

**SITE ASSESSMENT REPORT**  
**KASTNER 41-03 FLOWLINE**  
ECMC SPILL TRACKING # 479965  
ECMC REMEDIATION # 17229

Prepared for:



2115 117th Avenue  
Greeley, CO 80631

Prepared by:



6855 W. 119<sup>th</sup> Ave  
Broomfield, CO 80020

## **TABLES**

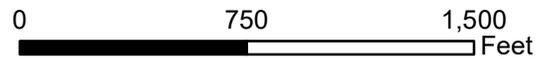
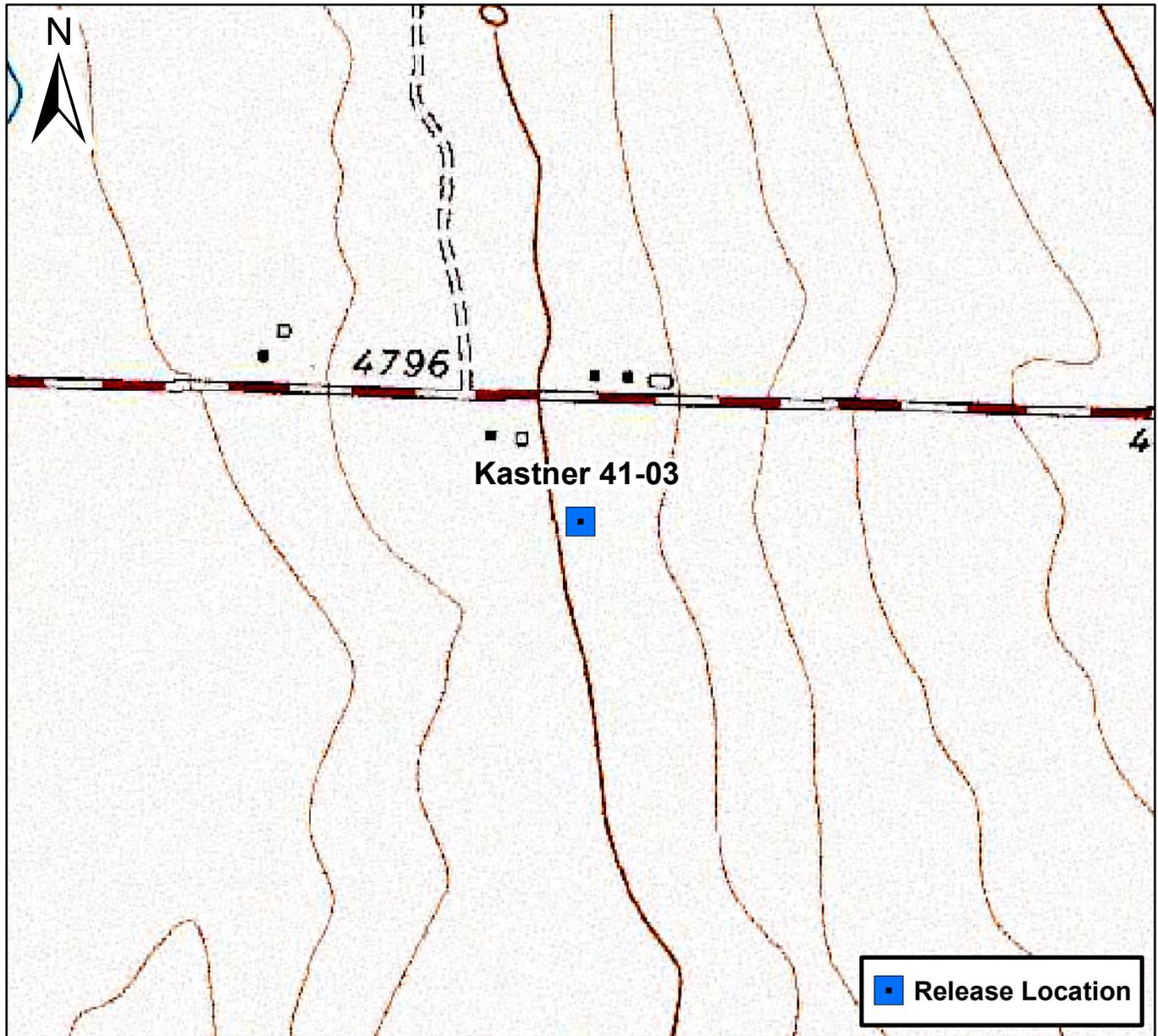
TABLE 1  
SOIL ANALYTICAL DATA  
NOBLE ENERGY, INC. - KASTNER 41-03 FLOWLINE

Soil Sample ID	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4 - TMB (mg/kg)	1,3,5 - TMB (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benz(a) (mg/kg)	Benzo(a) (mg/kg)	Benzo(b) (mg/kg)	Benzo(k) (mg/kg)	Chrysene (mg/kg)	A,H (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	Pyrene (mg/kg)	1-M (mg/kg)	2-M (mg/kg)
Residential SSL <sup>1,2</sup>		1.2	490	5.8	58	30	27	2	500			360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
Protection of Groundwater SSL <sup>1,2,3</sup>		0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500			0.55	6	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
FL01-B@4'	04/28/21	<0.0020	0.0063	0.0085	0.15	0.013	0.26	0.0049	21	96	<50	<0.00500	0.0273	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00559	0.0112	<0.00500	0.00506	0.0286	0.0600
BH01@4'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH01@12'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH02@4'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH02@12'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH03@4'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH03@12'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH04@4'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH04@12'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	0.0056	<0.50	<50	<50	<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@4'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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@13-14'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH05@4'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH05@12'	08/12/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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@4'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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@13-14'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH07@4'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH07@13-14'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH08@4'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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
BH08@13-14'	12/21/21	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<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

Soil Sample ID	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
SSR <sup>1,2</sup>		6 - 8.3	<6	<4mmhos/cm	2
FL01-B@4'	04/28/21	8.38	0.297	0.576	0.0683
BH01@4'	08/12/21	8.09	0.851	0.321	0.0919
BH01@12'	08/12/21	8.15	0.958	0.728	0.0429
BH02@4'	08/12/21	8.04	0.622	0.495	0.0544
BH02@12'	08/12/21	7.98	0.747	0.968	0.0819
BH03@4'	08/12/21	8.04	0.567	0.930	0.0605
BH03@12'	08/12/21	8.02	0.565	0.645	0.0452
BH04@4'	08/12/21	8.15	0.390	0.472	0.0668
BH04@12'	08/12/21	8.09	0.649	0.477	0.0881
BH04R@4'	12/21/21	8.79	NA	NA	NA
BH04R@13-14'	12/21/21	8.44	NA	NA	NA
BH05@4'	08/12/21	7.94	0.227	0.826	0.128
BH05@12'	08/12/21	8.31	0.363	0.342	0.0421
BH06@4'	12/21/21	7.94	NA	NA	NA
BH06@13-14'	12/21/21	8.48	NA	NA	NA
BH07@4'	12/21/21	8.51	NA	NA	NA
BH07@13-14'	12/21/21	8.35	NA	NA	NA
BH08@4'	12/21/21	8.69	NA	NA	NA
BH08@13-14'	12/21/21	8.57	NA	NA	NA
BG01@4'	08/12/21	7.50	NA	NA	NA
BG02@4'	09/13/22	7.76	NA	NA	NA
BG02@8'	09/13/22	8.08	NA	NA	NA
BG03@4'	09/13/22	7.77	NA	NA	NA
BG03@8'	09/13/22	8.06	NA	NA	NA
BG04@4'	09/13/22	7.83	NA	NA	NA
BG04@8'	09/13/22	7.94	NA	NA	NA
BG05@4'	09/13/22	8.14	NA	NA	NA
BG05@8'	09/13/22	8.11	NA	NA	NA
BG06@4'	09/13/22	8.17	NA	NA	NA
BG06@8'	09/13/22	8.04	NA	NA	NA
Highest Background		8.17	-	-	-

Soil Sample ID	Date	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)
Residential SSL <sup>1,2</sup>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Protection of Groundwater		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BH01@4'	08/12/21	2.86	63.5	<0.223	<0.30	5.07	7.09	5.13	0.631	0.0252	24.4
BG01@4'	08/12/21	2.86	64.4	<0.207	<0.30	4.74	5.08	5.09	0.682	0.0252	23.0
BG02@4'	09/13/22	4.37	NA	NA	NA	NA	NA	NA	0.572	NA	NA
BG02@8'	09/13/22	2.99	NA	NA	NA	NA	NA	NA	0.355	NA	NA
BG03@4'	09/13/22	2.84	NA	NA	NA	NA	NA	NA	0.493	NA	NA
BG03@8'	09/13/22	2.25	NA	NA	NA	NA	NA	NA	0.433	NA	NA
BG04@4'	09/13/22	3.44	NA	NA	NA	NA	NA	NA	0.675	NA	NA
BG04@8'	09/13/22	3.15	NA	NA	NA	NA	NA	NA	0.682	NA	NA
BG05@4'	09/13/22	4.69	NA	NA	NA	NA	NA	NA	0.730	NA	NA
BG05@8'	09/13/22	3.52	NA	NA	NA	NA	NA	NA	0.846	NA	NA
BG06@4'	09/13/22	2.85	NA	NA	NA	NA	NA	NA	0.692	NA	NA
BG06@8'	09/13/22	3.75	NA	NA	NA	NA	NA	NA	0.622	NA	NA
Mean Background Concentration		3.34	-	-	-	-	-	-	0.617	-	-
Mean Background x1.25		4.17	-	-	-	-	-	-	0.771	-	-
Highest Background		4.69	-	-	-	-	-	-	0.846	-	-
Highest Background x1.25		5.86	-	-	-	-	-	-	1.06	-	-</

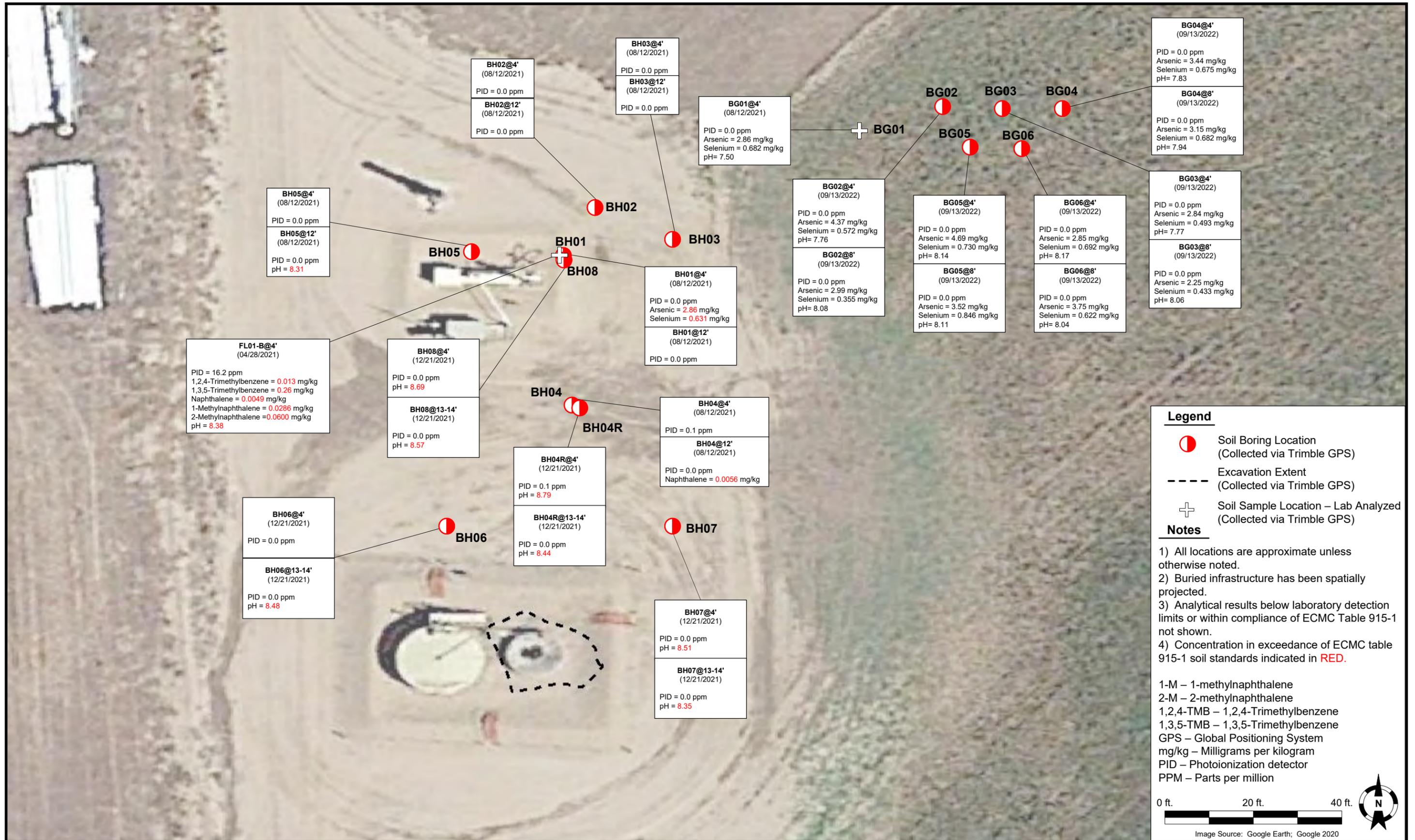
## **FIGURES**



### Figure 1

Site Location Map  
 Kastner 41-03  
 NWNE S3 T6N R65W  
 Weld County, Colorado





DATE: 11/15/2023

DESIGNED BY: JW

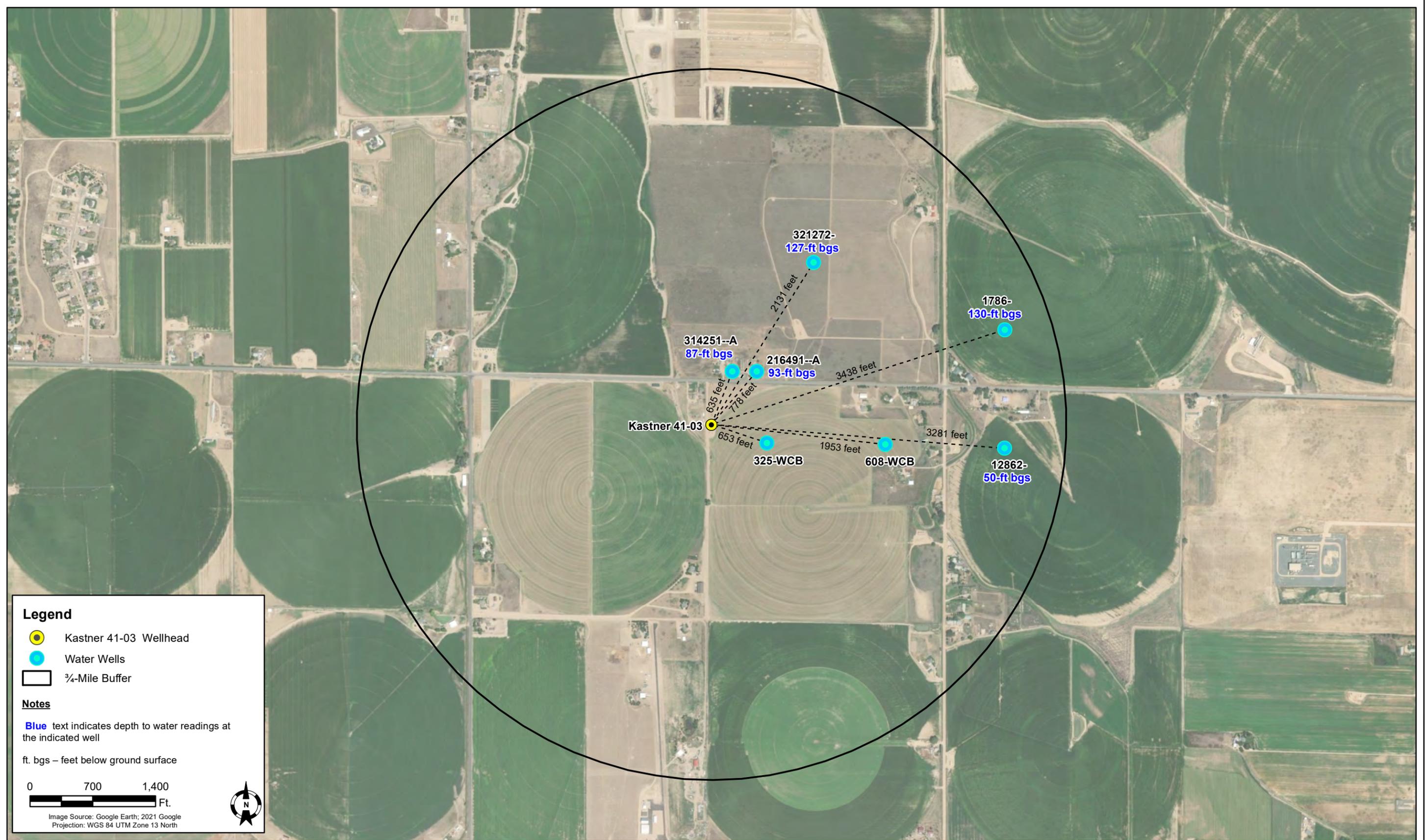
DRAWN BY: AE

**Tasman, Inc.**  
 6855 W 199<sup>th</sup> Ave  
 Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin**  
**Kastner 41-03 Flowline**  
 NWNE, Section 3, Township 6 North, Range 65 West  
 Weld County, Colorado

Site Assessment Soil  
 Analytical Results Map  
 (04/28/21, 08/12/21, 12/21/21,  
 & 09/13/22)

Figure  
 2



**Legend**

-  Kastner 41-03 Wellhead
-  Water Wells
-  3/4-Mile Buffer

**Notes**

Blue text indicates depth to water readings at the indicated well

ft. bgs – feet below ground surface



Image Source: Google Earth; 2021 Google  
Projection: WGS 84 UTM Zone 13 North

DATE:	November 11, 2023
DESIGNED BY:	JW
DRAWN BY:	JC



Tasman, Inc.  
6855 W. 119th Ave  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin**  
**Kastner 41-03 Water Well Investigation**  
NWNE, Section 3, Township 6 North, Range 65 West  
Weld County, Colorado

Water Well Investigation  
Location Map

**FIGURE**  
**3**

**ATTACHMENT A**  
**LABORATORY SOIL ANALYTICAL DATA REPORTS**

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 22, 2022

Jacob Whritenour  
Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield, CO 80020  
RE: Noble - Kastner 41-03  
Work Order #2209237

Enclosed are the results of analyses for samples received by Summit Scientific on 09/13/22 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury  
President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG02@4'	2209237-01	Soil	09/13/22 13:25	09/13/22 15:40
BG02@8'	2209237-02	Soil	09/13/22 13:30	09/13/22 15:40
BG03@4'	2209237-03	Soil	09/13/22 13:35	09/13/22 15:40
BG03@8'	2209237-04	Soil	09/13/22 13:40	09/13/22 15:40
BG04@4'	2209237-05	Soil	09/13/22 13:45	09/13/22 15:40
BG04@8'	2209237-06	Soil	09/13/22 13:50	09/13/22 15:40
BG05@4'	2209237-07	Soil	09/13/22 13:55	09/13/22 15:40
BG05@8'	2209237-08	Soil	09/13/22 14:00	09/13/22 15:40
BG06@4'	2209237-09	Soil	09/13/22 14:05	09/13/22 15:40
BG06@8'	2209237-10	Soil	09/13/22 14:10	09/13/22 15:40

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

# Summit Scientific

S<sub>2</sub>

2209237

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Noble / Tasman Project Manager: Jake Whritenour Invoice: Erica Zuniga  
Address: 6855 W. 119th Ave E-Mail: jwhritenour@tasman-geo.com  
City/State/Zip: Broomfield, CO 80020  
Phone: 303-827-1511 Project Name: Kastner 41-03  
Sampler Name: Hunter Merlo Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	VOC - 915	TPH - 915	PAH - 915	pH, EC, SAR	Boron - HWS	HOLD	Arsenic, Selenium	
1	B602E4'	9/13/22	1325	1			X			X								X	X	
2	B602E8'		1330																	
3	B603E4'		1335																	
4	B603E8'		1340																	
5	B604E4'		1345																	
6	B604E8'		1350																	
7	B605E4'		1355																	
8	B605E8'		1400																	
9	B606E4'		1405																	
10	B606E8'	↓	1410	↓																

Relinquished by: <i>MM Mer</i>	Date/Time: 9/13/22 1540	Received by: <del>Tasman's Lock Box</del> Summit	Date/Time: 9/13/22 1540	Turn Around Time (Check)	Notes:
Relinquished by: <del>Tasman's Lock Box</del>	Date/Time: 9/13/22 1540	Received by: <i>[Signature]</i>	Date/Time: 9/13/22 1540	Same Day _____ 72 hours _____	Standard <input checked="" type="checkbox"/>
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____	24 hours _____ 48 hours _____	
Sample Integrity: Temperature Upon Receipt: <u>6.2</u>				Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2209237

Client: Noble Hasman Client Project ID: Kastner 4103

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other  Airbill #: \_\_\_\_\_

Matrix (Check all that apply) Air  Soil/Solid  Water  Other

Temp (°C)  Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OUT CE
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation <b>(excluding cooling)</b> ? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

CS  
Custodian Printed Name

9.13.22 19:00  
Date/Time



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG02@4'**  
**2209237-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.37	0.200	mg/kg dry	1	BF10525	09/21/22	09/21/22	EPA 6020B	
Selenium	0.572	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	93.9		%	1	BF10423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.76		pH Units	1	BF10380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG02@8'**  
**2209237-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>2.99</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.355</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>96.4</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>8.08</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG03@4'**  
**2209237-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>2.84</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.493</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>94.2</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>7.77</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG03@8'**  
**2209237-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>2.25</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.433</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>96.9</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>8.06</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG04@4'**  
**2209237-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.44	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	0.675	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	94.0		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.83		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG04@8'**  
**2209237-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>3.15</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.682</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>94.0</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>7.94</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG05@4'**  
**2209237-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>4.69</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.730</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>92.1</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>8.14</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG05@8'**  
**2209237-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.52	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	0.846	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	92.8		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.11		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG06@4'**  
**2209237-09 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>2.85</b>	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	<b>0.692</b>	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	<b>94.6</b>		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	<b>8.17</b>		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**BG06@8'**  
**2209237-10 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **09/13/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.75	0.200	mg/kg dry	1	BFI0525	09/21/22	09/22/22	EPA 6020B	
Selenium	0.622	0.260	"	"	"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **09/13/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	93.5		%	1	BFI0423	09/16/22	09/20/22	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **09/13/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.04		pH Units	1	BFI0380	09/15/22	09/19/22	EPA 9045D	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**Total Metals by EPA 6020B - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BFI0525 - EPA 3050B**

**Blank (BFI0525-BLK1)**

Prepared & Analyzed: 09/21/22

Arsenic	ND	0.200	mg/kg wet							
Selenium	ND	0.260	"							

**LCS (BFI0525-BS1)**

Prepared & Analyzed: 09/21/22

Arsenic	42.8	0.200	mg/kg wet	40.0	107	80-120			
Selenium	3.99	0.260	"	4.00	99.8	80-120			

**Duplicate (BFI0525-DUP1)**

Source: 2209237-01

Prepared & Analyzed: 09/21/22

Arsenic	4.49	0.200	mg/kg dry		4.37		2.66	20
Selenium	0.694	0.260	"		0.572		19.2	20

**Matrix Spike (BFI0525-MS1)**

Source: 2209237-01

Prepared: 09/21/22 Analyzed: 09/22/22

Arsenic	48.2	0.200	mg/kg dry	42.6	4.37	103	75-125	
Selenium	4.18	0.260	"	4.26	0.572	84.7	75-125	

**Matrix Spike Dup (BFI0525-MSD1)**

Source: 2209237-01

Prepared: 09/21/22 Analyzed: 09/22/22

Arsenic	50.4	0.200	mg/kg dry	42.6	4.37	108	75-125	4.46	25
Selenium	4.38	0.260	"	4.26	0.572	89.4	75-125	4.69	25

Summit Scientific

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Tasman Geosciences  
 6855 W. 119th Ave.  
 Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
 Project Manager: Jacob Whritenour

**Reported:**  
 09/22/22 13:23

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BFI0423 - General Preparation**

Duplicate (BFI0423-DUP1)	Source: 2209236-01		Prepared: 09/16/22 Analyzed: 09/20/22			
% Solids	81.5	%		79.8	2.09	20

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BFI0380 - General Preparation**

**LCS (BFI0380-BS1)**

Prepared: 09/15/22 Analyzed: 09/19/22

pH	9.12	pH Units	9.18	99.3	95-105
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**Duplicate (BFI0380-DUP1)**

Source: 2209227-01

Prepared: 09/15/22 Analyzed: 09/19/22

pH	7.72	pH Units	7.54	2.36	20
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Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Noble - Kastner 41-03

Project Number: [none]  
Project Manager: Jacob Whritenour

**Reported:**  
09/22/22 13:23

### Notes and Definitions

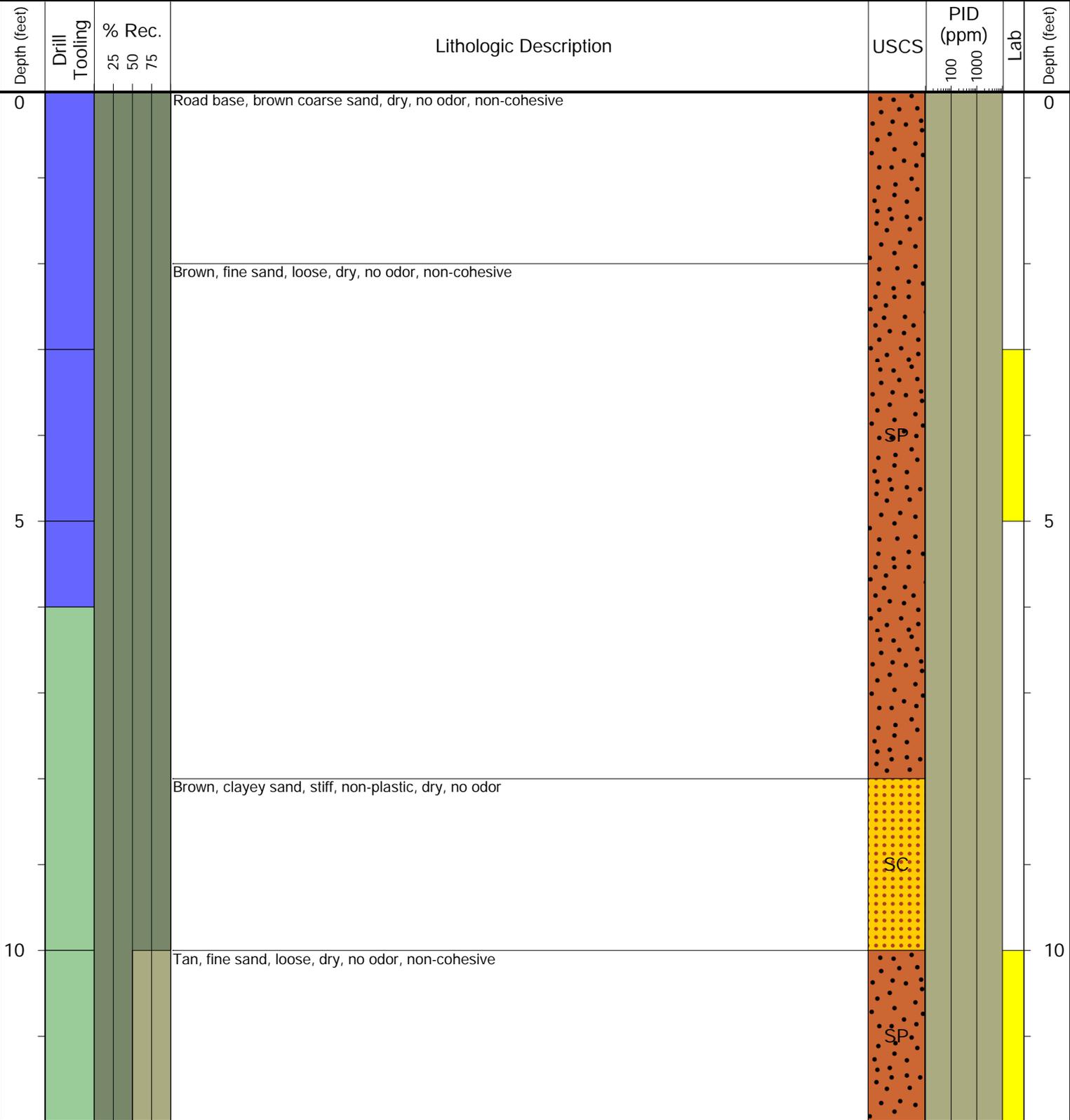
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

**ATTACHMENT B**  
**BORING LOGS**



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Hunter Merlo	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH01</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521887103159
DATE STARTED - COMPLETED: 8/12/21 - 8/12/21	LONGITUDE (WGS 84): -104.6490796186
TOTAL WELL DEPTH (FT. BGS): 12	GROUND ELEVATION (FT. AMSL): NM
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



**Drilling / Sample Method:**

- Macro-Core
- Expendable Well Tip
- Perforated Injection Tool
- Hand Auger

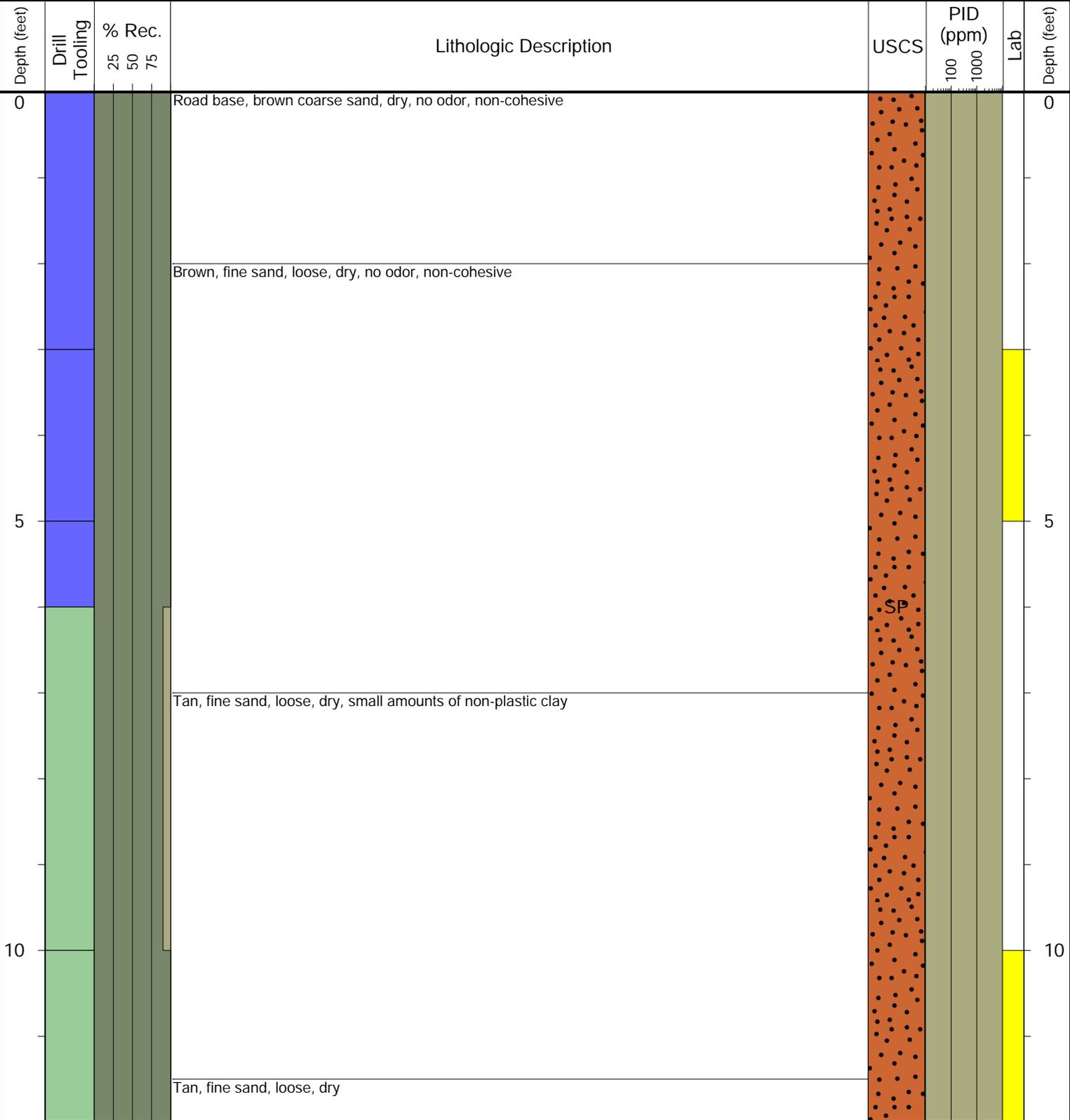
**Laboratory Sample Types:**

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



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Hunter Merlo	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH02</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521915412175
DATE STARTED - COMPLETED: 8/12/21 - 8/12/21	LONGITUDE (WGS 84): -104.64905926768
TOTAL WELL DEPTH (FT. BGS): 12	GROUND ELEVATION (FT. AMSL): NM
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



**Drilling / Sample Method:**

- Macro-Core
- Perforated Injection Tool
- Expendable Well Tip
- Hand Auger

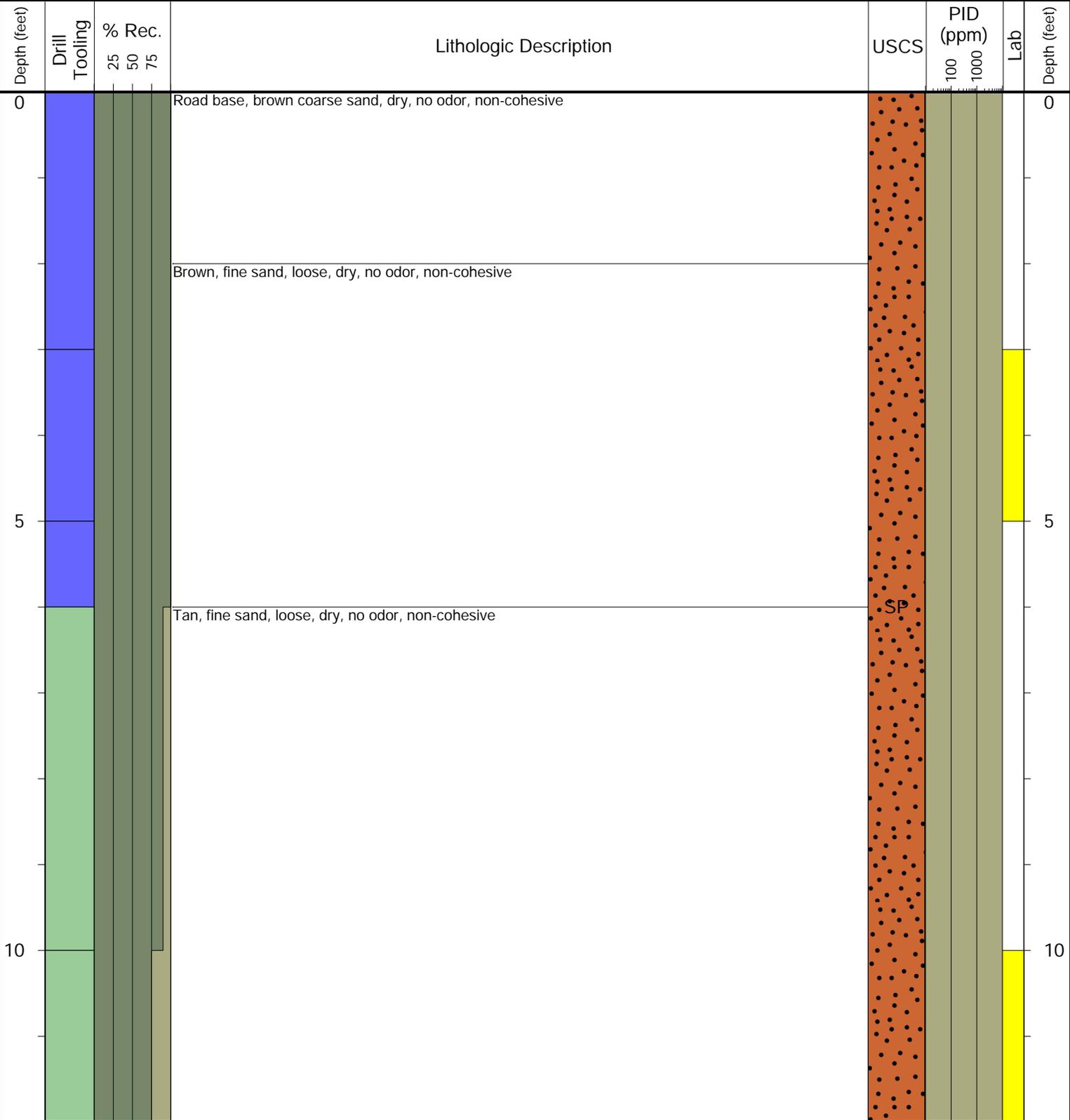
**Laboratory Sample Types:**

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



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Hunter Merlo	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH03</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521897585116
DATE STARTED - COMPLETED: 8/12/21 - 8/12/21	LONGITUDE (WGS 84): -104.64900951004
TOTAL WELL DEPTH (FT. BGS): 12	GROUND ELEVATION (FT. AMSL): NM
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



**Drilling / Sample Method:**

- Macro-Core
- Expendable Well Tip
- Perforated Injection Tool
- Hand Auger

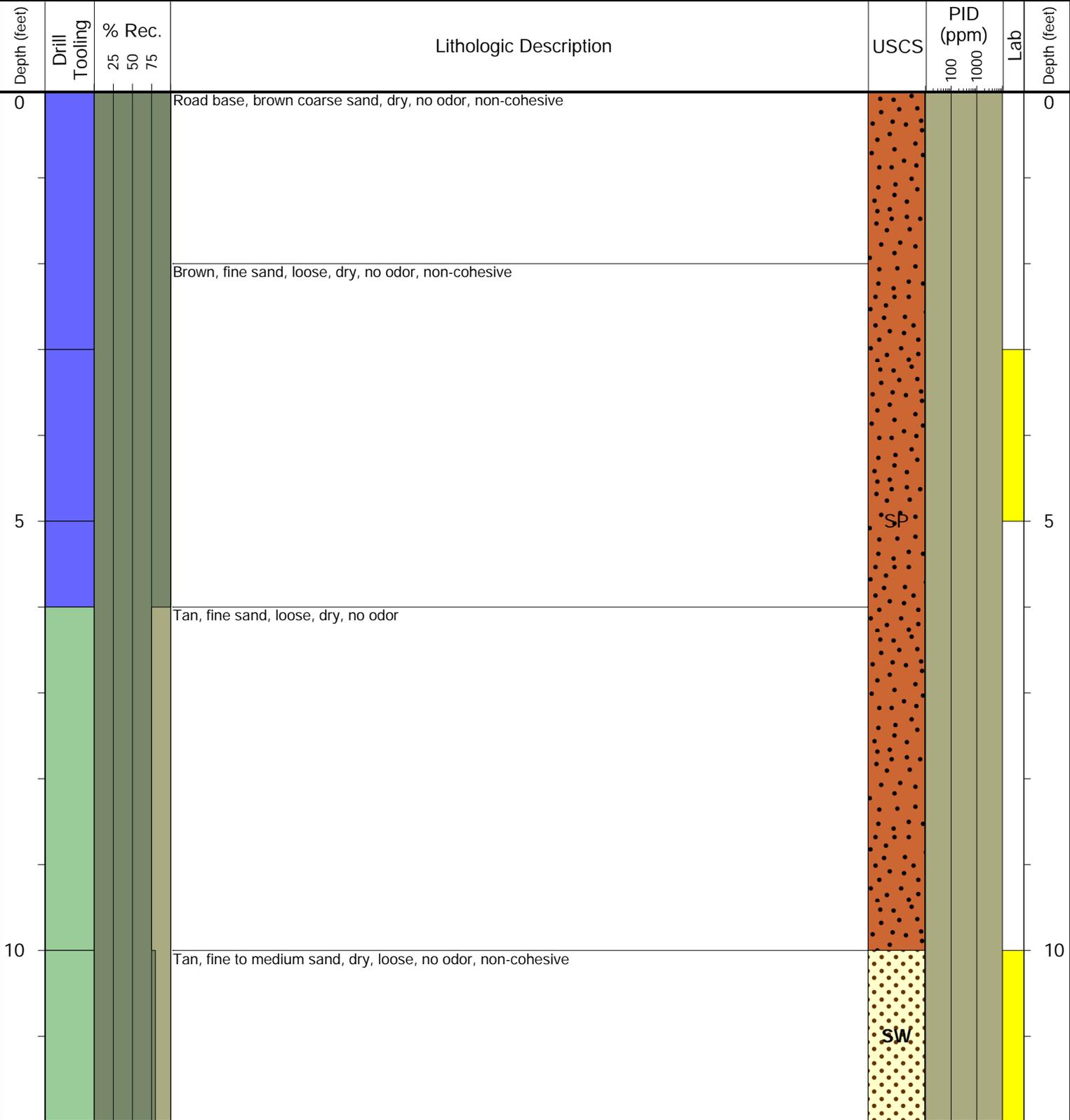
**Laboratory Sample Types:**

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



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Hunter Merlo	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH04</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.52179763195
DATE STARTED - COMPLETED: 8/12/21 - 8/12/21	LONGITUDE (WGS 84): -104.6490733846
TOTAL WELL DEPTH (FT. BGS): 12	GROUND ELEVATION (FT. AMSL): NM
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



**Drilling / Sample Method:**

- Macro-Core
- Expendable Well Tip
- Perforated Injection Tool
- Hand Auger

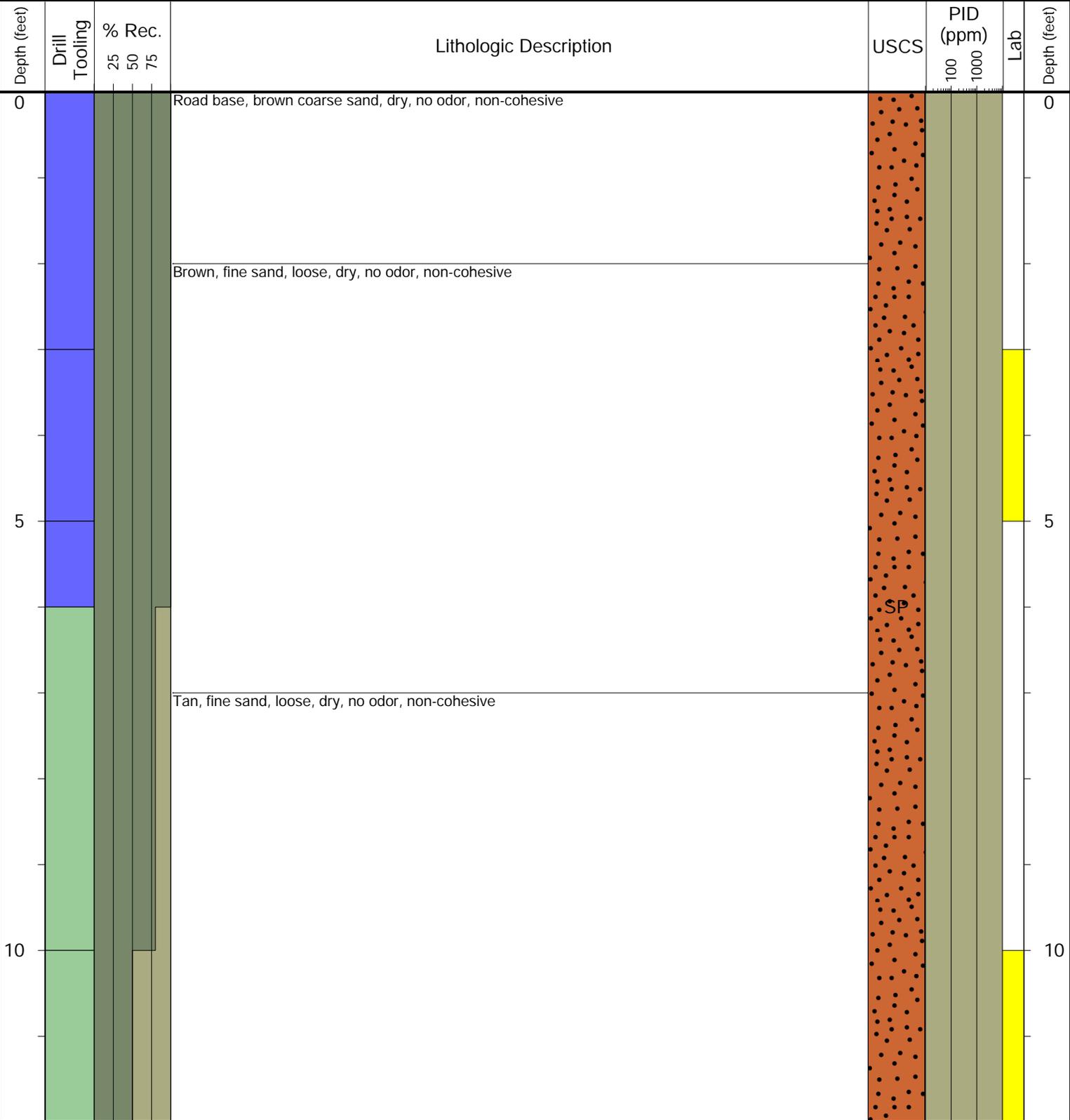
**Laboratory Sample Types:**

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



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Hunter Merlo	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH05</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521891653995
DATE STARTED - COMPLETED: 8/12/21 - 8/12/21	LONGITUDE (WGS 84): -104.64913376591
TOTAL WELL DEPTH (FT. BGS): 12	GROUND ELEVATION (FT. AMSL): NM
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



**Drilling / Sample Method:**

- Macro-Core
- Expendable Well Tip
- Perforated Injection Tool
- Hand Auger

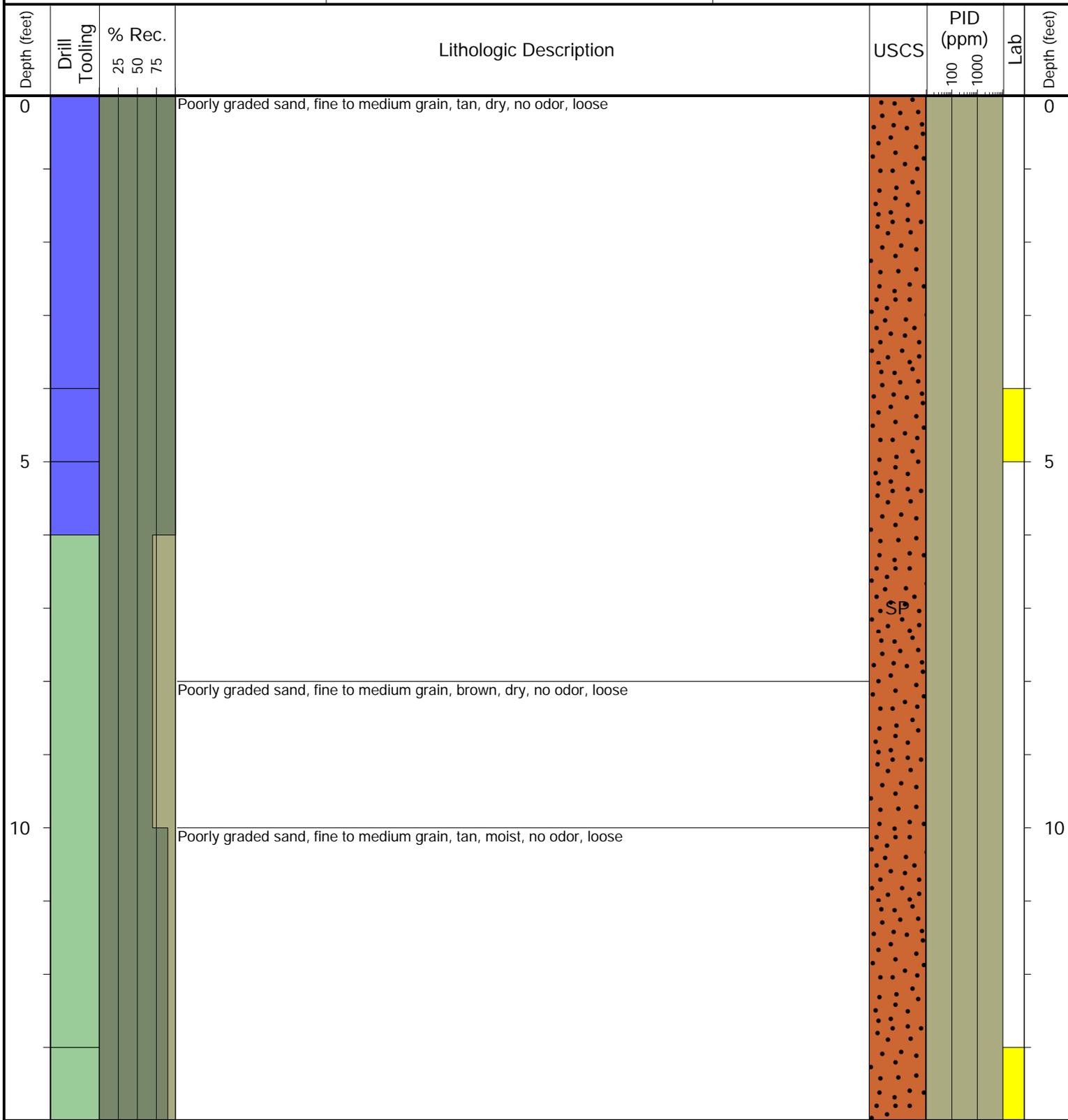
**Laboratory Sample Types:**

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



6855 W. 119th Ave.  
Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Daniel Qua	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH04R</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521794181
DATE STARTED - COMPLETED: 12/21/21 - 12/21/21	LONGITUDE (WGS 84): -104.649069503
TOTAL WELL DEPTH (FT. BGS): 14	GROUND ELEVATION (FT. AMSL): 4806.97
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



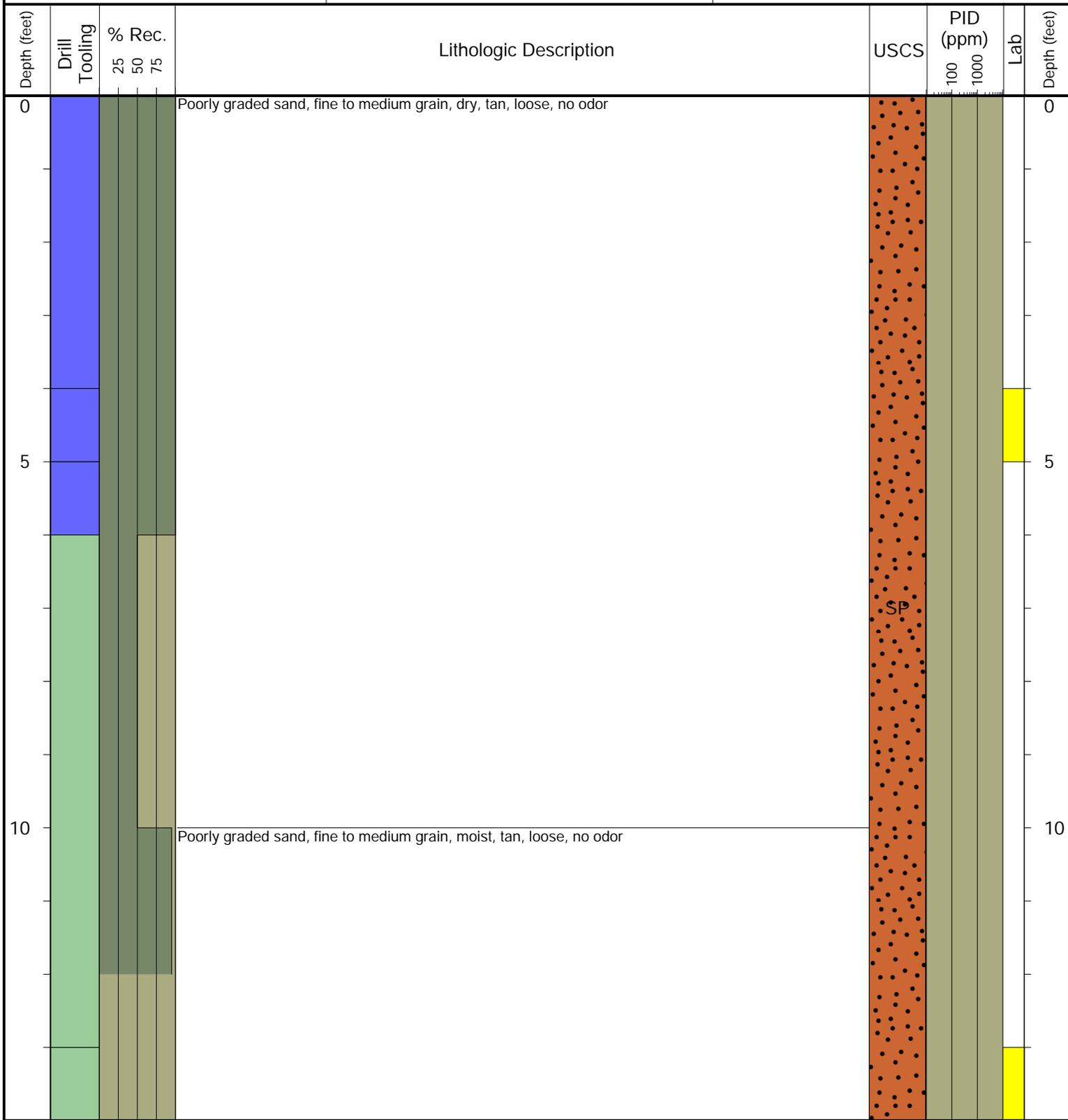
**Drilling / Sample Method:**

- Macro-Core
- Perforated Injection Tool
- Geotechnical Lab
- Geotechnical & Analytical Chemistry Lab
- Expendable Well Tip
- Hand Auger
- Analytical Chemistry Lab



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Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Daniel Qua	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH06</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521789915
DATE STARTED - COMPLETED: 12/21/21 - 12/21/21	LONGITUDE (WGS 84): -104.649143834
TOTAL WELL DEPTH (FT. BGS): 14	GROUND ELEVATION (FT. AMSL): 4806.433
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite

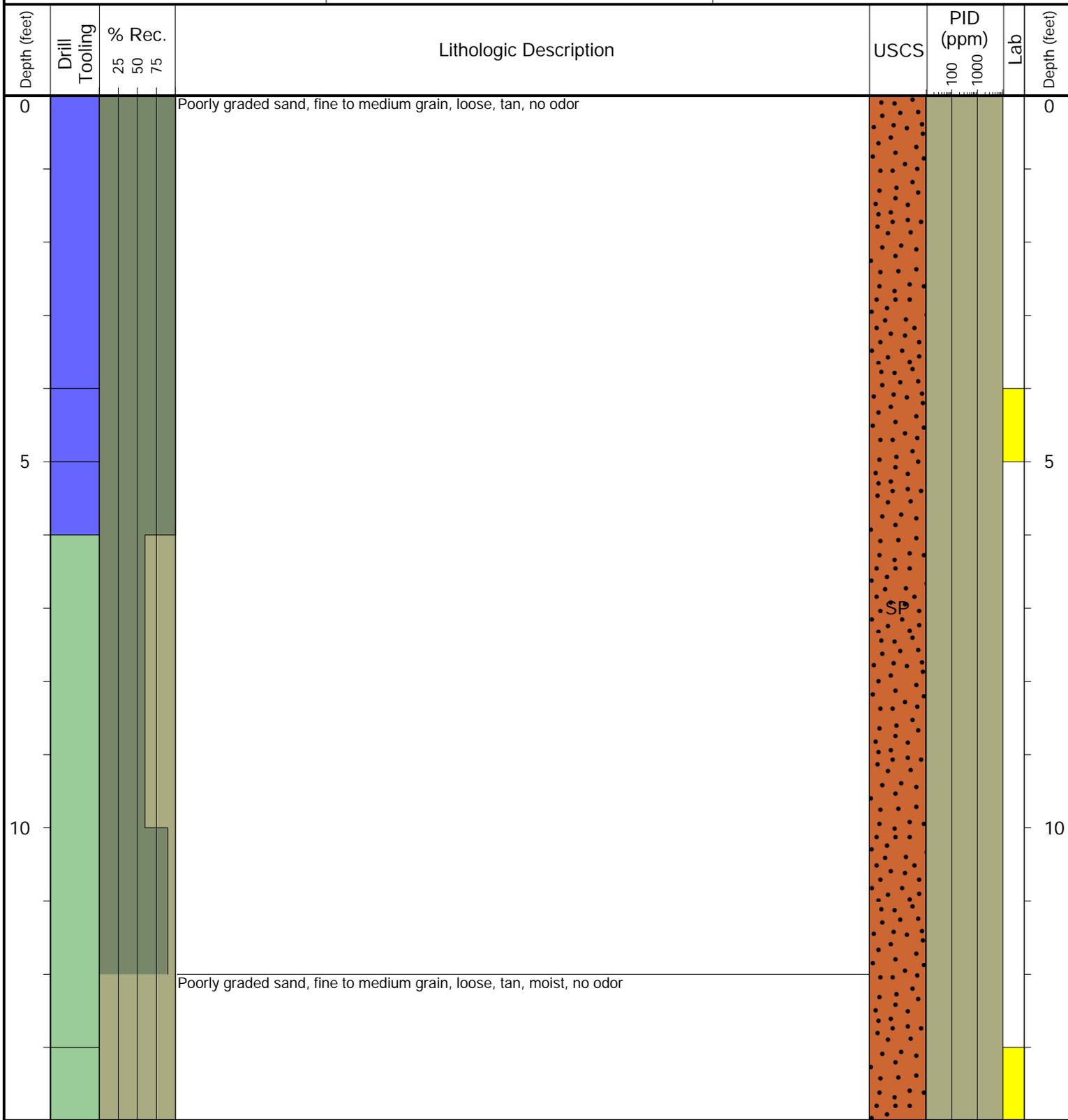


<b>Drilling / Sample Method:</b>		<b>Laboratory Sample Types:</b>	
Macro-Core	Perforated Injection Tool	Geotechnical Lab	Geotechnical & Analytical Chemistry Lab
Expendable Well Tip	Hand Auger	Analytical Chemistry Lab	



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Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Daniel Qua	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH07</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521737523
DATE STARTED - COMPLETED: 12/21/21 - 12/21/21	LONGITUDE (WGS 84): -104.649074452
TOTAL WELL DEPTH (FT. BGS): 14	GROUND ELEVATION (FT. AMSL): 4804.345
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite

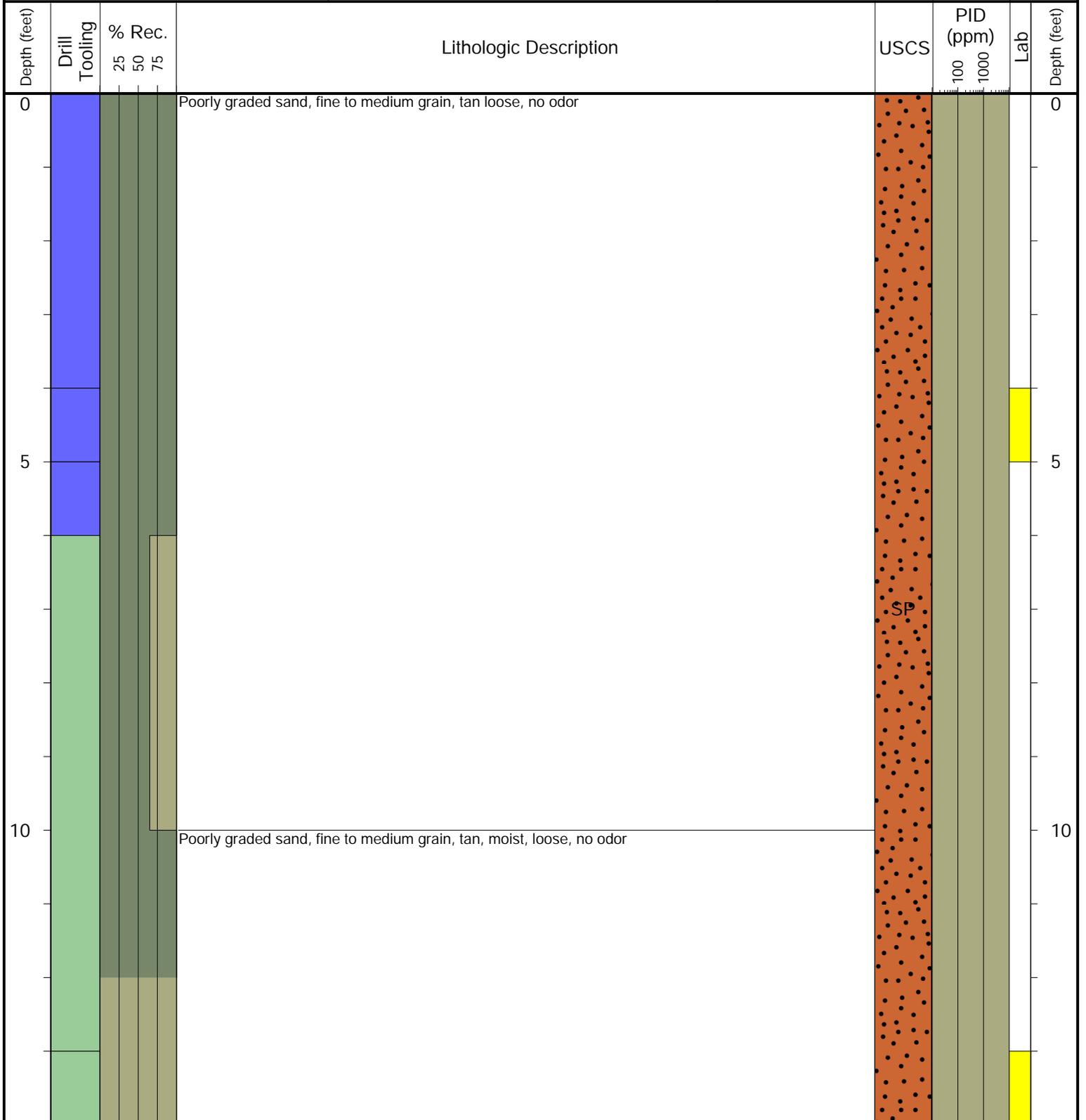


<b>Drilling / Sample Method:</b>		<b>Laboratory Sample Types:</b>	
Macro-Core	Perforated Injection Tool	Geotechnical Lab	Geotechnical & Analytical Chemistry Lab
Expendable Well Tip	Hand Auger	Analytical Chemistry Lab	



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Broomfield, CO 80020

CLIENT: Tasman	<b>Kastner 41-03</b>
LOGGED BY: Daniel Qua	
PROJECT MANAGER: Jake Whritenour	<b>BORING ID: BH08</b>
DRILLING CONTRACTOR: Tasman	
DRILLING EQUIPMENT: Hand Auger/ Power Probe	LOCATION: Weld County, Colorado
DRILL BIT SIZE (INCHES): 2.375"	LATITUDE (WGS 84): 40.521786835
DATE STARTED - COMPLETED: 12/21/21 - 12/21/21	LONGITUDE (WGS 84): -104.64898752
TOTAL WELL DEPTH (FT. BGS): 14	GROUND ELEVATION (FT. AMSL): 4807.28
DEPTH WATER ENCOUNTERED (FT. BGS): NM	ABANDONMENT METHOD: Bentonite



<b>Drilling / Sample Method:</b>		<b>Laboratory Sample Types:</b>	
Macro-Core	Perforated Injection Tool	Geotechnical Lab	Geotechnical & Analytical Chemistry Lab
Expendable Well Tip	Hand Auger	Analytical Chemistry Lab	