



Site Diagram - Project Overview

operator name (#): NOBLE ENERGY, INC. (100322)

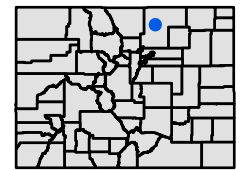
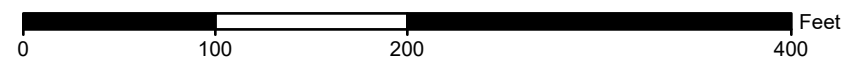
name (API/ID): KOHLHOFF USX AB #17-03P (05-123-31167)

legal description: NENW Sec. 17 T7N-R64W

city, county: Unincorporated, Weld

lat, long: 40.577960, -104.576260

- Historical Soil Sample
- Soil Sample
- ▲ Background Soil Sample
- Approximate Flowline (Abandoned in Place)
- NRCS Soil Survey: Map Unit Boundary



Spatial data and aerial imagery provided by third party sources. This information is used for reference purposes only. Confluence does not guarantee the accuracy of this material and is not responsible for any misuse or misinterpretation of this information.

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
KOHLHOFF USX AB #17-03P, WELD COUNTY, COLORADO
REM # 29684

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude/Longitude			
***WH-FS-01@6'	02/23/2024	6	40.577968	-104.576277	NC	0.9
***FL-SS-02@4'	04/09/2024	4	40.578036	-104.575275	NC	1.2
WH01@7'	07/24/2025	7	40.577962	-104.576258	0.90	0.1
FL01@5'	07/24/2025	5	40.578035	-104.575273	0.96	0.1
BKG01@5'	07/24/2025	5	40.577393	-104.575805	0.91	0.2
BKG02@5'	07/24/2025	5	40.577668	-104.575331	0.91	0.3
BKG03@5'	07/24/2025	5	40.578306	-104.575195	0.93	0.4
BKG04@7'	07/24/2025	7	40.578384	-104.575668	0.92	0.4
BKG05@7'	07/24/2025	7	40.578414	-104.576788	1.14	0.2
BKG06@5'	01/13/2026	5	40.578736	-104.576873	0.95	0.0
BKG06@7'	01/13/2026	7	40.578736	-104.576873	0.95	0.2
BKG07@5'	01/13/2026	5	40.578978	-104.576465	0.92	0.3
BKG07@7'	01/13/2026	7	40.578978	-104.576465	0.92	0.1
BKG08@5'	01/13/2026	5	40.578851	-104.575797	0.90	0.1
BKG08@7'	01/13/2026	7	40.578851	-104.575797	0.90	0.2
BKG09@5'	01/13/2026	5	40.577214	-104.576051	0.91	0.3
BKG09@7'	01/13/2026	7	40.577214	-104.576051	0.91	0.1
BKG10@5'	01/13/2026	5	40.577365	-104.575441	0.91	0.3
BKG10@7'	01/13/2026	7	40.577365	-104.575441	0.91	0.2

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

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

PDOP = Position Dilution of Precision

NC = Not collected

ppm = Parts per million

ft = Feet

***Data collected by third party consultant, not being utilized for compliance.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
KOHLHOFF USX AB #17-03P, WELD COUNTY, COLORADO
REM # 29684

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
***WH-FS-01@6'	02/23/2024	6	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00380	<500	< 0.200	< 25.0	< 100
***FL-SS-02@4'	04/09/2024	4	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00380	233	< 0.200	< 25.0	233
WH01@7'	07/24/2025	7	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.002	<500	< 0.200	< 25.0	< 100
FL01@5'	07/24/2025	5	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.002	<500	< 0.200	< 25.0	< 100

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. * Indicates laboratory minimum detection limit in excess of SSL

4. ** 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

NA - Not analyzed

Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
KOHLHOFF USX AB #17-03P, WELD COUNTY, COLORADO
REM # 29684

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
***WH-FS-01@6'	02/23/2024	6	< 0.020	< 0.020	< 0.005	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.002	< 0.002
***FL-SS-02@4'	04/09/2024	4	<0.020	< 0.020	< 0.005	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.002	< 0.002
WH01@7'	07/24/2025	7	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL01@5'	07/24/2025	5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002

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. * Indicates laboratory minimum detection limit in excess of SSL
(<) = Analytical result is less than the indicated laboratory reporting limit.
ECMC = Energy & Carbon Management Commission
mg/kg = Milligrams per kilogram
ft = Feet
NA - Not analyzed
Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
KOHLHOFF USX AB #17-03P, WELD COUNTY, COLORADO
REM # 29684

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
***WH-FS-01@6'	02/23/2024	6	8.23	0.267	0.210	<0.101
***FL-SS-02@4'	04/09/2024	4	8.52	0.276	1.06	<0.101
WH01@7'	07/24/2025	7	8.45	0.531	4.10	0.671
FL01@5'	07/24/2025	5	8.31	0.781	2.18	0.709
BKG01@5'	07/24/2025	5	8.12	1.06	3.37	1.20
BKG02@5'	07/24/2025	5	8.17	0.876	2.48	0.828
BKG03@5'	07/24/2025	5	8.29	0.210	0.109	<0.100
BKG04@7'	07/24/2025	7	8.20	0.210	0.218	<0.100
BKG05@7'	07/24/2025	7	8.13	1.100	2.14	1.1
BKG06@5'	01/13/2026	5	8.49	0.254	0.859	0.209
BKG06@7'	01/13/2026	7	8.85	0.287	2.09	0.356
BKG07@5'	01/13/2026	5	8.51	0.223	0.226	0.115
BKG07@7'	01/13/2026	7	8.42	0.281	1.03	0.120
BKG08@5'	01/13/2026	5	8.47	0.195	0.247	<0.104
BKG08@7'	01/13/2026	7	8.53	0.206	1.11	<0.104
BKG09@5'	01/13/2026	5	7.92	4.88	3.87	2.09
BKG09@7'	01/13/2026	7	7.74	4.53	3.24	1.44
BKG10@5'	01/13/2026	5	7.91	5.35	5.29	1.80
BKG10@7'	01/13/2026	7	7.91	2.83	5.72	0.650
Maximum Background Concentration			8.85	5.35	5.72	2.09

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.

ECMC = Energy & Carbon Management Commission

EC = Specific Conductance

SAR = Sodium Adsorption Ratio

mg/L = milligrams per liter

mmhos/cm = millimhos per centimeter

ft = Feet

NA - Not analyzed

Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
KOHLOFF USX AB #17-03P, WELD COUNTY, COLORADO
REM # 29684

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
***WH-FS-01@6'	02/23/2024	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
***FL-SS-02@4'	04/09/2024	4	3.98	81.0	0.317	<0.375	8.80	5.91	6.18	0.229	0.0880	32.6
WH01@7'	07/24/2025	7	3.13	89.3	0.352	<0.20	<41.4	<12.6	<23.4	0.415	<0.721	<333
FL01@5'	07/24/2025	5	3.71	78.7	<0.364	<0.19	<44.1	15.2	<24.9	0.302	<0.767	<355
BKG01@5'	07/24/2025	5	3.38	119	0.555	0.15	<42.2	<12.8	29.9	0.487	<0.734	<339
BKG02@5'	07/24/2025	5	2.62	<71.0	0.645	<0.21	<39.8	<12.1	<22.5	0.404	<0.693	<320
BKG03@5'	07/24/2025	5	3.08	100	<0.359	<0.20	<43.5	<13.2	<24.6	<0.246	<0.756	<350
BKG04@7'	07/24/2025	7	3.65	<71.8	<0.333	<0.20	<40.3	<12.3	<22.8	0.514	<0.701	<324
BKG05@7'	07/24/2025	7	3.89	155	<0.353	0.09	<42.8	<13.0	<24.2	0.322	<0.743	<344
BKG06@5'	01/13/2026	5	3.19	141	<0.264	<0.30	<32.0	<9.73	<18.1	<0.171	<0.556	<257
BKG06@7'	01/13/2026	7	1.62	<56.2	<0.261	<0.31	<31.5	<9.60	<17.8	<0.169	<0.549	<254
BKG07@5'	01/13/2026	5	2.94	182	<0.251	<0.30	<30.4	<9.26	<17.2	<0.163	<0.529	<245
BKG07@7'	01/13/2026	7	2.41	70.2	<0.273	<0.31	<33.0	<10.1	<18.7	<0.177	<0.575	<266
BKG08@5'	01/13/2026	5	2.74	65.6	<0.258	<0.30	<31.2	<9.51	<17.7	<0.167	<0.543	<251
BKG08@7'	01/13/2026	7	4.39	65.7	<0.272	<0.30	<32.9	<10.0	<18.6	<0.176	<0.572	<265
BKG09@5'	01/13/2026	5	6.39	<65.3	<0.303	<0.34	<36.6	15.0	<20.7	0.295	<0.637	<295
BKG09@7'	01/13/2026	7	4.79	233	1.04	<0.33	<34.3	16.3	56.8	1.09	<0.597	<276
BKG10@5'	01/13/2026	5	5.88	121	<0.345	<0.39	<41.7	25.9	<23.6	0.475	<0.726	<336
BKG10@7'	01/13/2026	7	2.96	68.6	<0.296	<0.33	<35.9	15.0	<20.3	0.198	<0.624	<288
1.25x Maximum Background Concentration			7.99	291	1.30	0.19	<43.5	32.4	71.0	1.36	<0.756	<350

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Red** 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. Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

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

mg/kg = Milligrams per kilogram

ft = Feet

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

Boring Number: BKG07		Coordinates: 40.578978, -104.576465	
Scope: Background at 5' and 7'		Drilling Equipment Model: Hammer Drill, Hand Auger	
Drilling Method: Hammer Drill, Hand Auger	Drilling Contractor(s): Confluence	Drillers: Jack Groskruetz	
Date: 1/13/2026	Start Time: 10:20	Finish Time: 12:00	DTW (ft): NA
Field Technician: Ben Nierman		Total Depth of Boring (ft): 7' bgs	

Depth (ft)	Time	Recovery (%)	Penetration Results	Staining / Odor	USCS Classification	Material Description <small>(Interval, Color, Classification, Grain Size, Density, Moisture, Notable Features)</small>	PID Reading (ppm)
	11:00	100	NA	None	SW	0-5' - Dry, loose, light brown sand. Fine to coarse grain.	0.3
6	12:00	100	NA	None	SW	5-7' - Dry, loose, light brown sand. Very fine to medium grain.	0.1
7							

Samples Collected: BKG07@5' at 11:00 BKG07@7' at 12:00 Submitted for all ECMC Table 915-1 Inorganics	Notes: Boring backfilled to grade with soil cuttings.
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Boring Number: BKG09				Coordinates: 40.577214, -104.576051			
Scope: Background at 5' and 7'				Drilling Equipment Model: Hammer Drill, Hand Auger			
Drilling Method: Hammer Drill, Hand Auger		Drilling Contractor(s): Confluence		Drillers: Jack Groskruetz			
Date: 1/13/2026	Start Time: 10:20	Finish Time: 12:20	DTW (ft): NA	Total Depth of Boring (ft): 7' bgs			
Field Technician: Ben Nierman							
Depth (ft)	Time	Recovery (%)	Penetration Results	Staining / Odor	USCS Classification	Material Description <small>(Interval, Color, Classification, Grain Size, Density, Moisture, Notable Features)</small>	PID Reading (ppm)
1	10:20	100	NA	None	SW	1-3' - Dry, loose light brown sand. Fine to coarse grain.	-
2							
3							
4	11:15	100	NA	None	SC	3-5' - Dry, grayish brown sandy clay. Loose with some iron coloration.	0.3
5							
6							
7	12:20	100	NA	None	SC	5-7' - Dry, grayish brown sandy clay. Loose with some iron coloration.	0.1
8							
9							
Samples Collected: BKG09@5' at 11:15 BKG09@7' at 12:20 Submitted for all ECMC Table 915-1 Inorganics						Notes: Boring backfilled to grade with soil cuttings.	

DTW = Depth to Water
 NA = Not Applicable
 ft = Feet
 ppm = Parts Per Million
 bgs = Below Ground Surface

Boring Number: BKG10		Coordinates: 40.577365, -104.575441	
Scope: Background at 5' and 7'		Drilling Equipment Model: Hammer Drill, Hand Auger	
Drilling Method: Hammer Drill, Hand Auger	Drilling Contractor(s): Confluence	Drillers: Jack Groskruetz	
Date: 1/13/2026	Start Time: 10:20	Finish Time: 12:35	DTW (ft): NA
Field Technician: Ben Nierman		Total Depth of Boring (ft): 7' bgs	

Depth (ft)	Time	Recovery (%)	Penetration Results	Staining / Odor	USCS Classification	Material Description <small>(Interval, Color, Classification, Grain Size, Density, Moisture, Notable Features)</small>	PID Reading (ppm)
1							
2	10:20	100	NA	None	SW	0-4' - Dry, loose, light brown sand. Fine to coarse grain.	-
3							
4							
5	11:30	100	NA	None	SC	4-5' - Dry, loose, grayish brown sandy clay. Some iron coloration.	0.3
6	12:35	100	NA	None	SC	5-7' - Dry, grayish brown sandy clay. Loose with some iron coloration.	0.2
7							

Samples Collected: BKG10@5' at 11:30 BKG10@7' at 12:35 Submitted for all ECMC Table 915-1 Inorganics	Notes: Boring backfilled to grade with soil cuttings.
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DTW = Depth to Water
 NA = Not Applicable
 ft = Feet
 ppm = Parts Per Million
 bgs = Below Ground Surface



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



Site Overview: View Southwest



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



Site Overview: View Southeast



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



Site Overview: View North



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



BKG06 Location: View West



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



BKG07 Location: View West



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



BKG08 Location: View East



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



BKG09 Location: View West



Photographic Log

Facility Closure Investigation

Kohlhoff USX AB #17-03P (API: 05-123-31167)



BKG10 Location: View Northwest