GENERAL OBSERVATION FORM

Client: Noble

Site Area/AOC: Reistad 1 Tank Battery _____ Date: 1/13/2025 _____

Task/Location Description: Drilling _____

Daily Forecast/Weather: Sunny 30s _____ Personnel: M. Reynolds _____

Description of Activities:

Time	Description
	Site is located in land owner's front yard
	One utility present - no conflicts/issues with boreholes
	BH06 encountered refusal at 13 - impacts still present [PID 137 ppm BH06@12-13']
	BH06 originally BG06 until impacts were discovered - located S of original tank battery location
	BH06 had impacts discovered at 10-13' [see boring logs for PID values]

SITE FIELDWORK
Photographic Log

View: BH01R-BH05R, SS07R

Notes: Area of delineation for impacts originally discovered.

View: Site area

Notes: Site area is located in front of landowner home.

SITE FIELDWORK
Photographic Log

	
View: Utility line	**View:** BH06
Notes: Area of utility line - no conflicts with original boring holes.	**Notes:** BH06, where release was discovered.

SITE FIELDWORK
Photographic Log

	
View: BH06/BH01R-BH05R,SS07R	**View:**
Notes: BH06 in relation to the other boring holes.	**Notes:**

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY, INC. - 100322
REISTAD 1 TANK BATTERY, WELD COUNTY, COLORADO
REM # 17666

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
AST01@0.5'	7/8/2021	0.5	40.336469	-104.565344	1.2	0.1
FLARE 01@0.5'	7/8/2021	0.5	40.336190	-104.565290	1.1	0.0
FLARE 02@0.5'	7/8/2021	0.5	40.336202	-104.565422	1.0	0.0
MH01@0.5'	7/8/2021	0.5	40.336249	-104.565323	1.0	0.0
Sep01-FL01-B@3'	7/8/2021	3	40.336196	-104.565337	1.0	0.4
Sep01-DL01@3'	7/8/2021	3	40.336250	-104.565351	1.1	0.5
SS01@2.5'	7/8/2021	2.5	40.336453	-104.565358	0.9	1.2
SS02@2.5'	7/8/2021	2.5	40.336437	-104.565324	0.9	76.9
SS03@2.5'	7/8/2021	2.5	40.336409	-104.565353	0.9	0.7
SS04@2.5'	7/8/2021	2.5	40.336437	-104.565383	0.9	0.8
FS01@6'	7/8/2021	6	40.336437	-104.565353	0.9	17.3
SS05@2.5'	7/8/2021	2.5	40.336441	-104.565311	0.9	0.8
FS01@7'	7/8/2021	7	40.336436	-104.565351	1.1	5.9
SS06@6'	7/8/2021	6	40.336458	-104.565357	1.0	0.1
SS07@6'	7/8/2021	6	40.336430	-104.565309	0.9	10.4
SS08@6'	7/8/2021	6	40.336410	-104.565351	0.9	0.6
SS09@6'	7/8/2021	6	40.336428	-104.565389	1.1	0.6
BH01@2-3'	10/15/2021	2-3	40.336434	-104.565350	1.2	0.0
BH01@6-8'	10/15/2021	6-8	40.336434	-104.565350	1.2	10.9
BH01@10-12'	10/15/2021	10-12	40.336434	-104.565350	1.2	0.1
BH02@2-3'	10/15/2021	2-3	40.336522	-104.565344	1.0	0.0
BH02@10-12'	10/15/2021	10-12	40.336522	-104.565344	1.0	0.0
BH03@2-3'	10/15/2021	2-3	40.336442	-104.565228	1.0	0.0
BH03@10-12'	10/15/2021	10-12	40.336442	-104.565228	1.0	0.0
BH04@2-3'	10/15/2021	2-3	40.336345	-104.565369	0.9	0.0
BH04@10-12'	10/15/2021	10-12	40.336345	-104.565369	0.9	0.0
BH05@2-3'	10/15/2021	2-3	40.336450	-104.565489	1.0	0.0
BH05@10-12'	10/15/2021	10-12	40.336450	-104.565489	1.0	0.0
BH01R@6-7'	12/18/2024	6-7	40.336419	-104.565342	NC	0.5
BH01R@7-8'	12/18/2024	7-8	40.336419	-104.565342	NC	0.5
BH01R@8-9'	12/18/2024	8-9	40.336419	-104.565342	NC	0.3
BH01R@10-11'	12/18/2024	10-11	40.336419	-104.565342	NC	0.2
SS07R@6-7'	1/13/2025	6-7	40.336419	-104.565294	0.9	5.1
SS07R@7-8'	1/13/2025	7-8	40.336419	-104.565294	0.9	15.7
SS07R@8-9'	1/13/2025	8-9	40.336419	-104.565294	0.9	4.7
SS07R@10-11'	1/13/2025	10-11	40.336419	-104.565294	0.9	0.6
SS07R@11-12'	1/13/2025	11-12	40.336419	-104.565294	0.9	0.9
BH02R@6-7'	1/13/2025	6-7	40.336482	-104.565329	1.0	1.0
BH02R@7-8'	1/13/2025	7-8	40.336482	-104.565329	1.0	1.1
BH02R@8-9'	1/13/2025	8-9	40.336482	-104.565329	1.0	0.7
BH02R@10-11'	1/13/2025	10-11	40.336482	-104.565329	1.0	0.6
BH02R@11-12'	1/13/2025	11-12	40.336482	-104.565329	1.0	0.8
BH03R@6-7'	1/13/2025	6-7	40.336432	-104.565219	0.9	0.8
BH03R@7-8'	1/13/2025	7-8	40.336432	-104.565219	0.9	0.7
BH03R@8-9'	1/13/2025	8-9	40.336432	-104.565219	0.9	0.5
BH03R@10-11'	1/13/2025	10-11	40.336432	-104.565219	0.9	0.6
BH03R@11-12'	1/13/2025	11-12	40.336432	-104.565219	0.9	0.6
BH04R@6-7'	1/13/2025	6-7	40.336352	-104.565347	1.0	0.4
BH04R@7-8'	1/13/2025	7-8	40.336352	-104.565347	1.0	0.4
BH04R@8-9'	1/13/2025	8-9	40.336352	-104.565347	1.0	0.7
BH04R@10-11'	1/13/2025	10-11	40.336352	-104.565347	1.0	0.6

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
BH04R@11-12'	1/13/2025	11-12	40.336352	-104.565347	1.0	0.6
BH05R@6-7'	1/13/2025	6-7	40.336440	-104.565477	0.8	0.8
BH05R@7-8'	1/13/2025	7-8	40.336440	-104.565477	0.8	0.9
BH05R@8-9'	1/13/2025	8-9	40.336440	-104.565477	0.8	0.7
BH05R@10-11'	1/13/2025	10-11	40.336440	-104.565477	0.8	0.6
BH05R@11-12'	1/13/2025	11-12	40.336440	-104.565477	0.8	0.9
BH06@11-12'	1/13/2025	11-12	40.336102	-104.565401	0.8	209
BH06@12-13'	1/13/2025	12-13	40.336102	-104.565401	0.8	138
BG01@0-1'	3/1/2022	0-1	40.336402	-104.565478	1.1	0.0
BG01@2-3'	3/1/2022	2-3	40.336402	-104.565478	1.1	0.0
BG01@6'	3/1/2022	6	40.336402	-104.565478	1.1	0.0
BG01@7'	3/1/2022	7	40.336402	-104.565478	1.1	0.0
BG01@10-12'	3/1/2022	10-12	40.336402	-104.565478	1.1	0.0
BG02@0-1'	1/13/2025	0-1	40.336231	-104.565616	0.9	0.5
BG02@2-3'	1/13/2025	2-3	40.336231	-104.565616	0.9	0.5
BG02@6-7'	1/13/2025	6-7	40.336231	-104.565616	0.9	0.7
BG02@7-8'	1/13/2025	7-8	40.336231	-104.565616	0.9	0.7
BG02@8-9'	1/13/2025	8-9	40.336231	-104.565616	0.9	0.6
BG02@10-11'	1/13/2025	10-11	40.336231	-104.565616	0.9	0.7
BG02@11-12'	1/13/2025	11-12	40.336231	-104.565616	0.9	0.6
BG03@0-1'	1/13/2025	0-1	40.336334	-104.565718	1.0	0.3
BG03@2-3'	1/13/2025	2-3	40.336334	-104.565718	1.0	0.4
BG03@6-7'	1/13/2025	6-7	40.336334	-104.565718	1.0	0.5
BG03@7-8'	1/13/2025	7-8	40.336334	-104.565718	1.0	0.7
BG03@8-9'	1/13/2025	8-9	40.336334	-104.565718	1.0	0.7
BG03@10-11'	1/13/2025	10-11	40.336334	-104.565718	1.0	0.8
BG03@11-12'	1/13/2025	11-12	40.336334	-104.565718	1.0	0.9
BG04@0-1'	1/13/2025	0-1	40.336436	-104.565784	0.8	0.5
BG04@2-3'	1/13/2025	2-3	40.336436	-104.565784	0.8	0.5
BG04@6-7'	1/13/2025	6-7	40.336436	-104.565784	0.8	0.5
BG04@7-8'	1/13/2025	7-8	40.336436	-104.565784	0.8	0.6
BG04@8-9'	1/13/2025	8-9	40.336436	-104.565784	0.8	0.7
BG04@10-11'	1/13/2025	10-11	40.336436	-104.565784	0.8	0.5
BG04@11-12'	1/13/2025	11-12	40.336436	-104.565784	0.8	0.7
BG05@0-1'	1/13/2025	0-1	40.336102	-104.565678	0.8	0.5
BG05@2-3'	1/13/2025	2-3	40.336102	-104.565678	0.8	0.5
BG05@6-7'	1/13/2025	6-7	40.336102	-104.565678	0.8	0.5
BG05@7-8'	1/13/2025	7-8	40.336102	-104.565678	0.8	0.7
BG05@8-9'	1/13/2025	8-9	40.336102	-104.565678	0.8	0.7
BG05@10-11'	1/13/2025	10-11	40.336102	-104.565678	0.8	0.5
BG05@11-12'	1/13/2025	11-12	40.336102	-104.565678	0.8	0.5

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
Samples collected under the Burman C05-23D Flowline (REM #23516, API #05-123-34338)						
BKG02@2-3'	11/26/2024	2-3	40.338740	-104.567844	1.0	0.0
BKG02@3-4'	11/26/2024	3-4	40.338740	-104.567844	1.0	0.0
BKG02@5-6'	11/26/2024	5-6	40.338740	-104.567844	1.0	0.0
BKG03@2-3'	11/26/2024	2-3	40.338393	-104.567849	0.9	0.0
BKG03@3-4'	11/26/2024	3-4	40.338393	-104.567849	0.9	0.0
BKG03@5-6'	11/26/2024	5-6	40.338393	-104.567849	0.9	0.0
BKG04@2-3'	11/26/2024	2-3	40.338215	-104.568842	0.9	0.2
BKG04@3-4'	11/26/2024	3-4	40.338215	-104.568842	0.9	0.3
BKG04@5-6'	11/26/2024	5-6	40.338215	-104.568842	0.9	0.1
BKG05@2-3'	11/26/2024	2-3	40.338636	-104.568871	0.9	0.3
BKG05@3-4'	11/26/2024	3-4	40.338636	-104.568871	0.9	0.5
BKG05@5-6'	11/26/2024	5-6	40.338636	-104.568871	0.9	0.5
BKG06@2-3'	11/26/2024	2-3	40.339052	-104.568873	0.9	0.3
BKG06@3-4'	11/26/2024	3-4	40.339052	-104.568873	0.9	0.3
BKG06@5-6'	11/26/2024	5-6	40.339052	-104.568873	0.9	0.4

Notes:

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

ft. = Feet

bgs = Below ground surface

NC = Not collected

Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
REISTAD 1 TANK BATTERY, WELD COUNTY, COLORADO
REM # 17666

Sample ID	Sample Date	Depth (ft. bgs)	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**		
AST01@0.5'	7/8/2021	0.5	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	<0.200	<50	<200
Sep01-FL01-B@3'	7/8/2021	3	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
Sep01-DL01@3'	7/8/2021	3	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS01@2.5'	7/8/2021	2.5	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS03@2.5'	7/8/2021	2.5	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS04@2.5'	7/8/2021	2.5	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS05@2.5'	7/8/2021	2.5	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
FS01@7'	7/8/2021	7	**0.145**	0.0469	0.00806	0.0154	0.00312	*<0.00200*	*<0.00067*	*<50*	0.220	*<50*	*<200*
SS06@6'	7/8/2021	6	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS07@6'	7/8/2021	6	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS08@6'	7/8/2021	6	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
SS09@6'	7/8/2021	6	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00200*	*<0.00067*	*<50*	*<0.200*	*<50*	*<200*
BH01@2-3'	10/15/2021	2-3	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH01@6-8'	10/15/2021	6-8	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	0.0054	**0.042**	**0.010**	*<50*	1.6	*<50*	*<50*
BH01@10-12'	10/15/2021	10-12	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH02@2-3'	10/15/2021	2-3	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH02@10-12'	10/15/2021	10-12	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH03@2-3'	10/15/2021	2-3	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH03@10-12'	10/15/2021	10-12	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH04@2-3'	10/15/2021	2-3	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH04@10-12'	10/15/2021	10-12	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH05@2-3'	10/15/2021	2-3	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH05@10-12'	10/15/2021	10-12	*<0.00200*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<0.50*	*<50*	*<50*
BH01R@6-7'	12/18/2024	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH01R@7-8'	12/18/2024	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH01R@8-9'	12/18/2024	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH01R@10-11'	12/18/2024	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
SS07R@6-7'	1/13/2025	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
SS07R@7-8'	1/13/2025	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
SS07R@8-9'	1/13/2025	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
SS07R@10-11'	1/13/2025	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
SS07R@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH02R@6-7'	1/13/2025	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH02R@7-8'	1/13/2025	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH02R@8-9'	1/13/2025	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH02R@10-11'	1/13/2025	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH02R@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH03R@6-7'	1/13/2025	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*

Sample ID	Sample Date	Depth (ft. bgs)	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**		
BH03R@7-8'	1/13/2025	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH03R@8-9'	1/13/2025	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH03R@10-11'	1/13/2025	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH03R@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH04R@6-7'	1/13/2025	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH04R@7-8'	1/13/2025	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH04R@8-9'	1/13/2025	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH04R@10-11'	1/13/2025	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH04R@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH05R@6-7'	1/13/2025	6-7	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH05R@7-8'	1/13/2025	7-8	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH05R@8-9'	1/13/2025	8-9	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH05R@10-11'	1/13/2025	10-11	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH05R@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<50*	*<50*	*<0.50*	*<50*
BH06@11-12'	1/13/2025	11-12	*<0.0020*	*<0.0050*	0.22	1.0	**0.91**	**0.58**	**0.039**	202	160	42	*<50*
BH06@12-13'	1/13/2025	12-13	*<0.0020*	*<0.0050*	**2.7**	**28**	**19**	**12**	**0.18**	**1,687**	**990**	**600**	**97**

Notes:

1. **Bold** values 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).
3. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg.

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
REISTAD 1 TANK BATTERY, WELD COUNTY, COLORADO
REM # 17666

Sample ID	Sample Date	Depth (ft. bgs)	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	1,800	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
AST01@0.5'	7/8/2021	0.5	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
Sep01-FL01-B@3'	7/8/2021	3	*<0.00067*	*<0.00067*	0.0020	0.0021	0.0025	0.0014	0.0028	*<0.00067*	0.0031	*<0.00067*	0.0011	0.0029	*<0.00067*	*<0.00067*
Sep01-DL01@3'	7/8/2021	3	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS01@2.5'	7/8/2021	2.5	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS03@2.5'	7/8/2021	2.5	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS04@2.5'	7/8/2021	2.5	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS05@2.5'	7/8/2021	2.5	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
FS01@7'	7/8/2021	7	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*	*<0.00335*
SS06@6'	7/8/2021	6	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS07@6'	7/8/2021	6	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS08@6'	7/8/2021	6	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	0.00038	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
SS09@6'	7/8/2021	6	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*	*<0.00067*
BH01R@6-7'	12/18/2024	6-7	*<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*
BH01R@7-8'	12/18/2024	7-8	*<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*
BH01R@8-9'	12/18/2024	8-9	*<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*
BH01R@10-11'	12/18/2024	10-11	*<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*
SS07R@6-7'	1/13/2025	6-7	*<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*
SS07R@7-8'	1/13/2025	7-8	*<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*
SS07R@8-9'	1/13/2025	8-9	*<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*
SS07R@10-11'	1/13/2025	10-11	*<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*
SS07R@11-12'	1/13/2025	11-12	*<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*
BH02R@6-7'	1/13/2025	6-7	*<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*
BH02R@7-8'	1/13/2025	7-8	*<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*
BH02R@8-9'	1/13/2025	8-9	*<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*
BH02R@10-11'	1/13/2025	10-11	*<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*
BH02R@11-12'	1/13/2025	11-12	*<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*
BH03R@6-7'	1/13/2025	6-7	*<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*
BH03R@7-8'	1/13/2025	7-8	*<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*
BH03R@8-9'	1/13/2025	8-9	*<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*
BH03R@10-11'	1/13/2025	10-11	*<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*
BH03R@11-12'	1/13/2025	11-12	*<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*
BH04R@6-7'	1/13/2025	6-7	*<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*
BH04R@7-8'	1/13/2025	7-8	*<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*
BH04R@8-9'	1/13/2025	8-9	*<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*
BH04R@10-11'	1/13/2025	10-11	*<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*
BH04R@11-12'	1/13/2025	11-12	*<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*
BH05R@6-7'	1/13/2025	6-7	*<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*
BH05R@7-8'	1/13/2025	7-8	*<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*
BH05R@8-9'	1/13/2025	8-9	*<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*
BH05R@10-11'	1/13/2025	10-11	*<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*
BH05R@11-12'	1/13/2025	11-12	*<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*
BH06@11-12'	1/13/2025	11-12	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	**0.0103**	**0.0292**
BH06@12-13'	1/13/2025	12-13	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	**0.262**	**0.656**

Sample ID	Sample Date	Depth (ft. bgs)	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	1,800	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

1. **Bold** values 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)

(<) = Analytical result is less than the indicated laboratory reporting limit.

SSL = Soil screening Level

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY, INC. - 100322
REISTAD 1 TANK BATTERY, WELD COUNTY, COLORADO
REM # 17666

Sample ID	Sample Date	Depth (ft. bgs)	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
AST01@0.5'	7/8/2021	0.5	**9.33**	0.506	**15.9**	*<0.200*
Sep01-FL01-B@3'	7/8/2021	3	8.15	0.259	0.165	*<0.200*
Sep01-DL01@3'	7/8/2021	3	8.05	0.390	0.503	0.220
SS01@2.5'	7/8/2021	2.5	8.01	0.470	0.238	*<0.199*
SS03@2.5'	7/8/2021	2.5	8.05	0.538	0.203	0.220
SS04@2.5'	7/8/2021	2.5	8.12	0.361	0.262	0.317
SS05@2.5'	7/8/2021	2.5	7.78	0.935	1.67	0.832
FS01@7'	7/8/2021	7	7.12	**6.42**	**20.5**	**4.53**
SS06@6'	7/8/2021	6	8.05	0.402	0.343	0.218
SS07@6'	7/8/2021	6	7.80	**6.03**	**20.5**	**3.42**
SS08@6'	7/8/2021	6	7.98	0.766	1.60	0.477
SS09@6'	7/8/2021	6	8.24	0.381	0.171	0.281
BH01@2-3'	10/15/2021	2-3	8.00	1.38	3.50	0.112
BH01@6-8'	10/15/2021	6-8	8.29	2.41	**14.6**	0.234
BH01@10-12'	10/15/2021	10-12	7.93	2.49	4.05	0.120
BH02@2-3'	10/15/2021	2-3	8.21	0.433	0.182	0.0400
BH02@10-12'	10/15/2021	10-12	8.14	0.344	2.94	0.154
BH03@2-3'	10/15/2021	2-3	7.99	0.898	1.53	0.0302
BH03@10-12'	10/15/2021	10-12	8.11	0.839	4.49	0.0942
BH04@2-3'	10/15/2021	2-3	7.88	3.00	0.171	0.118
BH04@10-12'	10/15/2021	10-12	7.91	0.147	1.76	0.194
BH05@2-3'	10/15/2021	2-3	8.13	2.56	5.99	0.235
BH05@10-12'	10/15/2021	10-12	8.10	1.81	4.64	0.0661
BH01R@6-7'	12/18/2024	6-7	8.23	0.633	**6.26**	**2.96**
BH01R@7-8'	12/18/2024	7-8	**8.34**	1.70	**12.2**	**2.25**
BH01R@8-9'	12/18/2024	8-9	**8.78**	1.55	**14.0**	**3.00**
BH01R@10-11'	12/18/2024	10-11	7.52	1.55	4.64	*<2.00*
SS07R@6-7'	1/13/2025	6-7	**5.34**	1.06	**23.1**	**2.21**
SS07R@7-8'	1/13/2025	7-8	**5.10**	2.11	**11.1**	**3.55**
SS07R@8-9'	1/13/2025	8-9	7.34	2.30	**23.5**	**2.13**
SS07R@10-11'	1/13/2025	10-11	6.98	2.46	5.72	*<2.00*
SS07R@11-12'	1/13/2025	11-12	6.64	0.841	3.72	*<2.00*
BH02R@6-7'	1/13/2025	6-7	**8.36**	0.155	0.531	*<2.00*
BH02R@7-8'	1/13/2025	7-8	8.26	0.0701	0.359	*<2.00*
BH02R@8-9'	1/13/2025	8-9	7.81	0.108	0.882	*<2.00*
BH02R@10-11'	1/13/2025	10-11	**8.49**	0.0877	0.486	*<2.00*
BH02R@11-12'	1/13/2025	11-12	**8.88**	0.0848	2.59	*<2.00*
BH03R@6-7'	1/13/2025	6-7	7.81	0.958	0.331	*<2.00*
BH03R@7-8'	1/13/2025	7-8	7.54	0.695	2.42	*<2.00*
BH03R@8-9'	1/13/2025	8-9	7.07	0.176	1.21	*<2.00*
BH03R@10-11'	1/13/2025	10-11	7.41	0.190	1.73	*<2.00*
BH03R@11-12'	1/13/2025	11-12	7.63	0.329	3.32	*<2.00*
BH04R@6-7'	1/13/2025	6-7	7.59	0.594	0.538	*<2.00*
BH04R@7-8'	1/13/2025	7-8	8.16	0.330	2.45	*<2.00*

Sample ID	Sample Date	Depth (ft. bgs)	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
BH04R@8-9'	1/13/2025	8-9	**8.35**	0.257	2.85	*<2.00*
BH04R@10-11'	1/13/2025	10-11	**8.99**	0.284	0.788	*<2.00*
BH04R@11-12'	1/13/2025	11-12	**8.53**	0.119	1.17	*<2.00*
BH05R@6-7'	1/13/2025	6-7	**8.49**	0.472	4.26	*<2.00*
BH05R@7-8'	1/13/2025	7-8	7.73	0.540	4.40	*<2.00*
BH05R@8-9'	1/13/2025	8-9	7.84	0.636	**6.75**	*<2.00*
BH05R@10-11'	1/13/2025	10-11	7.46	0.611	5.95	*<2.00*
BH05R@11-12'	1/13/2025	11-12	7.88	0.636	**6.22**	*<2.00*
BH06@11-12'	1/13/2025	11-12	8.26	0.394	3.69	*<2.00*
BH06@12-13'	1/13/2025	12-13	8.07	0.324	3.11	*<2.00*
BG01@0-1'	3/1/2022	0-1	7.78	*NA*	3.10	*NA*
BG01@6'	3/1/2022	6	8.05	0.784	0.798	0.708
BG01@7'	3/1/2022	7	*NA*	0.766	0.728	0.660
BG02@0-1'	1/13/2025	0-1	8.52	0.106	0.0570	*<2.00*
BG02@2-3'	1/13/2025	2-3	8.70	0.178	0.299	*<2.00*
BG02@6-7'	1/13/2025	6-7	7.85	0.421	2.08	*<2.00*
BG02@7-8'	1/13/2025	7-8	7.66	0.545	3.59	*<2.00*
BG02@8-9'	1/13/2025	8-9	7.91	0.622	4.05	*<2.00*
BG02@10-11'	1/13/2025	10-11	7.39	0.412	3.00	*<2.00*
BG02@11-12'	1/13/2025	11-12	8.56	0.367	3.12	*<2.00*
BG03@0-1'	1/13/2025	0-1	8.04	0.490	1.50	*<2.00*
BG03@2-3'	1/13/2025	2-3	8.38	0.768	1.87	*<2.00*
BG03@6-7'	1/13/2025	6-7	8.37	0.807	6.06	*<2.00*
BG03@7-8'	1/13/2025	7-8	7.84	0.435	4.27	*<2.00*
BG03@8-9'	1/13/2025	8-9	7.76	0.610	6.02	*<2.00*
BG03@10-11'	1/13/2025	10-11	7.38	0.404	3.78	*<2.00*
BG03@11-12'	1/13/2025	11-12	8.15	0.580	4.51	*<2.00*
BG04@0-1'	1/13/2025	0-1	8.09	0.200	0.151	*<2.00*
BG04@2-3'	1/13/2025	2-3	8.31	1.36	2.84	*<2.00*
BG04@6-7'	1/13/2025	6-7	7.76	1.22	3.01	*<2.00*
BG04@7-8'	1/13/2025	7-8	8.14	0.792	4.98	*<2.00*
BG04@8-9'	1/13/2025	8-9	7.65	0.530	4.91	*<2.00*
BG04@10-11'	1/13/2025	10-11	7.36	0.402	4.11	*<2.00*
BG04@11-12'	1/13/2025	11-12	7.32	0.556	4.10	*<2.00*
BG05@0-1'	1/13/2025	0-1	7.42	0.0345	0.0381	*<2.00*
BG05@2-3'	1/13/2025	2-3	8.80	0.0697	0.0454	*<2.00*
BG05@6-7'	1/13/2025	6-7	8.90	0.0865	0.129	*<2.00*
BG05@7-8'	1/13/2025	7-8	8.90	0.0588	0.311	*<2.00*
BG05@8-9'	1/13/2025	8-9	7.08	0.211	2.17	*<2.00*
BG05@10-11'	1/13/2025	10-11	7.26	0.415	2.96	*<2.00*
BG05@11-12'	1/13/2025	11-12	7.70	0.458	2.44	*<2.00*

Sample ID	Sample Date	Depth (ft. bgs)	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
Samples collected under the Burman C05-23D Flowline (REM #23516, API #05-123-34338)						
BKG02@2-3'	11/26/2024	2-3	9.02	0.340	1.97	*<2.00*
BKG02@3-4'	11/26/2024	3-4	8.53	1.38	5.34	*<2.00*
BKG02@5-6'	11/26/2024	5-6	8.70	0.966	4.73	*<2.00*
BKG03@2-3'	11/26/2024	2-3	8.46	4.48	10.4	*<2.00*
BKG03@3-4'	11/26/2024	3-4	8.58	2.96	10.5	*<2.00*
BKG03@5-6'	11/26/2024	5-6	8.41	2.77	9.47	*<2.00*
BKG04@2-3'	11/26/2024	2-3	8.64	2.69	7.30	*<2.00*
BKG05@2-3'	11/26/2024	2-3	8.52	1.67	7.79	*<2.00*
BKG05@3-4'	11/26/2024	3-4	8.69	2.67	9.29	*<2.00*
BKG05@5-6'	11/26/2024	5-6	8.56	3.47	9.91	*<2.00*
BKG06@2-3'	11/26/2024	2-3	8.12	0.0711	0.382	*<2.00*
BKG06@3-4'	11/26/2024	3-4	8.17	0.0986	0.227	*<2.00*
BKG06@5-6'	11/26/2024	5-6	8.68	0.0930	1.04	*<2.00*
Maximum Background Concentration			9.02	4.48	10.5	0.708

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations.

2. **Bold** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

3. Brown highlighted soil analytical values indicate a regulatory exceedance.

NA = Not analyzed

ECMC = Colorado Energy & Carbon Management Commission

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligram per liter

(<) = Analytical result is less than the indicated laboratory reporting limit.

ft. = Feet

bgs = Below ground surface

Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
REISTAD 1 TANK BATTERY, WELD COUNTY, COLORADO
REM # 17666

Sample ID	Sample Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI)[4] (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	15,000	71	0.3	3,100	400	1,500	390	390	23,000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FS01@7'	7/8/2021	7	**4.17**	31.0	*<0.250*	*<0.488*	11.5	9.13	6.25	**0.317**	*<0.250*	61.9
BH01@6-8'	10/15/2021	6-8	**11.4**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	**0.696**	*NA*	*NA*
BH05@2-3'	10/15/2021	2-3	**3.61**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	**1.73**	*NA*	*NA*
BH05@10-12'	10/15/2021	10-12	**3.99**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	**1.14**	*NA*	*NA*
BH01R@6-7'	12/18/2024	6-7	**4.22**	32.1	0.299	*<0.30**	8.44	**14.4**	4.83	*<0.260*	0.0376	31.4
BH01R@7-8'	12/18/2024	7-8	**7.21**	39.7	0.204	*<0.30**	3.66	**19.8**	4.40	*<0.260*	*<0.0200*	33.2
BH01R@8-9'	12/18/2024	8-9	**12.1**	31.9	*<0.200*	*<0.30**	3.95	5.07	2.36	*<0.260*	*<0.0200*	17.3
BH01R@10-11'	12/18/2024	10-11	**3.31**	11.5	0.338	*<0.30**	5.49	7.83	7.37	*<0.260*	0.0492	35.3
SS07R@6-7'	1/13/2025	6-7	**7.71**	27.5	*<0.200*	*<0.30**	7.51	13.4	3.98	*<0.260*	0.0258	40.7
SS07R@7-8'	1/13/2025	7-8	**4.14**	15.7	*<0.200*	*<0.30**	2.95	4.62	2.52	*<0.260*	*<0.0200*	27.6
SS07R@8-9'	1/13/2025	8-9	**5.02**	16.6	*<0.200*	*<0.30**	2.40	1.69	0.742	*<0.260*	*<0.0200*	3.94
SS07R@10-11'	1/13/2025	10-11	**5.59**	18.3	0.266	*<0.30**	5.90	8.14	7.34	*<0.260*	0.0223	47.9
SS07R@11-12'	1/13/2025	11-12	**3.34**	36.8	**0.444**	*<0.30**	7.15	12.9	16.1	*<0.260*	0.0296	67.7
BH02R@6-7'	1/13/2025	6-7	**5.09**	60.5	0.268	*<0.30**	7.06	**23.7**	11.7	*<0.260*	0.0205	46.6
BH02R@7-8'	1/13/2025	7-8	**12.5**	14.5	*<0.200*	*<0.30**	3.96	2.74	2.05	*<0.260*	*<0.0200*	22.5
BH02R@8-9'	1/13/2025	8-9	**8.68**	15.0	0.223	*<0.30**	7.26	11.9	2.10	*<0.260*	0.0791	12.3
BH02R@10-11'	1/13/2025	10-11	**3.72**	11.3	0.219	*<0.30**	4.43	10.9	5.36	*<0.260*	0.0279	17.7
BH02R@11-12'	1/13/2025	11-12	**2.88**	49.0	**1.02**	*<0.30**	8.78	**18.8**	16.5	*<0.260*	0.0268	51.1
BH03R@6-7'	1/13/2025	6-7	**4.59**	23.9	*<0.200*	*<0.30**	6.78	6.54	3.58	*<0.260*	0.0243	42.2
BH03R@7-8'	1/13/2025	7-8	**13.7**	65.4	*<0.200*	*<0.30**	3.54	**14.6**	1.28	*<0.260*	0.0261	10.6
BH03R@8-9'	1/13/2025	8-9	**51.7**	27.9	0.319	*<0.30**	7.45	7.92	3.85	*<0.260*	0.0394	29.1
BH03R@10-11'	1/13/2025	10-11	**6.96**	16.2	0.272	*<0.30**	5.29	9.69	10.4	*<0.260*	0.0223	62.2
BH03R@11-12'	1/13/2025	11-12	**1.84**	13.9	**0.413**	*<0.30**	8.19	13.3	6.05	*<0.260*	0.0789	19.3
BH04R@6-7'	1/13/2025	6-7	**8.02**	21.0	*<0.200*	*<0.30**	7.49	11.7	3.81	*<0.260*	0.0256	40.2
BH04R@7-8'	1/13/2025	7-8	**7.41**	25.9	*<0.200*	*<0.30**	3.14	7.93	1.48	*<0.260*	*<0.0200*	12.7
BH04R@8-9'	1/13/2025	8-9	**26.2**	49.3	0.297	*<0.30**	6.32	10.1	3.11	*<0.260*	0.0416	22.8
BH04R@10-11'	1/13/2025	10-11	**6.40**	14.9	0.254	*<0.30**	5.44	8.41	10.5	*<0.260*	0.0213	78.0
BH04R@11-12'	1/13/2025	11-12	**4.25**	21.3	**0.429**	*<0.30**	8.76	11.5	9.96	*<0.260*	0.0265	45.3
BH05R@6-7'	1/13/2025	6-7	**9.66**	31.2	0.217	*<0.30**	6.19	**17.0**	3.11	**0.282**	0.0365	23.3
BH05R@7-8'	1/13/2025	7-8	**1.54**	8.32	0.241	*<0.30**	6.23	5.23	1.42	*<0.260*	0.0658	1.45
BH05R@8-9'	1/13/2025	8-9	**7.37**	14.7	0.276	*<0.30**	5.03	11.3	7.70	*<0.260*	0.0291	42.4
BH05R@10-11'	1/13/2025	10-11	**4.90**	11.6	0.263	*<0.30**	4.57	6.95	7.53	*<0.260*	*<0.0200*	24.3
BH05R@11-12'	1/13/2025	11-12	**3.34**	16.8	0.256	*<0.30**	6.25	10.7	8.38	*<0.260*	0.0200	32.4
BH06@11-12'	01/13/2025	11-12	**3.94**	11.3	*<0.200*	*<0.30**	4.34	7.50	5.34	*<0.260*	*<0.0200*	37.5
BH06@12-13'	01/13/2025	12-13	**2.55**	12.2	0.278	*<0.30**	4.13	8.11	6.86	*<0.260*	*<0.0200*	24.9

Sample ID	Sample Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI)[4] (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	15,000	71	0.3	3,100	400	1,500	390	390	23,000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BG01@2-3'	3/1/2022	2-3	3.60	NA	NA	NA	NA	NA	NA	0.374	NA	NA
BG01@7'	3/1/2022	7	4.49	NA	NA	NA	NA	NA	NA	0.279	NA	NA
BG01@10-12'	3/1/2022	10-12	0.929	NA	NA	NA	NA	NA	NA	0.240	NA	NA
BG02@0-1'	1/13/2025	0-1	17.3	93.1	0.361	*<0.30**	8.61	11.1	9.72	*<0.260*	0.0672	23.9
BG02@2-3'	1/13/2025	2-3	5.92	149	0.322	*<0.30**	7.65	14.6	8.97	*<0.260*	0.0310	47.2
BG02@6-7'	1/13/2025	6-7	6.21	20.1	*<0.200*	*<0.30**	2.80	6.03	1.59	*<0.260*	*<0.0200*	9.61
BG02@7-8'	1/13/2025	7-8	3.61	15.4	*<0.200*	*<0.30**	3.76	7.91	7.13	*<0.260*	*<0.0200*	32.2
BG02@8-9'	1/13/2025	8-9	6.15	18.1	0.287	*<0.30**	5.35	10.3	7.82	*<0.260*	0.0210	49.1
BG02@10-11'	1/13/2025	10-11	6.74	7.68	*<0.200*	*<0.30**	4.37	5.80	5.12	*<0.260*	*<0.0200*	23.4
BG02@11-12'	1/13/2025	11-12	2.18	17.7	0.276	*<0.30**	5.59	10.3	7.01	*<0.260*	*<0.0200*	31.5
BG03@0-1'	1/13/2025	0-1	3.86	31.6	*<0.200*	*<0.30**	4.95	7.88	6.28	*<0.260*	0.0215	26.4
BG03@2-3'	1/13/2025	2-3	3.77	138	0.353	*<0.30**	7.19	14.3	9.01	*<0.260*	0.0289	39.8
BG03@6-7'	1/13/2025	6-7	6.08	21.4	*<0.200*	*<0.30**	8.42	6.79	1.73	*<0.260*	*<0.0200*	10.5
BG03@7-8'	1/13/2025	7-8	2.56	11.2	0.337	*<0.30**	9.81	9.28	2.58	*<0.260*	0.0817	3.51
BG03@8-9'	1/13/2025	8-9	5.38	16.1	0.244	*<0.30**	4.58	8.92	8.61	*<0.260*	*<0.0200*	39.7
BG03@10-11'	1/13/2025	10-11	2.29	14.4	*<0.200*	*<0.30**	5.80	11.7	5.95	*<0.260*	0.0217	28.4
BG03@11-12'	1/13/2025	11-12	3.50	16.7	0.268	*<0.30**	6.43	9.58	6.84	*<0.260*	0.0218	33.1
BG04@0-1'	1/13/2025	0-1	4.71	77.2	0.263	*<0.30**	6.09	11.1	6.37	*<0.260*	0.0361	25.7
BG04@2-3'	1/13/2025	2-3	3.69	167	0.702	*<0.30**	6.40	12.3	7.06	0.538	0.0459	45.6
BG04@6-7'	1/13/2025	6-7	8.59	11.9	0.275	*<0.30**	7.87	9.92	2.84	*<0.260*	0.0359	25.2
BG04@7-8'	1/13/2025	7-8	1.06	19.4	*<0.200*	*<0.30**	2.19	5.54	1.50	*<0.260*	*<0.0200*	6.47
BG04@8-9'	1/13/2025	8-9	9.70	43.7	0.303	*<0.30**	5.56	23.1	1.47	0.352	0.0768	6.69
BG04@10-11'	1/13/2025	10-11	7.64	16.4	0.335	*<0.30**	4.83	8.05	4.77	*<0.260*	0.0241	36.6
BG04@11-12'	1/13/2025	11-12	4.37	9.89	0.286	*<0.30**	7.52	8.31	6.61	*<0.260*	0.0270	34.5
BG05@0-1'	1/13/2025	0-1	2.45	57.3	0.294	*<0.30**	5.21	8.06	4.74	*<0.260*	0.0346	20.9
BG05@2-3'	1/13/2025	2-3	2.06	36.3	*<0.200*	*<0.30**	3.92	5.07	5.16	*<0.260*	0.0270	19.7
BG05@6-7'	1/13/2025	6-7	5.47	23.5	0.203	*<0.30**	6.62	8.88	2.14	*<0.260*	0.0307	17.0
BG05@7-8'	1/13/2025	7-8	0.745	12.1	*<0.200*	*<0.30**	1.83	5.64	0.435	*<0.260*	*<0.0200*	2.12
BG05@8-9'	1/13/2025	8-9	1.64	7.72	*<0.200*	*<0.30**	6.77	2.06	0.964	*<0.260*	0.0443	3.56
BG05@10-11'	1/13/2025	10-11	4.70	19.1	0.371	*<0.30**	4.25	9.34	8.59	*<0.260*	0.0246	50.1
BG05@11-12'	1/13/2025	11-12	1.17	54.2	0.375	*<0.30**	6.36	7.65	3.87	*<0.260*	0.0710	18.2

Sample ID	Sample Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI)[4] (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	15,000	71	0.3	3,100	400	1,500	390	390	23,000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Samples collected under the Burman C05-23D Flowline (REM #23516, API #05-123-34338)												
BKG02@2-3'	11/26/2024	2-3	3.48	108	0.266	*<0.30**	3.94	6.80	4.63	*<0.260*	0.0307	18.5
BKG02@3-4'	11/26/2024	3-4	4.08	33.9	*<0.200*	*<0.30**	3.51	7.93	5.03	*<0.260*	0.0253	23.7
BKG02@5-6'	11/26/2024	5-6	5.52	24.7	*<0.200*	*<0.30**	5.25	14.5	5.91	*<0.260*	0.0500	32.4
BKG03@2-3'	11/26/2024	2-3	3.41	68.2	0.236	*<0.30**	4.03	5.25	4.74	*<0.260*	0.0471	20.5
BKG03@3-4'	11/26/2024	3-4	4.46	82.0	0.308	*<0.30**	5.09	9.23	6.87	*<0.260*	0.0363	25.8
BKG03@5-6'	11/26/2024	5-6	3.13	89.5	0.281	*<0.30**	4.55	8.85	5.86	*<0.260*	0.0385	22.1
BKG04@2-3'	11/26/2024	2-3	2.82	61.1	0.308	*<0.30**	5.21	7.02	5.95	*<0.260*	0.0389	22.5
BKG04@3-4'	11/26/2024	3-4	1.67	32.6	0.200	*<0.30**	4.40	6.27	4.03	*<0.260*	0.0280	21.5
BKG04@5-6'	11/26/2024	5-6	1.33	16.7	<0.200	*<0.30**	2.92	3.78	2.89	*<0.260*	*<0.0200*	13.4
BKG05@2-3'	11/26/2024	2-3	3.39	159	0.351	*<0.30**	6.83	15.2	4.42	0.285	0.0953	30.0
BKG05@3-4'	11/26/2024	3-4	4.24	65.4	0.578	*<0.30**	10.2	22.2	8.76	0.511	0.0658	48.1
BKG05@5-6'	11/26/2024	5-6	8.01	31.1	0.616	*<0.30**	10.7	18.0	8.96	2.32	0.0711	57.8
BKG06@2-3'	11/26/2024	2-3	2.11	78.9	0.245	*<0.30**	5.13	7.16	5.23	*<0.260*	0.0278	20.8
BKG06@3-4'	11/26/2024	3-4	2.89	72.1	0.261	*<0.30**	5.39	6.67	5.18	*<0.260*	0.0326	23.3
BKG06@5-6'	11/26/2024	5-6	2.34	40.0	*<0.200*	*<0.30**	4.30	5.65	5.34	*<0.260*	0.0281	17.9
1.25x Maximum Background Concentration			12.1	-	0.878	-	-	28.9	-	2.90	-	-

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.

2. **Bold** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

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

4. Compound falls within ECMC Table 915-1 Footnote 9.

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

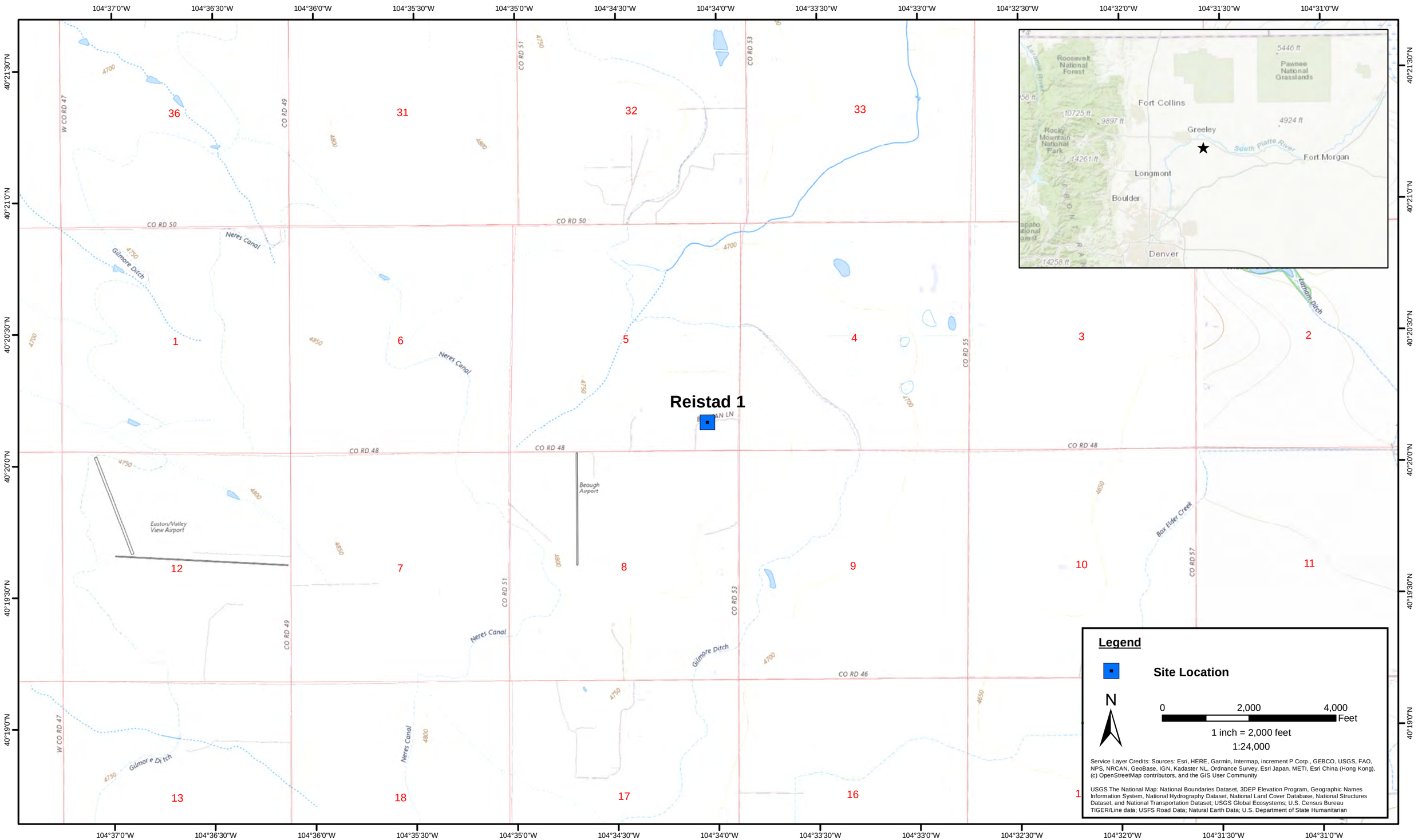
mg/kg = Milligrams per kilogram

ft. = Feet

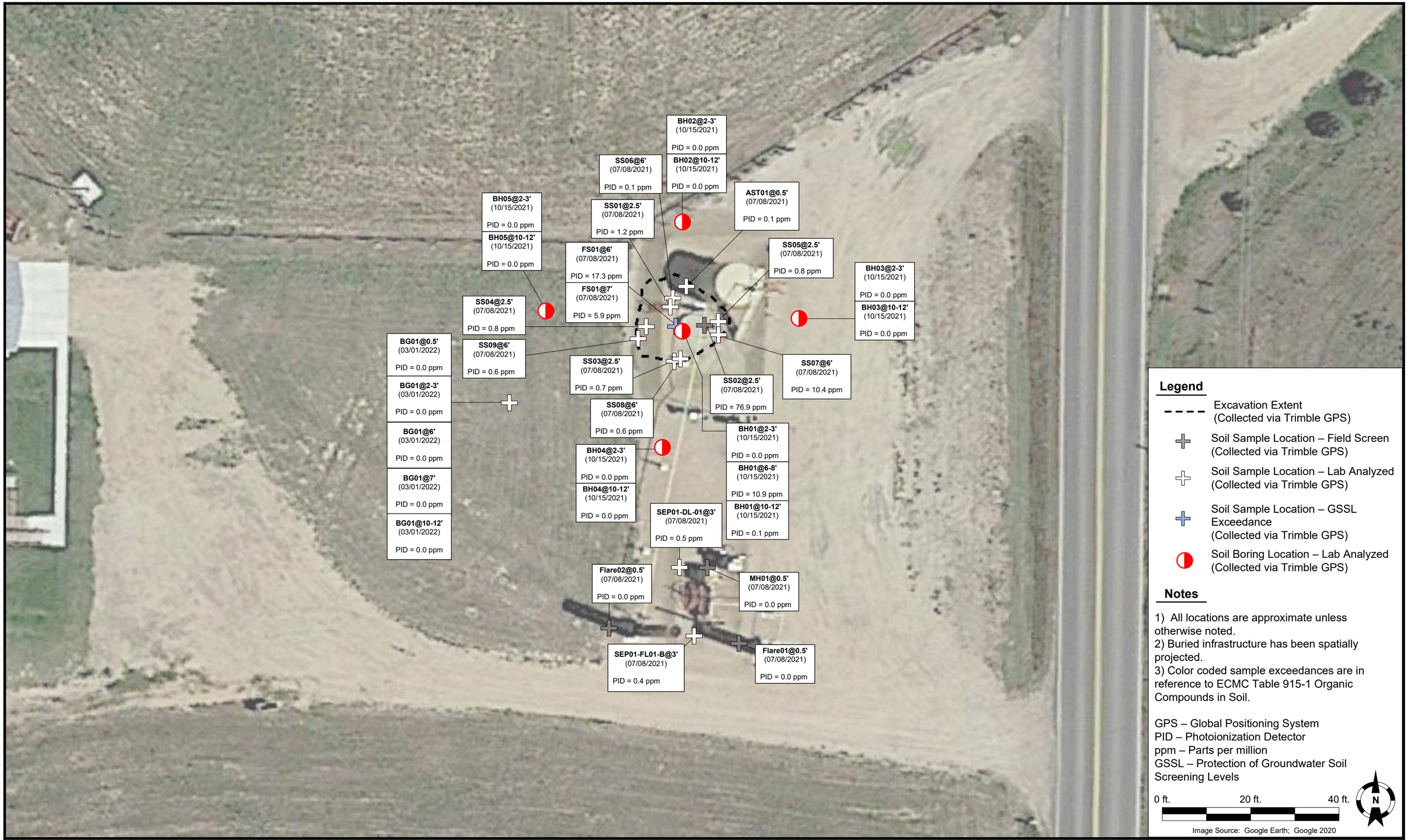
bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL

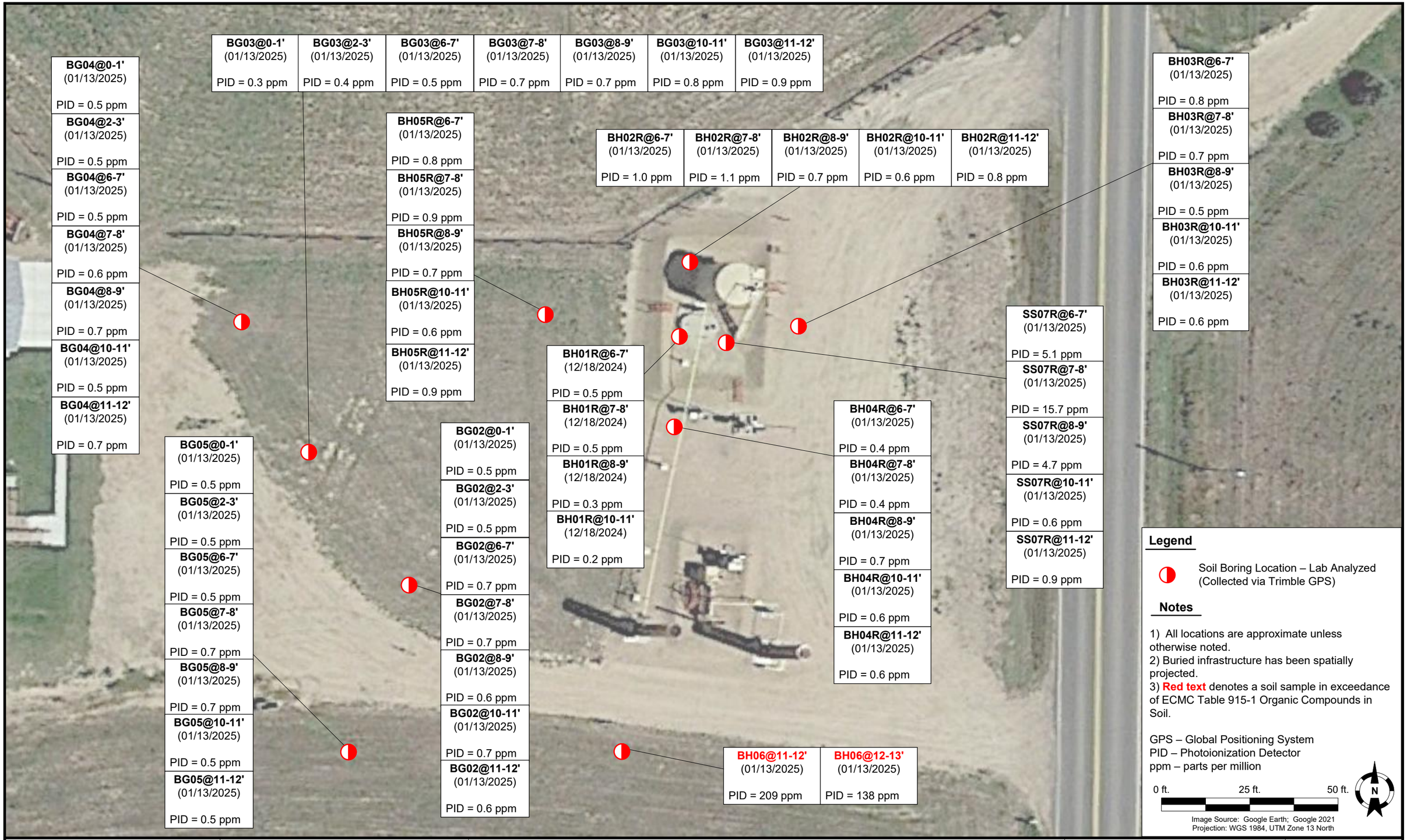
NA = Not analyzed



DATE: February 2025 DESIGNED BY: J. Whritenour DRAWN BY: J. Woffinden	Tasman, Inc. 4725 Independence Street Wheat Ridge, CO 80033	**Noble Energy, Inc. - 100322 - DJ Basin** **Reistad 1** SESE, Section 5 Township 4 North, Range 64 West Weld County, Colorado	Site Location Map	Figure 1



DATE: May 29, 2025 DESIGNED BY: J. Whritenour DRAWN BY: S. Anderson	**Tasman, Inc.** 4725 Independence Street Wheat Ridge, CO 80033	**Noble Energy, Inc. – 100322** **Reistad 1 Tank Battery** SESE, Section 5, Township 4 North, Range 64 West Weld County, Colorado	SOIL SAMPLE LOCATION MAP (TANK BATTERY)	FIGURE 2



Legend

Soil Boring Location – Lab Analyzed (Collected via Trimble GPS)

Notes

1) All locations are approximate unless otherwise noted.
2) Buried infrastructure has been spatially projected.
3) **Red text** denotes a soil sample in exceedance of ECMC Table 915-1 Organic Compounds in Soil.

GPS – Global Positioning System
PID – Photoionization Detector
ppm – parts per million

0 ft. 25 ft. 50 ft.

N

Image Source: Google Earth; Google 2021
Projection: WGS 1984, UTM Zone 13 North

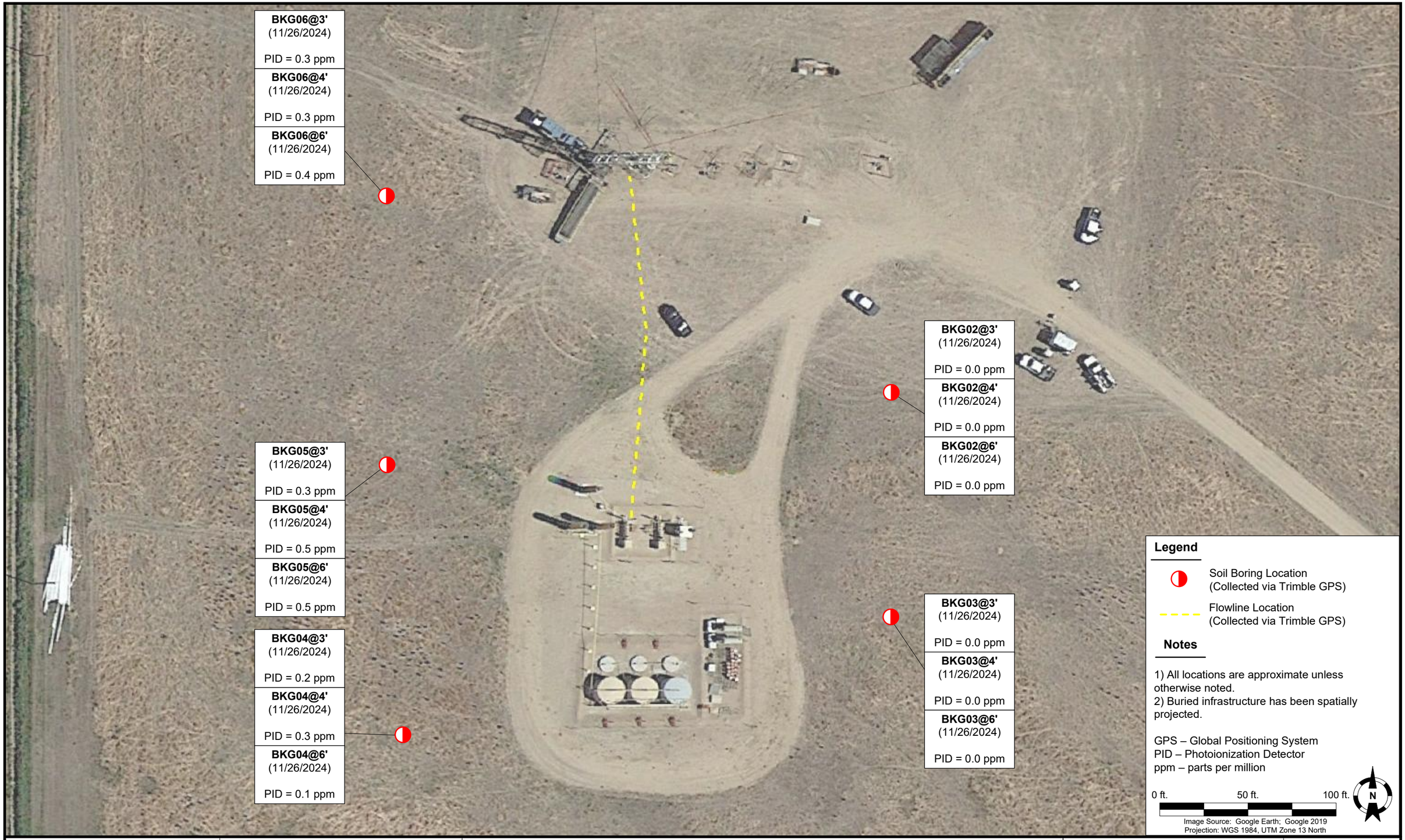
DATE:	May 29, 2025
DESIGNED BY:	J. Whritenour
DRAWN BY:	S. Anderson

Tasman, Inc.
4725 Independence Street
Wheat Ridge, CO 80033

Noble Energy, Inc. – 100322
Reistad 1 Tank Battery
SESE, Section 5, Township 4 North, Range 64 West
Weld County, Colorado

SOIL SAMPLE LOCATION MAP (TANK BATTERY)

FIGURE 3



DATE:	May 29, 2025
DESIGNED BY:	J. Whritenour
DRAWN BY:	S. Anderson

Tasman, Inc.
4725 Independence Street
Wheat Ridge, CO 80033

Noble Energy, Inc. – 100322
Burman C05-23D Flowline
NESE, Section 5, Township 4 North, Range 64 West
Weld County, Colorado

BACKGROUND SOIL SAMPLE LOCATION MAP

FIGURE 4

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** SS07R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** SS07
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336419
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565294
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded sand, fine to medium grain, dry, medium, no staining, no odor	SW			0
			Light grey, well graded sand with clay, fine to medium grain, dry, medium, no staining, no odor	SC			
			No Recovery	NA			
5			Brown, well graded sand, fine to medium grain, dry, medium, no staining, no odor	SC			5
			Grey, clay, medium plasticity, dry, organic staining, odor	CL			
10							10

Drilling / Sample Method:

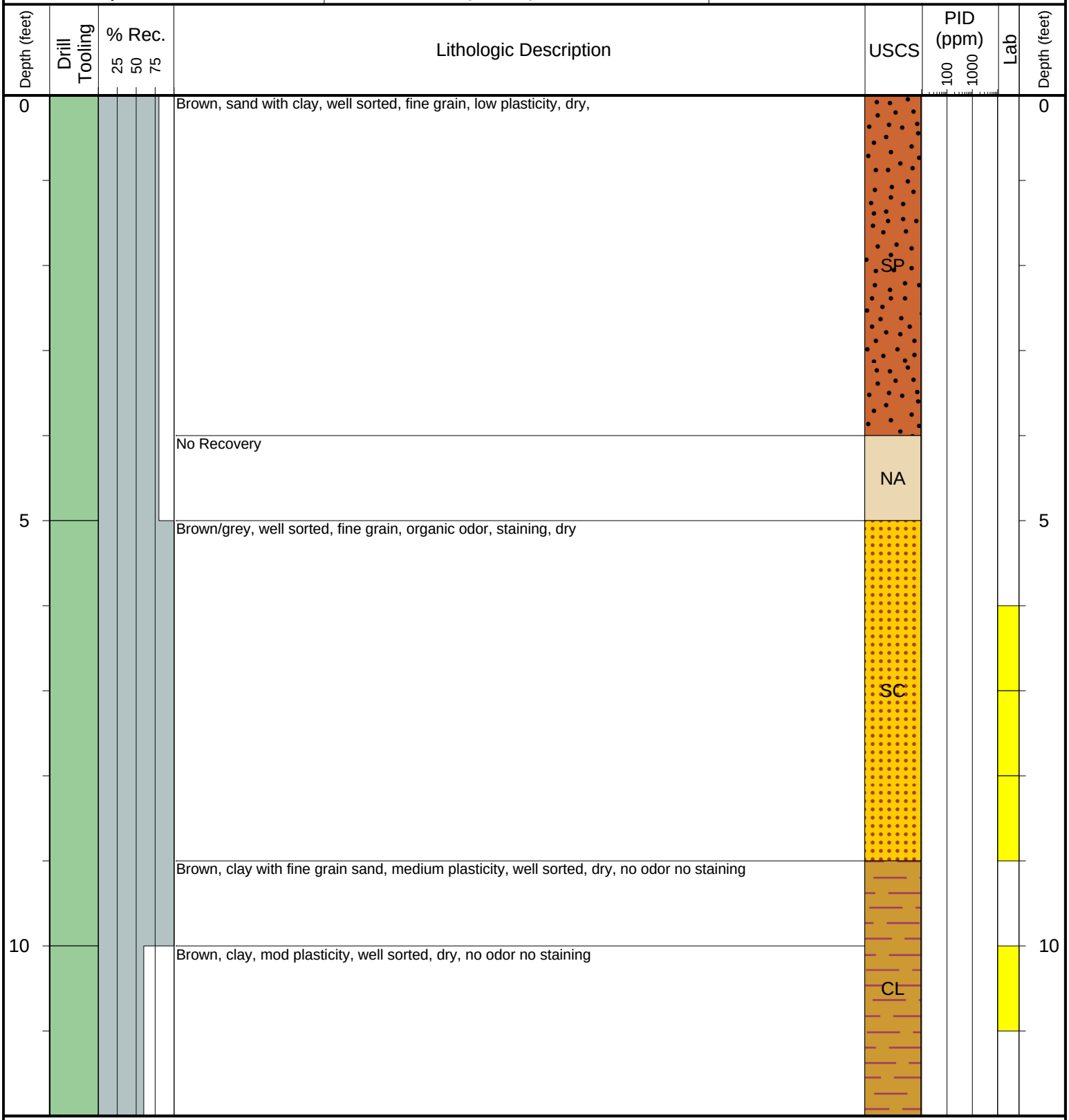
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: Sam Anderson	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH01R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** BH01
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336419
DATE STARTED - COMPLETED: 12/18/24 - 12/18/24	**LONGITUDE (NAD 83):** -104.565342
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil



Drilling / Sample Method:

- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH02R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** BH02
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336482
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565329
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded sand, fine to medium grain, medium, dry, no staining no odor	SW			0
			Well graded sand with clay, light tan, fine to medium grain, medium, dry, no staining no odor	SC			
			No Recovery	NA			
5			Brown, clay with orange mottling, medium plasticity, dry, no odor, no staining	CL			5
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH03R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** BH03
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336432
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565219
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded, sand, fine to medium grain, dry medium, no staining, no odor	SW			0
			Light tan, well graded, sand with clay, fine to medium grain, dry medium, no staining, no odor	SC			
			No recovery	NA			
5			Light tan, well graded, sand with clay, fine to medium grain, dry medium, no staining, no odor	SC			5
			Tan, clay with orange mottling, dry, medium plasticity, no staining, no odor	CL			
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH04R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** BH04
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336352
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565347
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded, sand, fine to medium grain, medium, dry, no staining, no odor	SW			0
			Brown, well graded, sand with clay, fine to medium grain, medium, dry, no staining, no odor	SC			
			No Recovery	NA			
5			Grey with orange mottling, well graded, sand with clay, fine to medium grain, medium, dry, no staining, no odor	SC			5
			Light Brown, clay with orange mottling, medium plasticity, moist, no odor, no staining'	CL			
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH05R
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** BH05
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336440
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565477
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded, sand, fine to medium grain, dry no staining, no odor, medium	SW			0
			Light tan, well graded, sand with clay, fine to medium grain, dry no staining, no odor, medium	SC			
			No Recovery	NA			
5			Brown, well graded, sand with clay, fine to medium grain, dry no staining, no odor, medium	SC			5
			Brown, clay, with orange mottling, dry, medium plasticity, no staining, no odor	CL			
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BH06
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** South of facility
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336102
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565401
TOTAL WELL DEPTH (FT. BGS): 13	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded sand, fine to medium grain, medium, dry, no staining, no odor	SW			0
			Light tan, well graded sand with clay, fine to medium grain, medium, dry, no staining, no odor	SC			
			No Recovery	NA			
5			Light tan with orange mottling, well graded sand with clay, fine to medium grain, medium, dry, no staining, no odor	SC			5
			Grey, clay with orange mottling, medium plasticity, dry, no staining, no odor	CL			
10			Grey, clay with orange mottling, medium plasticity, dry, no staining, hydrocarbon odor				10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BG02
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** Southwest of facility
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336231
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565616
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded, sand, medium, dry, fine to medium grain, no staining, no odor	SW			0
			Light tan, well graded, sand with clay, medium, dry, fine to medium grain, no staining, no odor	SC			
			No Recovery	NA			
5			Brown with orange mottling, well graded, sand with clay, medium, dry, fine to medium grain, no staining, no odor	SC			5
			Brown, clay with orange mottling, medium plasticity, dry, no staining, no odor	CL			
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BG03
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** West of facility
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336334
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565718
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded sand, medium fine to medium grain, dry, no staining no odor	SW			0
			Light tan, well graded sand with clay, medium fine to medium grain, dry, no staining no odor	SC			
			No Recovery	NA			
5			Brown with orange mottling, well graded sand with clay, medium fine to medium grain, dry, no staining no odor	SC			5
			Brown with orange mottling, clay, medium plasticity, dry, no staining no odor	CL			
10			Brown, clay, medium plasticity, dry, no staining no odor				10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BG04
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** West of facility
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336436
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565784
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25 50 75)	Lithologic Description	USCS	PID (ppm) (100 1000)	Lab	Depth (feet)
0	Macro-Core		Well graded, brown, sand, dry, medium, fine to medium grain, no staining, no odor	SW		Analytical Chemistry Lab	0
	Macro-Core		Well graded, light tan, sand with clay, dry, medium, fine to medium grain, no staining, no odor	SC		Analytical Chemistry Lab	
	Macro-Core		No Recovery	NA			
5	Macro-Core		Brown with orange mottling, well graded, sand with clay, dry, medium, fine to medium grain, no staining, no odor	SC		Analytical Chemistry Lab	5
	Macro-Core		Brown, clay with orange mottling, dry, medium plasticity, no staining, no odor	CL		Analytical Chemistry Lab	
	Macro-Core		No Recovery	NA			
10	Macro-Core		Brown, clay with orange mottling, dry, medium plasticity, no staining, no odor	CL		Analytical Chemistry Lab	10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Reistad 1 Tank Battery**
LOGGED BY: McKenzie Reynolds	
PROJECT MANAGER: Daniel Simpson	**BORING ID:** BG05
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Geoprobe	**LOCATION:** South of facility
DRILL BIT SIZE (INCHES): 3	**LATITUDE (NAD 83):** 40.336102
DATE STARTED - COMPLETED: 1/13/25 - 1/13/25	**LONGITUDE (NAD 83):** -104.565678
TOTAL WELL DEPTH (FT. BGS): 12	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Encountered	**ABANDONMENT METHOD:** Native Soil

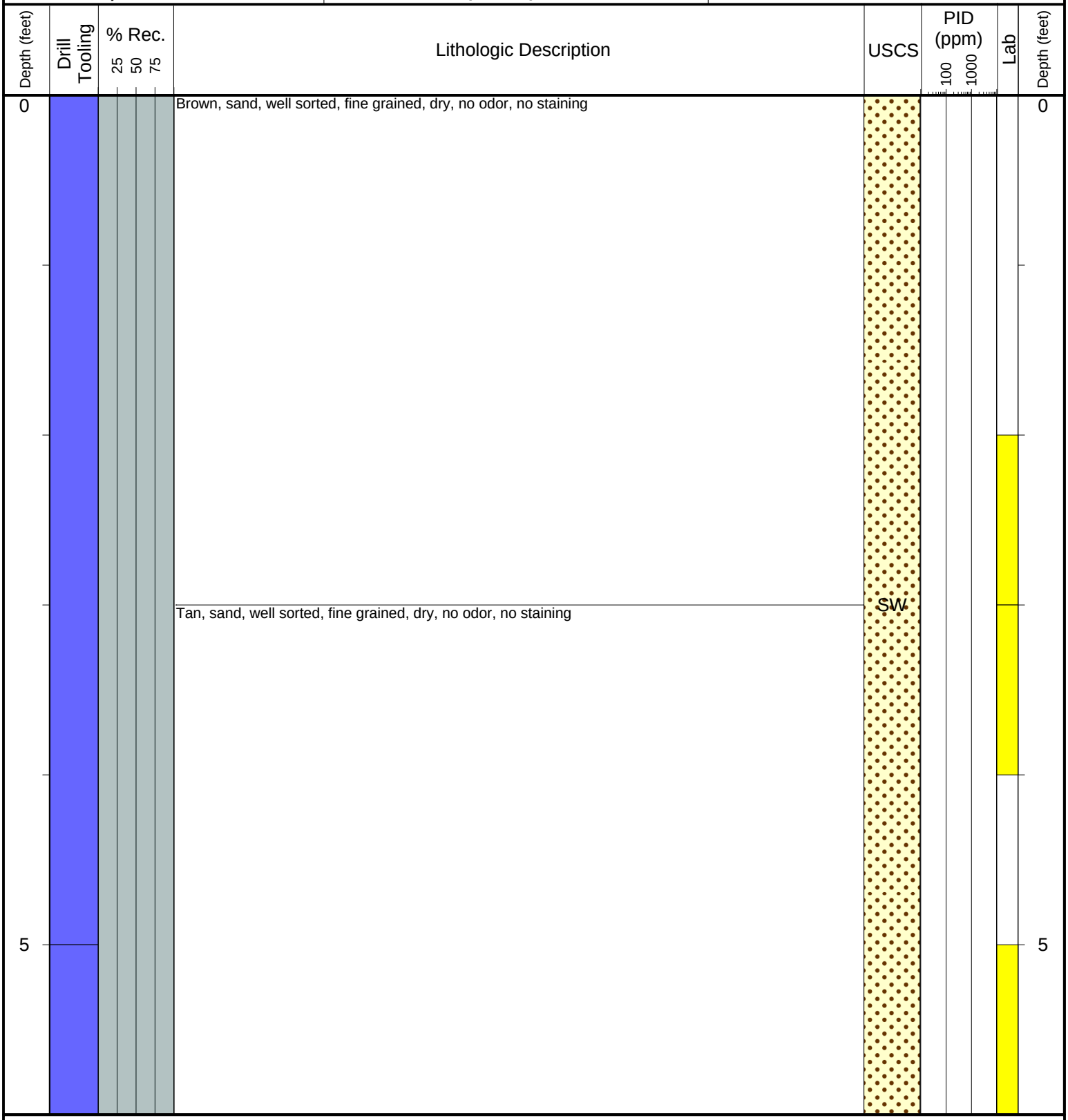
Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, well graded, sand, dry, medium, fine to medium grain, no staining, no odor	SW			0
			Light tan, well graded, sand with clay, dry, medium, fine to medium grain, no staining, no odor	SC			
			No Recovery	NA			
5			Light tan, well graded, sand with clay, dry, medium, fine to medium grain, no staining, no odor	SC			5
			Brown, clay with orange mottling, medium plasticity, dry, no staining, no odor	CL			
10							10

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Burman C05-23D**
LOGGED BY: Shannon Walus, Emily Lambert	
PROJECT MANAGER: Bryce Goldade	**BORING ID:** BKG02
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger	**LOCATION:** Weld County, CO
DRILL BIT SIZE (INCHES): 2.375	**LATITUDE (NAD 83):** 40.33874
DATE STARTED - COMPLETED: 11/26/24-11/26/24	**LONGITUDE (NAD 83):** -104.567844
TOTAL WELL DEPTH (FT. BGS): 6	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Measured	**ABANDONMENT METHOD:** Native Soil



Drilling / Sample Method:

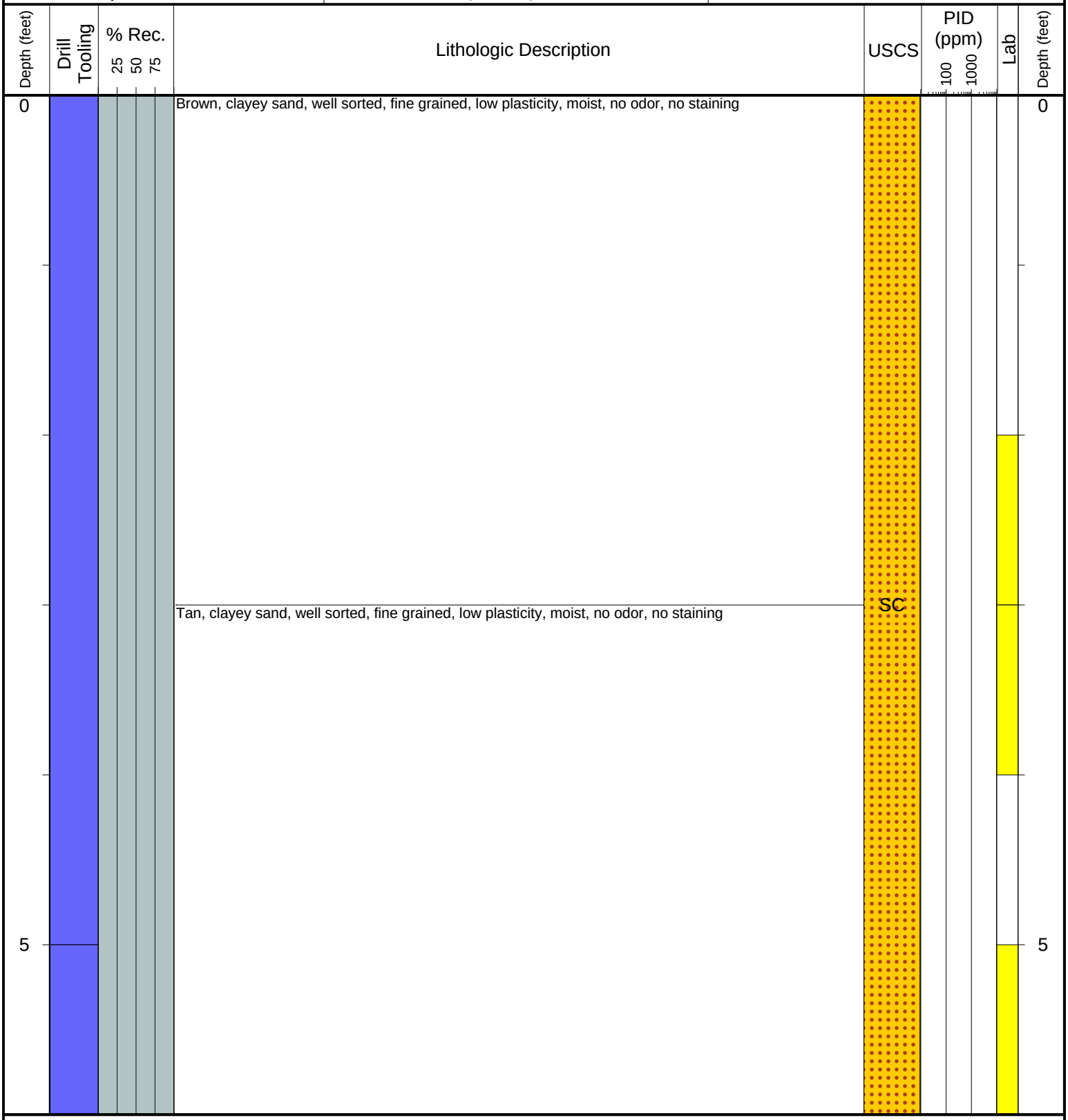
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Burman C05-23D**
LOGGED BY: Shannon Walus, Emily Lambert	
PROJECT MANAGER: Bryce Goldade	**BORING ID:** BKG03
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger	**LOCATION:** Weld County, CO
DRILL BIT SIZE (INCHES): 2.375	**LATITUDE (NAD 83):** 40.338393
DATE STARTED - COMPLETED: 11/26/24-11/26/24	**LONGITUDE (NAD 83):** -104.567849
TOTAL WELL DEPTH (FT. BGS): 6	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Measured	**ABANDONMENT METHOD:** Native Soil



Drilling / Sample Method:

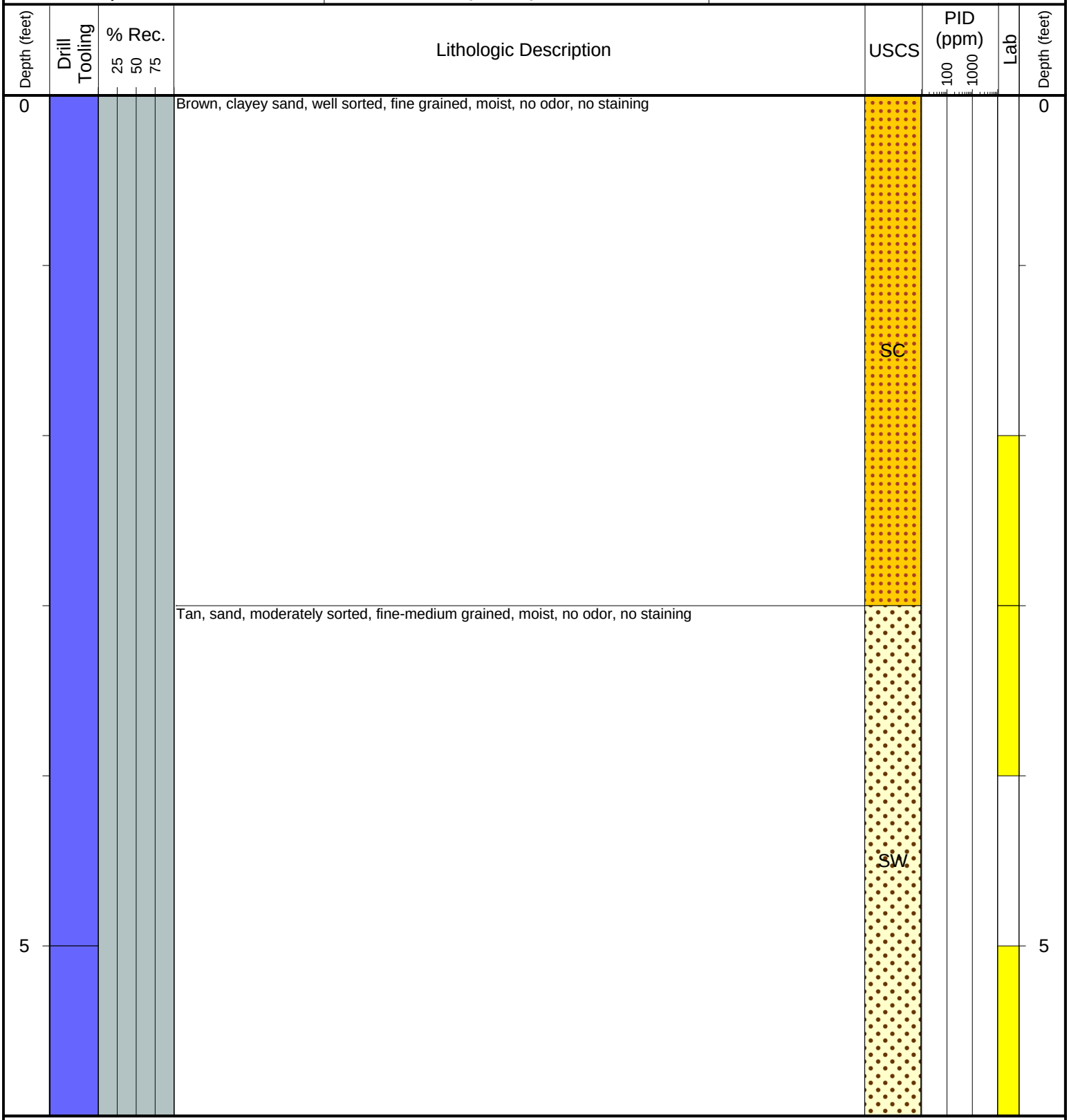
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Burman C05-23D**
LOGGED BY: Shannon Walus, Emily Lambert	
PROJECT MANAGER: Bryce Goldade	**BORING ID:** BKG04
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger	**LOCATION:** Weld County, CO
DRILL BIT SIZE (INCHES): 2.375	**LATITUDE (NAD 83):** 40.338215
DATE STARTED - COMPLETED: 11/26/24-11/26/24	**LONGITUDE (NAD 83):** -104.568842
TOTAL WELL DEPTH (FT. BGS): 6	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Measured	**ABANDONMENT METHOD:** Native Soil

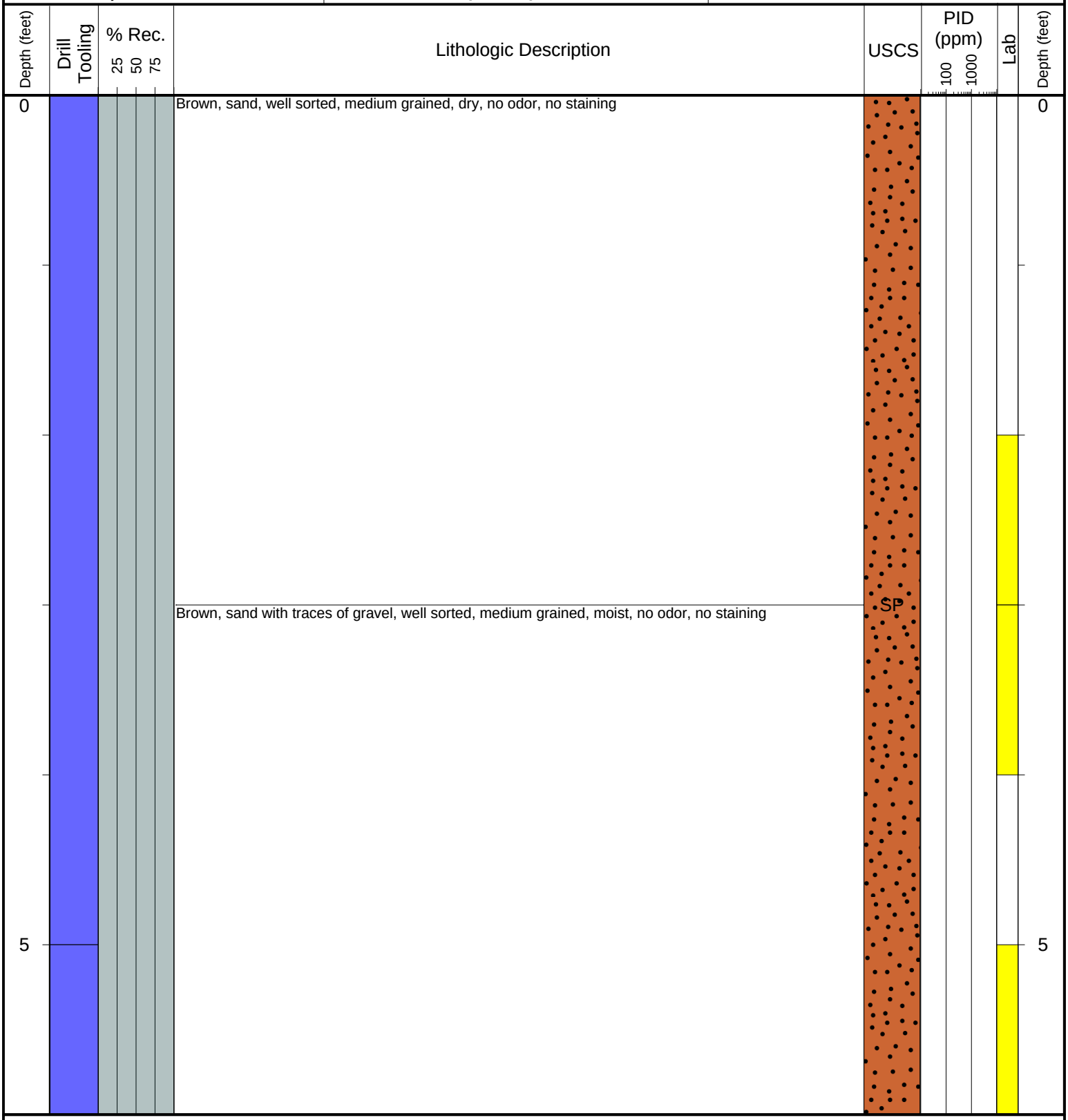


Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Burman C05-23D**
LOGGED BY: Shannon Walus, Emily Lambert	
PROJECT MANAGER: Bryce Goldade	**BORING ID:** BKG05
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger	**LOCATION:** Weld County, CO
DRILL BIT SIZE (INCHES): 2.375	**LATITUDE (NAD 83):** 40.338636
DATE STARTED - COMPLETED: 11/26/24-11/26/24	**LONGITUDE (NAD 83):** -104.568871
TOTAL WELL DEPTH (FT. BGS): 6	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Measured	**ABANDONMENT METHOD:** Native Soil



Drilling / Sample Method:

- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab

6855 W. 119th Ave.
Broomfield, CO 80020

CLIENT: Noble	**Burman C05-23D**
LOGGED BY: Shannon Walus, Emily Lambert	
PROJECT MANAGER: Bryce Goldade	**BORING ID:** BKG06
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger	**LOCATION:** Weld County, CO
DRILL BIT SIZE (INCHES): 2.375	**LATITUDE (NAD 83):** 40.339052
DATE STARTED - COMPLETED: 11/26/24-11/26/24	**LONGITUDE (NAD 83):** -104.568873
TOTAL WELL DEPTH (FT. BGS): 6	**GROUND ELEVATION (FT. AMSL):** Not Measured
DEPTH TO WATER (FT. BGS): Not Measured	**ABANDONMENT METHOD:** Native Soil

Depth (feet)	Drill Tooling	% Rec. (25, 50, 75)	Lithologic Description	USCS	PID (ppm) (100, 1000)	Lab	Depth (feet)
0			Brown, sand, moderately sorted, fine-medium grain, moist, no odor, no staining	SW			0
5							5

Drilling / Sample Method:
- Macro-Core
- Expendable Well Tip
- Hand Auger
- HydroPunch Groundwater Sampler

Laboratory Sample Types:
- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab