

May 10, 2024

Noble Energy, Inc – Lehfeltd C27-15

Site Investigation Update

SWSE Sec 27, T4N, R64W

40.277960, -104.534730

Weld County, Colorado

Fremont Project No. C022-207

API # 05-123-13851, Remediation # 25952

Site Overview – Site History

The site consists of the former Lehfeltd C27-15 flowline. A historical release was identified along the flowline path at several locations during decommissioning activities on January 5, 2023. A comprehensive site investigation was undertaken to define the magnitude and extent of soil impacts. Soil impacts will be removed via excavation at and adjacent to the former flowline. The proposed dimensions of the excavation extents are estimated to be 10'x10'x5' deep in each of the three locations. Groundwater was not encountered during the site investigation.

Conceptual Site Model*

*Data presented represents the most recent sampling event

- **Land Use** – Agricultural (Crop)
- **Lithology (USCS)** – CL to SP
- **Potential Receptors within ¼ mile** – HPH Y-Aquatic Native Species Conservation Waters Residential 0.24 mi SE; pond ~0.19 mi SE, riverine ~0.15 mi SE and ~0.18 mi W
- **Groundwater Encountered** – No
- **Estimated Depth to Groundwater** – 11 feet
- **Impacted Media and Excavation Extent** – Soil – 10'x10'x5' deep
- **Volume of Impacts Removed** – Impacts remain in situ
- **Waste Type** – Non-hazardous

Contaminants of Concern (COC)

The laboratory data indicate organic and inorganic soil constituents were in compliance with the ECMC Table 915-1 standards in samples collected during the November 21, 2023 and November 22, 2023 supplemental site investigation conducted at and adjacent to the former produced water vault location. The soil analytical data are summarized in Tables 1-5. A copy of the laboratory's report, quality control data, and chain-of-custody documentation is attached.

Remedial Actions

The source will be excavated, and confirmation soil samples will be collected and analyzed for the full Table 915 suite. If groundwater is encountered during the excavation of impacted soil, a groundwater sample will be collected for Table 915 organic constituents in groundwater (BTEX, 1,2,4 Trimethylbenzene, 1,3,5 Trimethylbenzene, and Naphthalene). Should no additional active remediation be required following source removal at the location, a no

further action (NFA) determination will be requested within 90 days following laboratory confirmation of the removal of impacted soils with respect to the applicable Table 915-1 screening levels at the site.

If groundwater impacts are observed, an NFA will be requested once four consecutive quarters of groundwater sampling have been completed and reported at the location with concentrations of Table 915 constituents below regulatory limits. As needed, soil and/or groundwater remediation plans will be developed and submitted to ECMC in a supplemental Form 27.

Remarks

The discussion and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

This report was prepared by **FREMONT ENVIRONMENTAL INC.**



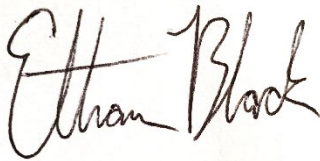
5/10/24

Date _____

Stanley Gilbert

Environmental Scientist

Reviewed by:



5/10/24

Date _____

Ethan D. Black, P.G.

Geologist

Attachments:

Tables

Figures

Boring Logs

Laboratory Report

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
LEHFELDT C 27-15, WELD COUNTY, COLORADO
REM # 26094

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
SEP02@3'	12/15/2022	3	40.280	-104.53	-	0
FL01@4'	12/16/2022	4	40.2796700	-104.53463	-	0.2
FL02@4'	12/16/2022	4	40.2798100	-104.53463	-	0.2
FL03@4'	12/16/2022	4	40.2798100	-104.52853	-	0.2
FL04@4'	12/16/2022	4	40.2798300	-104.52896	-	0.1
FL05@4'	12/16/2022	4	40.2798260	-104.53004	-	0.6
FL06@4'	12/16/2022	4	40.2798200	-104.53094	-	0
FL07@4'	12/16/2022	4	40.2798170	-104.53186	-	0
FL08@5'	12/16/2022	5	40.2798180	-104.53239	-	0.2
FL09@4'	12/16/2022	4	40.2798160	-104.53288	-	0.2
FL10@4'	12/16/2022	4	40.2798200	-104.53352	-	0.1
FL11@4'	12/16/2022	4	40.2793980	-104.53462	-	0
FL12@4'	12/16/2022	4	40.2789720	-104.53462	-	0
FL13@4'	12/16/2022	4	40.2784050	-104.53461	-	0.4
WH-SS-01 @ 5'	3/28/2023	5	40.2780450	-104.534614	-	0.2
WH-SS-02 @ 5'	3/28/2023	5	40.2780310	-104.534596	-	0.1
WH-SS-03 @ 5'	3/28/2023	5	40.2780170	-104.534615	-	0
WH-SS-04 @ 5'	3/28/2023	5	40.2780310	-104.534633	-	0.5
WH-FS-01 @ 6'	3/28/2023	6	40.2780300	-104.534616	-	3.5
SBCEN01	11/21/2023	Multiple	40.2798284	-104.5309740	-	0.0
SBW01	11/21/2023	Multiple	40.2797990	-104.5309741	-	0.0
SBS01	11/21/2023	Multiple	40.2798267	-104.5310084	-	0.0
SBCEN02	11/22/2023	Multiple	40.2798249	-104.5317673	-	0.0
SBCEN03	11/22/2023	Multiple	40.2780380	-104.5345977	-	0.0
SBE02	11/22/2023	Multiple	40.2798241	-104.5317300	-	0.0

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
SBE03	11/22/2023	Multiple	40.2780334	-104.5345625	-	0.0
SBN03	11/22/2023	Multiple	40.2780616	-104.5345899	-	0.0
SBS02	11/22/2023	Multiple	40.2797982	-104.5317638	-	0.0
SBS03	11/22/2023	Multiple	40.2780076	-104.5346003	-	0.0
SBW02	11/22/2023	Multiple	40.2798239	-104.5318024	-	0.0
SBW03	11/22/2023	Multiple	40.2780435	-104.5346335	-	0.0
BKG01	11/21/2023	Multiple	40.279791	-104.531048	-	0.0
BKG02	11/22/2023	Multiple	40.279707	-104.531712	-	0.0
BKG03	11/22/2023	Multiple	40.279718	-104.531857	-	0.0
BKG04	11/22/2023	Multiple	40.278064	-104.534470	-	0.0
BKG05	11/22/2023	Multiple	40.277955	-104.534496	-	0.0

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

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

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
LEHFELDT C 27-15, WELD COUNTY, COLORADO
REM # 26094

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**		
SEP02@3'	12/15/2022	3'	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL06@4'	12/16/2022	4'	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL07@4'	12/16/2022	4'	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	0.11	<500	<0.50	<50	<50
FL14@4'	12/16/2022	4'	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
WH-FS-01 @ 6'	3/28/2023	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.00201	<500	<0.200	49.8	101

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

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.
 = Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
LEHFELDT C 27-15, WELD COUNTY, COLORADO
REM # 26094

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
SEP02@3'	12/15/2022	3'	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL06@4'	12/16/2022	4'	0.0142	0.0277	0.0543	0.0367	0.0558	0.0226	0.0581	0.00644	0.139	0.016	0.0237	0.108	<0.00500	<0.00500
FL07@4'	12/16/2022	4'	0.298	0.4	0.398	0.31	0.435	0.177	0.418	0.0476	1.27	0.311	0.193	0.88	0.0677	0.16
FL14@4'	12/16/2022	4'	0.007	0.0067	0.0119	0.0152	0.0242	0.00976	0.0267	<0.00500	0.0655	0.00713	0.00954	0.0512	<0.00500	<0.00500
WH-FS-01 @ 6'	3/28/2023	6	0.000614	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000661	<0.00067	0.000647	0.000673	<0.00067	0.000861	0.00215	0.00218

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

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LEHFELDT C 27-15, WELD COUNTY, COLORADO
REM # 26094

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
SEP02@3'	12/15/2022	3'	8.13	0.217	0.365	1.98
FLO6@4'	12/16/2022	4'	8.47	0.542	2.64	0.58
FLO7@4'	12/16/2022	4'	7.84	0.567	1.76	1.68
FL14@4'	12/16/2022	4'	8	0.872	3.02	1.19
WH-FS-01 @ 6'	3/28/2023	6	8.28	0.762	1.81	0.399
BKG01 4'	11/21/2023	4	8.44	0.662	2.86	<2.00
BKG01 6'	11/21/2023	6	8.98	0.326	0.975	<2.00
BKG02 4'	11/22/2023	4	8.91	0.276	0.971	<2.00
BKG02 6'	11/22/2023	6	9	0.264	0.926	<2.00
BKG03 4'	11/22/2023	4	8.36	0.137	0.746	<2.00
BKG03 6'	11/22/2023	6	8.96	0.258	0.822	<2.00
BKG04 4'	11/22/2023	4	8.16	1.07	2.63	<2.00
BKG04 6'	11/22/2023	6	8.71	0.5	2.42	<2.00
BKG05 4'	11/22/2023	4	8.84	0.322	0.939	<2.00
BKG05 6'	11/22/2023	6	8.72	0.5	2.87	<2.00
Maximum Root Background Concentration (0 - 3 ft)			NA	NA	NA	NA
Average Root Background Concentration (0 - 3 ft)			NA	NA	NA	NA
Maximum Background Concentration			9.00	NA	NA	NA
Average Background Concentration			8.71	NA	NA	NA

1. Bold faced values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate a regulatory exceedance

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LEHFELDT C 27-15, WELD COUNTY, COLORADO
REM # 26094

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
BKG01 4'	11/21/2023	4	2.38	109	<0.200	<0.30	5.02	6.27	5.62	<0.260	0.0337	16.3
BKG01 6'	11/21/2023	6	1.23	98.8	<0.200	<0.30	3.02	5.21	3.92	<0.260	<0.0200	13.5
BKG02 4'	11/22/2023	4	1.37	38.7	<0.200	<0.30	3.23	4.67	3.47	<0.260	0.0207	12.2
BKG02 6'	11/22/2023	6	3.16	755	0.252	<0.30	7.41	10.3	5.83	<0.260	0.0546	22.7
BKG03 4'	11/22/2023	4	1.22	46	<0.200	<0.30	3.19	4.45	3.14	<0.260	<0.0200	12
BKG03 6'	11/22/2023	6	1.75	63.5	<0.200	<0.30	3.37	5.41	3.76	<0.260	<0.0200	14
BKG04 4'	11/22/2023	4	2.85	76.1	0.2	<0.30	6.67	14.2	6.08	<0.260	0.0501	76.3
BKG04 6'	11/22/2023	6	3.6	141	0.226	<0.30	7.02	11	6.91	<0.260	0.0442	26.9
BKG05 4'	11/22/2023	4	1.73	89.9	<0.200	<0.30	3.5	5.56	4.03	<0.260	<0.0200	14.3
BKG05 6'	11/22/2023	6	5	117	0.342	<0.30	9.98	15	7.6	<0.260	0.0622	30.6
Maximum Root Zone Background Concentration (0 - 3 ft)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
125% Average Root Zone Background Concentration (0 - 3 ft)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Maximum Background Concentration			5	755	NA	NA	9.98	15	NA	NA	NA	NA
125% Average Background Concentration			2.429	153.5	NA	NA	5.241	8.207	NA	NA	NA	NA

1. Bold values exceed the ECMC Table 915-1 limit(s)

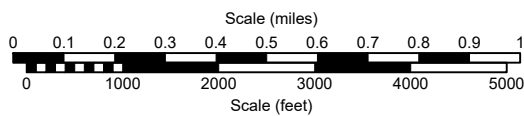
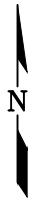
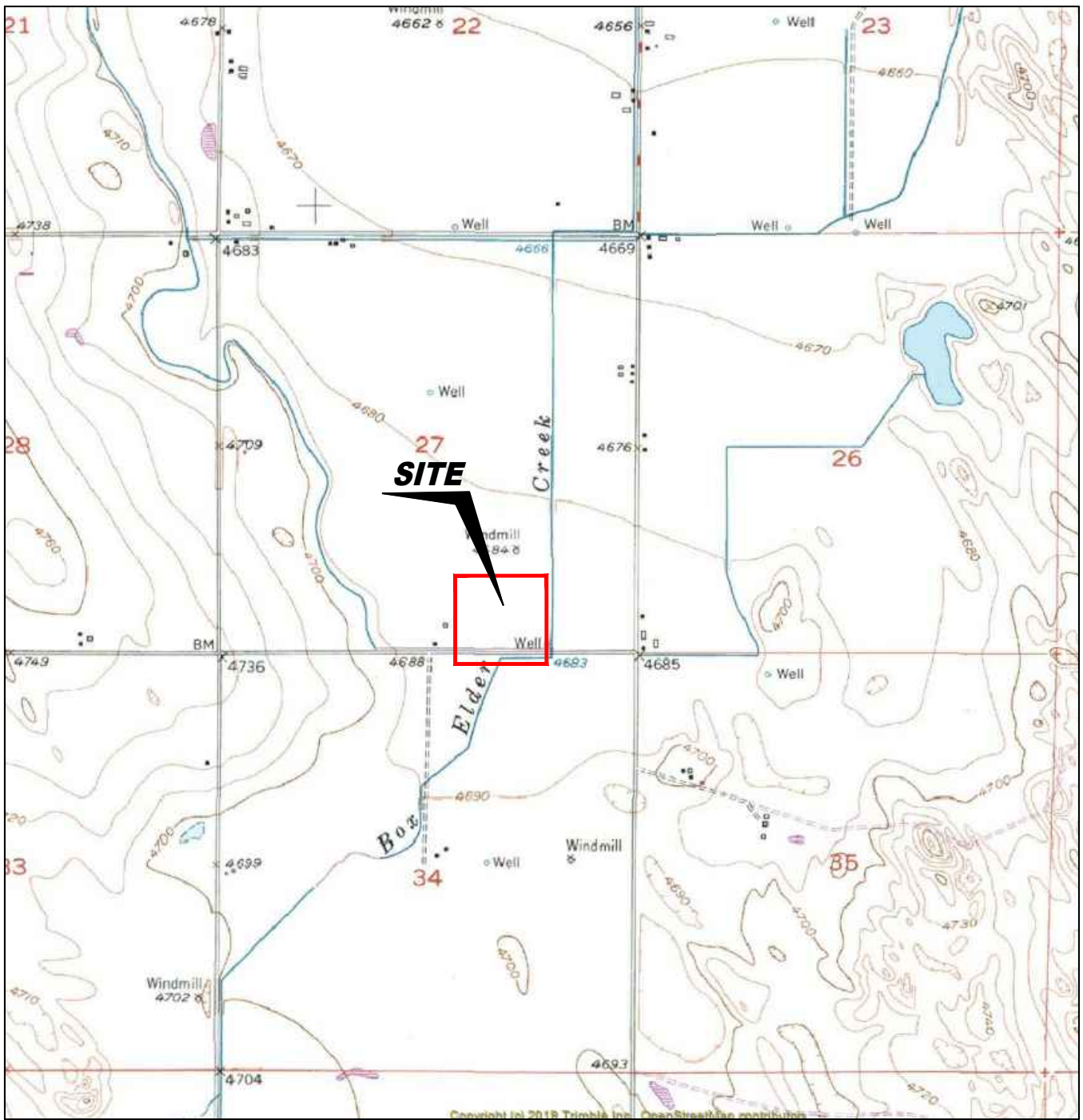
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.



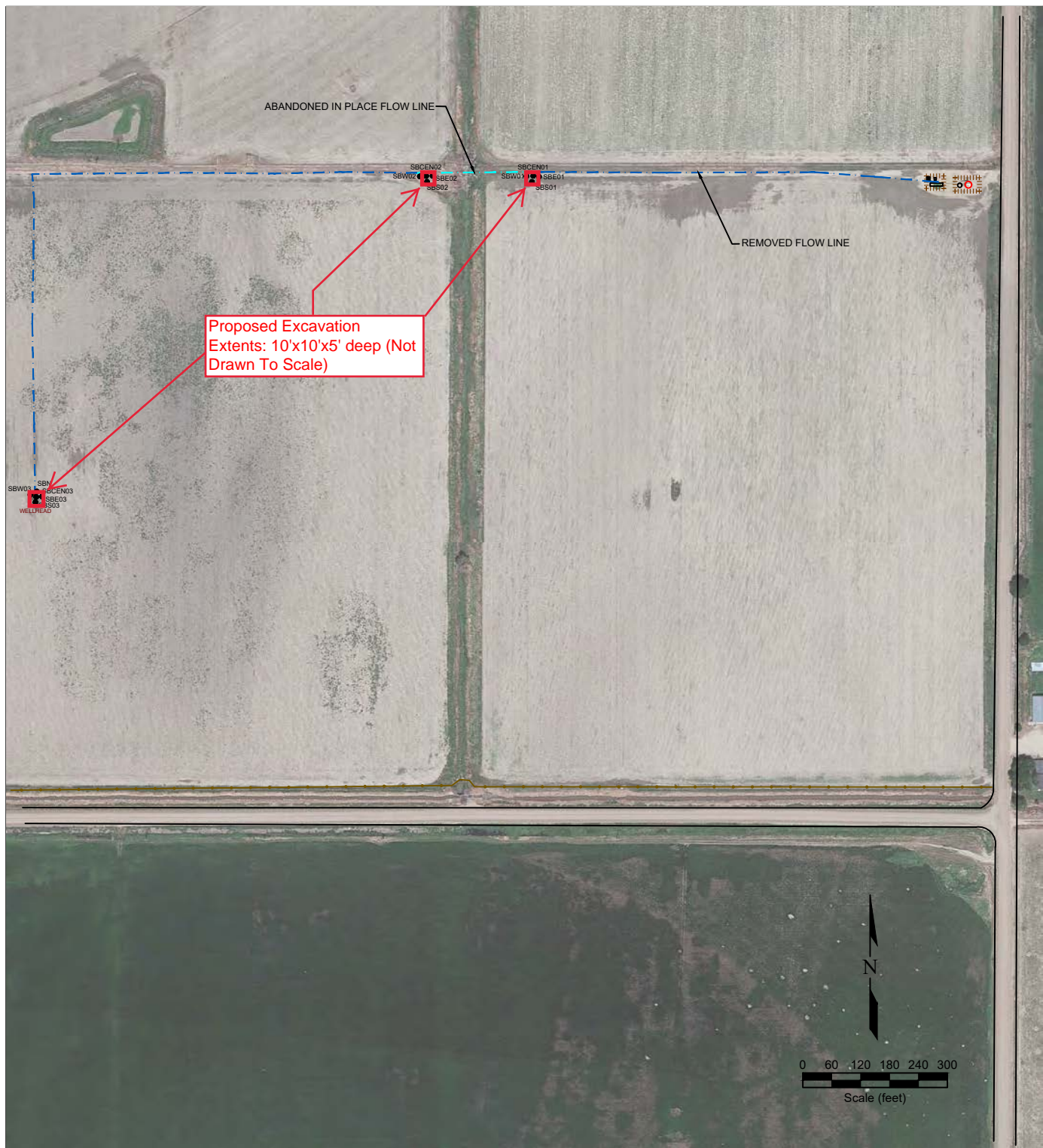
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy, Inc. ~ Lehfeldt C 27-15
 SWSE Sec. 27 T4N, R64W, 6th PM
 Weld County, Colorado
 40.277960°, -104.534730°

Project # C022-207	API # 05-123-13851	Facility #
Date 6/28/24	Remediation # 26094	Filename 22207T2





LEGEND

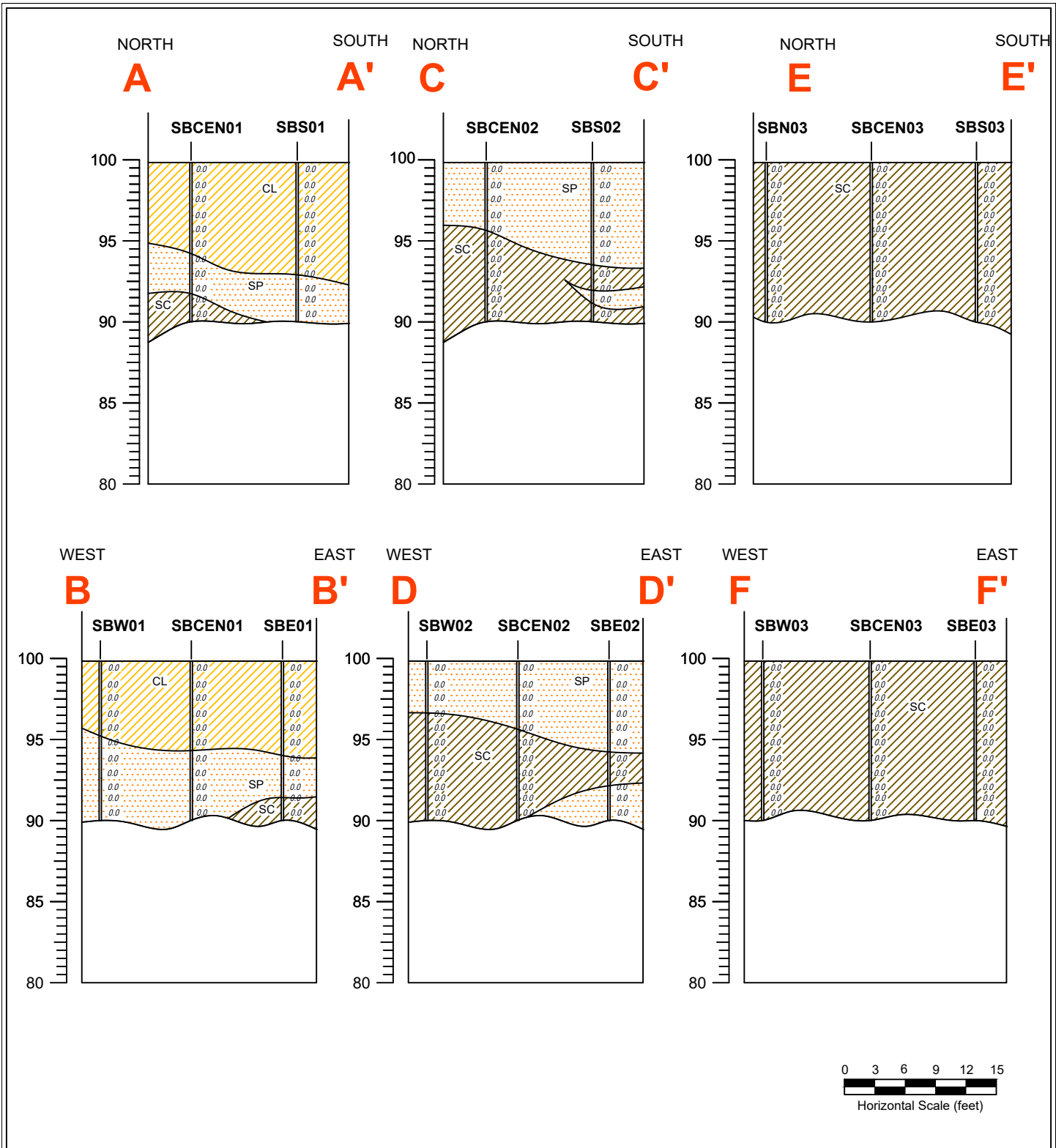
- WELL HEAD LOCATION
- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ▭ BUILDING
- ▭ BUILDING
- ▭ CONTAINMENT WALL
- ▭ CONTAINMENT BERM
- FLOW LINE
- FENCE LINE

**Figure 2
SITE MAP**

Noble Energy, Inc. ~ Lehfeldt C 27-15
 SWSE Sec. 27 T4N, R64W, 6th PM
 Weld County, Colorado
 40.277960°, -104.534730°

Project No. C022-207	API # 05-123-13851	Facility #
Date 6/28/24	Remediation # 26094	Filename 22207Q2





LEGEND

CH Clay, high plasticity	SW Sand, well-graded	Fill
CL Clay, low plasticity	SP Sand, poorly-graded	Asphalt
MH Silt, high plasticity	SC Sand, clayey	Roadbase
ML Silt, low plasticity	SM Sand silty	Basin fill
CH-MH Clay, silty high plasticity	GW Gravel, well-graded	Claystone
CL-ML Clay, silty, low plasticity	GP Gravel	Firm sandy clay
MH-CH Silt, clayey high plasticity	GC Gravel, clayey	Shale
ML-CL Silt, clayey low plasticity	GM Gravel, silty	Sandstone

Figure 4
CROSS SECTIONS A - A' and B - B'

Noble Energy, Inc. ~ Lehfeldt C 27-15
SWSE Sec. 27 T4N, R64W, 6th PM
Weld County, Colorado
40.277960°, -104.534730°

Project No. C022-207	API # 05-123-13851	Facility #
Date 6/28/24	Remediation # 26094	Filename 22207Q2





Figure 5
BACKGROUND SAMPLE SOIL CHEMISTRY MAP

Noble Energy, Inc. ~ Lehfeldt C 27-15
SWSE Sec. 27 T4N, R64W, 6th PM
Weld County, Colorado
40.277960°, -104.534730°

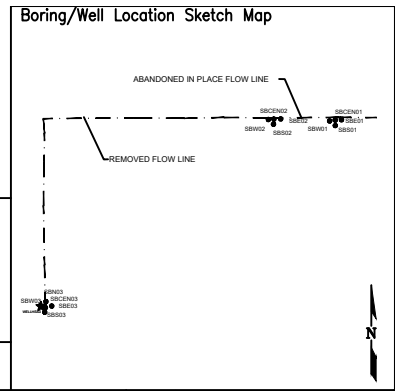
Project No. C022-207	API # 05-123-13851	Facility #
Date 6/28/24	Remediation # 26094	Filename 22207Q2



SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID
DATE	DATE SAMPLED	DATE	DATE SAMPLED
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)
As	<-0.01 ARSENIC (mg/kg)	pH	<-000 SAR (units)
BA	<-0.01 BARIUM (mg/kg)	EC	7.00 pH (pH units)
CD	<-0.01 CADMIUM (mg/kg)	SAR	<1 EC (mmhos/cm)
CR(V)	<-0.05 CHROMIUM (mg/kg)	B	<-2 BORON (mg/L)
CU	<-0.01 COPPER (mg/kg)		
PB	<-0.05 LEAD (mg/kg)		
NI	<-0.05 NICKEL (mg/kg)		
SE	<-0.5 SELENIUM (mg/kg)		
AG	<-0.05 SILVER (mg/kg)		
Z	<-0.05 ZINC (mg/kg)		



BORING/WELL CONSTRUCTION LOG



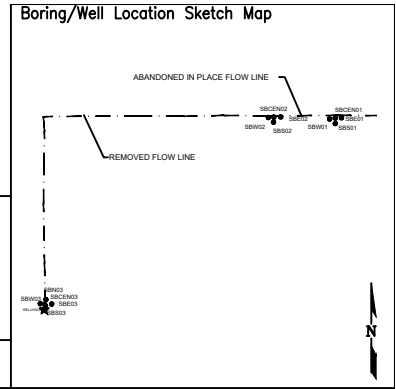
Page 1 of 1

Boring/Well No. SBW03		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By				
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.				
Drilling Equipment/Method Geoprobe			Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION			LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
				GRAPHIC LOG	VISUAL DESCRIPTION				
5				SC	Sandy clay, fine, brown, low plasticity, moist		90%		NA
10				TD 10'			50%		0.0
15									0.0
20									0.0



BORING/WELL CONSTRUCTION LOG



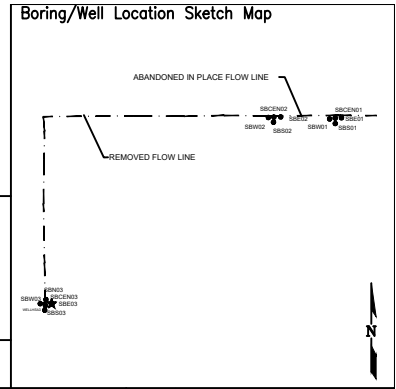
Page 1 of 1

Boring/Well No. SBS03		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By				
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.				
Drilling Equipment/Method Geoprobe			Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION			LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
				GRAPHIC LOG	VISUAL DESCRIPTION				
5			SC	Sandy clay, brown, low plasticity, moist, fine		80%		0.0	
10			TD 10'			50%		0.0	
15								0.0	
20								0.0	



BORING/WELL CONSTRUCTION LOG



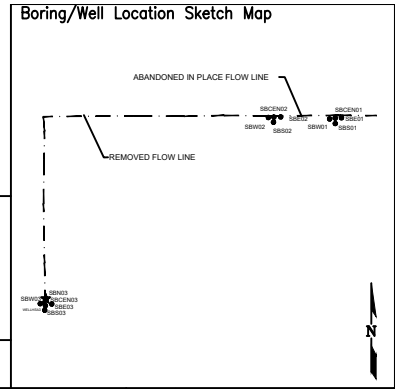
Page 1 of 1

Boring/Well No. SBE03		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By				
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.				
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023			
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	Slot Size
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION		LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
			GRAPHIC LOG	VISUAL DESCRIPTION				
5			SC	Sandy clay, brown, fine, moist		70%		NA
10				TD 10'		40%		0.0
15								0.0
20								0.0



BORING/WELL CONSTRUCTION LOG



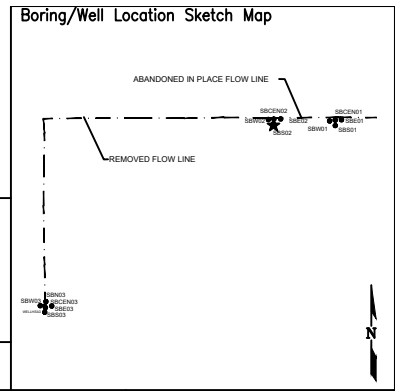
Page 1 of 1

Boring/Well No. SBN03		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By				
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.				
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023			
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	Slot Size
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION		LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
			GRAPHIC LOG	VISUAL DESCRIPTION				
5			SC	Fine sandy clay, brown, non plastic, moist		70%		NA
10				TD 10'		30%		0.0
15								0.0
20								0.0



BORING/WELL CONSTRUCTION LOG



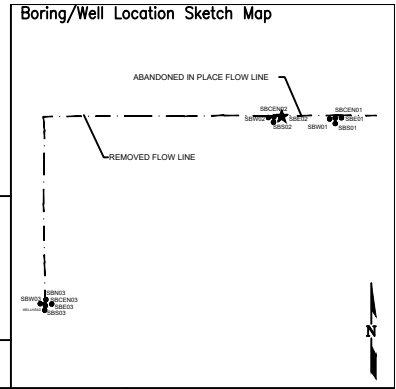
Page 1 of 1

Boring/Well No. SBS02		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado			
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By			
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.			
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured

DEPTH (feet)	WELL CONSTRUCTION			LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
				GRAPHIC LOG	VISUAL DESCRIPTION				
5				SP	Fine brown sands, non-plastic, dry		90%		NA
				SC	Sandy clay, brown, low to medium plasticity, moist				0.0
				SP	Fine grained sands, non-plastic, brown, moist				0.0
				SC	Sandy clays, brown, low to medium plasticity, moist				0.0
				- wet at 10' TD 10'					0.0
10							50%		0.0
									0.0
									0.0
									0.0
									0.0
15									0.0
									0.0
									0.0
									0.0
									0.0
20									0.0
									0.0
									0.0
									0.0
									0.0



BORING/WELL CONSTRUCTION LOG



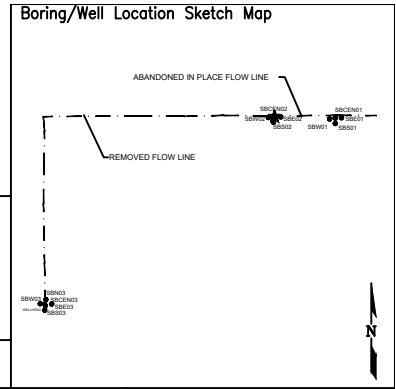
Page 1 of 1

Boring/Well No. SBE02		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado			
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By			
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.			
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type . Mtrl. . Length . Dia. . Slot Size .			
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured

DEPTH (feet)	WELL CONSTRUCTION	LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
		GRAPHIC LOG	VISUAL DESCRIPTION				
5		SP	Fine brown sands, non-plastic, dry		80%		NA
						0.0	
						0.0	
						0.0	
						0.0	
10		SC	Sandy clay, brown, low to medium plasticity, moist		80%		0.0
		SP	Fine brown sands, non-plastic, moist to wet			0.0	
			- wet at 10'			0.0	
			TD 10'			0.0	
						0.0	
15					50%		
20							



BORING/WELL CONSTRUCTION LOG



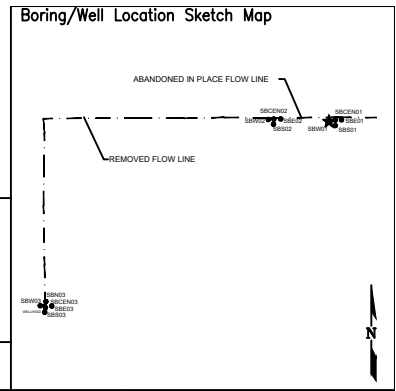
Page 1 of 1

Boring/Well No. SBCE002		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Drilling Contractor/Driller DrillPro / Terrance A				
Geologist/Office Stan Gilbert / Fremont Environmental, Inc.			Approved By				
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023			
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	Slot Size
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION	LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
		GRAPHIC LOG	VISUAL DESCRIPTION				
5	[Well Construction Diagram]	SP	Fine brown sands, non-plastic, dry		50%		NA
		SC	Sandy clay, brown, fine, low to medium plasticity, moist				0.0
							0.0
							0.0
							0.0
10	[Well Construction Diagram]		- wet at 10'				0.0
			TD 10'		50%		0.0
							0.0
							0.0
							0.0
15	[Well Construction Diagram]						0.0
							0.0
							0.0
							0.0
							0.0
20	[Well Construction Diagram]						0.0
							0.0
							0.0
							0.0
							0.0



BORING/WELL CONSTRUCTION LOG



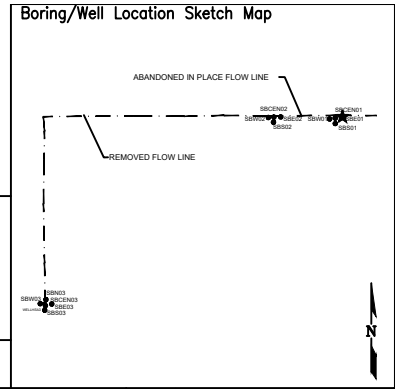
Page 1 of 1

Boring/Well No. SBW01		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Approved By				
Drilling Contractor/Driller DrillPro / Terrance A			Geologist/Office Stan Gilbert / Fremont Environmental, Inc.				
Drilling Equipment/Method Geoprobe			Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION			LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
				GRAPHIC LOG	VISUAL DESCRIPTION				
5				CL	Fine brown sands, medium plasticity, moist		90%		0.0
				0.0					
				0.0					
				0.0					
				0.0					
10				SP	Fine tan sands, non-plastic, moist		80%		0.0
				0.0					
				0.0					
				0.0					
				0.0					
15					Medium sands, non-plastic, wet, tan		50%		0.0
				0.0					
				0.0					
				0.0					
				0.0					
20					TD 10'				0.0
				0.0					
				0.0					
				0.0					
				0.0					



BORING/WELL CONSTRUCTION LOG



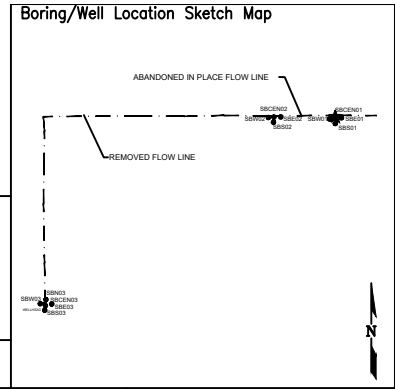
Page 1 of 1

Boring/Well No. SBE01		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Drilling Contractor/Driller DrillPro / Terrance A				
Geologist/Office Stan Gilbert / Fremont Environmental, Inc.			Approved By				
Drilling Equipment/Method Geoprobe		Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023			
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	Slot Size
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION		LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
			GRAPHIC LOG	VISUAL DESCRIPTION				
5			CL	Fine brown and tan sands, clay, medium to high plasticity, moist		80%		0.0
			SP	Fine tan sands, non-plastic, moist				0.0
			SC	Fine tan and brown, sandy clays, low plasticity, moist to wet				0.0
			TD 10'					0.0
			0.0					0.0
10						20%		0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0
15								0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0
20								0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0
			0.0					0.0



BORING/WELL CONSTRUCTION LOG



Page 1 of 1

Boring/Well No. SBCE01		Total Depth 10'	Location Noble Energy, Inc Lehfeldt C 27-15, 16 SESE Sec. 27 T4N, R64W, 6th PM Weld County, Colorado				
Project No./Name C022-207 Noble ~ Lehfeldt C 27-15, 16			Drilling Contractor/Driller DrillPro / Terrance A				
Geologist/Office Stan Gilbert / Fremont Environmental, Inc.			Approved By				
Drilling Equipment/Method Geoprobe			Size/Type of Bit 2.5" direct push	Sampling Method direct push	Start/Finish Date 11/21/2023		
Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Casing Mtrl./Dia.	Screen: Type	Mtrl.	Length	Dia.	
Elevation of: (ft. above datum)		Ground Surface	Top of Well Casing	Top of Screen	Bottom of Screen	Ground Water Surface/Date Measured	

DEPTH (feet)	WELL CONSTRUCTION		LITHOLOGY		Penetration Rate (blows/6")	Recovery (%)	Sample Interval (feet)	PID Values (ppm)
			GRAPHIC LOG	VISUAL DESCRIPTION				
5			CL	Fine brown sands, clay, medium plasticity, moist		90%		0.0
			SP	Fine tan brown sands, non-plastic, moist				0.0
			SC	Fine brown, sandy clays, medium plastic, moist to wet				0.0
			TD 10'					0.0
			0.0					0.0
10						50%		0.0
								0.0
								0.0
								0.0
								0.0
15								0.0
								0.0
								0.0
								0.0
								0.0
20								0.0
								0.0
								0.0
								0.0
								0.0