

**DCP OPERATING, LP / PHILLIPS 66 - KNAUB 9-13G SITE
PROGRESS UPDATE REPORT
FORM 27 SUPPLEMENTAL REPORT**

ATTACHMENTS

Tables

- 1 VOC Soil Analytical Results: May 2024
- 2 PAH Soil Analytical Results: May 2024
- 3 Soil Suitability and Inorganic Results: May 2024
- 4 Soil Sample GPS Coordinates
- 5 Second Half 2024 Summary of Groundwater Elevation Data
- 6 Second Half 2024 Summary of VOC Concentrations in Groundwater
- 7 Historical Table 915-1 Concentrations in Groundwater

Figures

- 1 Site Location Map
- 2 Site Overview Map with Monitoring Well and May 2024 Soil Sample Locations
- 3 Groundwater Elevation Contour Map – September 19, 2024
- 4 Groundwater Elevation Contour Map – December 9, 2024
- 5 Groundwater Analytical Results Map – September 19 and December 9, 2024

Attachments

- A Hand Auger Soil Boring Logs and Photo Documentation

TABLE 1
SOIL SAMPLE VOC ANALYTICAL RESULTS SUMMARY TABLE (2024)
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	Comments
ECMC Residential Soil Screening Level Standards (mg/kg) ⁽³⁾	-	-	-	1.2	490	5.8	58	30	27	2	500	
ECMC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg)	-	-	-	0.0026 (M)	0.69 (M)	0.78 (M)	9.9 (M)	0.0081 (R)	0.0087 (R)	0.0038 (R)	500	
Knaub 9-13G												
Confirmation - North @ 5.5'	5/28/2024	2405423	1295	<0.20	<0.50	<0.50	<1.0	12	2.9	<0.38	1176	
Confirmation - North @ 7'	5/28/2024	2405423	243.2	<0.0020	<0.0050	<0.0050	<0.010	0.07	0.0098	<0.0038	<500	
Confirmation - East @ 6'	5/28/2024	2405423	328.2	<0.20	<0.50	<0.50	1.8	4.2	3.1	<0.38	<500	
Confirmation - East @ 7'	5/28/2024	2405423	81	<0.0020	<0.0050	0.074	0.75	1.2	0.45	<0.0038	<500	
Confirmation - South @ 6'	5/28/2024	2405423	725.4	<0.020	<0.050	1.9	19	6.9	6.0	0.19	<500	
Confirmation - South @ 7'	5/28/2024	2405423	1103	0.0030	<0.0050	0.78	<0.010	8.3	6.5	0.072	540	
Confirmation - West @ 3.5'	5/28/2024	2405423	101.5	<0.0020	<0.0050	0.42	18	15	12	0.20	670	
Confirmation - West @ 7'	5/28/2024	2405423	20.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	
Confirmation - Base @ 4'	5/28/2024	2405423	1995	0.038	<0.050	3.2	71	29	25	0.77	1620	
Confirmation - Base @ 7'	5/28/2024	2405423	282.3	<0.0020	<0.0050	0.32	0.97	0.41	0.32	0.042	<500	

Notes:

- 1). The environmental cleanup standards for soil that are applicable to this site are the Colorado Energy & Carbon Management Commission (ECMC) standards for contaminants in soil according to Table 915-1 (Post January 15, 2021) of the ECMC 900 Series Rule for E&P Waste Management.
- 2). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.
- 3). TPH - Total volatile (C₆ - C₁₀) and extractable (C₁₀ - C₃₀) petroleum hydrocarbons.

bgs = below ground surface

mg/kg= Milligrams per kilogram.

ppm - Parts per million

Bold values indicate an exceedance of the Site Specific and/or the ECMC Protection of Groundwater Soil Standards for the Site.

Bold red values indicate an exceedance of the Site Specific and/or the ECMC Residential Soil Standards for the Site.

Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.

TABLE 2
SOIL SAMPLE PAHs ANALYTICAL RESULTS SUMMARY TABLE (2024)
DCP OPERATING, LYPHILIPS 66 - KNAUS 9-13G
WELD COUNTY, COLORADO

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenz(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Pyrene (mg/kg)	1-methylanthracene (mg/kg)	2-methylanthracene (mg/kg)	Comments
ECMC Residential Soil Screening Level Standards (mg/kg) ⁽¹⁾	-	-	-	360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24	
ECMC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1,2) (mg/kg)	-	-	-	0.55 (R)	5.8 (R)	0.011 (R)	0.24 (M)	0.3 (R)	2.9 (R)	9 (R)	0.096 (R)	8.9 (R)	0.54 (R)	0.98 (R)	1.3 (R)	0.096 (R)	0.019 (R)	
Knaus 9-13G																		
Confirmation - North @ 5.5'	5/28/2024	2405423	1295	0.0142	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.006	1.69	
Confirmation - North @ 7'	5/28/2024	2405423	243.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00585	<0.00500	<0.00500	0.00915	0.0252	
Confirmation - East @ 6'	5/28/2024	2405423	328.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00913	<0.00500	<0.00500	0.108	0.252	
Confirmation - East @ 7'	5/28/2024	2405423	81	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0100	<0.00500	<0.00500	0.0767	0.129	
Confirmation - South @ 6'	5/28/2024	2405423	725.4	0.00746	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0105	<0.00500	<0.00500	0.167	0.452	
Confirmation - South @ 7'	5/28/2024	2405423	1103	0.00925	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0126	<0.00500	<0.00500	0.270	0.526	
Confirmation - West @ 3.5'	5/28/2024	2405423	101.5	0.0223	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0288	<0.00500	<0.00500	1.87	2.47	
Confirmation - West @ 7'	5/28/2024	2405423	20.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	
Confirmation - Base @ 4'	5/28/2024	2405423	1995	0.0568	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0800	<0.00500	<0.00500	2.29	4.78	
Confirmation - Base @ 7'	5/28/2024	2405423	282.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	

Notes:

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.
2). The letter "R" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "M" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.
mg/kg: Milligrams per kilogram.
bgs: below ground surface
PPM: Parts per million
PID - Photoionization Detector
Bold values indicate an exceedance of the ECMC Protection of Groundwater Soil Standards for the Site.
Bold cell values indicate an exceedance of the ECMC Residential Soil Standards for the Site.
Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.
NA = Not Analyzed

TABLE 3
SOIL SUITABILITY METALS ANALYTICAL RESULTS SUMMARY TABLE (2024)
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	pH (pH units)	Specific Conductance (EC) (mmhos/cm)	Sodium Adsorption Ratio (SAR)	Boron (mg/l)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	Comments
ECMC Residential Soil Screening Level Standards (mg/kg) ⁽²⁾	-	-	-	6-8.3	<4 mmhos/cm	<6	2 (mg/l)	0.68	15000	71	0.3	3100	400	1500	390	390	23000	
ECMC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg)	-	-	-	6-8.3	<4 mmhos/cm	<6	2 (mg/L)	0.29 (M)	82 (M)	0.38 (M)	0.00067 (R)	46 (M)	14 (M)	26 (R)	0.26 (M)	0.8 (R)	370 (R)	
Knaub 9-13G																		
Confirmation - North @ 5.5'	5/28/2024	2405423	1295	9.36	0.900	1.21	<2.00	0.614	24.2	<0.200	<0.30	2.61	2.92	3.09	<0.260	<0.0200	11.3	
Confirmation - North @ 7'	5/28/2024	2405423	243.2	8.33	1.29	3.86	<2.00	0.854	18.4	<0.200	<0.30	2.76	2.46	2.38	<0.260	<0.0200	9.96	
Confirmation - East @ 6'	5/28/2024	2405423	328.2	8.45	1.10	0.618	<2.00	0.927	30.9	<0.200	<0.30	2.92	3.18	3.08	<0.260	<0.0200	12.6	
Confirmation - East @ 7'	5/28/2024	2405423	81	8.41	1.27	1.00	<2.00	1.07	37.2	<0.200	<0.30	3.14	3.28	3.22	<0.260	<0.0200	13.0	
Confirmation - South @ 6'	5/28/2024	2405423	725.4	8.19	1.04	0.456	<2.00	2.52	102	<0.200	<0.30	6.70	6.45	5.99	<0.260	0.0311	25.7	
Confirmation - South @ 7'	5/28/2024	2405423	1103	8.24	0.948	0.451	<2.00	1.39	44.1	<0.200	<0.30	4.44	4.86	3.87	<0.260	0.0200	19.0	
Confirmation - West @ 3.5'	5/28/2024	2405423	101.5	7.72	0.498	0.0582	<2.00	1.39	47.5	<0.200	<0.30	4.92	5.88	4.27	<0.260	0.0274	20.8	
Confirmation - West @ 7'	5/28/2024	2405423	20.1	8.08	1.28	4.28	<2.00	0.895	27.2	<0.200	<0.30	2.42	2.47	2.16	<0.260	<0.0200	10.1	
Confirmation - Base @ 4'	5/28/2024	2405423	1995	7.65	0.562	0.0917	<2.00	1.39	49.4	<0.200	<0.30	4.55	4.91	4.36	<0.260	0.0201	19.6	
Confirmation - Base @ 7'	5/28/2024	2405423	282.3	7.96	1.20	4.10	<2.00	0.866	21.6	<0.200	<0.30	2.49	2.76	2.45	<0.260	<0.0200	10.6	

Notes:

- 1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.
- 2). The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(M)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.
- mg/kg= Milligrams per kilogram.
- PPM - Parts per million
- PID - Photoionization Detector
- Bold** values indicate an exceedance of the ECMC Protection of Groundwater Soil Standards for the Site.
- Bold red** values indicate an exceedance of the ECMC Residential Soil Standards for the Site.
- Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.
- NA = Not Analyzed

Table 4
KNAUB 9-13G
Soil Sample (May 2024) Location Coordinates
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Sample ID	Date	Latitude	Longitude
Confirmation North	5/28/2024	40.32012556	-104.6737655
Confirmation East	5/28/2024	40.3201124	-104.6737235
Confirmation South	5/28/2024	40.32008215	-104.6737673
Confirmation West	5/28/2024	40.32011444	-104.6738028
Confirmation Base	5/28/2024	40.32011081	-104.6737664

Notes:

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum 1983 (NAD83) UTM Zone 13 North.

TABLE 5
SECOND HALF 2024
SUMMARY OF GROUNDWATER ELEVATION DATA
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event ¹ (feet)
MW01	12/13/2023	5.59			13.00	4,725.45	4,719.86	-1.33
MW01	3/12/2024	6.21			12.89	4,725.45	4,719.24	-0.62
MW01	9/19/2024	4.20			13.00	4,725.45	4,721.25	2.01
MW01	12/9/2024	5.53			13.00	4,725.45	4,719.92	-1.33
MW02	12/13/2023	3.61			11.43	4,723.07	4,719.46	-1.41
MW02	3/12/2024	4.23			11.34	4,723.07	4,718.84	-0.62
MW02	9/19/2024	2.10			11.11	4,723.07	4,720.97	2.13
MW02	12/9/2024	3.55			11.11	4,723.07	4,719.52	-1.45
MW03	12/13/2023	6.50			13.85	4,726.28	4,719.78	-1.57
MW03	3/12/2024	7.17			13.35	4,726.28	4,719.11	-0.67
MW03	9/19/2024	4.78			13.32	4,726.28	4,721.50	2.39
MW03	12/9/2024	6.45			13.32	4,726.28	4,719.83	-1.67
MW04	12/13/2023	6.12			12.91	4,726.16	4,720.04	-1.70
MW04	3/12/2024	6.82			12.79	4,726.16	4,719.34	-0.70
MW04	9/19/2024	4.26			12.73	4,726.16	4,721.90	2.56
MW04	12/9/2024	6.05			12.73	4,726.16	4,720.11	-1.79
MW05	12/13/2023	6.61			13.23	4,726.32	4,719.71	-1.73
MW05	3/12/2024	7.35			12.98	4,726.32	4,718.97	-0.74
MW05	9/19/2024	4.68			13.10	4,726.32	4,721.64	2.67
MW05	12/9/2024	6.57			13.10	4,726.32	4,719.75	-1.89
MW06	12/13/2023	3.01			6.65	4,722.17	4,719.16	-1.24
MW06	3/12/2024	3.62			6.66	4,722.17	4,718.55	-0.61
MW06	9/19/2024	1.70			6.88	4,722.17	4,720.47	1.92
MW06	12/9/2024	2.96			6.88	4,722.17	4,719.21	-1.26
MW07	12/13/2023	Well presumed buried/destroyed						NA
MW07	3/12/2024	Well presumed buried/destroyed						NA
MW07	9/19/2024	Well presumed buried/destroyed						NA
MW07	12/9/2024	Well presumed buried/destroyed						NA
Average change in groundwater elevation (3/12/2024 to 9/19/2024)								2.28
Average change in groundwater elevation (9/19/2024 to 12/9/2024)								-1.56

Notes:

1- Groundwater elevation was corrected for product thickness (when present) using the following calculation:

$$\text{Groundwater elevation} = (\text{TOC Elevation} - \text{Measured Depth to Water}) + (\text{LNAPL Thickness in Well} * \text{LNAPL Relative Density})$$

LNAPL relative density was assumed to be approximately 0.75

2- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected amsl = feet above mean sea level

TOC = top of casing

Groundwater elevation = (TOC Elevation - Measured Depth to Water)

NM = Not Measured

NA = Not Applicable

TABLE 6
SECOND HALF 2024
SUMMARY OF TABLE 915-1 CONCENTRATIONS IN GROUNDWATER
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Comments
ECMC Standards (µg/L)		5	560	700	1,400	67	67	140	
MW01	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW01	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW02	9/19/2024	<1.00	<1.00	<1.00	<1.00	10.1	<2.00	<2.00	
MW02	12/9/2024	<1.00	<1.00	1.01	9.90	8.83	<2.00	<2.00	
MW03	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW03	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW04	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW04	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW05	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW05	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW06	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW06	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW07	9/19/2024	NS	NS	NS	NS	NS	NS	NS	Well presumed buried/destroyed
MW07	12/9/2024	NS	NS	NS	NS	NS	NS	NS	Well presumed buried/destroyed

Notes:

1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Energy and Carbon Management Commission (ECMC) standards for contaminants in groundwater according to Table 910-1 (Prior to January 15th, 2021) and Table 915-1 (Post January 15, 2021) of the ECMC 900 Series Rule for E&P Waste Management.

Bold red values indicate an exceedance of the ECMC groundwater standards for the Site.

NS = Not sampled.

µg/L = micrograms per liter.

LNAPL - Light non-aqueous phase liquid

TABLE 7
HISTORICAL TABLE 915-1 CONCENTRATIONS IN GROUNDWATER
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
ECMC Standards (µg/L)		5	560	700	1,400	67	67	140	<1.25 x local background)	(250 mg/l or <1.25 x local	(250 mg/l or <1.25 x local	
MW01	5/21/2019	<4.00	<4.00	<4.00	<4.00	-	-	-	-	-	-	
MW01	8/13/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW01	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW01	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW01	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW01	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW01	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW01	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW01	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	5/21/2019	7.36	<4.00	<4.00	<4.00	-	-	-	-	-	-	
MW02	8/13/2019	6.76	<1.00	2.31	12.80	-	-	-	-	-	-	
MW02	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW02	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW02	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW02	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW02	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	1500	307	436	
MW02	9/9/2021	<1.00	<1.00	<1.00	<1.00	2.55	<1.00	<4.00	-	-	-	
MW02	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	8/16/2022	<1.00	<1.00	<1.00	<1.00	2.55	<2.00	<2.00	-	-	-	
MW02	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	6/29/2023	<1.00	<1.00	<1.00	<1.00	2.42	<2.00	<2.00	-	-	-	
MW02	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02	9/19/2024	<1.00	<1.00	<1.00	<1.00	10.1	<2.00	<2.00	-	-	-	
MW02	12/9/2024	<1.00	<1.00	1.01	9.90	8.83	<2.00	<2.00	-	-	-	
MW03	5/21/2019	<4.00	<4.00	<4.00	<4.00	-	-	-	-	-	-	
MW03	8/13/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW03	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW03	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW03	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW03	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW03	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW03	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW03	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	

TABLE 7
HISTORICAL TABLE 915-1 CONCENTRATIONS IN GROUNDWATER
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
ECMC Standards (µg/L)		5	560	700	1,400	67	67	140	(<1.25 x local background)	(250 mg/l or <1.25 x local)	(250 mg/l or <1.25 x local)	
MW03	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW03	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	5/21/2019	<4.00	<4.00	<4.00	<4.00	-	-	-	-	-	-	
MW04	8/13/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW04	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW04	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW04	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW04	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW04	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	1190	249	326	
MW04	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW04	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW04	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	5/21/2019	<4.00	<4.00	<4.00	<4.00	-	-	-	-	-	-	
MW05	8/13/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW05	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW05	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW05	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW05	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW05	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW05	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW05	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW06	2/10/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW06	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW06	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW06	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	1900	379	475	
MW06	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW06	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	9/28/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	12/13/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	3/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	9/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	

TABLE 7
HISTORICAL TABLE 915-1 CONCENTRATIONS IN GROUNDWATER
DCP OPERATING, LP/PHILLIPS 66 - KNAUB 9-13G
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
ECMC Standards (µg/L)		5	560	700	1,400	67	67	140	(<1.25 x local background)	(250 mg/l or <1.25 x local)	(250 mg/l or <1.25 x local)	
MW06	12/9/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	11/8/2019	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW07	2/10/2020	3.79	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW07	5/12/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW07	8/26/2020	<1.00	<1.00	<1.00	<1.00	-	-	-	-	-	-	
MW07	2/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW07	9/9/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
MW07	3/10/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	8/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	3/27/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	6/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	9/28/2023	NS	NS	NS	NS	NS	NS	NS	-	-	-	Could not be located
MW07	12/13/2023	NS	NS	NS	NS	NS	NS	NS	-	-	-	Could not be located
MW07	3/12/2024	NS	NS	NS	NS	NS	NS	NS	-	-	-	Could not be located
MW07	9/19/2024	NS	NS	NS	NS	NS	NS	NS	-	-	-	Well presumed buried/destroyed
MW07	12/9/2024	NS	NS	NS	NS	NS	NS	NS	-	-	-	Well presumed buried/destroyed

Notes:

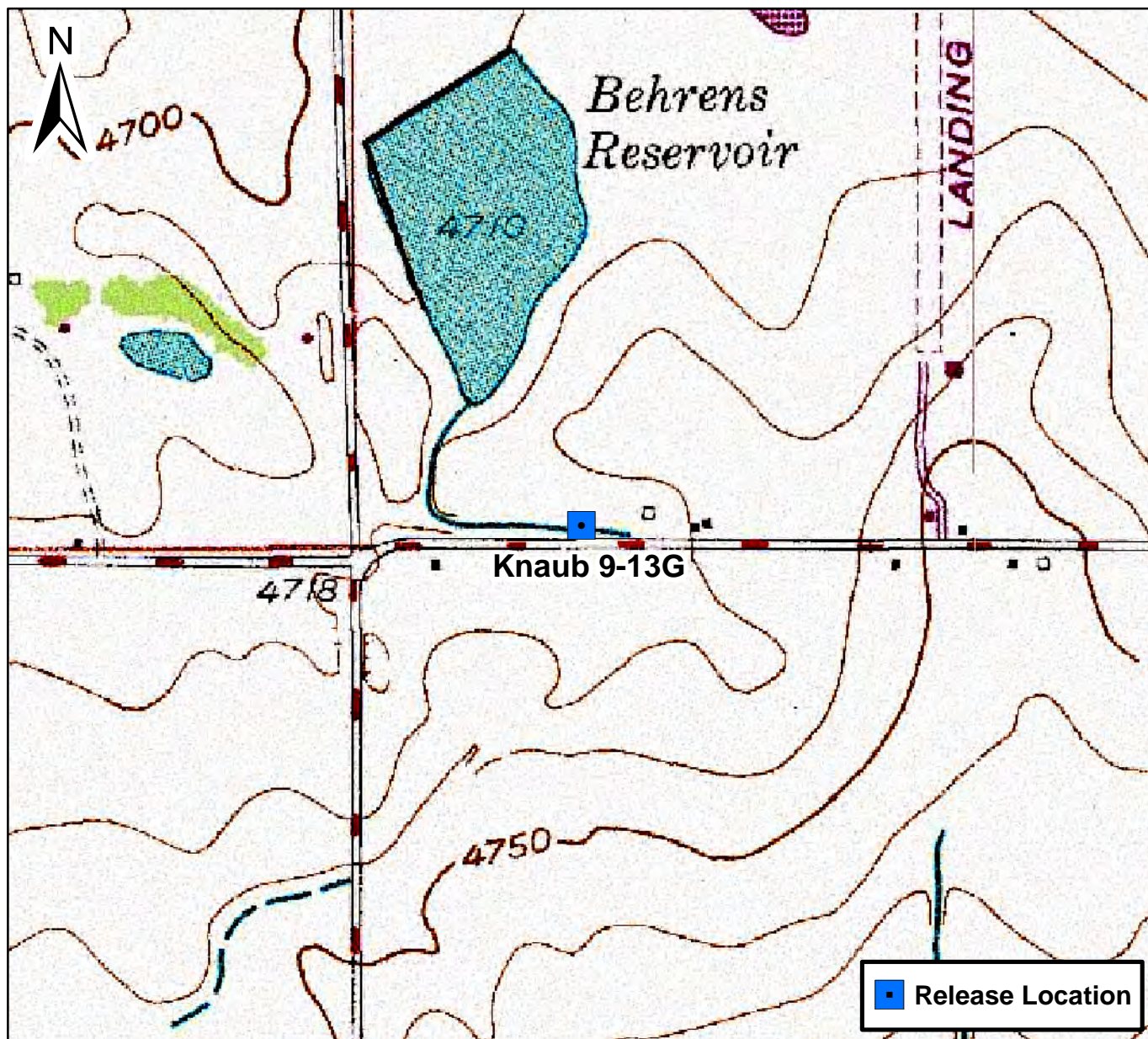
1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Energy and Carbon Management Commission (ECMC) standards for contaminants in groundwater according to Table 910-1 (Prior to January 15th, 2021) and Table 915-1 (Post January 15, 2021) of the ECMC 900 Series Rule for E&P Waste Management.

Bold red values indicate an exceedance of the ECMC groundwater standards for the Site.

NS = Not sampled.

µg/L = micrograms per liter.

LNAPL - Light non-aqueous phase liquid

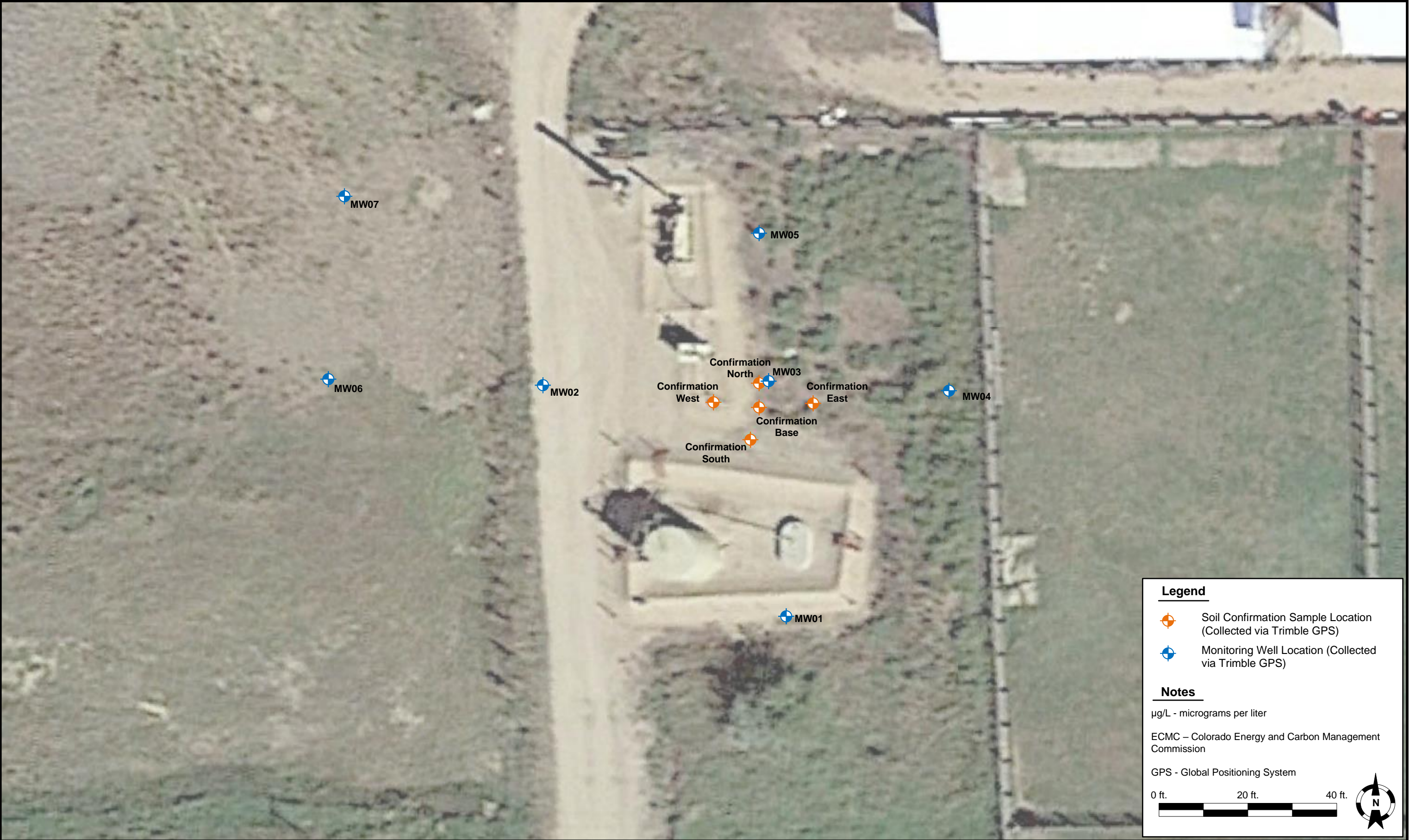



0 750 1,500 Feet

Figure 1

Site Location Map
Knaub 9-13G
SWSW S9 T4N R65W
Weld County, Colorado





DATE: August 2024	 TASMAN Tasman, Inc. 6855 W. 119th Avenue Broomfield, Colorado 80020	DCP Operating, LP/Phillips 66 Knaub 9-13G SWSW, Section 9, Township 4 North, Range 65 West Weld County, Colorado	Site Overview Map and May 28, 2024 Soil Locations	FIGURE 2
DESIGNED BY: J. Watts				
DRAWN BY: J.Woffinden				



DATE: February 2025

DESIGNED BY: J. Watts

DRAWN BY: J. Woffinden



DCP Operating, LP/Phillips 66
Knaub 9-13G
SWSW Section 9, Township 4 North, Range 65 West
Weld County, Colorado

Groundwater Elevation
Contour Map
(September 19, 2024)

Figure
3



DATE: February 2025

DESIGNED BY: J. Watts

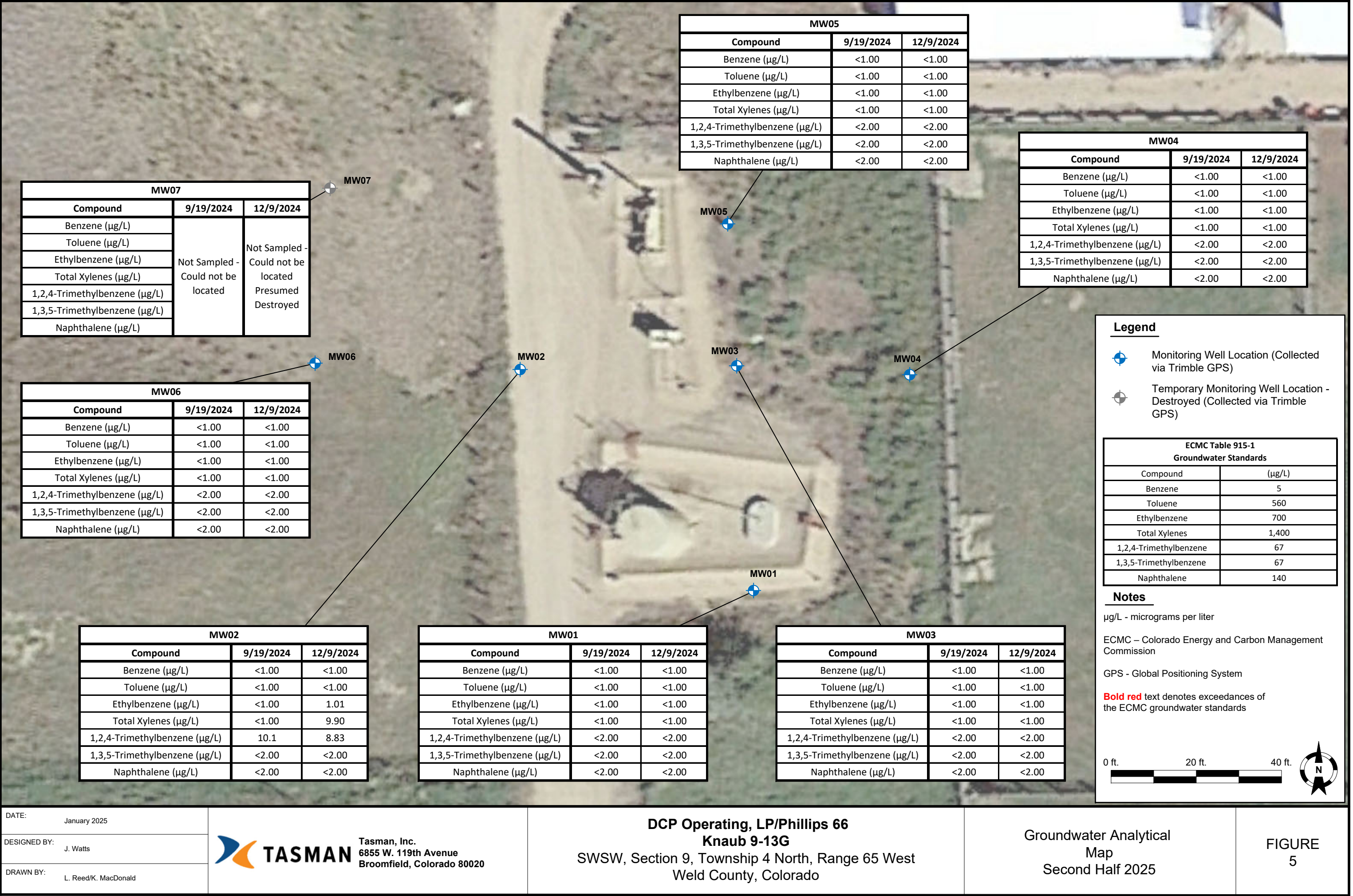
DRAWN BY: J. Woffinden



DCP Operating, LP/Phillips 66
Knaub 9-13G
SWSW Section 9, Township 4 North, Range 65 West
Weld County, Colorado

Groundwater Elevation
Contour Map
(December 9, 2024)

Figure
4



Boring/Well ID #:		SITE NAME: <u>Krub 9-136</u>		CLIENT NAME: <u>DCP</u>	
Date Started: <u>5/28/24</u>		Location: <u>Confrington west</u>			
Date Completed: <u>5/28/24</u>		TOC Elevation:		DTW: <u>6'</u>	
Type of Drill: <u>HA</u>		Geologist: <u>KM/JS</u>			
Bit Size: <u>4"</u>		Project Manager: <u>BH</u>			
Drilling Company: <u>Tegnan</u>					

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	N/A	↑ Hand Auger ↓				SM	Brown, moist, silty SAND; with gravel
2							
3			101.5	N			Black, strong odor
4			100.9	Y			Black to grayish brown,
5			483.1	N			GW @ 6'
6			45.2	N			Gray, saturated, poorly graded, sand
7			20.1	Y			
8							TD: 7.0
9							GW encountered at 6'
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

10:35

11:05

Boring/Well ID #:		SITE NAME: <u>Knaub 9-136</u>		CLIENT NAME: <u>DCP</u>	
Date Started: <u>5/28/24</u>		Location: <u>Confirmation - Base</u>			
Date Completed: <u>5/28/24</u>		TOC Elevation:		DTW: <u>6</u>	
Type of Drill: <u>HA</u>		Geologist: <u>KM/JS/BU</u>			
Bit Size: <u>4"</u>		Project Manager: <u>BH</u>			
Drilling Company: <u>Tasman</u>					

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description		
1	N/A	Hand Auger				Sm	Brown silty SAND, moist with gravel		
2									
3			70.3	N	70.3	Black to gray, moist, HC odor	11:20		
4			1995	Y	1995	Strong HC odor	11:30		
5			1468	N	1468		11:33		
6			256.8	N	256.8	GW @ 6' Gmy, saturated, SP	11:42		
7				262.3	Y	262.3		11:45	
8							TD: 7'		
9							GW encountered at 6'		
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Boring/Well ID #:		SITE NAME: <u>Knaub 9-136</u>		CLIENT NAME: <u>DCP</u>	
Date Started: <u>5/28/24</u>		Location: <u>Confirmation North</u>			
Date Completed: <u>5/28/24</u>		TOC Elevation:		DTW: <u>5'</u>	
Type of Drill: <u>HA</u>		Geologist: <u>KM/JS/BV</u>			
Bit Size: <u>4"</u>		Project Manager: <u>BH</u>			
Drilling Company: <u>Tasman</u>					

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description		
1	N/A	↑ Hand Auger ↓				SM	Brown, moist, silty SAND		
2									
3									
4			669.9	N	CL	Black to gray, moist, sandy CLAY	12:05		
5			391.1	N		GW @ 5'	12:10		
6			1295	Y	SP	Black, saturated, SP, strong odor.	12:15		
7			243.2	Y			12:20		
8							TD: 7'		
9							GW encountered at 5'		
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Boring/Well ID #:		SITE NAME: <u>Knab 9-136</u>		CLIENT NAME:	
Date Started: <u>5/28/24</u>		Location: <u>Confirmation - East</u>			
Date Completed: <u>5/28/24</u>		TOC Elevation:		DTW: <u>6'</u>	
Type of Drill: <u>HA</u>		Geologist: <u>KM/JS/BU</u>			
Bit Size: <u>4"</u>		Project Manager: <u>BH</u>			
Drilling Company: <u>Tasman</u>					

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	N/A	Hand Auger				SM	Brown, moist silty SAND
2							
3							
4							
5				196.5	N	SM	Increased fines
6				328.2	-Y-	SP	Black, wet, silty SAND, strong HC odor
7				81.0	Y		GW @ 6' saturated, black to tan SP
8						TD: 7'	
9						GW encountered at 6'	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

12:40

12:45

12:50

Borehole Logging Form

Boring/Well ID #:		SITE NAME: <u>Knaub 9-136</u>		CLIENT NAME: <u>DCP</u>	
Date Started: <u>5/28/24</u>		Location: <u>Con firm - South</u>			
Date Completed: <u>5/28/24</u>		TOC Elevation:		DTW: <u>N/A</u>	
Type of Drill: <u>HA.</u>		Geologist: <u>KM/JS/BV</u>			
Bit Size: <u>4"</u>		Project Manager: <u>BH</u>			
Drilling Company: <u>Tasman</u>					

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	N/A	↑ Hand Auger ↓				SM	Brown, moist, silty SAND	
2								
3								Gray color.
4			15.5	N	SM	V. Dark brown to tan, moist	13:01	
5			151.1	N		HC odor	13:05	
6			725.4	Y	SM	Black to gray to brown, moist, strong HC odor	13:10	
7			1102	Y	SP	Gray to tan SPE 7'	13:15	
8							TD: 7'	
9							No GW encountered	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								





