



FIGURES

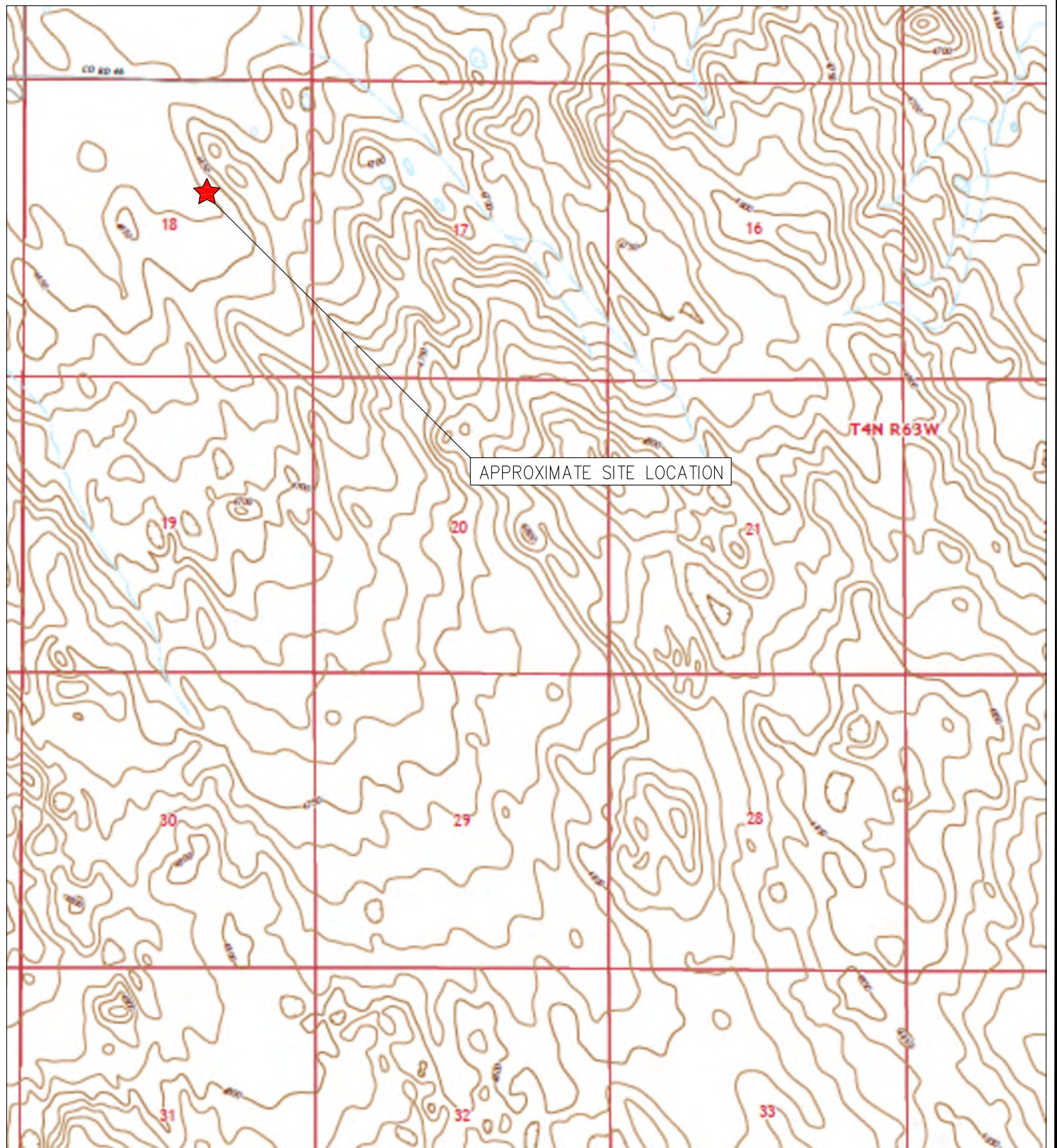
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Boring Analytical Map

Figure 4: Soil Boring Metals in Soil Map

Figure 5: Background Comparison Map



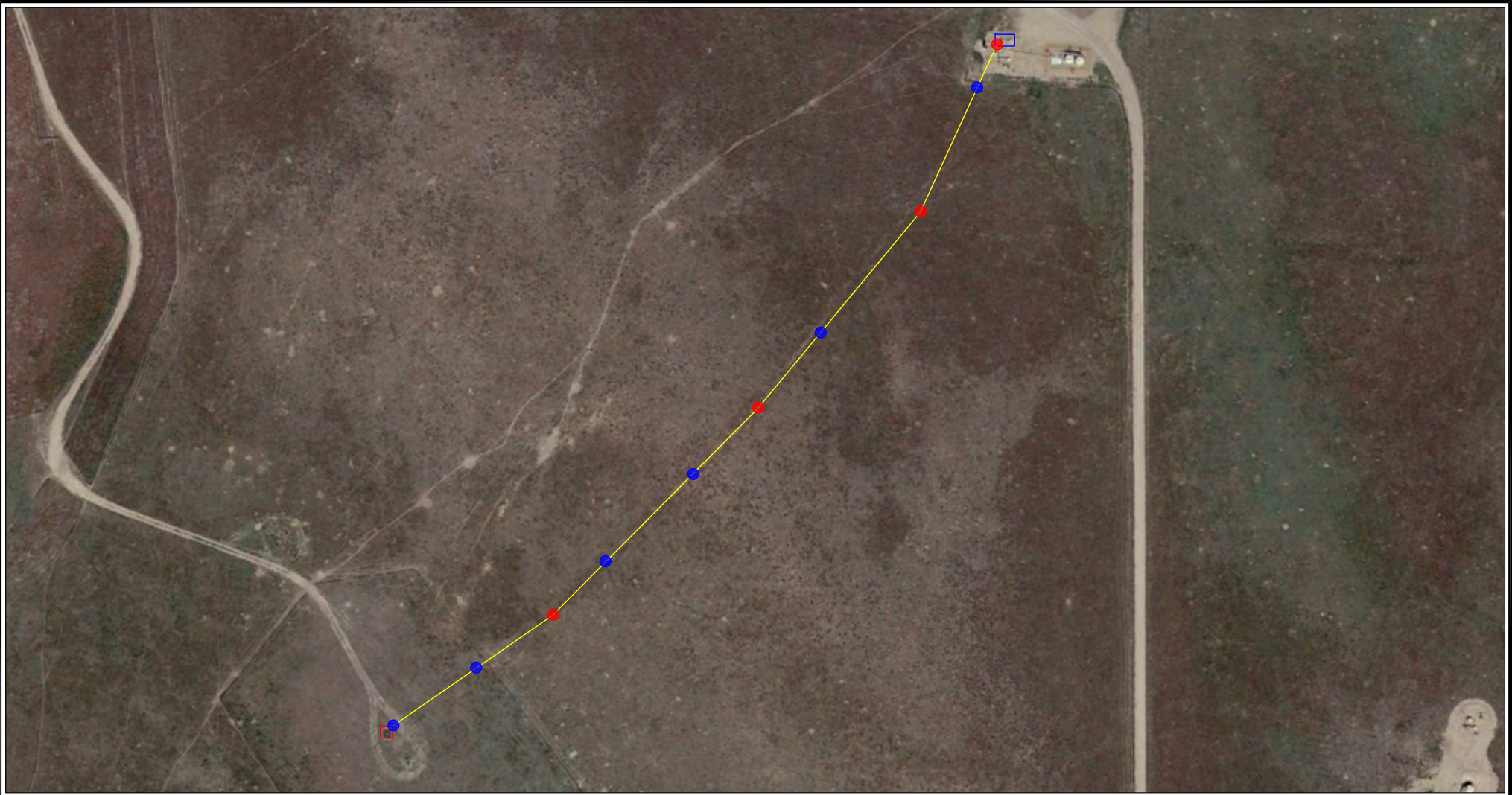
TOPOGRAPHIC SITE LOCATION MAP
 SATER CC #18-17D
 HISTORICAL RELEASE
 40.314070 / -104.478290
 SW¼ NE¼ SEC.18 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-34613
 REMEDIATION # 31822



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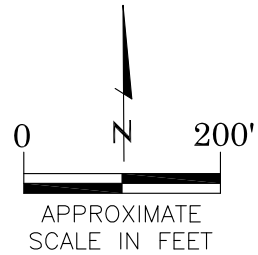
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LEGEND

- FORMER SATER CC #18-17D WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE SAMPLE LOCATIONS - FIELD SCREENED
- APPROXIMATE FLOWLINE SAMPLE LOCATIONS - LAB SUBMITTED



AERIAL SITE LOCATION MAP

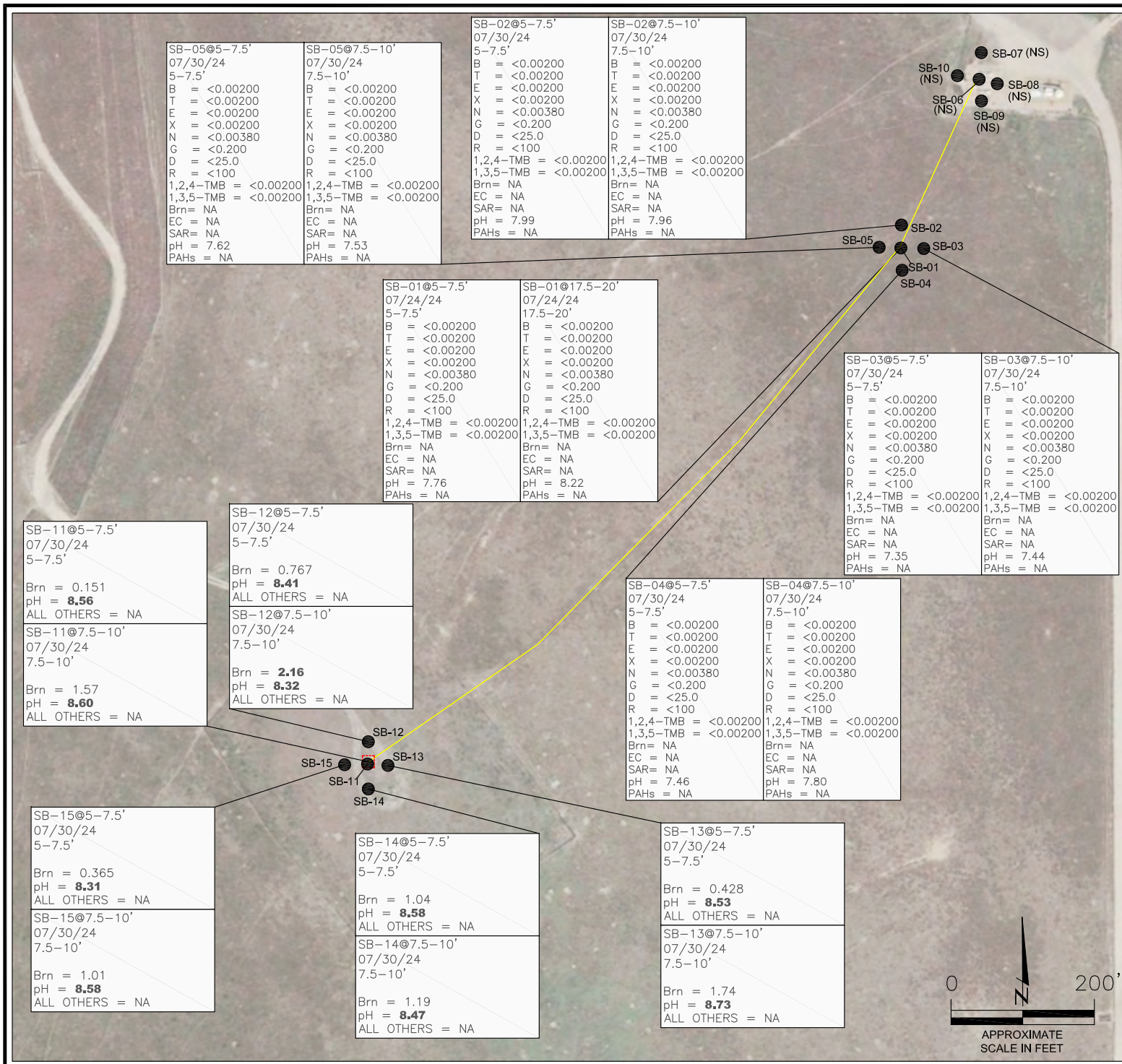
SATER CC #18-17D
 HISTORICAL RELEASE
 40.314070 / -104.478290
 SW¼ NE¼ SEC.18 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-34613
 REMEDIATION # 31822

FIGURE NO.
2

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)

B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
N = NAPHTHALENE (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)
O = TPH-ORO (mg/kg)
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)
Brn= BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR= SODIUM ADSORPTION RATIO
pH = pH (pH UNITS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM
mg/L = MILLIGRAMS PER LITER

NA - NOT ANALYZED

(NS) = NOT SAMPLED

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

SOIL BORING ANALYTICAL MAP
SATER CC #18-17D
HISTORICAL RELEASE
40.314070 / -104.478290
SW¼ NE¼ SEC.18 T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-34613
REMEDATION # 31822

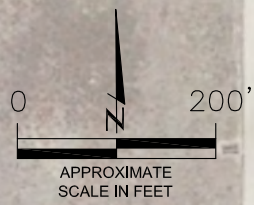
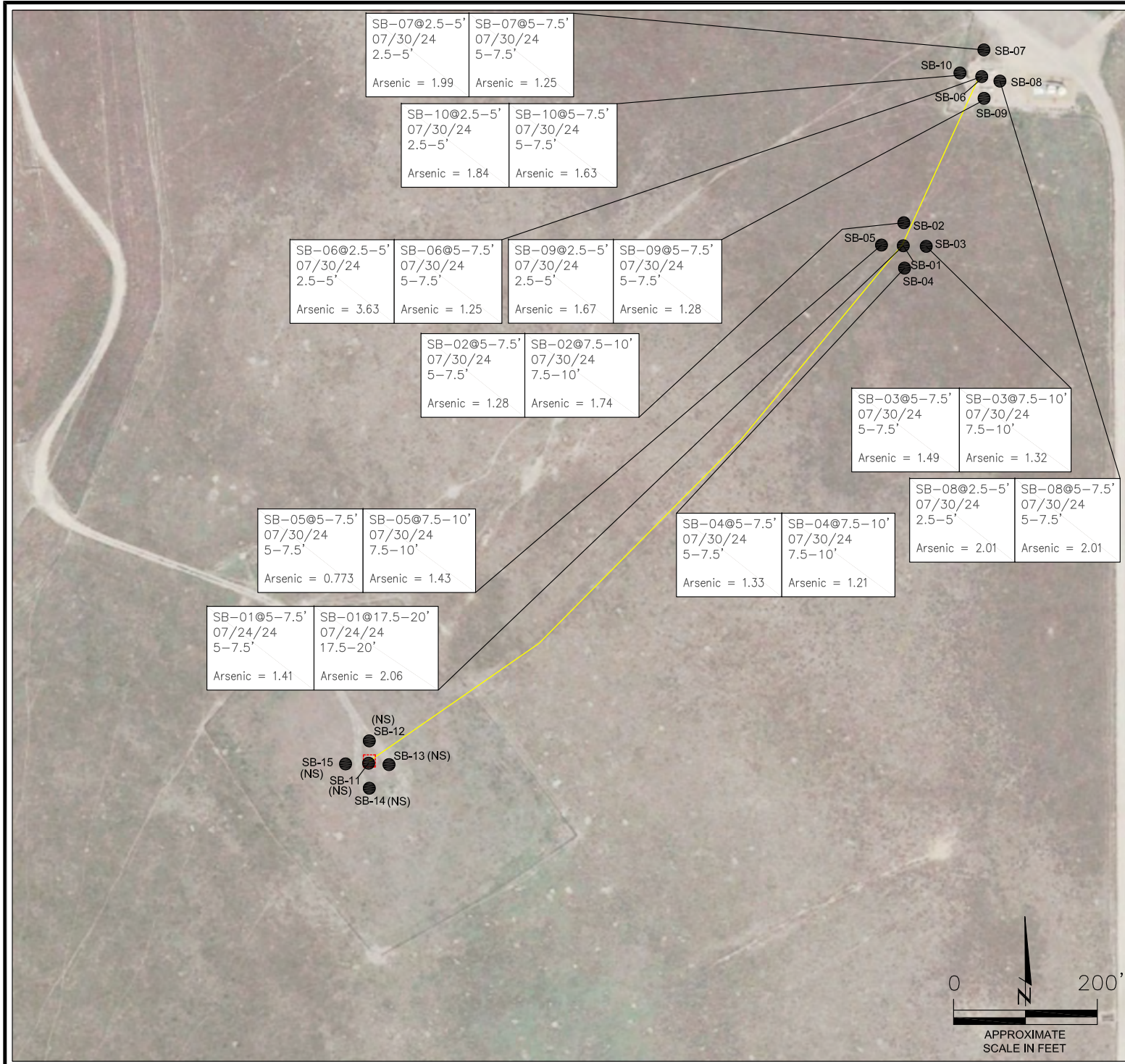


FIGURE NO.
3

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

Arsenic = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM
(NS) = NOT SAMPLED

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT/OR ABOVE LABORATORY REPORTING LIMITS AND/OR MINIMUM DETECTION LIMITS.

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND HIGH CONCENTRATIONS, EXCLUDING OUTLIERS, WHERE APPLICABLE.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS AND APPLICABLE LOCAL CLEAN-UP LEVELS.

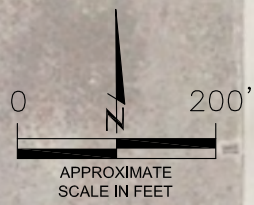
ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

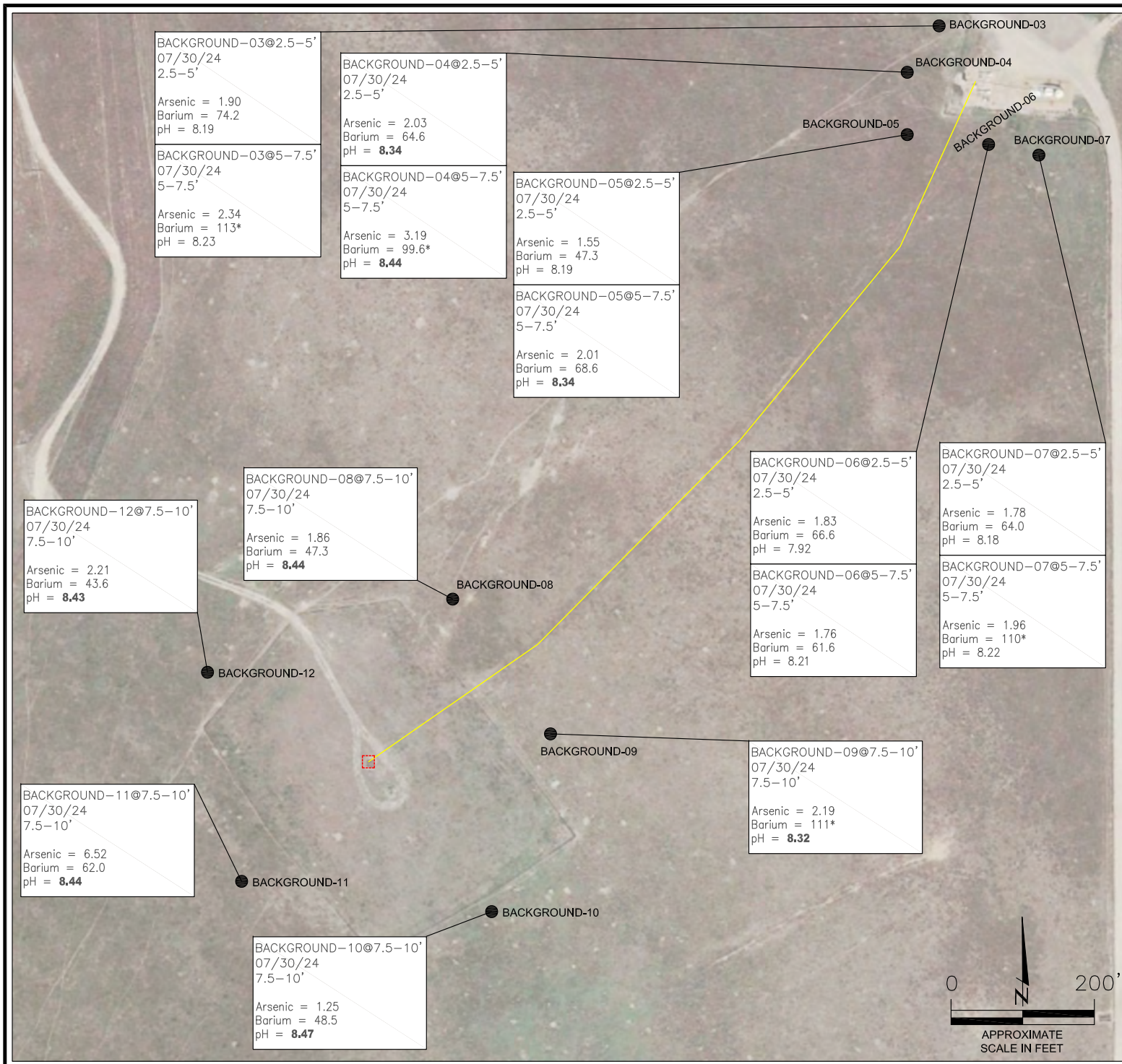
SOIL BORING METALS IN SOIL MAP
SATER CC #18-17D
HISTORICAL RELEASE
40.314070 / -104.478290
SW¼ NE¼ SEC.18 T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-34613
REMEDATION # 31822

FIGURE NO. 4

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION	DATE	DEPTH (FEET)
Arsenic = (mg/kg)		
Barium = (mg/kg)		
pH = pH (pH UNITS)		

NOTES:

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND CONCENTRATIONS WHERE APPLICABLE.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS AND APPLICABLE LOCAL CLEAN-UP LEVELS.

VALUES PRESENTED WITH AN ASTERISK (*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

BACKGROUND COMPARISON MAP
SATER CC #18-17D
HISTORICAL RELEASE
40.314070 / -104.478290
SW¼ NE¼ SEC.18 T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-34613
REMEDATION # 31822

FIGURE NO.
5

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APPROXIMATE SCALE IN FEET

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TABLES

Table 1: Field Data Summary

Table 2: Summary of Volatile Organic Soil Chemistry Data

Table 3: Summary of PAH Soil Chemistry Data

Table 4: Summary of Soil Suitability for Reclamation

Table 5: Summary of Metals in Soil Chemistry Data

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	GPS Data		VOC Concentration (ppm)
			Latitude/Longitude		
WH-FS-01 @ 6'	11/14/2023	6	40.314072	-104.478301	0.9
WH-SS-01 @ 5'	11/14/2023	5	40.314087	-104.478298	0.1
WH-SS-02 @ 5'	11/14/2023	5	40.314076	-104.478288	0.0
WH-SS-03 @ 5'	11/14/2023	5	40.314065	-104.478301	0.1
WH-SS-04 @ 5'	11/14/2023	5	40.314077	-104.478318	0.1
WH-N @ 0.5'	11/14/2023	0.5	40.314101	-104.478297	0.1
WH-E @ 0.5'	11/14/2023	0.5	40.314073	-104.478266	0.0
WH-S @ 0.5'	11/14/2023	0.5	40.314046	-104.478301	0.0
WH-W @ 0.5'	11/14/2023	0.5	40.314075	-104.478346	0.2
Background-01 @ 2'	11/14/2023	2	40.314045	-104.478266	0.1
FL-SS-01 @ 4'	1/18/2024	4	40.314068	-104.478290	1.4
FL-SS-02 @ 4'	1/18/2024	4	40.314334	-104.477821	1.0
FL-SS-03 @ 4'	1/18/2024	4	40.314529	-104.477461	1.1
FL-SS-04 @ 4'	1/18/2024	4	40.314755	-104.477193	1.3
FL-SS-05 @ 4'	1/18/2024	4	40.315038	-104.476810	1.3
FL-SS-06 @ 4'	1/19/2024	4	40.315299	-104.476463	1.5
FL-SS-07 @ 4'	1/19/2024	4	40.315588	-104.476146	1.2
FL-SS-08 @ 5'	1/22/2024	5	40.315927	-104.475804	8.4
FL-SS-09 @ 5'	1/22/2024	5	40.316461	-104.475410	7.0
FL-SS-10 @ 4'	1/22/2024	4	40.316681	-104.475251	4.5
Background-02 @ 2'	1/18/2024	2	40.315776	-104.476142	0.8
SB-01 @ 5-7.5'	7/24/2024	5-7.5	40.315921	-104.475805	21.8
SB-01 @ 17.5-20'	7/24/2024	17.5-20	40.315921	-104.475805	22.8
SB-02 @ 5-7.5'	7/30/2024	5-7.5	40.316003	-104.475805	22.4
SB-02 @ 7.5-10'	7/30/2024	7.5-10	40.316003	-104.475805	20.7
SB-03 @ 5-7.5'	7/30/2024	5-7.5	40.315919	-104.475702	23.9
SB-03 @ 7.5-10'	7/30/2024	7.5-10	40.315919	-104.475702	24.5
SB-04 @ 5-7.5'	7/30/2024	5-7.5	40.315847	-104.475802	26.8
SB-04 @ 7.5-10'	7/30/2024	7.5-10	40.315847	-104.475802	22.8
SB-05 @ 5-7.5'	7/30/2024	5-7.5	40.315926	-104.475919	21.9
SB-05 @ 7.5-10'	7/30/2024	7.5-10	40.315926	-104.475919	19.9
SB-06 @ 2.5-5'	7/30/2024	2.5-5	40.316677	-104.475251	8.9
SB-06 @ 5-7.5'	7/30/2024	5-7.5	40.316677	-104.475251	5.0
SB-07 @ 2.5-5'	7/30/2024	2.5-5	40.316766	-104.475251	5.6
SB-07 @ 5-7.5'	7/30/2024	5-7.5	40.316766	-104.475251	1.1
SB-08 @ 2.5-5'	7/30/2024	2.5-5	40.316676	-104.475133	6.2
SB-08 @ 5-7.5'	7/30/2024	5-7.5	40.316676	-104.475133	3.2
SB-09 @ 2.5-5'	7/30/2024	2.5-5	40.316588	-104.475246	14.1
SB-09 @ 5-7.5'	7/30/2024	5-7.5	40.316588	-104.475246	8.6
SB-10 @ 2.5-5'	7/30/2024	2.5-5	40.316673	-104.475372	9.7
SB-10 @ 5-7.5'	7/30/2024	5-7.5	40.316673	-104.475372	8.0
SB-11 @ 5-7.5'	7/30/2024	5-7.5	40.314064	-104.478302	59.1
SB-11 @ 7.5-10'	7/30/2024	7.5-10	40.314064	-104.478302	25.7
SB-12 @ 5-7.5'	7/30/2024	5-7.5	40.314064	-104.478298	43.9
SB-12 @ 7.5-10'	7/30/2024	7.5-10	40.314064	-104.478298	6.5
SB-13 @ 5-7.5'	7/30/2024	5-7.5	40.314069	-104.479197	54.8
SB-13 @ 7.5-10'	7/30/2024	7.5-10	40.314069	-104.479197	3.3
SB-14 @ 5-7.5'	7/30/2024	5-7.5	40.313993	-104.478302	9.7
SB-14 @ 7.5-10'	7/30/2024	7.5-10	40.313993	-104.478302	29.3
SB-15 @ 5-7.5'	7/30/2024	5-7.5	40.314073	-104.478413	1.6
SB-15 @ 7.5-10'	7/30/2024	7.5-10	40.314073	-104.478413	1.0
Background-03 @ 2.5-5'	7/30/2024	2.5-5	40.316901	-104.475480	6.5
Background-03 @ 5-7.5'	7/30/2024	5-7.5	40.316901	-104.475480	3.9

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	GPS Data		VOC Concentration (ppm)
			Latitude/Longitude		
Background-04 @ 2.5-5'	7/30/2024	2.5-5	40.316728	-104.475561	28.2
Background-04 @ 5-7.5'	7/30/2024	5-7.5	40.316728	-104.475561	12.6
Background-05 @ 2.5-5'	7/30/2024	2.5-5	40.316456	-104.475661	14.3
Background-05 @ 5-7.5'	7/30/2024	5-7.5	40.316456	-104.475661	3.2
Background-06 @ 2.5-5'	7/30/2024	2.5-5	40.316362	-104.475260	9.4
Background-06 @ 5-7.5'	7/30/2024	5-7.5	40.316362	-104.475260	3.5
Background-07 @ 2.5-5'	7/30/2024	2.5-5	40.316366	-104.474968	14.4
Background-07 @ 5-7.5'	7/30/2024	5-7.5	40.316366	-104.474968	12.7
Background-08 @ 7.5-10'	7/30/2024	7.5-10	40.314682	-104.477898	0.9
Background-09 @ 7.5-10'	7/30/2024	7.5-10	40.314167	-104.477389	1.3
Background-10 @ 7.5-10'	7/30/2024	7.5-10	40.313474	-104.477699	0.9
Background-11 @ 7.5-10'	7/30/2024	7.5-10	40.313628	-104.478962	2.7
Background-12 @ 7.5-10'	7/30/2024	7.5-10	40.314377	-104.479105	1.8

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
WH-FS-01 @ 6'	11/14/2023	6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
FL-SS-03 @ 4'	1/18/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
FL-SS-06 @ 4'	1/19/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
FL-SS-08 @ 5'	1/22/2024	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.148	<500	<0.200	171	106
FL-SS-10 @ 4'	1/22/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 5-7.5'	7/24/2024	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 17.5-20'	7/24/2024	17.5-20	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-02 @ 5-7.5'	7/30/2024	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-02 @ 7.5-10'	7/30/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-03 @ 5-7.5'	7/30/2024	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-03 @ 7.5-10'	7/30/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-04 @ 5-7.5'	7/30/2024	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-04 @ 7.5-10'	7/30/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-05 @ 5-7.5'	7/30/2024	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-05 @ 7.5-10'	7/30/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	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)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WH-FS-01 @ 6'	11/14/2023	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL-SS-03 @ 4'	1/18/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL-SS-06 @ 4'	1/19/2024	4	<0.020	<0.020	0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL-SS-08 @ 5'	1/22/2024	5	5.97	11.9	12.7	7.74	8.57	3.97	12.2	1.16	45.7	8.30	3.53	28.6	0.692	1.29
FL-SS-10 @ 4'	1/22/2024	4	<0.020	<0.020	0.007	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
SB-01 @ 5-7.5'	7/24/2024	5-7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-01 @ 17.5-20'	7/24/2024	17.5-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 5-7.5'	7/30/2024	5-7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 7.5-10'	7/30/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 5-7.5'	7/30/2024	5-7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 7.5-10'	7/30/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 5-7.5'	7/30/2024	5-7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 7.5-10'	7/30/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 5-7.5'	7/30/2024	5-7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 7.5-10'	7/30/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

NA - Not analyzed

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
WH-FS-01 @ 6'	11/14/2023	6	8.37	0.342	3.17	0.116
FL-SS-03 @ 4'	1/18/2024	4	7.71	0.0755	0.159	<0.0998
FL-SS-06 @ 4'	1/19/2024	4	7.72	0.0839	0.286	<0.0999
FL-SS-08 @ 5'	1/22/2024	5	7.41	0.140	0.268	<0.101
FL-SS-10 @ 4'	1/22/2024	4	8.22	0.215	0.0958	<0.0998
SB-01 @ 5-7.5'	7/24/2024	5-7.5	7.76	NA	NA	NA
SB-01 @ 17.5-20'	7/24/2024	17.5-20	8.22	NA	NA	NA
SB-02 @ 5-7.5'	7/30/2024	5-7.5	7.99	NA	NA	NA
SB-02 @ 7.5-10'	7/30/2024	7.5-10	7.96	NA	NA	NA
SB-03 @ 5-7.5'	7/30/2024	5-7.5	7.35	NA	NA	NA
SB-03 @ 7.5-10'	7/30/2024	7.5-10	7.44	NA	NA	NA
SB-04 @ 5-7.5'	7/30/2024	5-7.5	7.46	NA	NA	NA
SB-04 @ 7.5-10'	7/30/2024	7.5-10	7.80	NA	NA	NA
SB-05 @ 5-7.5'	7/30/2024	5-7.5	7.62	NA	NA	NA
SB-05 @ 7.5-10'	7/30/2024	7.5-10	7.53	NA	NA	NA
SB-11 @ 5-7.5'	7/30/2024	5-7.5	8.56	NA	NA	0.151
SB-11 @ 7.5-10'	7/30/2024	7.5-10	8.60	NA	NA	1.57
SB-12 @ 5-7.5'	7/30/2024	5-7.5	8.41	NA	NA	0.767
SB-12 @ 7.5-10'	7/30/2024	7.5-10	8.32	NA	NA	2.16
SB-13 @ 5-7.5'	7/30/2024	5-7.5	8.53	NA	NA	0.428
SB-13 @ 7.5-10'	7/30/2024	7.5-10	8.73	NA	NA	1.74
SB-14 @ 5-7.5'	7/30/2024	5-7.5	8.58	NA	NA	1.04
SB-14 @ 7.5-10'	7/30/2024	7.5-10	8.47	NA	NA	1.19
SB-15 @ 5-7.5'	7/30/2024	5-7.5	8.31	NA	NA	0.365
SB-15 @ 7.5-10'	7/30/2024	7.5-10	8.58	NA	NA	1.01
Background-01 @ 2'	11/14/2023	2	8.25	NA	NA	NA
Background-02 @ 2'	1/18/2024	2	8.11	1.29	0.0695	0.665
Background-03 @ 2.5-5'	7/30/2024	2.5-5	8.19	NA	NA	NA
Background-03 @ 5-7.5'	7/30/2024	5-7.5	8.23	NA	NA	NA
Background-04 @ 2.5-5'	7/30/2024	2.5-5	8.34	NA	NA	NA
Background-04 @ 5-7.5'	7/30/2024	5-7.5	8.44	NA	NA	NA
Background-05 @ 2.5-5'	7/30/2024	2.5-5	8.19	NA	NA	NA
Background-05 @ 5-7.5'	7/30/2024	5-7.5	8.34	NA	NA	NA
Background-06 @ 2.5-5'	7/30/2024	2.5-5	7.92	NA	NA	NA
Background-06 @ 5-7.5'	7/30/2024	5-7.5	8.21	NA	NA	NA
Background-07 @ 2.5-5'	7/30/2024	2.5-5	8.18	NA	NA	NA
Background-07 @ 5-7.5'	7/30/2024	5-7.5	8.22	NA	NA	NA
Background-08 @ 7.5-10'	7/30/2024	7.5-10	8.44	NA	NA	NA
Background-09 @ 7.5-10'	7/30/2024	7.5-10	8.32	NA	NA	NA
Background-10 @ 7.5-10'	7/30/2024	7.5-10	8.47	NA	NA	NA
Background-11 @ 7.5-10'	7/30/2024	7.5-10	8.44	NA	NA	NA
Background-12 @ 7.5-10'	7/30/2024	7.5-10	8.43	NA	NA	NA
Maximum Background Concentration			8.47	1.29	0.0695	0.665
Average Background Concentration			8.28	1.29	0.0695	0.665

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
 2. Blue highlighted soil analytical values indicate a regulatory exceedance
- NA - Not analyzed

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SATER CC #18-17D, WELD COUNTY, COLORADO
REM # 31822

Sample ID	Sample Date	Depth (ft)	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)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
WH-FS-01 @ 6'	11/14/2023	6	0.987	125	<0.0990	<0.244*	<9.90	<9.90	<9.90	<0.0990	<0.0990	<99.0
FL-SS-03 @ 4'	1/18/2024	4	1.33	35.6	<0.0894	<0.244*	<8.94	4.23	4.11	<0.0894	<0.0894	18.0
FL-SS-06 @ 4'	1/19/2024	4	1.56	36.4	<0.0860	<0.244*	<8.60	3.24	3.10	<0.0860	<0.0860	12.3
FL-SS-08 @ 5'	1/22/2024	5	1.74	47.5	<0.0897	<0.244*	<8.97	4.39	4.53	<0.0897	<0.0897	20.8
FL-SS-10 @ 4'	1/22/2024	4	3.30	65.6	0.229	<0.244*	<9.10	6.46	7.13	0.166	<0.0910	32.0
SB-01 @ 5-7.5'	7/24/2024	5-7.5	1.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-01 @ 17.5-20'	7/24/2024	17.5-20	2.06	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 5-7.5'	7/30/2024	5-7.5	1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 7.5-10'	7/30/2024	7.5-10	1.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 5-7.5'	7/30/2024	5-7.5	1.49	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 7.5-10'	7/30/2024	7.5-10	1.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 5-7.5'	7/30/2024	5-7.5	1.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 7.5-10'	7/30/2024	7.5-10	1.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 5-7.5'	7/30/2024	5-7.5	0.773	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 7.5-10'	7/30/2024	7.5-10	1.43	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-06 @ 2.5-5'	7/30/2024	2.5-5	3.63	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-06 @ 5-7.5'	7/30/2024	5-7.5	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-07 @ 2.5-5'	7/30/2024	2.5-5	1.99	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-07 @ 5-7.5'	7/30/2024	5-7.5	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-08 @ 2.5-5'	7/30/2024	2.5-5	2.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-08 @ 5-7.5'	7/30/2024	5-7.5	2.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-09 @ 2.5-5'	7/30/2024	2.5-5	1.67	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-09 @ 5-7.5'	7/30/2024	5-7.5	1.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 @ 2.5-5'	7/30/2024	2.5-5	1.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 @ 5-7.5'	7/30/2024	5-7.5	1.63	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-01 @ 2'	11/14/2023	2	1.45	84.7	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 2'	1/18/2024	2	1.65	69.5	0.182	<1.22*	10.2	8.86	5.78	0.137	<0.0912	54.9
Background-03 @ 2.5-5'	7/30/2024	2.5-5	1.90	74.2	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 5-7.5'	7/30/2024	5-7.5	2.34	113	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 2.5-5'	7/30/2024	2.5-5	2.03	64.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 5-7.5'	7/30/2024	5-7.5	3.19	99.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 2.5-5'	7/30/2024	2.5-5	1.55	47.3	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 5-7.5'	7/30/2024	5-7.5	2.01	68.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 2.5-5'	7/30/2024	2.5-5	1.83	66.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 5-7.5'	7/30/2024	5-7.5	1.76	61.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-07 @ 2.5-5'	7/30/2024	2.5-5	1.78	64.0	NA	NA	NA	NA	NA	NA	NA	NA
Background-07 @ 5-7.5'	7/30/2024	5-7.5	1.96	110	NA	NA	NA	NA	NA	NA	NA	NA
Background-08 @ 7.5-10'	7/30/2024	7.5-10	1.86	47.3	NA	NA	NA	NA	NA	NA	NA	NA
Background-09 @ 7.5-10'	7/30/2024	7.5-10	2.19	111	NA	NA	NA	NA	NA	NA	NA	NA
Background-10 @ 7.5-10'	7/30/2024	7.5-10	1.25	48.5	NA	NA	NA	NA	NA	NA	NA	NA
Background-11 @ 7.5-10'	7/30/2024	7.5-10	6.52	62.0	NA	NA	NA	NA	NA	NA	NA	NA
Background-12 @ 7.5-10'	7/30/2024	7.5-10	2.21	43.6	NA	NA	NA	NA	NA	NA	NA	NA
Maximum Background Concentration			6.52	113	0.182		10.2	8.86	5.78	0.137		54.9
125% Maximum Background Concentration			8.15	141	0.228		12.8	11.1	7.23	0.171		68.6

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
* Indicates laboratory minimum detection limit in excess of SSL
NA - Not analyzed




ATTACHMENT A

Soil Boring Logs


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-20') silty SAND - brown, dry to moist, very loose to loose, fine to medium grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	75	13.6	N/A	Well not completed	
2.5						16.3			
5			DP	2	75	21.8	N/A		
7.5						22.7			
10			DP	3	80	22.9	N/A		
12.5						20.6			
15			DP	4	85	22.7	N/A		
17.5						22.8			
20	BoB @ 20'								

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/24/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1010/1030			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1018 & 17.5-20/1026			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-6') silty SAND- brown, dry, very loose to loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	75	29.8	N/A	Well not completed		
						21.9				
5	(6-10') silty SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S		DP	2	80	22.4	N/A			
						20.7				
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 0930/0942	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/0941 & 7.5-10/0941	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-6') silty SAND- brown, dry, very loose to loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	80	22.9	N/A	Well not completed		
						23.8				
5	(6-10') silty SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	85	23.9	N/A			
						24.5				
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 0942/0950			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/0949 & 7.5-10/0949			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-6') silty SAND- brown, dry, very loose to loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	75	20.8	N/A	Well not completed		
						24.8				
5	(6-10') silty SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	75	26.8	N/A			
						22.8				
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 0950/1000	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/0958 & 7.5-10/0958	


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-6') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	80	20.9	N/A	Well not completed	
						21.8			
5	(6-10') silty SAND - brown, dry to moist, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	80	21.9	N/A		
						19.9			
10	BoB @ 10'								
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 0905/0930	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/0928 & 7.5-10/0928	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') silty SAND - brown, dry to moist, loose, fine grained, poorly-graded with ~10% silt, N/O, N/S	SM	DP	1	75	5.9	N/A	Well not completed		
5	(4-6') clayey SAND - dark brown, moist, loose, fine grained, poorly-graded with ~20% clay, N/O, N/S	SC				8.9				
5	(6-7.5') silty SAND - brown/grey, moist, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	95	5.0	N/A			
7.5	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1020/1032	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1027 & 5-7.5/1032	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	85	5.5	N/A	Well not completed		
						5.6				
5	(5-7.5') clayey SAND- dark brown/grey, dry, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	2	80	1.1	N/A			
	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1100/1110			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1106 & 5-7.5/1110			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	75	6.5	N/A	Well not completed		
					6.2					
5	(5-7.5') clayey SAND - dark brown/grey, dry, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	2	90	3.2	N/A			
	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1050/1100	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1056 & 5-7.5/1100	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	85	11.5	N/A	Well not completed		
						14.1				
5	(5-7.5') clayey SAND - dark brown/grey, dry, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	2	90	8.6	N/A			
	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1040/1050			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1042 & 5-7.5/1050			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	90	6.3	N/A	Well not completed		
						9.7				
5	(5-7.5') clayey SAND - dark brown/grey, dry, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	2	90	9.0	N/A			
	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1032/1040	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1037 & 5-7.5/1040	


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-4') silty SAND - light brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S (4-10') silty SAND - light brown/grey, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe	SM	DP	1	85	41.9	N/A	Well not completed	
5						55.9			
5			DP	2	100	59.1	N/A		
10						25.7			
10	BoB @ 10'								
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1255/1305			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1300 & 7.5-10/1300			


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-4') silty SAND - light brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S (4-10') silty SAND - light brown/grey, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe	SM	DP	1	85	46.3	N/A	Well not completed	
5						53.0			
5			DP	2	43.9	N/A			
10					6.5				
10	BoB @ 10'								
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1315/1400	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1355 & 7.5-10/1355	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') silty SAND - light brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1		57.5	N/A	Well not completed		
						61.2				
5	(4-10') silty SAND - light brown/grey, dry, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe present		DP	2		54.8	N/A			
						3.3				
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1305/1315	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1315 & 7.5-10/1315	


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-4') silty SAND - light brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	90	67.4	N/A	Well not completed	
4	(4-10') silty SAND - light brown/grey, dry, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe					49.1			
5			DP	2	100	9.7	N/A		
10	BoB @ 10'					29.3			
10									
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1410/1430	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1425 & 7.5-10/1425	


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-4') silty SAND - light brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	85	54.2	N/A	Well not completed	
						43.5			
5	(4-10') silty SAND - light brown/grey, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe		DP	2	100	1.6	N/A		
						1.0			
10	BoB @ 10'								
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1400/1410	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1406 & 7.5-10/1406	


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-7.5') silty SAND - brown, dry, very loose to loose, fine grained, poorly graded with ~20% silt, N/O, N/S	SM	DP	1	75	36.0	N/A	Well not completed		
						6.5				
5		DP	2	75	3.9	N/A				
7.5	BoB @ 7.5'									
10										
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1140/1145			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1142 & 5-7.5/1145			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-7.5') silty SAND - brown, dry, very loose to loose, fine grained, poorly graded with ~20% silt, N/O, N/S	SM	DP	1	85	32.5	N/A	Well not completed		
						28.2				
5		CaCO3 lense @ ~7'		DP	2	75	12.6			N/A
10	BoB @ 7.5'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1145/1153			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1150 & 5-7.5/1153			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-7.5') silty SAND - brown, dry, very loose to loose, fine grained, poorly graded with ~20% silt, N/O, N/S	SM	DP	1	80	1.8	N/A	Well not completed		
						14.3				
5			DP	2	90	3.2	N/A			
7.5	BoB @ 7.5'									
10										
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1153/1202			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1158 & 5-7.5/1202			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-7.5') silty SAND - brown, dry, very loose to loose, fine grained, poorly graded with ~20% silt, N/O, N/S	SM	DP	1	90	4.1	N/A	Well not completed		
						9.4				
5		DP	2	95	3.5	N/A				
7.5	BoB @ 7.5'									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1202/1212			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1209 & 5-7.5/1212			


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-7.5') silty SAND - brown, dry, very loose to loose, fine grained, poorly graded with ~20% silt, N/O, N/S	SM	DP	1	75	22.8	N/A	Well not completed	
5						14.4			
5		DP	2	95	12.7	N/A			
7.5	BoB @ 7.5'								
10									
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1212/1226			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1218 & 5-7.5/1225			


DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	75	12.8	N/A	Well not completed		
						9.7				
5	(5-10') silty SAND - light brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2		1.0	N/A			
						0.9				
	Fe lens @ ~9.5'									
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1545/1555			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1550			


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-5') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	85	1.8	N/A	Well not completed	
						0.9			
5	(5-10') silty SAND - light brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S Fe lens @ ~6'	SM	DP	2	95	1.5	N/A		
						1.3			
10	Fe lens @ ~9.5-10'								
	BoB @ 10'								
15									
20									
25									
30									

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 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1535/1545			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1540			

DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-5') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	85	34.6	N/A	Well not completed	
						6.6			
5	(5-10') silty SAND - light brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	100	7.5	N/A		
						0.9			
10	Fe lens @ ~9.5'								
	BoB @ 10'								
15									
20									
25									
30									


HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1522/1535			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1532			

Boring Log/Well Completion Diagram: Background-11


DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-5') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	75	26.8	N/A	Well not completed	
						8.6			
5	(5-10') silty SAND - light brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S, Fe	SM	DP	2	100	4.7	N/A		
						2.7			
10	BoB @ 10'								
15									
20									
25									
30									

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SATER CC #18-17D		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1510/1522			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1519			

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, very loose to loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	80	33.9	N/A	Well not completed		
						25.5				
5	(5-10') silty SAND - light brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	2	95	1.7	N/A			
						1.8				
10	BoB @ 10'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 07/30/24	SAND PACK INTERVAL (FEET): N/A
PROJECT: SATER CC #18-17D	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #13	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1500/1510	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1508	