS
MW-2	05/04/11	NS	NS	NS	NS
MW-2	09/30/11	26.6	<1	1	9.5
MW-2	11/11/11	NS	NS	NS	NS
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/08/12	NS	NS	NS	NS
MW-2	06/07/13	200	<0.30	4.4	21
MW-2	09/13/13	120	<0.30	17	150
MW-2	12/13/13	27	3	5.5	74
MW-2	04/03/14	120	3.2 J	12	190
MW-2	10/21/14	0.64 J	<0.70	<0.50	<1.6
MW-2	05/27/15	190	2.5 J	18	59
MW-2	11/17/15	34	<1.0	<1.0	<3.0
MW-2	04/15/16	7.8	<5.0	<1.0	<5.0
MW-2	10/11/16	2	<5.0	<1.0	<5.0
MW-2	06/06/17	1.0	<5.0	<1.0	<5.0
MW-2	11/10/17	<1.0	<1.0	<1.0	<10
MW-2	05/17/18	<1.0	<1.0	<1.0	<10
MW-2	10/29/18	<1.0	<1.0	<1.0	<10
MW-2	05/20/19	58.0	<1.0	<1.0	<10
MW-2	11/14/19	5.4	<1.0	<1.0	<10
MW-2	05/14/20	<1.0	<1.0	<1.0	<10
MW-2	11/11/20	<1.0	<1.0	<1.0	<10
MW-3	12/12/95	979	<125	398	2540
MW-3	04/09/96	328	<1	132	369

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NMWQCC Standards:		10	750	750	620
MW-3	07/17/96	299	<1	76.7	251
MW-3	01/13/97	395	<1	126	955
MW-3	07/14/97	499	<1	104	583
MW-3	10/22/97	817	7.22	141	869
MW-3	01/09/98	702	<1	185	1080
MW-3	04/24/98	377	11.8	126	525
MW-3	04/16/99	191	4.11	18.1	169
MW-3	04/19/00	40	0.6	1.1	28
MW-3	09/05/01	NS	NS	NS	NS
MW-3	09/11/01	NS	NS	NS	NS
MW-3	09/04/02	NS	NS	NS	NS
MW-3	12/10/02	NS	NS	NS	NS
MW-3	06/19/03	NS	NS	NS	NS
MW-3	09/17/03	NS	NS	NS	NS
MW-3	12/09/03	NS	NS	NS	NS
MW-3	03/15/04	NS	NS	NS	NS
MW-3	09/15/04	NS	NS	NS	NS
MW-3	03/16/05	NS	NS	NS	NS
MW-3	09/19/05	73.8	<1	5.2	158
MW-3	03/27/06	NS	NS	NS	NS
MW-3	09/26/06	3370	25	498	3960
MW-3	03/28/07	NS	NS	NS	NS
MW-3	09/17/07	288	<1	65.4	599
MW-3	03/04/08	NS	NS	NS	NS
MW-3	09/09/08	805	3.3	160	1630
MW-3	03/02/09	NS	NS	NS	NS
MW-3	08/27/09	2490	<25	842	6560
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/21/10	NS	NS	NS	NS
MW-3	09/29/10	2710	<50	1390	10600
MW-3	11/02/10	NS	NS	NS	NS
MW-3	02/02/11	NS	NS	NS	NS
MW-3	05/04/11	NS	NS	NS	NS
MW-3	09/30/11	1410	5.8 J	1280	12600
MW-3	11/11/11	NS	NS	NS	NS
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/08/12	NS	NS	NS	NS
MW-3	06/07/13	760	<0.30	1700	19000
MW-3	09/13/13	770	<0.30	1400	11000
MW-3	12/13/13	610	<38	960	9200
MW-3	04/03/14	670	<19	890	10000

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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-3	10/21/14	250	<35	990	10000
MW-3	05/27/15	52	<100	1400	4700
MW-3	11/17/15	44	5.2	1400	1100
MW-3	04/15/16	NS	NS	NS	NS
MW-3	10/11/16	NS	NS	NS	NS
MW-3	06/06/17	NS	NS	NS	NS
MW-3	11/10/17	NS	NS	NS	NS
MW-3	05/17/18	70	<2.0	64	220
MW-3	10/29/18	NS	NS	NS	NS
MW-3	05/20/19	NS	NS	NS	NS
MW-3	11/14/19	170	<2.0	200	<20
DUP-1(MW-3)*	11/14/19	180	<1.0	230	<10
MW-3	05/14/20	NS	NS	NS	NS
MW-3	11/11/20	220	<1.0	63	<10
MW-4	12/12/95	90.1	<12.5	16.8	144
MW-4	04/09/96	63.1	<1	<1	42.5
MW-4	07/17/96	35	<1	<1	17.8
MW-4	10/15/96	53.5	<1	<1	28.4
MW-4	01/13/97	56.2	<1	<1	48.4
MW-4	04/22/97	32.8	<1	<1	15.2
MW-4	07/14/97	10.4	<1	<1	5.79
MW-4	10/22/97	215	<1	5.5	184
MW-4	01/09/98	114	<1	2.66	85.7
MW-4	04/24/98	55.4	<1	<1	19.3
MW-4	04/16/99	129	<1	2.03	87.3
MW-4	04/19/00	110	6.5	17	140
MW-4	09/11/01	140	<0.5	9.6	110
MW-4	09/04/02	261	3.1	20.1	246.5
MW-4	12/10/02	NS	NS	NS	NS
MW-4	06/19/03	NS	NS	NS	NS
MW-4	09/17/03	192	<1	26.3	194
MW-4	12/09/03	NS	NS	NS	NS
MW-4	03/15/04	NS	NS	NS	NS
MW-4	09/15/04	182	<0.5	9.8	161
MW-4	03/16/05	NS	NS	NS	NS
MW-4	09/19/05	199	<1	53.8	416
MW-4	03/27/06	NS	NS	NS	NS
MW-4	09/26/06	180	12.5	55.9	417
MW-4	03/28/07	NS	NS	NS	NS
MW-4	09/17/07	272	4.7	21.3	236

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NMWQCC Standards:		10	750	750	620
MW-4	03/04/08	NS	NS	NS	NS
MW-4	09/09/08	265	0.94 J	26.5	274
MW-4	03/02/09	NS	NS	NS	NS
MW-4	08/27/09	NS	NS	NS	NS
MW-4	09/23/09	2110	12.6 J	676	6440
MW-4	10/19/09	NS	NS	NS	NS
MW-4	11/05/09	NS	NS	NS	NS
MW-4	12/21/09	NS	NS	NS	NS
MW-4	02/11/10	NS	NS	NS	NS
MW-4	05/21/10	NS	NS	NS	NS
MW-4	09/29/10	1400	<50	1020	6410
MW-4	11/02/10	NS	NS	NS	NS
MW-4	02/02/11	NS	NS	NS	NS
MW-4	05/04/11	NS	NS	NS	NS
MW-4	09/30/11	534	<10	1800	9510
MW-4	11/11/11	NS	NS	NS	NS
MW-4	02/16/12	NS	NS	NS	NS
MW-4	05/08/12	NS	NS	NS	NS
MW-4	06/07/13	2700	<0.30	900	12000
MW-4	09/13/13	NS	NS	NS	NS
MW-4	12/13/13	NS	NS	NS	NS
MW-4	04/03/14	NS	NS	NS	NS
MW-4	10/21/14	NS	NS	NS	NS
MW-4	05/27/15	NS	NS	NS	NS
MW-4	11/17/15	NS	NS	NS	NS
MW-4	04/15/16	15	<5.0	8.7	510
MW-4	10/11/16	NS	NS	NS	NS
MW-4	06/06/17	NS	NS	NS	NS
MW-4	07/24/17	NS	NS	NS	NS
MW-4	11/10/17	64	<10	130	900
MW-4	05/17/18	NS	NS	NS	NS
MW-4	10/29/18	NS	NS	NS	NS
MW-4	05/20/19	NS	NS	NS	NS
MW-4	11/14/19	NS	NS	NS	NS
MW-4	05/14/20	NS	NS	NS	NS
MW-4	11/11/20	440	<2.0	140	8400
MW-5	11/15/00	<0.5	<0.5	<0.5	<0.5
MW-5	09/11/01	<0.5	<0.5	<0.5	0.6
MW-5	09/04/02	<0.5	0.3	0.9	1.4
MW-5	12/10/02	NS	NS	NS	NS

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Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	06/19/03	NS	NS	NS	NS
MW-5	09/17/03	NS	NS	NS	NS
MW-5	12/09/03	NS	NS	NS	NS
MW-5	03/15/04	NS	NS	NS	NS
MW-5	09/15/04	NS	NS	NS	NS
MW-5	03/16/05	NS	NS	NS	NS
MW-5	09/19/05	NS	NS	NS	NS
MW-5	03/28/07	NS	NS	NS	NS
MW-5	09/17/07	NS	NS	NS	NS
MW-5	03/04/08	NS	NS	NS	NS
MW-5	09/09/08	NS	NS	NS	NS
MW-5	03/02/09	NS	NS	NS	NS
MW-5	08/27/09	NS	NS	NS	NS
MW-5	02/11/10	NS	NS	NS	NS
MW-5	05/21/10	NS	NS	NS	NS
MW-5	09/29/10	34.1	<2	<2	2.7 J
MW-5	11/02/10	NS	NS	NS	NS
MW-5	02/02/11	NS	NS	NS	NS
MW-5	05/04/11	NS	NS	NS	NS
MW-5	09/30/11	<1	<1	<1	1.2 J
MW-5	11/11/11	NS	NS	NS	NS
MW-5	02/16/12	NS	NS	NS	NS
MW-5	05/08/12	NS	NS	NS	NS
MW-5	06/07/13	<0.14	<0.30	<0.20	<0.23
MW-5	09/13/13	<0.14	<0.30	<0.20	<0.23
MW-5	12/13/13	<0.20	<0.38	<0.20	0.68 J
MW-5	04/03/14	<0.20	<0.38	<0.20	<0.65
MW-5	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-5	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-5	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-5	04/15/16	NS	NS	NS	NS
MW-5	10/11/16	NS	NS	NS	NS
MW-5	06/06/17	NS	NS	NS	NS
MW-5	11/10/17	NS	NS	NS	NS
MW-5	05/17/18	<1.0	<1.0	<1.0	<10
MW-5	10/29/18	NS	NS	NS	NS
MW-5	05/20/19	NS	NS	NS	NS
MW-5	11/14/19	<1.0	<1.0	<1.0	<10
MW-5	05/14/20	NS	NS	NS	NS
MW-5	11/11/20	<1.0	<1.0	<1.0	<10

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/15/16	NS	NS	NS	NS
MW-6	10/11/16	NS	NS	NS	NS
MW-6	06/06/17	NS	NS	NS	NS
MW-6	11/10/17	NS	NS	NS	NS
MW-6	05/17/18	<1.0	<1.0	<1.0	<10
MW-6	10/29/18	NS	NS	NS	NS
MW-6	05/20/19	NS	NS	NS	NS
MW-6	11/14/19	<1.0	<1.0	<1.0	<10
MW-6	05/14/20	NS	NS	NS	NS
MW-6	11/11/20	<1.0	<1.0	<1.0	<10
MW-7	11/17/15	18	<1.0	38	100
MW-7	04/15/16	7.8	<10	4.3	48
MW-7	10/11/16	81	<10	320	1700
MW-7	06/06/17	20	<5.0	33	390
MW-7	11/10/17	8.3	<1.0	2.5	170
MW-7	05/17/18	1.3	<1.0	<1.0	<10
MW-7	10/29/18	<1.0	<1.0	<1.0	<10
MW-7	05/20/19	<1.0	<1.0	<1.0	<10
MW-7	11/14/19	<1.0	<1.0	<1.0	<10
MW-7	05/14/20	1.1	<1.0	<1.0	<10
MW-7	11/11/20	<1.0	<1.0	<1.0	<10
MW-8	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-8	04/15/16	<1.0	<5.0	<1.0	<5.0
MW-8	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-8	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-8	11/10/17	<1.0	<1.0	<1.0	<10
MW-8	05/17/18	<1.0	<1.0	<1.0	<10
MW-8	10/29/18	<1.0	<1.0	<1.0	<10
MW-8	05/20/19	<1.0	<1.0	<1.0	<10
MW-8	11/14/19	<1.0	<1.0	<1.0	<10
MW-8	05/14/20	<1.0	<1.0	<1.0	<10
MW-8	11/11/20	<1.0	<1.0	<1.0	<10
MW-9	11/17/15	1.1	<1.0	<1.0	<3.0
MW-9	04/15/16	NS	NS	NS	NS
MW-9	10/11/16	NS	NS	NS	NS
MW-9	06/06/17	NS	NS	NS	NS
MW-9	11/10/17	NS	NS	NS	NS
MW-9	05/17/18	<1.0	<1.0	<1.0	<10

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	10/29/18	NS	NS	NS	NS
MW-9	05/20/19	NS	NS	NS	NS
MW-9	11/14/19	<1.0	<1.0	<1.0	<10
MW-9	05/14/20	NS	NS	NS	NS
MW-9	11/11/20	<1.0	<1.0	<1.0	<10
MW-10	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-10	04/15/16	NS	NS	NS	NS
MW-10	10/11/16	NS	NS	NS	NS
MW-10	06/06/17	NS	NS	NS	NS
MW-10	11/10/17	NS	NS	NS	NS
MW-10	05/17/18	<1.0	<1.0	<1.0	<10
MW-10	10/29/18	NS	NS	NS	NS
MW-10	05/20/19	NS	NS	NS	NS
MW-10	11/14/19	<1.0	<1.0	<1.0	<10
MW-10	05/14/20	<1.0	<1.0	<1.0	<10
MW-10	11/11/20	<1.0	<1.0	<1.0	<10
MW-11	11/17/15	2000	3.7	800	1600
MW-11	04/15/16	410	<50	32	54
MW-11	10/11/16	1100	<100	280	2000
MW-11	06/06/17	NS	NS	NS	NS
MW-11	11/10/17	3.3	<1.0	2.7	25
MW-11	05/17/18	32	<1.0	16	160
MW-11	10/29/18	110	<2.0	34	270
DUP-01(MW-11)*	10/29/18	93	<1.0	35	270
MW-11	05/20/19	28	<1.0	14	60
DUP-1(MW-11)*	05/20/19	24	<1.0	19	88
MW-11	11/14/19	520	<5.0	290	800
MW-11	05/14/20	30	<1.0	46	81
DUP-01(MW-11)*	05/14/20	26	<1.0	45	87
MW-11	11/11/20	200	<1.0	150	300
MW-12	11/17/15	19	<1.0	12	90
MW-12	04/15/16	NS	NS	NS	NS
MW-12	10/11/16	NS	NS	NS	NS
MW-12	06/06/17	NS	NS	NS	NS
MW-12	07/24/17	NS	NS	NS	NS
MW-12	11/10/17	NS	NS	NS	NS
MW-12	05/17/18	130	<5.0	79	680
MW-12	10/29/18	NS	NS	NS	NS
MW-12	05/20/19	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-12	11/14/19	NS	NS	NS	NS
MW-12	05/14/20	NS	NS	NS	NS
MW-12	11/11/20	NS	NS	NS	NS
MW-13	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-13	04/15/16	NS	NS	NS	NS
MW-13	10/11/16	NS	NS	NS	NS
MW-13	06/06/17	NS	NS	NS	NS
MW-13	11/10/17	NS	NS	NS	NS
MW-13	05/17/18	<1.0	<1.0	<1.0	<10
MW-13	10/29/18	NS	NS	NS	NS
MW-13	05/20/19	NS	NS	NS	NS
MW-13	11/14/19	<1.0	<1.0	<1.0	<10
MW-13	05/14/20	<1.0	<1.0	<1.0	<10
MW-13	11/11/20	<1.0	<1.0	<1.0	<10
MW-14	05/17/18	<1.0	<1.0	<1.0	<10
MW-14	10/29/18	<1.0	<1.0	<1.0	<10
MW-14	05/20/19	<1.0	<1.0	<1.0	<10
MW-14	11/14/19	<1.0	<1.0	<1.0	<10
MW-14	05/14/20	NS	NS	NS	NS
MW-14	11/11/20	<1.0	<1.0	<1.0	<10
MW-15	05/17/18	<1.0	<1.0	<1.0	<10
MW-15	10/29/18	<1.0	<1.0	<1.0	<10
MW-15	05/20/19	<1.0	<1.0	<1.0	<10
MW-15	11/14/19	<1.0	<1.0	<1.0	<10
MW-15	05/14/20	<1.0	<1.0	<1.0	<10
MW-15	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

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/16/95	5512.35	NR	26.03		5486.32
MW-1	12/12/95	5512.35	NR	25.91		5486.44
MW-1	04/09/96	5512.35	26.34	26.71	0.37	5485.92
MW-1	07/17/96	5512.35	25.35	25.39	0.04	5486.99
MW-1	10/15/96	5512.35	26.60	27.35	0.75	5485.56
MW-1	01/13/97	5512.35	NR	26.53		5485.82
MW-1	04/22/97	5512.35	NR	26.23		5486.12
MW-1	07/14/97	5512.35	NR	25.25		5487.10
MW-1	10/22/97	5512.35	NR	26.22		5486.13
MW-1	01/09/98	5512.35	NR	25.82		5486.53
MW-1	04/24/98	5512.35	25.87	26.01	0.14	5486.44
MW-1	04/16/99	5512.35	26.40	26.52	0.12	5485.92
MW-1	04/19/00	5512.35	27.07	27.14	0.07	5485.26
MW-1	09/05/01	5512.35	27.93	28.32	0.39	5484.32
MW-1	09/11/01	5512.35	28.05	28.10	0.05	5484.29
MW-1	09/04/02	5512.35	28.31	28.39	0.08	5484.02
MW-1	12/10/02	5512.35	28.31	28.47	0.16	5484.00
MW-1	03/20/03	5512.35	28.05	28.14	0.09	5484.28
MW-1	06/19/03	5512.35	28.00	28.02	0.02	5484.34
MW-1	09/17/03	5512.35	28.95	28.97	0.02	5483.39
MW-1	12/09/03	5512.35	28.30	28.32	0.02	5484.04
MW-1	03/15/04	5512.35	27.89	27.99	0.10	5484.43
MW-1	09/15/04	5512.35	28.77	28.78	0.01	5483.58
MW-1	03/16/05	5512.35	ND	28.12		5484.68
MW-1	09/19/05	5512.35	ND	27.47		5484.88
MW-1	03/27/06	5512.35	ND	26.49		5485.86
MW-1	09/26/06	5512.35	ND	25.91		5486.44
MW-1	03/28/07	5512.35	ND	25.87		5486.48
MW-1	09/17/07	5512.35	ND	26.94		5485.41
MW-1	03/04/08	5512.35	ND	25.70		5486.65
MW-1	09/09/08	5512.35	ND	26.68		5485.67
MW-1	03/02/09	5512.35	ND	24.71		5487.64
MW-1	08/27/09	5512.35	ND	24.30		5488.05
MW-1	02/11/10	5512.35	ND	24.83		5487.52
MW-1	05/21/10	5512.35	ND	23.54		5488.81
MW-1	09/29/10	5512.35	ND	24.33		5488.02
MW-1	11/02/10	5512.35	ND	22.31		5490.04
MW-1	02/02/11	5512.35	ND	23.62		5488.73
MW-1	05/04/11	5512.35	ND	22.50		5489.85
MW-1	09/30/11	5512.35	ND	22.26		5490.09

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/11/11	5512.35	ND	22.87		5489.48
MW-1	02/16/12	5512.35	ND	24.01		5488.34
MW-1	05/08/12	5512.35	ND	22.01		5490.34
MW-1	06/07/13	5512.35	ND	21.73		5490.62
MW-1	09/13/13	5512.35	ND	26.75		5485.60
MW-1	12/13/13	5512.35	ND	26.45		5485.90
MW-1	04/03/14	5512.35	ND	25.71		5486.64
MW-1	10/21/14	5512.35	ND	25.88		5486.47
MW-1	05/27/15	5512.35	ND	19.29		5493.06
MW-1	11/17/15	5512.35	ND	22.76		5489.59
MW-1	04/15/16	5512.35	ND	23.54		5488.81
MW-1	10/11/16	5512.35	ND	21.69		5490.66
MW-1	06/06/17	5512.35	ND	22.72		5489.63
MW-1	11/10/17	5512.35	ND	23.96		5488.39
MW-1	05/17/18	5512.35	ND	23.30		5489.05
MW-1	10/29/18	5512.35	ND	26.32		5486.03
MW-1	05/20/19	5512.35	ND	25.81		5486.54
MW-1	11/14/19	5512.35	ND	25.35		5487.00
MW-1	05/14/20	5512.35	ND	23.84		5488.51
MW-1	11/11/20	5512.35	ND	24.98		5487.37
MW-2	12/12/95	5511.65	NR	25.37		5486.28
MW-2	04/09/96	5511.65	NR	25.58		5486.07
MW-2	07/17/96	5511.65	NR	25.09		5486.56
MW-2	10/15/96	5511.65	NR	26.36		5485.29
MW-2	01/13/97	5511.65	NR	26.05		5485.60
MW-2	04/22/97	5511.65	NR	25.82		5485.83
MW-2	10/22/97	5511.65	NR	25.86		5485.79
MW-2	01/09/98	5511.65	NR	25.50		5486.15
MW-2	04/24/98	5511.65	NR	25.60		5486.05
MW-2	02/09/99	5511.65	NR	26.05		5485.60
MW-2	04/16/99	5511.65	NR	26.16		5485.49
MW-2	04/19/00	5511.65	NR	25.92		5485.73
MW-2	09/11/01	5511.65	NR	27.60		5484.05
MW-2	09/04/02	5511.65	NR	27.88		5483.77
MW-2	12/10/02	5511.65	NR	27.90		5483.75
MW-2	06/19/03	5511.65	ND	27.46		5484.19
MW-2	09/17/03	5511.65	ND	28.42		5483.23
MW-2	12/09/03	5511.65	ND	27.87		5483.78
MW-2	03/15/04	5511.65	ND	27.55		5484.10
MW-2	09/15/04	5511.65	ND	28.25		5483.40

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	03/16/05	5511.65	ND	27.30		5484.35
MW-2	09/19/05	5511.65	ND	26.80		5484.85
MW-2	03/27/06	5511.65	ND	26.18		5485.47
MW-2	09/26/06	5511.65	ND	25.66		5485.99
MW-2	03/28/07	5511.65	ND	25.58		5486.07
MW-2	09/17/07	5511.65	ND	26.63		5485.02
MW-2	03/04/08	5511.65	ND	25.47		5486.18
MW-2	09/09/08	5511.65	ND	26.30		5485.35
MW-2	03/02/09	5511.65	ND	24.46		5487.19
MW-2	08/27/09	5511.65	ND	24.00		5487.65
MW-2	02/11/10	5511.65	ND	24.45		5487.20
MW-2	05/21/10	5511.65	ND	23.21		5488.44
MW-2	09/29/10	5511.65	ND	23.00		5488.65
MW-2	11/02/10	5511.65	ND	22.03		5489.62
MW-2	02/02/11	5511.65	ND	23.41		5488.24
MW-2	05/04/11	5511.65	ND	22.67		5488.98
MW-2	09/30/11	5511.65	ND	21.75		5489.90
MW-2	11/11/11	5511.65	ND	22.59		5489.06
MW-2	02/16/12	5511.65	ND	23.72		5487.93
MW-2	05/08/12	5511.65	ND	21.99		5489.66
MW-2	06/07/13	5511.65	ND	22.88		5488.77
MW-2	09/13/13	5511.65	ND	26.49		5485.16
MW-2	12/13/13	5511.65	ND	26.18		5485.47
MW-2	04/03/14	5511.65	ND	25.43		5486.22
MW-2	10/21/14	5511.65	ND	25.62		5486.03
MW-2	05/27/15	5511.65	ND	20.41		5491.24
MW-2	11/17/15	5511.65	ND	22.57		5489.08
MW-2	04/15/16	5511.65	ND	23.23		5488.42
MW-2	10/11/16	5511.65	ND	21.33		5490.32
MW-2	06/06/17	5511.65	ND	22.39		5489.26
MW-2	11/10/17	5511.65	ND	23.60		5488.05
MW-2	05/17/18	5511.65	ND	22.90		5488.75
MW-2	10/29/18	5511.65	ND	25.95		5485.70
MW-2	05/20/19	5511.65	ND	25.45		5486.20
MW-2	11/14/19	5511.65	ND	24.94		5486.71
MW-2	05/14/20	5511.65	ND	23.43		5488.22
MW-2	11/11/20	5511.65	ND	24.59		5487.06
MW-3	12/12/95	5512.19	NR	25.67		5486.52
MW-3	04/09/96	5512.19	NR	25.78		5486.41
MW-3	07/17/96	5512.19	NR	25.15		5487.04

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	01/13/97	5512.19	26.25	26.41	0.16	5485.90
MW-3	07/14/97	5512.19	NR	25.21		5486.98
MW-3	10/22/97	5512.19	NR	26.01		5486.18
MW-3	01/09/98	5512.19	NR	25.69		5486.50
MW-3	04/24/98	5512.19	NR	25.76		5486.43
MW-3	04/16/99	5512.19	NR	26.30		5485.89
MW-3	04/19/00	5512.19	NR	26.75		5485.44
MW-3	09/05/01	5512.19	27.84	27.91	0.07	5484.33
MW-3	09/11/01	5512.19	27.89	27.91	0.02	5484.29
MW-3	09/04/02	5512.19	28.16	28.17	0.01	5484.03
MW-3	12/10/02	5512.19	28.17	28.20	0.03	5484.01
MW-3	06/19/03	5512.19	ND	27.81		5484.38
MW-3	09/17/03	5512.19	28.76	28.79	0.03	5483.42
MW-3	12/09/03	5512.19	ND	28.11		5484.08
MW-3	03/15/04	5512.19	ND	27.78		5484.41
MW-3	09/15/04	5512.19	ND	28.60		5483.59
MW-3	03/16/05	5512.19	ND	27.48		5484.71
MW-3	09/19/05	5512.19	ND	27.16		5485.03
MW-3	03/27/06	5512.19	ND	26.34		5485.85
MW-3	09/26/06	5512.19	ND	25.83		5486.36
MW-3	03/28/07	5512.19	ND	25.71		5486.48
MW-3	09/17/07	5512.19	ND	26.85		5485.34
MW-3	03/04/08	5512.19	ND	25.55		5486.64
MW-3	09/09/08	5512.19	ND	25.62		5486.57
MW-3	03/02/09	5512.19	ND	24.55		5487.64
MW-3	08/27/09	5512.19	ND	24.13		5488.06
MW-3	02/11/10	5512.19	ND	24.67		5487.52
MW-3	05/21/10	5512.19	ND	23.40		5488.79
MW-3	09/29/10	5512.19	ND	23.42		5488.77
MW-3	11/02/10	5512.19	ND	22.20		5489.99
MW-3	02/02/11	5512.19	ND	23.44		5488.75
MW-3	05/04/11	5512.19	ND	22.37		5489.82
MW-3	09/30/11	5512.19	ND	21.94		5490.25
MW-3	11/11/11	5512.19	ND	22.75		5489.44
MW-3	02/16/12	5512.19	ND	23.85		5488.34
MW-3	05/08/12	5512.19	ND	21.90		5490.29
MW-3	06/07/13	5512.19	ND	21.61		5490.58
MW-3	09/13/13	5512.19	ND	26.71		5485.48
MW-3	12/13/13	5512.19	ND	26.31		5485.88
MW-3	04/03/14	5512.19	ND	25.55		5486.64

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	10/21/14	5512.19	ND	25.73		5486.46
MW-3	05/27/15	5512.19	ND	19.02		5493.17
MW-3	11/17/15	5512.19	ND	22.61		5489.58
MW-3	04/15/16	5512.19	ND	23.37		5488.82
MW-3	10/11/16	5512.19	ND	21.54		5490.65
MW-3	06/06/17	5512.19	ND	22.56		5489.63
MW-3	11/10/17	5512.19	ND	23.79		5488.40
MW-3	05/17/18	5512.19	ND	23.14		5489.05
MW-3	10/29/18	5512.19	ND	26.15		5486.04
MW-3	05/20/19	5512.19	ND	25.66		5486.53
MW-3	11/14/19	5512.19	ND	25.20		5486.99
MW-3	05/14/20	5512.19	ND	23.68		5488.51
MW-3	11/11/20	5512.19	ND	24.82		5487.37
MW-4	12/12/95	5512.86	NR	26.27		5486.59
MW-4	04/09/96	5512.86	NR	26.40		5486.46
MW-4	07/17/96	5512.86	NR	25.77		5487.09
MW-4	10/15/96	5512.86	NR	27.26		5485.60
MW-4	01/13/97	5512.86	NR	26.96		5485.90
MW-4	04/22/97	5512.86	NR	26.69		5486.17
MW-4	07/14/97	5512.86	NR	25.78		5487.08
MW-4	10/22/97	5512.86	NR	26.72		5486.14
MW-4	01/09/98	5512.86	NR	26.34		5486.52
MW-4	04/24/98	5512.86	NR	26.44		5486.42
MW-4	04/16/99	5512.86	NR	26.97		5485.89
MW-4	04/19/00	5512.86	NR	26.09		5486.77
MW-4	09/11/01	5512.86	NR	28.48		5484.38
MW-4	09/04/02	5512.86	NR	28.76		5484.10
MW-4	12/10/02	5512.86	NR	28.80		5484.06
MW-4	06/19/03	5512.86	ND	28.43		5484.43
MW-4	09/17/03	5512.86	ND	29.36		5483.50
MW-4	12/09/03	5512.86	ND	28.73		5484.13
MW-4	03/15/04	5512.86	ND	28.42		5484.44
MW-4	09/15/04	5512.86	ND	29.20		5483.66
MW-4	03/16/05	5512.86	ND	28.12		5484.74
MW-4	09/19/05	5512.86	ND	27.74		5485.12
MW-4	03/27/06	5512.86	ND	26.87		5485.99
MW-4	09/26/06	5512.86	ND	26.45		5486.41
MW-4	03/28/07	5512.86	ND	26.34		5486.52
MW-4	09/17/07	5512.86	ND	27.44		5485.42
MW-4	03/04/08	5512.86	ND	26.23		5486.63

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	09/09/08	5512.86	ND	26.15		5486.71
MW-4	03/02/09	5512.86	ND	25.19		5487.67
MW-4	08/27/09	5512.86	24.13	27.10	2.97	5487.99
MW-4	09/23/09	5512.86	25.35	26.15	0.80	5487.31
MW-4	10/19/09	5512.86	25.15	25.70	0.55	5487.57
MW-4	11/05/09	5512.86	25.69	25.95	0.26	5487.10
MW-4	12/21/09	5512.86	25.85	26.05	0.20	5486.96
MW-4	02/11/10	5512.86	25.28	25.40	0.12	5487.55
MW-4	05/21/10	5512.86	24.03	24.05	0.02	5488.82
MW-4	09/29/10	5512.86	23.35	25.05	1.70	5489.08
MW-4	11/02/10	5512.86	22.74	23.38	0.64	5489.96
MW-4	02/02/11	5512.86	24.18	24.37	0.19	5488.63
MW-4	05/04/11	5512.86	ND	22.13		5490.73
MW-4	09/30/11	5512.86	21.85	24.52	2.67	5490.34
MW-4	11/11/11	5512.86	23.40	23.74	0.34	5489.37
MW-4	02/16/12	5512.86	ND	24.68		5488.18
MW-4	05/08/12	5512.86	22.44	22.46	0.02	5490.41
MW-4	06/07/13	5512.86	23.75	24.76	1.01	5488.86
MW-4	09/13/13	5512.86	27.07	28.84	1.77	5485.35
MW-4	12/13/13	5512.86	26.78	27.30	0.52	5485.95
MW-4	04/03/14	5512.86	26.07	26.43	0.36	5486.70
MW-4	10/21/14	5512.86	26.14	27.02	0.88	5486.50
MW-4	05/27/15	5512.86	20.58	20.58	<0.01	5492.28
MW-4	11/17/15	5512.86	23.07	23.64	0.57	5489.65
MW-4	04/15/16	5512.86	ND	23.96		5488.90
MW-4	10/11/16	5512.86	21.93	22.55	0.62	5490.77
MW-4	06/06/17	5512.86	23.02	23.74	0.72	5489.66
MW-4	07/24/17	5512.86	24.30	24.78	0.48	5488.44
MW-4	11/10/17	5512.86	ND	24.41		5488.45
MW-4	05/17/18	5512.86	23.77	23.79	0.02	5489.08
MW-4	10/29/18	5512.86	26.74	27.00	0.26	5486.05
MW-4	05/20/19	5512.86	26.25	26.25	<0.01	5486.61
MW-4	11/14/19	5512.86	25.76	25.89	0.13	5487.07
MW-4	05/14/20	5512.86	ND	24.76		5488.10
MW-4	08/18/20	5512.86	24.98	24.98	<0.01	0.00
MW-4	11/11/20	5512.86	ND	25.42		5487.44
MW-5	11/15/00	5510.04	NR	25.62		5484.42
MW-5	09/11/01	5510.04	NR	25.94		5484.10
MW-5	09/04/02	5510.04	NR	26.21		5483.83
MW-5	12/10/02	5510.04	NR	26.11		5483.93

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	06/19/03	5510.04	ND	25.80		5484.24
MW-5	09/17/03	5510.04	ND	26.67		5483.37
MW-5	12/09/03	5510.04	ND	25.88		5484.16
MW-5	03/15/04	5510.04	ND	25.52		5484.52
MW-5	09/15/04	5510.04	ND	26.60		5483.44
MW-5	03/16/05	5510.04	ND	25.21		5484.83
MW-5	09/19/05	5510.04	ND	25.20		5484.84
MW-5	03/28/07	5510.04	ND	23.54		5486.50
MW-5	09/17/07	5510.04	ND	24.87		5485.17
MW-5	03/04/08	5510.04	ND	23.28		5486.76
MW-5	09/09/08	5510.04	ND	23.69		5486.35
MW-5	03/02/09	5510.04	ND	22.52		5487.52
MW-5	08/27/09	5510.04	ND	22.51		5487.53
MW-5	02/11/10	5510.04	ND	22.74		5487.30
MW-5	05/21/10	5510.04	ND	21.43		5488.61
MW-5	09/29/10	5510.04	ND	21.33		5488.71
MW-5	11/02/10	5510.04	ND	20.48		5489.56
MW-5	02/02/11	5510.04	ND	20.52		5489.52
MW-5	05/04/11	5510.04	ND	20.66		5489.38
MW-5	09/30/11	5510.04	ND	20.24		5489.80
MW-5	11/11/11	5510.04	ND	21.89		5488.15
MW-5	02/16/12	5510.04	ND	21.85		5488.19
MW-5	05/08/12	5510.04	ND	19.79		5490.25
MW-5	06/07/13	5510.04	ND	20.70		5489.34
MW-5	09/13/13	5510.04	ND	24.68		5485.36
MW-5	12/13/13	5510.04	ND	24.13		5485.91
MW-5	04/03/14	5510.04	ND	23.42		5486.62
MW-5	10/21/14	5510.04	ND	23.72		5486.32
MW-5	05/27/15	5510.04	ND	17.17		5492.87
MW-5	11/17/15	5510.04	ND	20.74		5489.30
MW-5	04/15/16	5510.04	ND	21.35		5488.69
MW-5	10/11/16	5510.04	ND	19.74		5490.30
MW-5	06/06/17	5510.04	ND	20.63		5489.41
MW-5	11/10/17	5510.04	ND	21.66		5488.38
MW-5	05/17/18	5510.04	ND	21.16		5488.88
MW-5	10/29/18	5510.04	ND	24.13		5485.91
MW-5	05/20/19	5510.04	ND	23.41		5486.63
MW-5	11/14/19	5510.04	ND	23.06		5486.98
MW-5	05/14/20	5510.04	ND	21.68		5488.36
MW-5	11/11/20	5510.04	ND	22.81		5487.23

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	11/17/15	5510.36	ND	21.31		5489.05
MW-6	04/15/16	5510.36	ND	21.90		5488.46
MW-6	10/11/16	5510.36	ND	20.22		5490.14
MW-6	06/06/17	5510.36	ND	20.13		5490.23
MW-6	11/10/17	5510.36	ND	22.20		5488.16
MW-6	05/17/18	5510.36	ND	21.63		5488.73
MW-6	10/29/18	5510.36	ND	24.65		5485.71
MW-6	05/20/19	5510.36	ND	23.95		5486.41
MW-6	11/14/19	5510.36	ND	23.57		5486.79
MW-6	05/14/20	5510.36	ND	22.14		5488.22
MW-6	11/11/20	5510.36	ND	23.29		5487.07
MW-7	11/17/15	5511.16	ND	21.77		5489.39
MW-7	04/15/16	5511.16	ND	22.43		5488.73
MW-7	10/11/16	5511.16	ND	20.68		5490.48
MW-7	06/06/17	5511.16	ND	21.67		5489.49
MW-7	11/10/17	5511.16	ND	22.77		5488.39
MW-7	05/17/18	5511.16	ND	22.17		5488.99
MW-7	10/29/18	5511.16	ND	25.19		5485.97
MW-7	05/20/19	5511.16	ND	24.58		5486.58
MW-7	11/14/19	5511.16	ND	24.18		5486.98
MW-7	05/14/20	5511.16	ND	22.71		5488.45
MW-7	11/11/20	5511.16	ND	23.85		5487.31
MW-8	11/17/15	5511.95	ND	22.21		5489.74
MW-8	04/15/16	5511.95	ND	22.94		5489.01
MW-8	10/11/16	5511.95	ND	21.25		5490.70
MW-8	06/06/17	5511.95	ND	22.20		5489.75
MW-8	11/10/17	5511.95	ND	23.25		5488.70
MW-8	05/17/18	5511.95	ND	22.74		5489.21
MW-8	10/29/18	5511.95	ND	25.74		5486.21
MW-8	05/20/19	5511.95	ND	25.08		5486.87
MW-8	11/14/19	5511.95	ND	24.70		5487.25
MW-8	05/14/20	5511.95	ND	23.24		5488.71
MW-8	11/11/20	5511.95	ND	24.39		5487.56
MW-9	11/17/15	5513.44	ND	23.49		5489.95
MW-9	04/15/16	5513.44	ND	24.29		5489.15
MW-9	10/11/16	5513.44	ND	22.48		5490.96
MW-9	06/06/17	5513.44	ND	23.54		5489.90
MW-9	11/10/17	5513.44	ND	24.68		5488.76
MW-9	05/17/18	5513.44	ND	24.11		5489.33
MW-9	10/29/18	5513.44	ND	27.11		5486.33

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	05/20/19	5513.44	ND	26.53		5486.91
MW-9	11/14/19	5513.44	ND	26.10		5487.34
MW-9	05/14/20	5513.44	ND	24.57		5488.87
MW-9	11/11/20	5513.44	ND	25.72		5487.72
MW-10	11/17/15	5513.72	ND	24.06		5489.66
MW-10	04/15/16	5513.72	ND	24.84		5488.88
MW-10	10/11/16	5513.72	ND	22.87		5490.85
MW-10	06/06/17	5513.72	ND	24.05		5489.67
MW-10	11/10/17	5513.72	ND	25.32		5488.40
MW-10	05/17/18	5513.72	ND	24.80		5488.92
MW-10	10/29/18	5513.72	ND	27.70		5486.02
MW-10	05/20/19	5513.72	ND	27.26		5486.46
MW-10	11/14/19	5513.72	ND	26.64		5487.08
MW-10	05/14/20	5513.72	ND	25.10		5488.62
MW-10	11/11/20	5513.72	ND	26.24		5487.48
MW-11	11/17/15	5513.41	ND	23.91		5489.50
MW-11	04/15/16	5513.41	ND	24.73		5488.68
MW-11	10/11/16	5513.41	ND	22.66		5490.75
MW-11	06/06/17	5513.41	23.87	23.99	0.12	5489.51
MW-11	07/24/17	5513.41	25.74	25.75	0.01	5487.76
MW-11	11/10/17	5513.41	ND	25.19		5488.22
MW-11	05/17/18	5513.41	ND	24.42		5488.99
MW-11	10/29/18	5513.41	ND	27.54		5485.87
MW-11	05/20/19	5513.41	ND	27.10		5486.31
MW-11	11/14/19	5513.41	ND	26.51		5486.90
MW-11	05/14/20	5513.41	ND	24.95		5488.46
MW-11	08/18/20	5513.41	ND	25.77		5487.64
MW-11	11/11/20	5513.41	ND	26.09		5487.32
MW-12	11/17/15	5511.47	ND	22.40		5489.07
MW-12	04/15/16	5511.47	ND	23.05		5488.42
MW-12	10/11/16	5511.47	ND	21.13		5490.34
MW-12	06/06/17	5511.47	22.21	22.22	0.01	5489.26
MW-12	07/24/17	5511.47	23.30	23.31	0.01	5488.17
MW-12	11/10/17	5511.47	ND	23.47		5488.00
MW-12	05/17/18	5511.47	ND	22.80		5488.67
MW-12	10/29/18	5511.47	ND	25.84		5485.63
MW-12	05/20/19	5511.47	25.32	25.44	0.12	5486.12
MW-12	11/14/19	5511.47	24.77	24.84	0.07	5486.68
MW-12	05/14/20	5511.47	ND	23.26		5488.21
MW-12	11/11/20	5511.47	24.40	24.42	0.02	5487.07

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-13	11/17/15	5509.07	ND	20.26		5488.81
MW-13	04/15/16	5509.07	ND	20.83		5488.24
MW-13	10/11/16	5509.07	ND	19.01		5490.06
MW-13	06/06/17	5509.07	19.99	19.99	<0.01	5489.08
MW-13	11/10/17	5509.07	ND	21.17		5487.90
MW-13	05/17/18	5509.07	ND	20.52		5488.55
MW-13	10/29/18	5509.07	ND	23.53		5485.54
MW-13	05/20/19	5509.07	ND	22.98		5486.09
MW-13	11/14/19	5509.07	ND	22.44		5486.63
MW-13	05/14/20	5509.07	ND	20.97		5488.10
MW-13	11/11/20	5509.07	ND	22.10		5486.97
MW-14	05/17/18	5511.71	ND	22.67		5489.04
MW-14	10/29/18	5511.71	ND	25.80		5485.91
MW-14	05/20/19	5511.71	ND	25.51		5486.20
MW-14	11/14/19	5511.71	ND	24.80		5486.91
MW-14	05/14/20	5511.71	ND	23.17		5488.54
MW-14	11/11/20	5511.71	ND	24.29		5487.42
MW-15	05/17/18	5511.05	ND	22.43		5488.62
MW-15	10/29/18	5511.05	ND	25.47		5485.58
MW-15	05/20/19	5511.05	ND	25.17		5485.88
MW-15	11/14/19	5511.05	ND	24.48		5486.57
MW-15	05/14/20	5511.05	ND	22.91		5488.14
MW-15	11/11/20	5511.05	ND	24.00		5487.05

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)

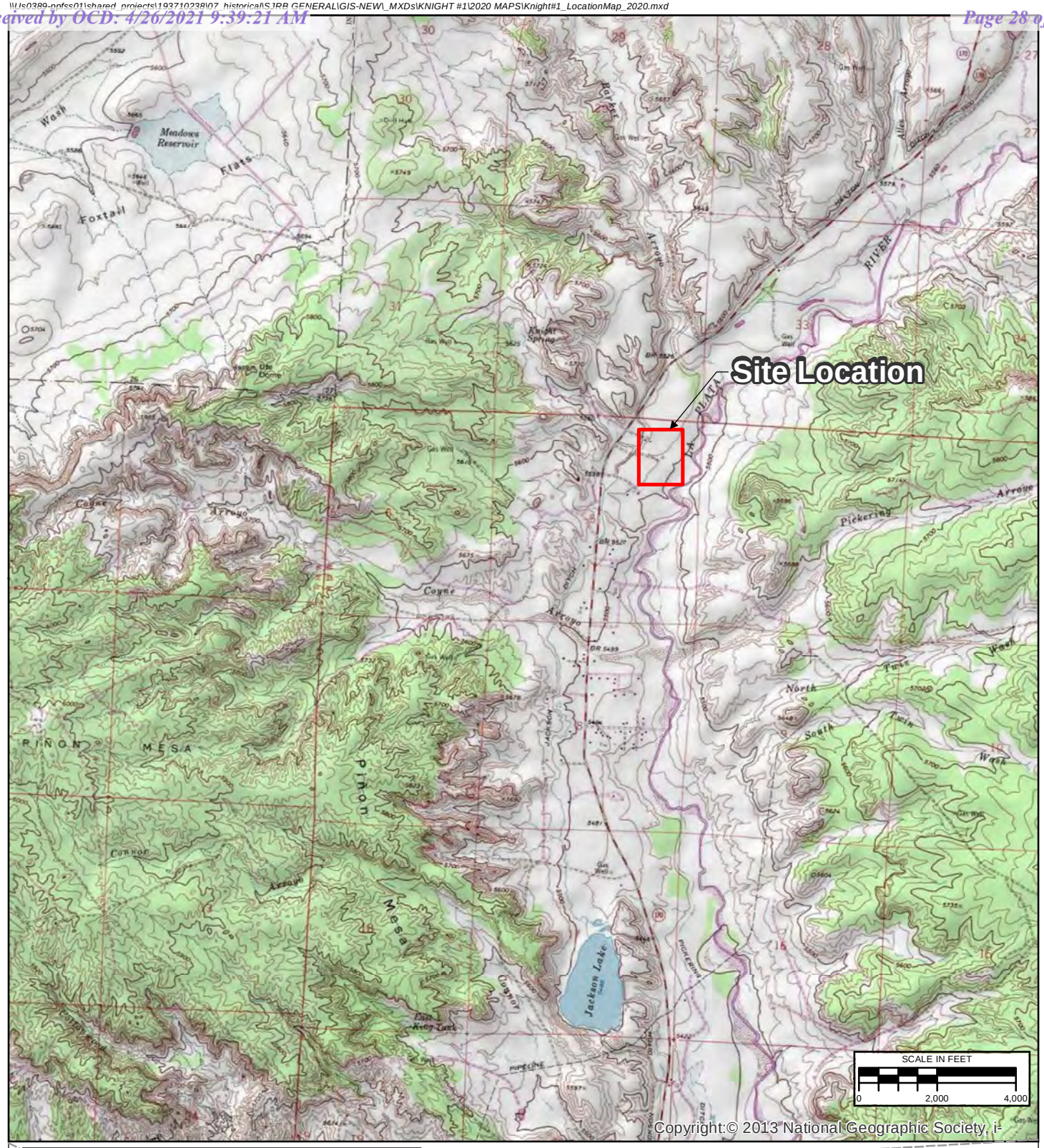
Table 3
Free Product Recovery Summary
Knight #1

Well ID - MW-4	Depth to Product (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	Product Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
5/27/2015	20.58	20.58	<0.01	<0.01	0.1	manual
11/17/2015	23.07	23.64	0.57	0.5	NR	manual
10/11/2016	21.93	22.55	0.62	0.13	0.03	manual
6/6/2017	23.02	23.74	0.72	0.01	<0.01	manual
7/24/2017	24.30	24.78	0.48	1.8	2036	Mobile DPE*
5/17/2018	23.77	23.79	0.02	<0.01	<0.01	manual
10/29/2018	26.74	27.00	0.26	<0.01	<0.01	manual
5/20/2019	26.25	26.25	<0.01	<0.01	<0.01	manual
11/14/2019	25.76	25.89	0.13	0.13	0.50	manual
8/18/2020	24.98	24.98	<0.01	<0.01	0.26	manual
			Total:	2.6	2037	
Well ID - MW-11						
6/6/2017	23.87	23.99	0.12	0.01	<0.01	manual
7/25/2017	25.45	25.46	0.01	1.2	71	Mobile DPE*
			Total:	1.2	71	
Well ID - MW-12						
6/6/2017	22.21	22.22	0.01	0.01	<0.01	manual
7/24/2017	22.30	22.31	0.01	5	1193	Mobile DPE*
5/20/2019	25.32	25.44	0.12	0.01	0.48	manual
11/14/2019	24.77	24.84	0.07	<0.01	0.13	manual
11/11/2020	24.4	24.42	0.02	<0.01	0.24	manual
			Total:	5.0	1194	
Well ID - MW-13						
6/6/2017	19.99	19.99	<0.01	<0.01	0.1	manual
			Total:	<0.01	0.1	

Notes:
gal = gallons.
NR = Not Recorded.
* = Mobile Duel Phase Extraction (DPE) includes calculated recovered hydrocarbon vapors.
Product recovery data for 2014 and previous years documented in previously-submitted reports.

FIGURES

Received by OCD: 4/26/2021 9:39:21 AM



N

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/17/2021	SAH	SAH	SRV

TITLE
SITE LOCATION

Stantec

PROJECT
KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

Released to Imaging: 1/4/2022 9:30:10 AM

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\KNIGHT #1\2019 MAPS\Knight#1_SVE_2020_SPM.mxd

SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD

FORMER EPC PIT - EXCAVATED
APPROXIMATELY 12 FEET DEEP

FORMER DEHYDRATOR

FORMER SEPARATOR

FORMER METER HOUSE

FORMER TANK

FORMER TANKS

PROPOSED 500-GALLON CONDENSATE TANK

PROPOSED BERMED AS/SVE TRAILER AREA

IRRIGATED FIELD

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

EXISTING SITE FEATURES

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GATE
- GAS LINE
- DITCH
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

PROPOSED SITE FEATURES

- PROPOSED OVERHEAD ELECTRIC
- PROPOSED DITCH ALIGNMENT 2020

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	3/20/2020	SLG	SLG	SRV

TITLE:

SITE PLAN MAP

PROJECT:

KNIGHT #1
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\KNIGHT #1\2020 MAPS\Remediation System Figures\Knight#1_SVE_2020_Site Layout_WP_V2.mxd

LEGEND

- ACCESS ROAD
- FENCE
- GATE
- GAS LINE
- UNKNOWN LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK
- EARTHEN BERM
- CULVERT
- SWALE
- MULTIPLE BURIED CONDUIT
- SINGLE BURIED CONDUIT

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
B	3/10/2021	SAH	SAH	SRV

TITLE:

AS AND SVE LAYOUT

PROJECT:

KNIGHT #1
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\KNIGHT #1\2020 MAPS\Knight#1_GARM_1SA_2020.mxd

LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

DUP = FIELD DUPLICATE SAMPLE
NO SAMPLING WAS COMPLETED FROM THE SVE OR AIR SPARGE WELLS

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW 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
A	2/12/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 14, 2020

PROJECT:

KNIGHT #1
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\KNIGHT #1\2020 MAPS\Knight#1_GECM_1SA_2020.mxd

SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD

MW-9 5488.87
MW-10 5488.62
MW-4 5488.10*
MW-8 548.71
MW-14 5488.54
MW-11 5488.46
MW-1 5488.51
MW-3 5488.51
MW-7 5488.45
MW-12 5488.21
MW-2 5488.22
MW-5 5488.36
MW-6 5488.22
MW-15 5488.14
MW-13 5488.10

5488.8
5488.6
5488.4
5488.2
5510

AS-1 AS-2 AS-3 AS-4 AS-5 AS-6 AS-7 AS-8 AS-9 AS-10 AS-11 AS-12 AS-13 AS-14 AS-15 AS-16

SVE-1 SVE-2 SVE-3 SVE-4 SVE-5 SVE-6 SVE-7 SVE-8

FORMER DEHYDRATOR
FORMER SEPARATOR
FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP
FORMER METER HOUSE
FORMER TANK
FORMER TANKS
IRRIGATED FIELD

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- G A S — GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

5488.51 GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5488.8 CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 0.2 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

* GROUNDWATER ELEVATION APPEARS ANOMALOUS AND WAS NOT USED TO PREPARE CONTOURING GROUNDWATER ELEVATION.

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	3/11/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 14, 2020

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 5

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\KNIGHT #1\2020 MAPS\Knight#1_GARM_2SA_2020.mxd

SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD

MW-10
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-9
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-8
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-11
B: 200
T: <1.0
E: 150
X: 300

MW-4
B: 440
T: <2.0
E: 140
X: 8400

MW-1
B: 170
T: <1.0
E: 210
X: 67

DUP-01
B: 160
T: <1.0
E: 220
X: 75

FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP

FORMER DEHYDRATOR

MW-14
B: <1.0
T: <1.0
E: <1.0
X: <10

FORMER SEPARATOR

MW-3
B: 220
T: <1.0
E: 63
X: <10

MW-7
B: <1.0
T: <1.0
E: <1.0
X: <10

FORMER METER HOUSE

FORMER TANK

MW-5
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-12
NS

MW-6
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-2
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-15
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-13
B: <1.0
T: <1.0
E: <1.0
X: <10

FORMER TANKS

IRRIGATED FIELD

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

DUP = FIELD DUPLICATE SAMPLE
NO SAMPLING WAS COMPLETED FROM THE SVE OR AIR SPARGE WELLS

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW 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
A	2/24/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 11, 2020

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\KNIGHT #1\2020 MAPS\Knight#1_GECM_2SA_2020.mxd

SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD

MW-9 5487.72
MW-10 5487.48
MW-4 5487.44
MW-8 547.56
MW-14 5487.42
MW-11 5487.32
MW-1 5487.37
MW-3 5487.37
MW-7 5487.31
MW-12 5487.07
MW-2 5487.06
MW-5 5487.23
MW-6 5487.07
MW-15 5487.05
MW-13 5486.97

5487.6
5487.4
5487.2
5487.0
5510

FORMER DEHYDRATOR
FORMER SEPARATOR
FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP
FORMER METER HOUSE
FORMER TANK
FORMER TANKS
IRRIGATED FIELD

AS-1 AS-2 AS-3 AS-4 AS-5 AS-6 AS-7 AS-8 AS-9 AS-10 AS-11 AS-12 AS-13 AS-14 AS-15 AS-16

SVE-1 SVE-2 SVE-3 SVE-4 SVE-5 SVE-6 SVE-7 SVE-8

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- G A S — GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- A — AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

5487.37 GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5487.6 CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 0.2 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2/24/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 11, 2020

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 7

APPENDICES

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

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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
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From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: 3RP-207 Knight #1 - Remediation Piping Installation Work Plan
Date: Wednesday, November 04, 2020 9:13:00 PM
Attachments: FINAL_2020-11_Piping_WorkPlan_(Knight)_3RP-207.pdf

---

Hi Cory –

On behalf of El Paso CGP Company (EPCGP), please find attached the above-referenced work plan for your review and files. As noted in the document, field activities are to begin on November 11, 2020.

Please contact Joseph Wiley, project manager for EPCGP, at 713-420-3475, if you have questions.

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

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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

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APPENDIX B

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/11/20 Wednesday
WEATHER*: partly cloudy, cool
PROJECT No.: TBD

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Sean Clary, Stantec, project designer/groundwater sampling
Enrique Tapia, Crossfire, assistant superintendent
Jose Rodriguez Heras, Crossfire, operator
Mario Veleta Cano, Crossfire, laborer
Juan Morales, Crossfire, Laborer
Kevin Schlabach, Crossfire, project manager
James Jefcoat, Crossfire, general superintendent

VISITORS (name, company)

Jason Stocking - enterprise products - utility locator

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590

TASKS PERFORMED

Health and safety/on-site kickoff meeting
utility locates and soft dig to daylight Enterprise pipeline
move fence to temporary location to keep curious cows out of work area
mark out trenches for AS SVE piping
dig culvert trench set culvert in trench

Lengths of Trenching/Berming (linear feet)

TYPE	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Bid Sheet
Trenching	0	foot	0	0
1-Foot Berm	0	foot	0	0

LOADS of MATERIAL TRANSPORTED

TYPE	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Debris and Rocks	1	Yards	1	cleared brush - staged on-site on dump trailer
Exported impacted Soil	0	Yards		
Imported 3/4" Road Stone	0	Yards		
Imported Fill Soil	0	Yards		

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Fencing was adjusted temporarily from final fencing specs to keep curious cows out of work area
Crossfire's locating equipment indicates old production piping is 6 feet down. Will hand dig where trenching will cross to 3 feet.
Enterprise will return to oversee trenching by AS-16 (within 12 feet of line).
Fill dirt will be needed for the earthen berm and over the culvert area (change order item).

NEXT DAY'S PLANNED ACTIVITIES

import fill for earthen berm
build berm and swale
dig trenches near pipeline (within 12 ft with Enterprise locator onsite)
dig AS-SVE trenches

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/12/20 Thursday
WEATHER: partly cloudy, cool
PROJECT No.: TBD

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer

VISITORS (name, company)

Jason Stocking, Enterprise Products - utility locator
Earl North, Crossfire, repairs for Komatsu (on-site 20 minutes to repair pin)
Doug Zach, Crossfire, truck driver

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590

TASKS PERFORMED

Daily Health and Safety Meeting
Repair Komatsu excavator before starting work
Dig trenches near within 12ft of Enterprise Products pipeline to clear locates
Import soils material for berm and trailer pad
Begin digging trenches and exposing AS and SVE wells on eastern leg for HDPE pipe conections
Backfill around culvert
Screen soils in trenches and air monitor in work areas (no evidence of impacts noted).

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	70	foot	70	12%
AS Piping	2000 (LS)	0	foot	0	0%
SVE Piping	1000 (LS)	0	foot	0	0%
1-Foot Berm	140 (LS)	115	foot	115	82%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	cleared brush - staged on-site on dump trailer
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	10	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	50	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Flagging added to temporary fencing to improve visibility (safety observation).
Enterprise piping not encountered during crossing.
Additional fill dirt for berm/pad should not be needed.
Several pieces of loose, abandoned steel piping found on ground near trailer pad area (see photo). To be moved to the side of the work area for now.

NEXT DAY'S PLANNED ACTIVITIES

Continue to dig AS-SVE trenches
Complete swale and adjust berm if needed
Build trailer pad
Secure site for the weekend

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/13/20 Friday
WEATHER: partly cloudy, cool
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer
Enrique Tapia, Crossfire, Assistant superintendent
Kevin Schlabach, Crossfire, project manager

VISITORS (name, company)

None

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590

TASKS PERFORMED

Daily Health and Safety Meetings
Hand dig around abandoned production pipe, top of pipe is 35 inches bgs
Extend berm 25 ft eastward on northeastern edge of work area
Continue digging AS/SVE trenching
Screen soil in trenches and air monitor
Check gates, fence, and work areas prior to leaving for weekend

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	250	foot	320	53%
AS Piping	2000 (LS)	0	foot	0	0%
SVE Piping	1000 (LS)	0	foot	0	0%
1-Foot Berm	140 (LS)	25	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Bollards and well completions for SVE-1, AS-1, and AS-2 will be saved and taken to storage shed.
Concrete for old SVE, AS-1, and AS-2 well pads to be staged by the loose steel pipes for time being.
Gates ordered: blue (large) and red (small).

NEXT DAY'S PLANNED ACTIVITIES

Off for weekend, will restart Monday 11/16/2020
Continue to dig AS-SVE trenches
Complete swale
Build trailer pad
AS/SVE piping supplies will be picked up and brought to site

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/16/20 Monday
WEATHER: sunny, 35 to 60 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer
Enrique Tapia, Crossfire, Assistant superintendent

VISITORS (name, company)

None

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590

TASKS PERFORMED

Daily Health and Safety Meetings
Remove bollards and well completions from AS-1, AS-2, SVE-1
Earthwork around trailer pad and culvert area
Continue digging AS/SVE trenching
Screen soil in trenches and air monitor
Import HPDE piping and supplies
Import fencing gates
Remove bollards and well completions from site

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	220	foot	540	90%
AS Piping	2000 (LS)	0	foot	0	0%
SVE Piping	1000 (LS)	0	foot	0	0%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Gates are green (only color available)

NEXT DAY'S PLANNED ACTIVITIES

Complete earthwork around culvert
Begin laying conduit piping in trenches AS/SVE wells, checking slopes and pressure testing HDPE pipe

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/17/20 Tuesday
WEATHER: sunny, 35 to 68 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer
Enrique Tapia, Crossfire, Assistant superintendent
Kevin Schlabach, Crossfire, Project Manager

VISITORS (name, company)

Jason Stocking, Enterprise Products
Sean Clary, Stantec

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590

TASKS PERFORMED

Daily Health and Safety Meetings
Complete trenching
Install AS-1 thru AS-16 conveyence piping
Heat fusion pipe ends on AS well piping and start connecting ends to SVE piping
Air monitor work zones
Shut in test for AS-15, AS-7, AS-11, AS-12
Begin installing tracer wire on AS piping

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	60	foot	600	100%
AS Piping	2000 (LS)	1725	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	0	0%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Galvanized T's were brought to the site for AS wells for use with well connections
Crossfire is still to provide the T's and heat fusion ends for the SVE piping
Enterprise Products requires 18 inches clearance for pipe crossing, Jason Stocking will clear this tomorrow
Crossfire to provide estimate for concrete and piping removal and disposal

NEXT DAY'S PLANNED ACTIVITIES

Complete AS piping shut in testing
Backfill around Enterprise Products line crossing to clear locate ticket for Jason Stocking
Install SVE piping and heat fusion of SVE pipe ends
Crossfire to deliver SVE pipe ends, manifold end and remaining tracer wire
Complete tracer wire installation

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/18/20 Wednesday
WEATHER: partly cloudy, 40 to 70 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer
Kevin Schlabach, Crossfire, Project Manager

VISITORS (name, company)

none

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Shut in test for AS-5,8,6,4,2,16,9,10,13,14,1 and 3
Piping all (SVE 1 thru SVE 8) SVE well piping and heat fusion well side ends
Air monitor work zones
Install some tracer wire on AS piping and SVE piping
Build AS well Tee's
Procure parts for SVE Tee's

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	756	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Stantec order galvanized Tee's for the SVE wells - Granger update is order is to arrive Friday. Crossfire has obtained the other fittings needed.
The correct galvanized Tee's were brought to the site for AS wells and galvanized bushing for connecting pipine
Galvanized 4 inch Tees will be delivered to site sometime tomorrow with bushings and connectors being brought to site tomorrow
Enterprise Products requires 18 inches clearance for pipe crossing, Jason Stocking will clear this tomorrow
Change order for additional materials and additional day's labor anticipated.

NEXT DAY'S PLANNED ACTIVITIES

Sean Clary will be onsite - get Sean upto speed before Marc Hes leaves
Backfill around Enterprise Products line crossing to clear locate ticket for Jason Stocking
Import C - channel and connect piping to C - channel
Complete pad, AS well caps, and cut and install AS & SVE line fittings
Heat fuse manifold ends onto SVE pipe and shut in test SVE pipe

PREPARED BY: Marc Hes

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/19/20 Thursday
WEATHER: Clear, 40 to 70 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary Stantec, project oversight
Marc Hes, Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer
Kevin Schlabach, Crossfire, Project Manager

VISITORS (name, company)

Jason Stocking, Enterprise Products

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Trailer Pad Construction
Heat fused SVE fittings to ends
Tee-in to 16 AS wells
Shut-in testing of SVE-1, SVE-2
Connection of AS and SVE lines to C Bracket

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	1	Yards	1	loose pipe, concrete, rebar, T-posts staged on-site
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

removed well completion concrete, loose pipe, plus rebar and old t-posts uncovered during trenching are staged on-site for off-site removal and disposal.
Enterprise pipe cleared, no more on-site requirement from Enterprise.
Used laser level to confirm gravel pad is level

NEXT DAY'S PLANNED ACTIVITIES

Complete SVE pressure testing
Work on fence construction
Trim AS lines (extending from C channel) to uniform length and cover again
Complete SVE Tee-ins and begin backfilling (confirmed Tee's are being shipped).
Begin final fencing work

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/20/20 Friday
WEATHER: Clear, 40 to 70 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Enrique Tapia, Crossfire, Assistant superintendent
Mario Veleta Cano, Crossfire, laborer

VISITORS (name, company)

none.

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Completed SVE pressure testing
Fence construction
Complete small swale along west side of enclosure towards culvert
Trimmed AS stub-ups to uniform length and sealed
Staged materials for removal from site (Excess piping, unearted T posts, concrete...)
Constructed and installed 8 Galvanized SVE Tees
Backfilled approximately 20% of the trenching length

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	0	Yards	1	loose pipe, concrete, rebar, T-posts staged on-site
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Plastic flare ends to arrive Monday for culvert
Taped wire to completed stick-ups to facilitate terminating in valve boxes
Care taken not to drive mini-ex over any trenches. No bucket compaction
Backfilled trench lengths away from well completions
Backfilled only along trench lengths away from well completions

NEXT DAY'S PLANNED ACTIVITIES

Finish backfilling and install valve boxes
Re-install Dwight's small access gate outside of work area.
Install flared culver ends
Flag wire fencing for increased visibility
Remove materal from site
Photograph final site condition and stake desired utility pole location
Potentially demobilize

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/23/20 Monday
WEATHER: P. Sunny, 40 to 70 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer

VISITORS (name, company)

none

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Installed 24 valve boxes
Backfilled ~95%+ of laterals
Installed inlet and outlet culvert flares
Installed fencing wire (extra strands near culvert entrance)
Flagged fence wire
Loaded site debris (except concrete) into trailer

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	1	Yards	1	iron to Recla Metals; rest goes to Bondad LF
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Gravel pad re-leveled following piping burial.
Tracer wire terminates in each valve box, well IDs written on each AS & SVE well casing and lid.
Culvert flared fittings are galvanized sheet steel

NEXT DAY'S PLANNED ACTIVITIES

Backfill pipe gallery area
Reinstall 1-man access gate (west of main gate)
Load concrete rubble in to site debris trailer and remove from site
Photograph final site condition and stake approximate utility service pole location
Remove portable toilet and final irrigation pipe inspection
Demobilize

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/23/20 Monday
WEATHER: P. Sunny, 40 to 70 F
PROJECT No.: 193710296

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer

VISITORS (name, company)

none

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Installed 24 valve boxes
Backfilled ~95%+ of laterals
Installed inlet and outlet culvert flares
Installed fencing wire (extra strands near culvert entrance)
Flagged fence wire
Loaded site debris (except concrete) into trailer

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	1	Yards	1	iron to Recla Metals; rest goes to Bondad LF
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Gravel pad re-leveled following piping burial.
Tracer wire terminates in each valve box, well IDs written on each AS & SVE well casing and lid.
Culvert flared fittings are galvanized sheet steel

NEXT DAY'S PLANNED ACTIVITIES

Backfill pipe gallery area
Reinstall 1-man access gate (west of main gate)
Load concrete rubble in to site debris trailer and remove from site
Photograph final site condition and stake approximate utility service pole location
Remove portable toilet and final irrigation pipe inspection
Demobilize

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

DAILY FIELD REPORT
Observation of Earthwork and AS/SVE Piping Installation

El Paso CGP
1001 Louisiana
Houston, Texas 77002

Knight #1
Groundwater Pit Site
NMOCD#: 3RP-207-0

DATE: 11/24/20 Monday
WEATHER: Mostly clear, light precip, 40's F
PROJECT No.: 193710296
Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary Stantec, project oversight
Jose Rodriguez Heras, Crossfire, operator
Juan Morales, Crossfire, Laborer
Mario Veleta Cano, Crossfire, laborer

VISITORS (name, company)

none

CONSTRUCTION EQUIPMENT (type, model)

komatsu mini excavator KX1213
bobcat skid steer T590 - removed from site today

TASKS PERFORMED

Daily Health and Safety Meetings
Completed backfilling of trenching
Reinstalled 1-man access gate on west side of existing vehicle gate
Site restoration and portable toilet removal
Remove mini excavator and bobcat skid steer from site
Demobilization

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2000 (LS)	0	foot	1725	86%
SVE Piping	1000 (LS)	0	foot	756	76%
1-Foot Berm	140 (LS)	0	foot	140	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	1	brush removed for recycling (firewood or mulch)
Exported Debris/Rocks	0 (CO)	1	Yards	1	iron to Recla Metals; rest goes to Bondad LF
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	10	Four Corner Material Farmington
Imported Fill Soil (Berm/Pad)	Lump Sum	0	Yards	50	Four Corner Material Farmington
Imported Fill Soil (Culvert)	0 (CO)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Backfilling completed and documented
Toilet removed from site

NEXT DAY'S PLANNED ACTIVITIES

SRC finish demob to IA

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

APPENDIX C

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**Air Sparge/Soil Vapor Extraction Pipe Conveyance Piping Installation**
Site Name:	**Knight #1 Pit Site**	**Site Location:**	**La Plata, New Mexico**

Photograph ID: 1

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
East

Survey Date:
11/11/2020

Comments:
Workers install smooth walled culvert to improve site drainage

Photograph ID: 2

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
South

Survey Date:
11/13/2020

Comments:
Crossfire excavating shallow trenches to accommodate AS and SVE conveyance piping

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**Air Sparge/Soil Vapor Extraction Pipe Conveyance Piping Installation**
Site Name:	**Knight #1 Pit Site**	**Site Location:**	**La Plata, New Mexico**

Photograph ID: 3

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
N/A

Survey Date:
11/17/2020

Comments:
Fusion-welded 2" SVE conveyance pipe to galvanied fitting for connection to SVE well

Photograph ID: 4

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
South

Survey Date:
11/20/2020

Comments:
HDPE conveyance lines with tracer wire in shallow trench towards gravel system pad

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**Air Sparge/Soil Vapor Extraction Pipe Conveyance Piping Installation**
Site Name:	**Knight #1 Pit Site**	**Site Location:**	**La Plata, New Mexico**

Photograph ID: 5

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
N/A

Survey Date:
11/20/2020

Comments:
4" galvanized steel T fitting and 4" to 2" reduction for Soil Vapor Extraction (SVE) well (Typical of 8)

Photograph ID: 6

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
Southwest

Survey Date:
11/19/2020

Comments:
Gravel system pad construction

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**Air Sparge/Soil Vapor Extraction Pipe Conveyance Piping Installation**
Site Name:	**Knight #1 Pit Site**	**Site Location:**	**La Plata, New Mexico**

Photograph ID: 7

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
North

Survey Date:
11/23/2020

Comments:
Final conditions of monitoring wells (stickup completions) and AS and SVE wells (at-grade completions) following conveyance pipe burial and leveling

Photograph ID: 8

Photo Location:
Knight #1 Pit Site - NMOCD Case # 3RP-207-0

Direction:
North

Survey Date:
11/24/2020

Comments:
Foreground: Fence enclosure, gravel pad, and HDPE conveyance line stub-ups. Background: Buried piping runs and fenced in well array.

APPENDIX D

Released to Imaging: 1/4/2022 9:30:10 AM
Received by OCD: 4/26/2021 9:39:21 AM

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 326-334-3013
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. Stanley

ORDERED BY: Joe W.

DEL. TKT#.

BILL TO: El Paso

DRIVER: 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 Bell	5 gals	.24				
2		GCU # 124E	5 gals					
3		GCU Com A	5 gals					
4		Fogelson 4-1 / Sandoval GCA	5gal					
5		Lateral L-40 / Kn.gt #1	5gal					

I, Sean R Clary 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 Sean

SAN JUAN PRINTING 08180188

Page 61 of 125

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-27 LD92 miles federal #1A	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 Enr N Ops 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

Received by OCD: 4/26/2021 9:39:21 AM
Released to Imaging: 1/4/2022 9:30:10 AM

APPENDIX E

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-188097-1
Client Project/Site: ElPaso CGP Company-Knight #1.00

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 6:41:51 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Laboratory Job ID: 400-188097-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-188097-1
Project/Site: ElPaso CGP Company-Knight #1.00

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-Knight #1.00

Job ID: 400-188097-1

Job ID: 400-188097-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-188097-1

Receipt
The samples were received on 5/15/2020 8:35 AM; the samples arrived in good condition, properly preserved, and where required, on ice. The temperature of the cooler at receipt time was 2.4°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: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-1 — Lab Sample ID: 400-188097-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	72		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	90		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-188097-2

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-188097-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 400-188097-4

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-188097-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	30		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	46		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	81		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-188097-6

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 400-188097-7

No Detections.

Client Sample ID: TB-01 — Lab Sample ID: 400-188097-8

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-188097-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	26		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	45		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	87		10		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-188097-1	MW-1	Water	05/14/20 13:21	05/15/20 08:35	
400-188097-2	MW-2	Water	05/14/20 13:31	05/15/20 08:35	
400-188097-3	MW-7	Water	05/14/20 14:10	05/15/20 08:35	
400-188097-4	MW-10	Water	05/14/20 14:22	05/15/20 08:35	
400-188097-5	MW-11	Water	05/14/20 14:00	05/15/20 08:35	
400-188097-6	MW-13	Water	05/14/20 14:33	05/15/20 08:35	
400-188097-7	MW-15	Water	05/14/20 14:50	05/15/20 08:35	
400-188097-8	TB-01	Water	05/14/20 07:10	05/15/20 08:35	
400-188097-9	DUP-01	Water	05/14/20 01:10	05/15/20 08:35	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-1
Date Collected: 05/14/20 13:21
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**72**		1.0		ug/L			05/20/20 18:19	1
Toluene	<1.0		1.0		ug/L			05/20/20 18:19	1
Ethylbenzene	<1.0		1.0		ug/L			05/20/20 18:19	1
Xylenes, Total	**90**		10		ug/L			05/20/20 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*05/20/20 18:19*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*05/20/20 18:19*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/20/20 18:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-2

Date Collected: 05/14/20 13:31
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-2

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			05/20/20 18:46	1
Toluene	<1.0		1.0		ug/L			05/20/20 18:46	1
Ethylbenzene	<1.0		1.0		ug/L			05/20/20 18:46	1
Xylenes, Total	<10		10		ug/L			05/20/20 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*05/20/20 18:46*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*05/20/20 18:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/20/20 18:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-7

Date Collected: 05/14/20 14:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.1**		1.0		ug/L			05/26/20 17:37	1
Toluene	<1.0		1.0		ug/L			05/26/20 17:37	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 17:37	1
Xylenes, Total	<10		10		ug/L			05/26/20 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/26/20 17:37*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*05/26/20 17:37*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/26/20 17:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-10

Date Collected: 05/14/20 14:22
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-4

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			05/26/20 20:22	1
Toluene	<1.0		1.0		ug/L			05/26/20 20:22	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 20:22	1
Xylenes, Total	<10		10		ug/L			05/26/20 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/26/20 20:22*	*1*
Dibromofluoromethane	*114*		*81 - 121*		*05/26/20 20:22*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/26/20 20:22*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-11
Date Collected: 05/14/20 14:00
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-5
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**30**		1.0		ug/L			05/26/20 20:54	1
Toluene	<1.0		1.0		ug/L			05/26/20 20:54	1
Ethylbenzene	**46**		1.0		ug/L			05/26/20 20:54	1
Xylenes, Total	**81**		10		ug/L			05/26/20 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*05/26/20 20:54*	*1*
Dibromofluoromethane	*117*		*81 - 121*		*05/26/20 20:54*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/26/20 20:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-13
Date Collected: 05/14/20 14:33
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-6
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			05/26/20 21:27	1
Toluene	<1.0		1.0		ug/L			05/26/20 21:27	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 21:27	1
Xylenes, Total	<10		10		ug/L			05/26/20 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*05/26/20 21:27*	*1*
Dibromofluoromethane	*116*		*81 - 121*		*05/26/20 21:27*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/26/20 21:27*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-15
Date Collected: 05/14/20 14:50
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-7
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			05/26/20 21:59	1
Toluene	<1.0		1.0		ug/L			05/26/20 21:59	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 21:59	1
Xylenes, Total	<10		10		ug/L			05/26/20 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/26/20 21:59*	*1*
Dibromofluoromethane	*115*		*81 - 121*		*05/26/20 21:59*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/26/20 21:59*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: TB-01

Date Collected: 05/14/20 07:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-8

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			05/26/20 19:49	1
Toluene	<1.0		1.0		ug/L			05/26/20 19:49	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 19:49	1
Xylenes, Total	<10		10		ug/L			05/26/20 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/26/20 19:49*	*1*
Dibromofluoromethane	*116*		*81 - 121*		*05/26/20 19:49*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/26/20 19:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: DUP-01

Date Collected: 05/14/20 01:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26**		1.0		ug/L			05/28/20 12:44	1
Toluene	<1.0		1.0		ug/L			05/28/20 12:44	1
Ethylbenzene	**45**		1.0		ug/L			05/28/20 12:44	1
Xylenes, Total	**87**		10		ug/L			05/28/20 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/28/20 12:44*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*05/28/20 12:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/28/20 12:44*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

GC/MS VOA

Analysis Batch: 489739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-188097-1	MW-1	Total/NA	Water	8260C	
400-188097-2	MW-2	Total/NA	Water	8260C	
MB 400-489739/4	Method Blank	Total/NA	Water	8260C	
LCS 400-489739/1002	Lab Control Sample	Total/NA	Water	8260C	
400-188060-A-11 MS	Matrix Spike	Total/NA	Water	8260C	
400-188060-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 490424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-188097-3	MW-7	Total/NA	Water	8260C	
400-188097-4	MW-10	Total/NA	Water	8260C	
400-188097-5	MW-11	Total/NA	Water	8260C	
400-188097-6	MW-13	Total/NA	Water	8260C	
400-188097-7	MW-15	Total/NA	Water	8260C	
400-188097-8	TB-01	Total/NA	Water	8260C	
MB 400-490424/26	Method Blank	Total/NA	Water	8260C	
LCS 400-490424/1002	Lab Control Sample	Total/NA	Water	8260C	
400-188097-3 MS	MW-7	Total/NA	Water	8260C	
400-188097-3 MSD	MW-7	Total/NA	Water	8260C	

Analysis Batch: 490611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-188097-9	DUP-01	Total/NA	Water	8260C	
MB 400-490611/4	Method Blank	Total/NA	Water	8260C	
LCS 400-490611/1002	Lab Control Sample	Total/NA	Water	8260C	
400-188374-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
400-188374-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

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

Lab Sample ID: MB 400-489739/4
Matrix: Water
Analysis Batch: 489739

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			05/20/20 10:20	1
Toluene	<1.0		1.0		ug/L			05/20/20 10:20	1
Ethylbenzene	<1.0		1.0		ug/L			05/20/20 10:20	1
Xylenes, Total	<10		10		ug/L			05/20/20 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/20/20 10:20*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/20/20 10:20*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/20/20 10:20*	*1*

Lab Sample ID: LCS 400-489739/1002
Matrix: Water
Analysis Batch: 489739

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	50.6		ug/L		101	70 - 130		
Toluene			50.0	49.7		ug/L		99	70 - 130		
Ethylbenzene			50.0	52.7		ug/L		105	70 - 130		
Xylenes, Total			100	107		ug/L		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-188060-A-11 MS
Matrix: Water
Analysis Batch: 489739

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	5.9		50.0	54.2		ug/L		96	56 - 142		
Toluene	<1.0		50.0	47.5		ug/L		95	65 - 130		
Ethylbenzene	3.8		50.0	51.3		ug/L		95	58 - 131		
Xylenes, Total	<10		100	97.8		ug/L		98	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-188060-A-11 MSD
Matrix: Water
Analysis Batch: 489739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.9		50.0	52.2		ug/L		93	56 - 142	4	30
Toluene	<1.0		50.0	45.1		ug/L		90	65 - 130	5	30
Ethylbenzene	3.8		50.0	47.4		ug/L		87	58 - 131	8	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

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

Lab Sample ID: 400-188060-A-11 MSD
Matrix: Water
Analysis Batch: 489739

Client Sample ID: Matrix Spike Duplicate
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	90.8		ug/L		91	59 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 400-490424/26
Matrix: Water
Analysis Batch: 490424

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			05/26/20 17:04	1
Toluene	<1.0		1.0		ug/L			05/26/20 17:04	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/20 17:04	1
Xylenes, Total	<10		10		ug/L			05/26/20 17:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/26/20 17:04*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*05/26/20 17:04*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/26/20 17:04*	*1*

Lab Sample ID: LCS 400-490424/1002
Matrix: Water
Analysis Batch: 490424

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	52.3		ug/L		105	70 - 130		
Toluene			50.0	52.0		ug/L		104	70 - 130		
Ethylbenzene			50.0	51.8		ug/L		104	70 - 130		
Xylenes, Total			100	104		ug/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*117*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-188097-3 MS
Matrix: Water
Analysis Batch: 490424

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	1.1		50.0	51.6		ug/L		101	56 - 142		
Toluene	<1.0		50.0	48.9		ug/L		98	65 - 130		
Ethylbenzene	<1.0		50.0	46.2		ug/L		92	58 - 131		
Xylenes, Total	<10		100	92.6		ug/L		93	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

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

Lab Sample ID: 400-188097-3 MS
Matrix: Water
Analysis Batch: 490424

Client Sample ID: MW-7
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	100		78 - 118
Dibromofluoromethane	117		81 - 121
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: 400-188097-3 MSD
Matrix: Water
Analysis Batch: 490424

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1.1		50.0	52.0		ug/L		102	56 - 142	1	30
Toluene	<1.0		50.0	49.3		ug/L		99	65 - 130	1	30
Ethylbenzene	<1.0		50.0	46.6		ug/L		93	58 - 131	1	30
Xylenes, Total	<10		100	91.9		ug/L		92	59 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	100		78 - 118
Dibromofluoromethane	116		81 - 121
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 400-490611/4
Matrix: Water
Analysis Batch: 490611

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			05/28/20 09:02	1
Toluene	<1.0		1.0		ug/L			05/28/20 09:02	1
Ethylbenzene	<1.0		1.0		ug/L			05/28/20 09:02	1
Xylenes, Total	<10		10		ug/L			05/28/20 09:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		78 - 118		05/28/20 09:02	1
Dibromofluoromethane	103		81 - 121		05/28/20 09:02	1
Toluene-d8 (Surr)	94		80 - 120		05/28/20 09:02	1

Lab Sample ID: LCS 400-490611/1002
Matrix: Water
Analysis Batch: 490611

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	55.2		ug/L		110	70 - 130		
Toluene			50.0	49.6		ug/L		99	70 - 130		
Ethylbenzene			50.0	50.3		ug/L		101	70 - 130		
Xylenes, Total			100	100		ug/L		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		78 - 118
Dibromofluoromethane	105		81 - 121

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

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

Lab Sample ID: LCS 400-490611/1002
Matrix: Water
Analysis Batch: 490611

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 400-188374-A-1 MS
Matrix: Water
Analysis Batch: 490611

Client Sample ID: Matrix Spike
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	51.3		ug/L		103	56 - 142
Toluene	<1.0		50.0	46.0		ug/L		92	65 - 130
Ethylbenzene	<1.0		50.0	46.6		ug/L		93	58 - 131
Xylenes, Total	<10		100	91.8		ug/L		92	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	95		78 - 118
Dibromofluoromethane	105		81 - 121
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 400-188374-A-1 MSD
Matrix: Water
Analysis Batch: 490611

Client Sample ID: Matrix Spike Duplicate
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	51.0		ug/L		102	56 - 142	1	30
Toluene	<1.0		50.0	44.6		ug/L		89	65 - 130	3	30
Ethylbenzene	<1.0		50.0	44.6		ug/L		89	58 - 131	4	30
Xylenes, Total	<10		100	87.4		ug/L		87	59 - 130	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	93		78 - 118
Dibromofluoromethane	104		81 - 121
Toluene-d8 (Surr)	93		80 - 120

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-1
Date Collected: 05/14/20 13:21
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-1
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	8260C		1	5 mL	5 mL	489739	05/20/20 18:19	RS	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-2
Date Collected: 05/14/20 13:31
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-2
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	8260C		1	5 mL	5 mL	489739	05/20/20 18:46	RS	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-7
Date Collected: 05/14/20 14:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-3
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	8260C		1	5 mL	5 mL	490424	05/26/20 17:37	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-10
Date Collected: 05/14/20 14:22
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-4
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	8260C		1	5 mL	5 mL	490424	05/26/20 20:22	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-11
Date Collected: 05/14/20 14:00
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-5
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	8260C		1	5 mL	5 mL	490424	05/26/20 20:54	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-13
Date Collected: 05/14/20 14:33
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-6
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	8260C		1	5 mL	5 mL	490424	05/26/20 21:27	RS	TAL PEN
	Instrument ID: Einstein									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

Client Sample ID: MW-15
Date Collected: 05/14/20 14:50
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-7
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	8260C		1	5 mL	5 mL	490424	05/26/20 21:59	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: TB-01
Date Collected: 05/14/20 07:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-8
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	8260C		1	5 mL	5 mL	490424	05/26/20 19:49	RS	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: DUP-01
Date Collected: 05/14/20 01:10
Date Received: 05/15/20 08:35

Lab Sample ID: 400-188097-9
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	8260C		1	5 mL	5 mL	490611	05/28/20 12:44	WPD	TAL PEN
	Instrument ID: CH_CONAN									

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: 400-188097-1
Project/Site: ElPaso CGP Company-Knight #1.00

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
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-188097-1

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

Released to Imaging: 1/4/2022 9:30:10 AM
Received by OCD: 4/26/2021 9:39:21 AM

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-94235-34175.1
Client Contact: Steve Varsa	Phone: 515 2530830	E-Mail: marty.edwards@testamericainc.com		Page: Page 1 of 1
Company: Stantec Consulting Services Inc				Job #:
Address: 11153 Aurora Avenue	Due Date 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: Knight #1.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

400-188097 COC

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:

GW-ERG-STN-04-10-20
-SAH-10 Knight #1

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	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	5/14/2020	1321	G	Water	N	N	0	3		
MW-2	5/14/2020	1331	G	Water	N	N	0	3		
MW-7	5/14/2020	1410	G	Water	N	N	3	0		
MW-10	5/14/2020	1422	G	Water	N	N	3	0		
MW-11	5/14/2020	1400	G	Water	N	N	3	0		
MW-13	5/14/2020	1433	G	Water	N	N	3	0		
MW-15	5/14/2020	1450	G	Water	N	N	3	0		
TB-01	5/14/2020	0710	G	Water	N	N	2	0		Trip Blank
DUP-01	5/14/2020	0110	G	Water	N	N	3	0		Blind Dup
				Water						
				Water						

SRC SRC

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 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
Sam R Clay	5/14/2020 1700		Megan Linville	5-15-2020 835	MAPE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4°C IR T

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-188097-1

Login Number: 188097 **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	2.4°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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-195818-1
Client Project/Site: ElPaso CGP Company-Knight #1.00

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 12:25:41 PM

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

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Laboratory Job ID: 400-195818-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

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: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Job ID: 400-195818-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-195818-1

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
Method 8260C: Surrogate recovery for the following sample was outside control limits: MW-1 (400-195818-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-14 (400-195818-15).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-4 (400-195818-6). 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: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: TB-01 — Lab Sample ID: 400-195818-1

No Detections.

Client Sample ID: DUP-1 — Lab Sample ID: 400-195818-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	160		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	220		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	75		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 400-195818-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	170		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	210		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	67		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-195818-4

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-195818-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	220		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	63		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 400-195818-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	440		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	140		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total - DL	8400		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-195818-7

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-195818-8

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-195818-9

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-195818-10

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 400-195818-11

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-195818-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-11
Lab Sample ID: 400-195818-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	200		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	150		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	300		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13
Lab Sample ID: 400-195818-14

No Detections.

Client Sample ID: MW-14
Lab Sample ID: 400-195818-15

No Detections.

Client Sample ID: MW-15
Lab Sample ID: 400-195818-16

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-195818-1	TB-01	Water	11/11/20 08:00	11/13/20 09:44	
400-195818-2	DUP-1	Water	11/11/20 10:00	11/13/20 09:44	
400-195818-3	MW-1	Water	11/11/20 09:30	11/13/20 09:44	
400-195818-4	MW-2	Water	11/11/20 09:49	11/13/20 09:44	
400-195818-5	MW-3	Water	11/11/20 10:03	11/13/20 09:44	
400-195818-6	MW-4	Water	11/11/20 10:13	11/13/20 09:44	
400-195818-7	MW-5	Water	11/11/20 10:25	11/13/20 09:44	
400-195818-8	MW-6	Water	11/11/20 10:39	11/13/20 09:44	
400-195818-9	MW-7	Water	11/11/20 10:57	11/13/20 09:44	
400-195818-10	MW-8	Water	11/11/20 11:11	11/13/20 09:44	
400-195818-11	MW-9	Water	11/11/20 11:20	11/13/20 09:44	
400-195818-12	MW-10	Water	11/11/20 11:33	11/13/20 09:44	
400-195818-13	MW-11	Water	11/11/20 11:43	11/13/20 09:44	
400-195818-14	MW-13	Water	11/11/20 11:55	11/13/20 09:44	
400-195818-15	MW-14	Water	11/11/20 12:06	11/13/20 09:44	
400-195818-16	MW-15	Water	11/11/20 12:16	11/13/20 09:44	

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: TB-01
Lab Sample ID: 400-195818-1
Date Collected: 11/11/20 08:00
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 10:38	1
Toluene	<1.0		1.0		ug/L			11/24/20 10:38	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 10:38	1
Xylenes, Total	<10		10		ug/L			11/24/20 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*11/24/20 10:38*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*11/24/20 10:38*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*11/24/20 10:38*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: DUP-1
Lab Sample ID: 400-195818-2
Date Collected: 11/11/20 10:00
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	**160**		1.0		ug/L			11/18/20 14:03	1
Toluene	<1.0		1.0		ug/L			11/18/20 14:03	1
Ethylbenzene	**220**		1.0		ug/L			11/18/20 14:03	1
Xylenes, Total	**75**		10		ug/L			11/18/20 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*78 - 118*		*11/18/20 14:03*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*11/18/20 14:03*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*11/18/20 14:03*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: MW-1

Date Collected: 11/11/20 09:30
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**170**		1.0		ug/L			11/18/20 14:29	1
Toluene	<1.0		1.0		ug/L			11/18/20 14:29	1
Ethylbenzene	**210**		1.0		ug/L			11/18/20 14:29	1
Xylenes, Total	**67**		10		ug/L			11/18/20 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*	*X*	*78 - 118*		*11/18/20 14:29*	*1*
Dibromofluoromethane	*112*		*81 - 121*		*11/18/20 14:29*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*11/18/20 14:29*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-2
Lab Sample ID: 400-195818-4

Date Collected: 11/11/20 09:49
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			11/18/20 14:54	1
Toluene	<1.0		1.0		ug/L			11/18/20 14:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/20 14:54	1
Xylenes, Total	<10		10		ug/L			11/18/20 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*11/18/20 14:54*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*11/18/20 14:54*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/18/20 14:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-3
Lab Sample ID: 400-195818-5
Date Collected: 11/11/20 10:03
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	**220**		1.0		ug/L			11/18/20 15:19	1
Toluene	<1.0		1.0		ug/L			11/18/20 15:19	1
Ethylbenzene	**63**		1.0		ug/L			11/18/20 15:19	1
Xylenes, Total	<10		10		ug/L			11/18/20 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*78*		*78 - 118*		*11/18/20 15:19*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*11/18/20 15:19*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*11/18/20 15:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-4
Lab Sample ID: 400-195818-6
Date Collected: 11/11/20 10:13
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	**440**		2.0		ug/L			11/24/20 13:13	2
Toluene	<2.0		2.0		ug/L			11/24/20 13:13	2
Ethylbenzene	**140**		2.0		ug/L			11/24/20 13:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/24/20 13:13*	*2*
Dibromofluoromethane	*96*		*81 - 121*		*11/24/20 13:13*	*2*
Toluene-d8 (Surr)	*108*		*80 - 120*		*11/24/20 13:13*	*2*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**8400**		500		ug/L			11/25/20 13:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*11/25/20 13:51*	*50*
Dibromofluoromethane	*104*		*81 - 121*		*11/25/20 13:51*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/25/20 13:51*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-5
Lab Sample ID: 400-195818-7
Date Collected: 11/11/20 10:25
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 11:06	1
Toluene	<1.0		1.0		ug/L			11/24/20 11:06	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 11:06	1
Xylenes, Total	<10		10		ug/L			11/24/20 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*11/24/20 11:06*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*11/24/20 11:06*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/24/20 11:06*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: MW-6

Date Collected: 11/11/20 10:39
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-8

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 12:49	1
Toluene	<1.0		1.0		ug/L			11/24/20 12:49	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 12:49	1
Xylenes, Total	<10		10		ug/L			11/24/20 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*11/24/20 12:49*	*1*
Dibromofluoromethane	*91*		*81 - 121*		*11/24/20 12:49*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/24/20 12:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-7
Lab Sample ID: 400-195818-9
Date Collected: 11/11/20 10:57
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 19:33	1
Toluene	<1.0		1.0		ug/L			11/24/20 19:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 19:33	1
Xylenes, Total	<10		10		ug/L			11/24/20 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*11/24/20 19:33*	*1*
Dibromofluoromethane	*91*		*81 - 121*		*11/24/20 19:33*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/24/20 19:33*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-8
Lab Sample ID: 400-195818-10

Date Collected: 11/11/20 11:11
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 20:00	1
Toluene	<1.0		1.0		ug/L			11/24/20 20:00	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 20:00	1
Xylenes, Total	<10		10		ug/L			11/24/20 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*11/24/20 20:00*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*11/24/20 20:00*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/24/20 20:00*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-9
Lab Sample ID: 400-195818-11
Date Collected: 11/11/20 11:20
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			11/25/20 08:53	1
Toluene	<1.0		1.0		ug/L			11/25/20 08:53	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 08:53	1
Xylenes, Total	<10		10		ug/L			11/25/20 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*11/25/20 08:53*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*11/25/20 08:53*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/25/20 08:53*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: MW-10

Date Collected: 11/11/20 11:33
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-12

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			11/25/20 09:17	1
Toluene	<1.0		1.0		ug/L			11/25/20 09:17	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 09:17	1
Xylenes, Total	<10		10		ug/L			11/25/20 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*11/25/20 09:17*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*11/25/20 09:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/25/20 09:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-11
Lab Sample ID: 400-195818-13
Date Collected: 11/11/20 11:43
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	**200**		1.0		ug/L			11/25/20 09:41	1
Toluene	<1.0		1.0		ug/L			11/25/20 09:41	1
Ethylbenzene	**150**		1.0		ug/L			11/25/20 09:41	1
Xylenes, Total	**300**		10		ug/L			11/25/20 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*11/25/20 09:41*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*11/25/20 09:41*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/25/20 09:41*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: MW-13
Date Collected: 11/11/20 11:55
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-14
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			11/25/20 10:05	1
Toluene	<1.0		1.0		ug/L			11/25/20 10:05	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 10:05	1
Xylenes, Total	<10		10		ug/L			11/25/20 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*11/25/20 10:05*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*11/25/20 10:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/25/20 10:05*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-14
Lab Sample ID: 400-195818-15
Date Collected: 11/11/20 12:06
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			11/18/20 15:43	1
Toluene	<1.0		1.0		ug/L			11/18/20 15:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/20 15:43	1
Xylenes, Total	<10		10		ug/L			11/18/20 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*11/18/20 15:43*	*1*
Dibromofluoromethane	*113*		*81 - 121*		*11/18/20 15:43*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/18/20 15:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-15
Lab Sample ID: 400-195818-16
Date Collected: 11/11/20 12:16
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			11/25/20 10:31	1
Toluene	<1.0		1.0		ug/L			11/25/20 10:31	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 10:31	1
Xylenes, Total	<10		10		ug/L			11/25/20 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*11/25/20 10:31*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*11/25/20 10:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/25/20 10:31*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

GC/MS VOA

Analysis Batch: 511116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195818-2	DUP-1	Total/NA	Water	8260C	
400-195818-3	MW-1	Total/NA	Water	8260C	
400-195818-4	MW-2	Total/NA	Water	8260C	
400-195818-5	MW-3	Total/NA	Water	8260C	
400-195818-15	MW-14	Total/NA	Water	8260C	
MB 400-511116/4	Method Blank	Total/NA	Water	8260C	
LCS 400-511116/1002	Lab Control Sample	Total/NA	Water	8260C	
400-195444-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
400-195444-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 511884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195818-1	TB-01	Total/NA	Water	8260C	
400-195818-6	MW-4	Total/NA	Water	8260C	
400-195818-7	MW-5	Total/NA	Water	8260C	
400-195818-8	MW-6	Total/NA	Water	8260C	
400-195818-9	MW-7	Total/NA	Water	8260C	
400-195818-10	MW-8	Total/NA	Water	8260C	
MB 400-511884/5	Method Blank	Total/NA	Water	8260C	
LCS 400-511884/1003	Lab Control Sample	Total/NA	Water	8260C	
400-195818-7 MS	MW-5	Total/NA	Water	8260C	
400-195818-7 MSD	MW-5	Total/NA	Water	8260C	

Analysis Batch: 512038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195818-6 - DL	MW-4	Total/NA	Water	8260C	
400-195818-11	MW-9	Total/NA	Water	8260C	
400-195818-12	MW-10	Total/NA	Water	8260C	
400-195818-13	MW-11	Total/NA	Water	8260C	
400-195818-14	MW-13	Total/NA	Water	8260C	
400-195818-16	MW-15	Total/NA	Water	8260C	
MB 400-512038/4	Method Blank	Total/NA	Water	8260C	
LCS 400-512038/1002	Lab Control Sample	Total/NA	Water	8260C	
400-195818-12 MS	MW-10	Total/NA	Water	8260C	
400-195818-12 MSD	MW-10	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

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

Lab Sample ID: MB 400-511116/4
Matrix: Water
Analysis Batch: 511116

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			11/18/20 08:14	1
Toluene	<1.0		1.0		ug/L			11/18/20 08:14	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/20 08:14	1
Xylenes, Total	<10		10		ug/L			11/18/20 08:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*11/18/20 08:14*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*11/18/20 08:14*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*11/18/20 08:14*	*1*

Lab Sample ID: LCS 400-511116/1002
Matrix: Water
Analysis Batch: 511116

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	49.2		ug/L		98	70 - 130		
Toluene			50.0	44.9		ug/L		90	70 - 130		
Ethylbenzene			50.0	45.5		ug/L		91	70 - 130		
Xylenes, Total			100	89.9		ug/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: 400-195444-A-1 MS
Matrix: Water
Analysis Batch: 511116

Client Sample ID: Matrix Spike
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	58.5		ug/L		117	56 - 142		
Toluene	<1.0		50.0	49.0		ug/L		97	65 - 130		
Ethylbenzene	<1.0		50.0	47.4		ug/L		95	58 - 131		
Xylenes, Total	<10		100	92.4		ug/L		92	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: 400-195444-A-1 MSD
Matrix: Water
Analysis Batch: 511116

Client Sample ID: Matrix Spike Duplicate
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	56.1		ug/L		112	56 - 142	4	30
Toluene	<1.0		50.0	47.1		ug/L		93	65 - 130	4	30
Ethylbenzene	<1.0		50.0	46.9		ug/L		94	58 - 131	1	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

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

Lab Sample ID: 400-195444-A-1 MSD
Matrix: Water
Analysis Batch: 511116

Client Sample ID: Matrix Spike Duplicate
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	91.3		ug/L		91	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*78 - 118*
Dibromofluoromethane	*111*		*81 - 121*
Toluene-d8 (Surr)	*89*		*80 - 120*

Lab Sample ID: MB 400-511884/5
Matrix: Water
Analysis Batch: 511884

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 10:15	1
Toluene	<1.0		1.0		ug/L			11/24/20 10:15	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 10:15	1
Xylenes, Total	<10		10		ug/L			11/24/20 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*11/24/20 10:15*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*11/24/20 10:15*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/24/20 10:15*	*1*

Lab Sample ID: LCS 400-511884/1003
Matrix: Water
Analysis Batch: 511884

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	49.4		ug/L		99	70 - 130		
Toluene			50.0	53.9		ug/L		108	70 - 130		
Ethylbenzene			50.0	54.6		ug/L		109	70 - 130		
Xylenes, Total			100	104		ug/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*78 - 118*
Dibromofluoromethane	*92*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 400-195818-7 MS
Matrix: Water
Analysis Batch: 511884

Client Sample ID: MW-5
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	50.0		ug/L		100	56 - 142		
Toluene	<1.0		50.0	54.6		ug/L		109	65 - 130		
Ethylbenzene	<1.0		50.0	54.3		ug/L		109	58 - 131		
Xylenes, Total	<10		100	104		ug/L		104	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

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

Lab Sample ID: 400-195818-7 MS
Matrix: Water
Analysis Batch: 511884

Client Sample ID: MW-5
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	90		78 - 118
Dibromofluoromethane	91		81 - 121
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: 400-195818-7 MSD
Matrix: Water
Analysis Batch: 511884

Client Sample ID: MW-5
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	52.6		ug/L		105	56 - 142	5	30
Toluene	<1.0		50.0	58.1		ug/L		116	65 - 130	6	30
Ethylbenzene	<1.0		50.0	58.8		ug/L		118	58 - 131	8	30
Xylenes, Total	<10		100	112		ug/L		112	59 - 130	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	89		78 - 118
Dibromofluoromethane	91		81 - 121
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: MB 400-512038/4
Matrix: Water
Analysis Batch: 512038

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			11/25/20 08:04	1
Toluene	<1.0		1.0		ug/L			11/25/20 08:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 08:04	1
Xylenes, Total	<10		10		ug/L			11/25/20 08:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		78 - 118		11/25/20 08:04	1
Dibromofluoromethane	111		81 - 121		11/25/20 08:04	1
Toluene-d8 (Surr)	97		80 - 120		11/25/20 08:04	1

Lab Sample ID: LCS 400-512038/1002
Matrix: Water
Analysis Batch: 512038

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	51.0		ug/L		102	70 - 130		
Toluene			50.0	47.8		ug/L		96	70 - 130		
Ethylbenzene			50.0	49.4		ug/L		99	70 - 130		
Xylenes, Total			100	97.2		ug/L		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	91		78 - 118
Dibromofluoromethane	106		81 - 121

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

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

Lab Sample ID: LCS 400-512038/1002
Matrix: Water
Analysis Batch: 512038

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: 400-195818-12 MS
Matrix: Water
Analysis Batch: 512038

Client Sample ID: MW-10
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	46.5		ug/L		93	56 - 142
Toluene	<1.0		50.0	43.3		ug/L		87	65 - 130
Ethylbenzene	<1.0		50.0	43.2		ug/L		86	58 - 131
Xylenes, Total	<10		100	85.5		ug/L		86	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	90		78 - 118
Dibromofluoromethane	104		81 - 121
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 400-195818-12 MSD
Matrix: Water
Analysis Batch: 512038

Client Sample ID: MW-10
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	51.3		ug/L		103	56 - 142	10	30
Toluene	<1.0		50.0	48.2		ug/L		96	65 - 130	11	30
Ethylbenzene	<1.0		50.0	48.1		ug/L		96	58 - 131	11	30
Xylenes, Total	<10		100	95.1		ug/L		95	59 - 130	11	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	90		78 - 118
Dibromofluoromethane	107		81 - 121
Toluene-d8 (Surr)	96		80 - 120

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: TB-01 — Lab Sample ID: 400-195818-1

Date Collected: 11/11/20 08:00 — **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	511884	11/24/20 10:38	WPD	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: DUP-1 — Lab Sample ID: 400-195818-2

Date Collected: 11/11/20 10:00 — **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	511116	11/18/20 14:03	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-1 — Lab Sample ID: 400-195818-3

Date Collected: 11/11/20 09:30 — **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	511116	11/18/20 14:29	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-2 — Lab Sample ID: 400-195818-4

Date Collected: 11/11/20 09:49 — **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	511116	11/18/20 14:54	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-3 — Lab Sample ID: 400-195818-5

Date Collected: 11/11/20 10:03 — **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	511116	11/18/20 15:19	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-4 — Lab Sample ID: 400-195818-6

Date Collected: 11/11/20 10:13 — **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	DL	50	5 mL	5 mL	512038	11/25/20 13:51	WPD	TAL PEN
	Instrument ID: CH_TAN									
Total/NA	Analysis	8260C		2	5 mL	5 mL	511884	11/24/20 13:13	WPD	TAL PEN
	Instrument ID: Rosalind									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

Client Sample ID: MW-5
Date Collected: 11/11/20 10:25
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-7
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	8260C		1	5 mL	5 mL	511884	11/24/20 11:06	WPD	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-6
Date Collected: 11/11/20 10:39
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-8
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	8260C		1	5 mL	5 mL	511884	11/24/20 12:49	WPD	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-7
Date Collected: 11/11/20 10:57
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-9
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	8260C		1	5 mL	5 mL	511884	11/24/20 19:33	WPD	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-8
Date Collected: 11/11/20 11:11
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-10
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	8260C		1	5 mL	5 mL	511884	11/24/20 20:00	WPD	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-9
Date Collected: 11/11/20 11:20
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-11
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	8260C		1	5 mL	5 mL	512038	11/25/20 08:53	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-10
Date Collected: 11/11/20 11:33
Date Received: 11/13/20 09:44

Lab Sample ID: 400-195818-12
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	8260C		1	5 mL	5 mL	512038	11/25/20 09:17	WPD	TAL PEN
	Instrument ID: CH_TAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

Client Sample ID: MW-11
Lab Sample ID: 400-195818-13
Date Collected: 11/11/20 11:43
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	512038	11/25/20 09:41	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-13
Lab Sample ID: 400-195818-14
Date Collected: 11/11/20 11:55
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	512038	11/25/20 10:05	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-14
Lab Sample ID: 400-195818-15
Date Collected: 11/11/20 12:06
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	511116	11/18/20 15:43	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-15
Lab Sample ID: 400-195818-16
Date Collected: 11/11/20 12:16
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	512038	11/25/20 10:31	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 Job ID: 400-195818-1
Project/Site: ElPaso CGP Company-Knight #1.00

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: ElPaso CGP Company-Knight #1.00

Job ID: 400-195818-1

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

Released to Imaging: 1/4/2022 9:30:10 AM
Received by OCD: 4/26/2021 9:39:21 AM

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

Chain of Custody Record

TestAmerica Des Moines SC

eurofins Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-97380-35224.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com		Page: Page 1 of 2
Company: Stantec Consulting Services Inc				Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Knight #1.00	Project #: 40005479			
Site: Knight #1	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, Z - other (specify)

Other:

400-195818 COC

W-ERG-STN-11-02-2020-SAH-10 Knight #1

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	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
TB-01	11/11/2020	0800	G	Water			2	0	2	Trip BLANK
DUP-1	11/11/2020	1000	G	Water				3	3	Blind DUP
MW-1	11/11/2020	0930	G	Water				3	3	
MW-2	11/11/2020	0949	G	Water				3	3	
MW-3	11/11/2020	1003	G	Water			3		3	
MW-4	11/11/2020	1013	G	Water			3		3	
MW-5	11/11/2020	1025	G	Water			3		3	
MW-6	11/11/2020	1039	G	Water			3		3	
MW-7	11/11/2020	1057	G	Water			3		3	
MW-8	11/11/2020	1111	G	Water			3		3	
MW-9	11/11/2020	1120	G	Water			3		3	

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: Fed Ex

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Sean R Clary	11/12/2020 0700	STN	Megan Blanchard	11-13-20 0949	

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

Cooler Temperature(s) °C and Other Remarks: 0.0°C IR4

Ver: 01/16/2019

Released to Imaging: 1/4/2022 9:30:10 AM
Received by OCD: 4/26/2021 9:39:21 AM

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

Chain of Custody Record

TestAmerica Des Moines 214

Eurofins Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-97380-35224.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com		Page: Page 1 of 2
Company: Stantec Consulting Services Inc				Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Knight #1 00	Project #: 40005479			
Site: Knight #1	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, Z - other (specify)
Other:

W-ERH-STN-11-02-2020-SAH-10 Knight #1

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	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-10	11/11/2020	1133	G	Water	—		3		3	
MW-11	11/11/2020	1143	G	Water	—		3		3	
MW-13	11/11/2020	1155	G	Water	—		3		3	
MW-14	11/11/2020	1206	G	Water	—		3		3	
MW-15	11/11/2020	1216	G	Water	—		3		3	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

SAH SRC

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: Fed Ex

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Sean R Clary	11/12/2020	STN	Megan Burkhart	11-13-20 9:44	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ 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: 400-195818-1

Login Number: 195818 **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 25483

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 25483
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 Groundwater Monitoring Report: Content satisfactory 1. Follow recommendations stated within 2020 Groundwater Monitoring Report. a. Continue semi-annual groundwater monitoring in 2021 b. Continue quarterly free product removal events c. Submit a work plan detailing AS/SVE remediation system installation and activities following afterward no later than March 31, 2022 d. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022	1/4/2022