

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
LUCCI B01-23 FLOWLINE, WELD COUNTY, COLORADO
REM # 30972

Sample ID	Sample Date	Depth	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FLR01@4	10/03/2023	4'	40.42490	-104.49358	-	0.0
FL01-01@4	10/03/2023	4'	40.42479	-104.49324	-	0.0
FL01-2@4	10/03/2023	4'	40.42469	-104.49287	-	0.0
FL01-03@4	10/03/2023	4'	40.42460	-104.49259	-	0.0
FL01-04@4	10/03/2023	4'	40.42440	-104.49195	-	0.0
SEP01-FL	10/03/2023	4'	40.42417	-104.49119	-	0.0
BKG01@4'	10/03/2023	4'	40.42494	-104.49335	-	0.0
BKG02@4'	10/03/2023	4'	40.42496	-104.49376	-	0.0
BKG03@4'	10/03/2023	4'	40.42476	-104.49348	-	0.0
BKG04@4'	10/03/2023	4'	40.42470	-104.49239	-	0.0
BKG05@4'	10/03/2023	4'	40.42452	-104.49172	-	0.0
BKG 1 2ft	11/19/2024	2'	40.42422	-104.49084	0.70	0.0
BKG 1 4ft	11/19/2024	4'	40.42422	-104.49084	0.70	0.0
BKG 1 8.0ft	11/19/2024	8'	40.42422	-104.49084	0.70	0.0
BKG 2 2ft	11/19/2024	2'	40.42409	-104.49077	0.80	0.0
BKG 2 4ft	11/19/2024	4'	40.42409	-104.49077	0.80	0.0
BKG 2 8.0ft	11/19/2024	8'	40.4240911	-104.49077	0.80	0.0
BKG 3 2ft	11/19/2024	2'	40.4238978	-104.49077	0.80	0.0
BKG 3 4ft	11/19/2024	4'	40.4238978	-104.49077	0.80	0.0
BKG 3 8.0ft	11/19/2024	8'	40.4238978	-104.49077	0.80	0.0
BKG 4 2ft	11/19/2024	2'	40.4238747	-104.49101	0.80	0.0
BKG 4 4ft	11/19/2024	4'	40.4238747	-104.49101	0.80	0.0
BKG 4 8.0ft	11/19/2024	8'	40.4238747	-104.49101	0.80	0.0
BKG 5 2ft	11/19/2024	2'	40.423819	-104.491260	0.80	0.0
BKG 5 4ft	11/19/2024	4'	40.423819	-104.491260	0.80	0.0
BKG 5 8.0ft	11/19/2024	8'	40.423819	-104.491260	0.80	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

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
LUCCI B01-23 FLOWLINE, WELD COUNTY, COLORADO
REM # 30972

Sample ID	Sample Date	Depth	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**		
FL01-02@4'	10/03/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<50	<0.50	<50
FL01-03@4'	10/03/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<50	<0.50	<50
FLR01@4'	10/03/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<50	<0.50	<50
SEP01-FL@4'	10/03/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<50	<0.50	<50

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
- (<) = 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
NA - Not analyzed

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
LUCCI B01-23 FLOWLINE, WELD COUNTY, COLORADO
REM # 30972

Sample ID	Sample Date	Depth	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
FL01-02@4'	10/03/2023	4	<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
FL01-03@4'	10/03/2023	4	<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
FLR01@4'	10/03/2023	4	<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
SEP01-FL@4'	10/03/2023	4	<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

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
- (<) = 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
NA = Not analyzed

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LUCCI B01-23 FLOWLINE, WELD COUNTY, COLORADO
REM # 30972

Sample ID	Sample Date	Depth	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
FL01-02@4'	10/03/2023	4	8.06	4.23	11	<2.00
FL01-03@4'	10/03/2023	4	8.65	0.578	3.44	<2.00
FLR01@4'	10/03/2023	4	8.29	1.9	11.9	<2.00
SEP01-FL@4'	10/03/2023	4	8.26	0.135	0.0205	<2.00
BKG 1 2ft	11/19/2024	2	7.73	0.123	0.0150	<2.00
BKG 2 2ft	11/19/2024	2	6.83	0.17	0.0103	<2.00
BKG 3 2ft	11/19/2024	2	7.02	0.0544	0.0043	<2.00
BKG 4 2ft	11/19/2024	2	6.59	0.098	0.0228	<2.00
BKG 5 2ft	11/19/2024	2	6.69	0.201	0.00436	<2.00
BKG01@4'	10/03/2023	4	8.03	6.39	10.6	<2.00
BKG02@4'	10/03/2023	4	8.25	2.05	8.26	<2.00
BKG03@4'	10/03/2023	4	8.36	1.79	5.72	<2.00
BKG04@4'	10/03/2023	4	8.42	2.17	10.6	<2.00
BKG05@4'	10/03/2023	4	8.03	1.11	5.37	<2.00
BKG 1 4ft	11/19/2024	4	8.42	0.153	0.0076	<2.00
BKG 2 4ft	11/19/2024	4	8.3	0.0743	0.129	<2.00
BKG 3 4ft	11/19/2024	4	7.49	0.17	0.0026	<2.00
BKG 4 4ft	11/19/2024	4	7.07	0.148	0.00733	<2.00
BKG 5 4ft	11/19/2024	4	8.28	0.135	0.0482	<2.00
BKG 1 8.0ft	11/19/2024	8	8.91	0.146	0.0763	<2.00
BKG 2 8.0ft	11/19/2024	8	8.45	0.182	0.0631	<2.00
BKG 3 8.0ft	11/19/2024	8	8.95	0.176	0.00904	<2.00
BKG 4 8.0ft	11/19/2024	8	8.6	0.0835	0.0511	<2.00
BKG 5 8.0ft	11/19/2024	8	8.61	0.254	0.584	<2.00
Maximum Background Concentration		2	7.73	0.201	0.0228	<2.00
Maximum Background Concentration		4	8.42	6.39	10.6	<2.00
Maximum Background Concentration		8	8.95	0.254	0.584	<2.00

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/Not applicable

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LUCCI B01-23 FLOWLINE, WELD COUNTY, COLORADO
REM # 30972

Sample ID	Sample Date	Depth	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
FL01-02@4'	10/03/2023	4	3.33	77.9	<0.200	<0.30	4.13	6.63	3.59	<0.260	<0.0200	16.8
FL01-03@4'	10/03/2023	4	4.49	21.3	<0.200	<0.30	1.85	4.29	1.37	<0.260	<0.0200	6.46
FLR01@4'	10/03/2023	4	3.87	96.4	0.253	<0.30	4.7	13	3.37	0.266	0.024	17.3
SEP01-FL@4'	10/03/2023	4	2.36	37.1	<0.200	<0.30	2.28	4.99	1.73	<0.260	<0.0200	10.5
BKG 1 2ft	11/19/2024	2	2.78	61.4	<0.200	<0.30	3.08	13.5	3.32	<0.260	0.021	12.1
BKG 2 2ft	11/19/2024	2	2.17	38.4	<0.200	<0.30	2.15	3.66	2.22	<0.260	<0.0200	9.62
BKG 3 2ft	11/19/2024	2	2.84	48.5	<0.200	<0.30	3.07	4.76	2.93	<0.260	<0.0200	12.4
BKG 4 2ft	11/19/2024	2	2.62	43.6	<0.200	<0.30	2.8	4.37	2.83	<0.260	<0.0200	11.9
BKG 5 2ft	11/19/2024	2	1.67	33.7	<0.200	<0.30	2.38	4.38	2.25	<0.260	<0.0200	9.91
BKG01@4'	10/03/2023	4	2.47	92.8	0.273	<0.30	4.6	7.36	3.5	0.302	0.0317	17.4
BKG02@4'	10/03/2023	4	2.61	26.2	<0.200	<0.30	2.45	4.27	2.26	<0.260	<0.0200	12
BKG03@4'	10/03/2023	4	1.95	33.6	<0.200	<0.30	1.96	3.74	1.63	<0.260	<0.0200	8.82
BKG04@4'	10/03/2023	4	1.61	16.5	<0.200	<0.30	1.65	3.13	1.56	<0.260	<0.0200	7.76
BKG05@4'	10/03/2023	4	2.38	32.7	<0.200	<0.30	2.77	5.34	2.2	<0.260	<0.0200	11.6
BKG 1 4ft	11/19/2024	4	1.85	56.3	<0.200	<0.30	2.25	3.65	2.62	<0.260	<0.0200	9.71
BKG 2 4ft	11/19/2024	4	1.83	37.9	<0.200	<0.30	1.54	2.81	1.78	<0.260	<0.0200	7.39
BKG 3 4ft	11/19/2024	4	2.42	41.9	<0.200	<0.30	2.47	4.35	2.54	<0.260	<0.0200	11.1
BKG 4 4ft	11/19/2024	4	2.15	64.9	<0.200	<0.30	3.05	4.3	2.62	<0.260	<0.0200	10.5
BKG 5 4ft	11/19/2024	4	2.04	39.4	<0.200	<0.30	2.18	3.74	2.42	<0.260	<0.0200	10.1
BKG 1 8.0ft	11/19/2024	8	2.44	42.1	<0.200	<0.30	1.83	3.53	3.69	<0.260	<0.0200	8.98
BKG 2 8.0ft	11/19/2024	8	1.92	42.3	<0.200	<0.30	1.57	2.53	1.76	<0.260	<0.0200	7.9
BKG 3 8.0ft	11/19/2024	8	1.72	54.5	<0.200	<0.30	1.22	2.46	1.62	<0.260	<0.0200	6.73
BKG 4 8.0ft	11/19/2024	8	2.12	119	<0.200	<0.30	1.89	3.83	2.51	<0.260	<0.0200	9.45
BKG 5 8.0ft	11/19/2024	8	1.99	89.6	<0.200	<0.30	1.61	3.43	2.17	<0.260	<0.0200	8.51
1.25x Maximum Background Concentration		2	3.55	76.75	0	0	3.85	16.875	4.15	0	0.02625	15.5
1.25x Maximum Background Concentration		4	3.2625	116	0.34125	0	5.75	9.2	4.375	0.3775	0.039625	21.75
1.25x Maximum Background Concentration		8	3.05	148.75	0	0	2.3625	4.7875	4.6125	0	0	11.8125

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

bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed/Not applicable

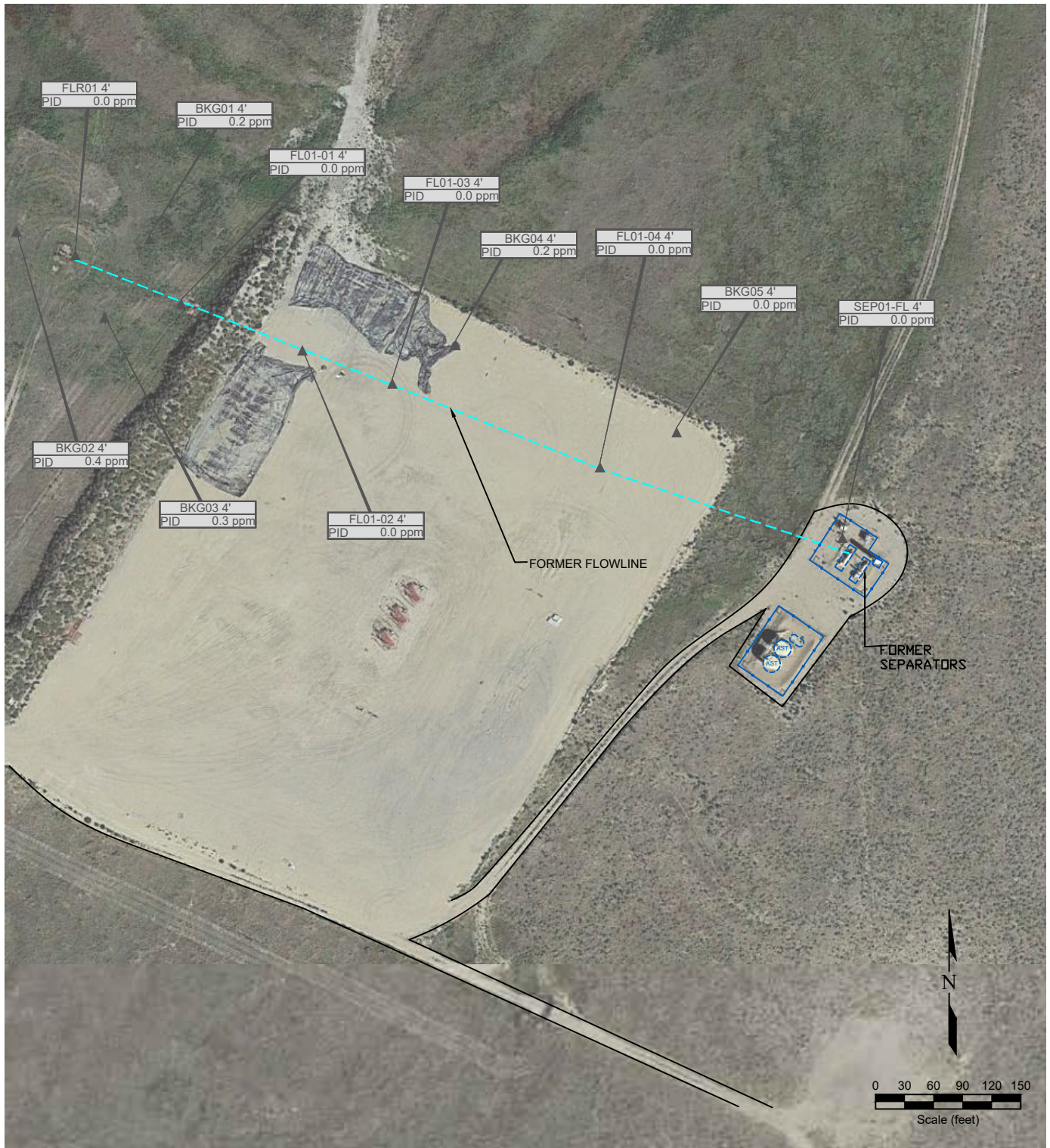


Figure 2
SITE MAP

LUCCI B 1-23 ~ NOBLE ENERGY INC

CSE Sec. 1, T5N, R64W, 6th PM
Weld County, Colorado
40.424910°, -104.493610°

Project No. C023-269	API # 123-21508	Facility #
Date 3/16/24	Remediation # 30908	Filename 23269Q



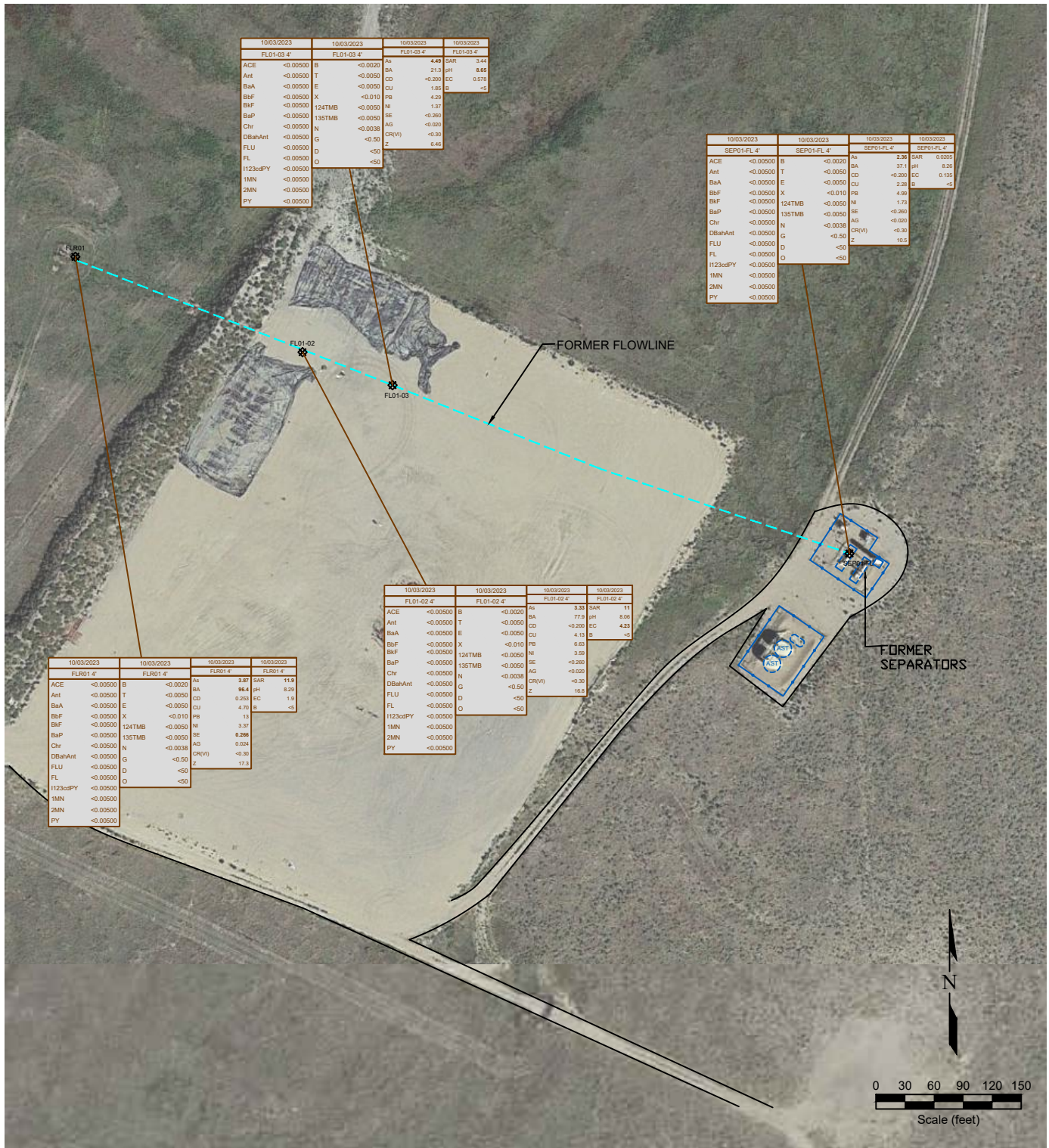


Figure 3
SOIL CHEMISTRY MAP
LUCCI B 1-23 ~ NOBLE ENERGY INC

CSE Sec. 1, T5N, R64W, 6th PM
 Weld County, Colorado
 40.424910°, -104.493610°

03/24/2021	DATE SAMPLED	08/16/2022	DATE SAMPLED
N Wall @ 3'	SAMPLE ID and DEPTH (ft)	K-22-376-3 (01)	SAMPLE ID & DEPTH (ft)
ACE	ACENAPHTHENE (mg/kg)	As	2.44 ARSENIC (mg/kg)
Ant	ANTHRACENE (mg/kg)	BA	28.0 BARIUM (mg/kg)
BaA	BENZO (A) ANTHRACENE (mg/kg)	Co	<0.0045 CADMIUM (mg/kg)
BbF	BENZO (B) FLUORANTHENE (mg/kg)	Cu	<0.45 COPPER (mg/kg)
BkF	BENZO (K) FLUORANTHENE (mg/kg)	Pb	150 LEAD (mg/kg)
BaP	BENZO (A) PYRENE (mg/kg)	Ni	<0.45 NICKEL (mg/kg)
Chr	CHRYSENE (mg/kg)	Se	0.135 SELENIUM (mg/kg)
DBaAnt	DIBENZ (A,H) ANTHRACENE (mg/kg)	Ag	<0.0045 SILVER (mg/kg)
FLU	FLUORANTHENE (mg/kg)	Zn	<94.5 ZINC (mg/kg)
FL	FLUORENE (mg/kg)	Cr(VI)	<0.45 CHROMIUM (mg/kg)
1123cdPY	INDENO (1,2,3-CD) PYRENE (mg/kg)		
1MN	1-METHYLNAPHTHALENE (mg/kg)		
2MN	2-METHYLNAPHTHALENE (mg/kg)		
PY	PYRENE (mg/kg)		

DATE	DATE SAMPLED
ID and Depth (ft)	SAMPLE ID & DEPTH (ft)
As	<0.0020 ARSENIC (mg/kg)
Co	<0.0050 CADMIUM (mg/kg)
Cu	<0.0050 COPPER (mg/kg)
Pb	<0.0050 LEAD (mg/kg)
Ni	<0.0050 NICKEL (mg/kg)
Se	<0.0050 SELENIUM (mg/kg)
Ag	<0.0050 SILVER (mg/kg)
Zn	<0.0050 ZINC (mg/kg)
Cr(VI)	<0.0050 CHROMIUM (mg/kg)

Project No. C023-269	API # 05-123-21508	Facility # N Wall @ 1'
Date 3/16/24	Remediation # 30908	Filename 23269Q



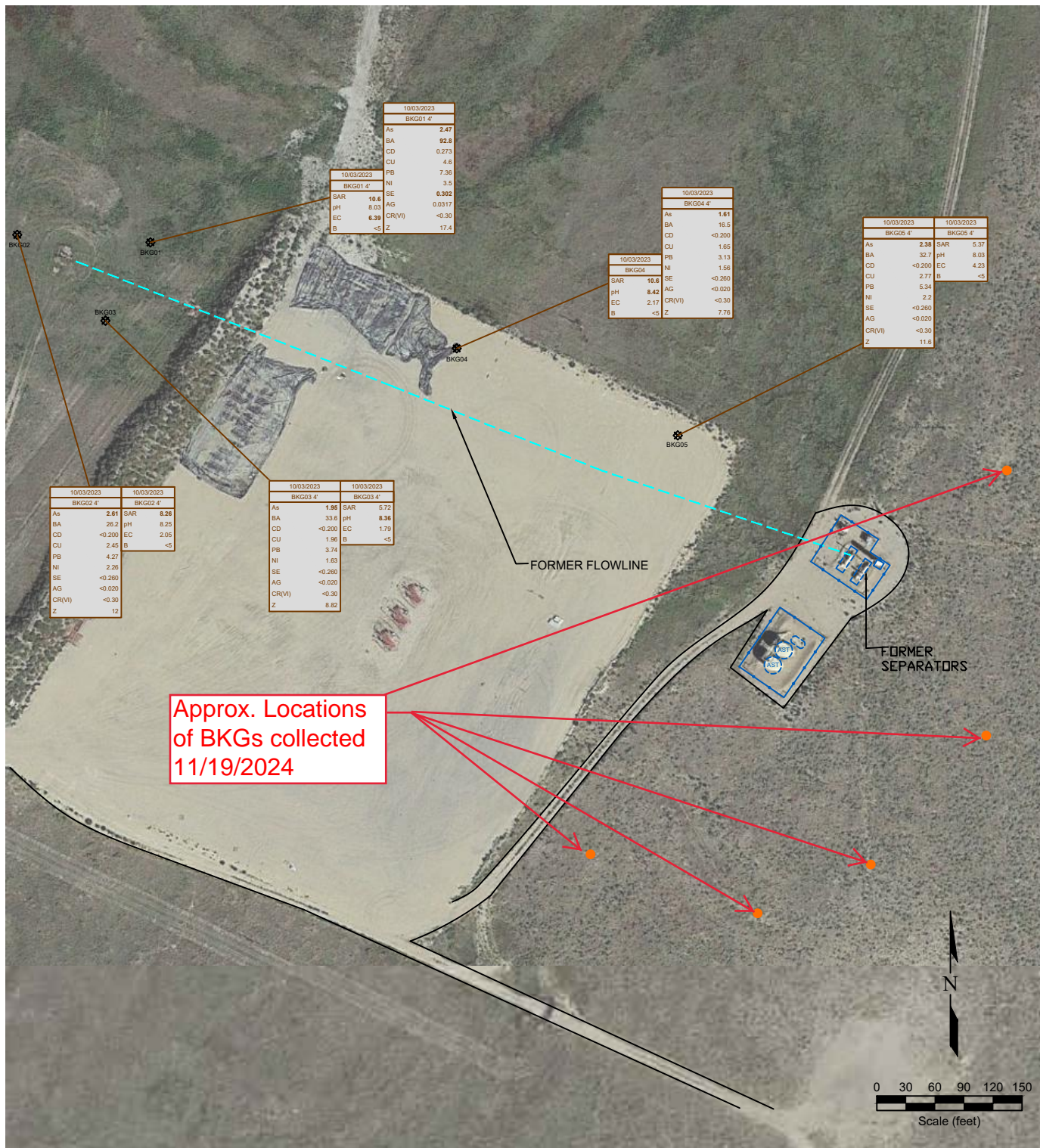


Figure 4
BACKGROUND SOIL CHEMISTRY MAP
LUCCI B 1-23 ~ NOBLE ENERGY INC

CSE Sec. 1, T5N, R64W, 6th PM
 Weld County, Colorado
 40.424910°, -104.493610°

Project No. C023-269	API # 05-123-21508	Facility #	
Date 3/16/24	Remediation # 30908	Filename 23269Q	