



FLOWLINE ABANDONMENT FORM

SITE NAME: Torres-USX AB 35-9							DATE: 11/15/2024	REM. PROJECT #: 35770	WEATHER: Cloudy 50s	
SITE DIRECTIONS: Cr 74 and 59, N .3 mi, W 1/10 into site area							CLIENT: Noble			
LEGALS AND LAT/LONG: 40.528050, -104.510100							TASMAN PERSONNEL: M. Reynolds, J. Basilotta			
SOIL TYPES: Well Graded Sand - SW							SURFACE GRADIENT:			
SOIL SAMPLING							FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT	Quantity	Photo?	
							Above Ground Storage Tank (AST)			
11-15-2024 10:48	FL01-01@4'	0.0	No Staining	No Odor	Yes	Grab	Buried or Partially Buried Vessel			
11-15-2024 11:02	FL01-02@4'	0.0	No Staining	No Odor	Yes	Grab	Separator			
11-15-2024 11:58	FL01-03@4'	0.3	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)			
11-15-2024 12:09	FL01-04@4'	0.0	No Staining	No Odor	Yes	Grab	Dump Line			
11-15-2024 12:17	FL01-05@4'	0.1	No Staining	No Odor	Yes	Grab	Wellhead			
11-15-2024 12:31	FL01-06@4'	0.1	No Staining	No Odor	Yes	Lab	Flowline	1	✓	
11-18-2024 12:49	FL01-07@4'	0.1	No Staining	No Odor	Yes	Lab	Other:			
							Soil Loads Removed			
							IMPACTED SOIL IDENTIFIED?			
							ESTIMATED VOLUME OF IMPACTS:			
							Date	Number	CY	
							Total Removed	0	0	
							Disposal Facility:			
							Groundwater Recovery			
							DATE GW ENCOUNTERED:		DEPTH:	
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?			
							LNAPL OR SHEEN OBSERVED ON GW?			
GROUNDWATER SAMPLING							Date	BBLs		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
							Total Removed	0		
							Disposal Facility:			



Site Area/AOC: Torres-USX AB 35-9 Client: Noble

Daily Forecast/Weather: Cloudy 50s Personnel: M. Reynolds, J. Basilotta





Task/Location Description: Decommissioning

[illegible]

Need a photo log?





Need another General Observation Form?

					
Equipment ID: FL01-01 @ 4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing north					
					
Equipment ID: FL01-02 @ 4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing north					

Photographic Log

					
Equipment ID: FL01-03 @ 4'		Equipment Type: Flowline		Equipment ID: FL01-04 @ 4'	
Material: Steel		Volume:	Contents: Oil/Gas/Water	Material: Steel	
Notes/Conditions: Facing west				Notes/Conditions: Facing west	

Photographic Log

					
Equipment ID: FL01-05 @ 4'		Equipment Type: Flowline		Equipment ID: FL01-06 @ 4'	
Material: Steel	Volume:	Contents: Oil/Gas/Water	Material: Steel	Volume:	Contents: Oil/Gas/Water
Notes/Conditions: Facing east			Notes/Conditions: Facing north		

Photographic Log

											
						Equipment ID: FL01-07 @ 4'		Equipment Type: Flowline			
						Material: Steel	Volume:	Contents: Oil/Gas/Water	Material:	Volume:	Contents:
						Notes/Conditions: Facing north			Notes/Conditions:		



FLOWLINE ABANDONMENT FORM

SITE NAME: Garcia USX AB35-10D							DATE: 11/14/2024	REM. PROJECT #: 37319	WEATHER: Sunny 50s	
SITE DIRECTIONS: Cr 74 and 59, N .3 mi, W 1/10 into site area							CLIENT: Noble			
LEGALS AND LAT/LONG: 40.527124, -140.512689							TASMAN PERSONNEL: M. Reynolds			
SOIL TYPES: Well Graded Sand - SW							SURFACE GRADIENT:			
SOIL SAMPLING							FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT	Quantity	Photo?	
							Above Ground Storage Tank (AST)			
11-14-2024 13:18	FL01R-W@4'	0.3	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel			
11-14-2024 13:25	FL01-01@4'	1.5	No Staining	No Odor	Yes	Grab	Separator			
11-14-2024 13:33	FL01-02@4'	1.4	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)			
11-14-2024 13:46	FL01-03@4'	0.7	No Staining	No Odor	Yes	Grab	Dump Line			
11-14-2024 14:22	FL01-04@4'	0.6	No Staining	No Odor	Yes	Grab	Wellhead			
11-14-2024 14:35	FL01-05@4'	0.6	No Staining	No Odor	Yes	Grab	Flowline	1	✓	
11-14-2024 14:46	FL01-06@4'	0.1	No Staining	No Odor	Yes	Lab	Other:			
11-15-2024 10:05	FL01-07@4'	0.2	No Staining	No Odor	Yes	Grab	Soil Loads Removed			
11-15-2024 10:25	FL01-08@4'	0.0	No Staining	No Odor	Yes	Grab	IMPACTED SOIL IDENTIFIED?			
11-15-2024 10:49	FL01-09@4'	0.2	No Staining	No Odor	Yes	Grab	ESTIMATED VOLUME OF IMPACTS:			
11-15-2024 10:58	FL01-10@4'	0.1	No Staining	No Odor	Yes	Grab	Date	Number	CY	
11-15-2024 11:56	FL01-11@4'	0.6	No Staining	No Odor	Yes	Lab				
11-15-2024 12:07	FL01-12@4'	0.2	No Staining	No Odor	Yes	Grab				
11-15-2024 12:15	FL01-13@4'	0.1	No Staining	No Odor	Yes	Grab				
11-15-2024 12:29	FL01-14@4'	0.2	No Staining	No Odor	Yes	Lab				
11-15-2024 14:05	BKG01@0-1'	0.0	No Staining	No Odor	Yes	Lab	Total Removed	0	0	
11-15-2024 14:07	BKG01@2.5'	0.0	No Staining	No Odor	Yes	Lab	Disposal Facility:			
11-15-2024 14:10	BKG01@4'	0.0	No Staining	No Odor	Yes	Lab	Groundwater Recovery			
11-15-2024 14:13	BKG01@6'	0.0	No Staining	No Odor	Yes	Lab	DATE GW ENCOUNTERED:	DEPTH:		
11-15-2024 13:50	BKG02@0-1'	0.1	No Staining	No Odor	Yes	Lab	GROUNDWATER IN CONTACT WITH IMPACTED SOIL?			
11-15-2024 13:53	BKG02@2.5'	0.1	No Staining	No Odor	Yes	Lab				
11-15-2024 13:56	BKG02@4'	0.1	No Staining	No Odor	Yes	Lab	LNAPL OR SHEEN OBSERVED ON GW?			
GROUNDWATER SAMPLING							Date	BBLs		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
							Total Removed	0		
							Disposal Facility:			

[illegible]



Site Area/AOC: Garcia USX AB35-10D Client: Noble



Daily Forecast/Weather: Sunny 50s Personnel: M. Reynolds

Task/Location Description: Decommissioning




Need a photo log?

Need another General Observation Form?



Photographic Log

					
Equipment ID: FL01R-W@4'		Equipment Type: Flowline		Equipment ID: FL01-01@4'	
Material: Steel		Volume:	Contents: Oil/Gas/Water	Material: Steel	
Notes/Conditions: Facing north				Notes/Conditions: Facing east	



Photographic Log

					
Equipment ID: FL01-02 @ 4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing east					
					
Equipment ID: FL01-03 @ 4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing east					



Photographic Log

							
Equipment ID: FL01-04 @ 4'		Equipment Type: Flowline		Equipment ID: FL01-05 @ 4'		Equipment Type: Flowline	
Material: Steel		Volume:		Contents: Oil/Gas/Water		Material: Steel	
Volume:		Contents: Oil/Gas/Water		Material: Steel		Volume:	
Notes/Conditions: Facing east				Notes/Conditions: Facing east			

Photographic Log

					
Equipment ID: FL01-06 @ 4'		Equipment Type: Flowline		Equipment ID: FL01-07 @ 4'	
Material: Steel		Volume:	Contents: Oil/Gas/Water	Material: Steel	
Notes/Conditions: Facing west				Notes/Conditions: Facing south	


Photographic Log

					
Equipment ID: FL01-08 @ 4'		Equipment Type: Flowline		Equipment ID: FL01-09 @ 4'	
Material: Steel	Volume:	Contents: Oil/Gas/Water	Material: Steel	Volume:	Contents: Oil/Gas/Water
Notes/Conditions: Facing south			Notes/Conditions: Facing north		



Photographic Log

					
Equipment ID: FL01-10@4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing north					
					
Equipment ID: FL01-11@4'		Equipment Type: Flowline			
Material: Steel	Volume:	Contents: Oil/Gas/Water			
Notes/Conditions: Facing west					

Photographic Log

											
Equipment ID: FL01-12@4'		Equipment Type: Flowline		Equipment ID: FL01-13@4'		Equipment Type: Flowline					
Material: Steel		Volume:		Contents: Oil/Gas/Water		Material: Steel		Volume:		Contents: Oil/Gas/Water	
Notes/Conditions: Facing west						Notes/Conditions: Facing east					

Photographic Log

					
Equipment ID: FL01-14 @ 4'		Equipment Type: Flowline		Equipment ID: BKG01	
Material: Steel	Volume:	Contents: Oil/Gas/Water		Material:	Volume:
Notes/Conditions: Facing north			Notes/Conditions: Facing south Top to bottom - @ 0-1', 2.5', 4', 6' Lithology - SW, well graded sand with silt, light tan, medium, f-mg, dry, no staining, no odor		

Photographic Log


Equipment ID:BKG02

Equipment Type:
Material:
Volume:
Contents:

Notes/Conditions: Facing south
Top to bottom - @0-1', 2.5', 4', 6'
Lithology - SW, well graded sand, medium, brown, f-mg, dry-moist, no staining, no odor


Equipment ID:BKG03

Equipment Type:
Material:
Volume:
Contents:

Notes/Conditions: Facing south
Top to bottom - @0-1', 2.5', 4', 6'
Lithology - SW, well graded sand with silt, medium, brown, dry, f-mg, no staining, no odor

Photographic Log


Equipment ID:BKG04

Equipment Type:
Material:
Volume:
Contents:
Notes/Conditions: Facing south
Top to bottom - @2.5', 4', 6', 8
Lithology - SW, well graded sand, medium, light tan, f-mg, dry, no staining, no odor

Equipment ID:BKG05

Equipment Type:
Material:
Volume:
Contents:
Notes/Conditions: Facing north
Top to bottom - @2.5', 4', 6', 8
Lithology - SW, well graded sand, brown, medium, f-mg, moist, no staining, no odor

Photographic Log

											
						Equipment ID: FL01-15 @ 4'		Equipment Type: Flowline			
						Material: Steel		Volume:		Contents: Oil/Gas/Water	
						Notes/Conditions: Facing north					
			Equipment ID:			Equipment Type:					
			Material:			Volume:			Contents:		
						Notes/Conditions:					

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY, INC. (100322)
TORRES USX AB35-09 FLOWLINE, WELD COUNTY, COLORADO
REM # 35770

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FL01R-S@4'	7/23/2024	4	40.529593	-104.508031	0.9	92.2
FL01R-W@3'	7/23/2024	3	40.528046	-104.510119	0.9	0.2
FL01-01@4'	11/15/2024	4	40.528750	-104.510017	0.9	0.0
FL01-02@4'	11/15/2024	4	40.529227	-104.510028	0.8	0.0
FL01-03@4'	11/15/2024	4	40.529741	-104.509950	0.8	0.3
FL01-04@4'	11/15/2024	4	40.529749	-104.509306	0.9	0.0
FL01-05@4'	11/15/2024	4	40.529743	-104.508791	0.9	0.1
FL01-06@4'	11/15/2024	4	40.529761	-104.508042	0.9	0.1
FL01-07@4'	11/15/2024	4	40.529365	-104.510015	0.8	0.1
BKG01@0-1' ⁽³⁾	11/15/2024	0-1	40.529454	-104.508561	0.8	0.0
BKG01@2.5' ⁽³⁾	11/15/2024	2.5	40.529454	-104.508561	0.8	0.0
BKG01@4' ⁽³⁾	11/15/2024	4	40.529454	-104.508561	0.8	0.0
BKG01@6' ⁽³⁾	11/15/2024	6	40.529454	-104.508561	0.8	0.0
BKG02@0-1' ⁽³⁾	11/15/2024	0-1	40.529447	-104.509708	0.7	0.1
BKG02@2.5' ⁽³⁾	11/15/2024	2.5	40.529447	-104.509708	0.7	0.1
BKG02@4' ⁽³⁾	11/15/2024	4	40.529447	-104.509708	0.7	0.1
BKG02@6' ⁽³⁾	11/15/2024	6	40.529447	-104.509708	0.7	0.2
BKG03@0-1' ⁽³⁾	11/15/2024	0-1	40.527848	-104.510618	0.8	0.1
BKG03@2.5' ⁽³⁾	11/15/2024	2.5	40.527848	-104.510618	0.8	0.2
BKG03@4' ⁽³⁾	11/15/2024	4	40.527848	-104.510618	0.8	0.1
BKG03@6' ⁽³⁾	11/15/2024	6	40.527848	-104.510618	0.8	0.0
BKG04@2.5' ⁽³⁾	11/15/2024	2.5	40.527137	-104.513041	0.9	0.1
BKG04@4' ⁽³⁾	11/15/2024	4	40.527137	-104.513041	0.9	0.4
BKG04@6' ⁽³⁾	11/15/2024	6	40.527137	-104.513041	0.9	0.3
BKG04@8' ⁽³⁾	11/15/2024	8	40.527137	-104.513041	0.9	0.2
BKG05@2.5' ⁽³⁾	11/15/2024	2.5	40.526669	-104.512707	0.9	0.2
BKG05@4' ⁽³⁾	11/15/2024	4	40.526669	-104.512707	0.9	0.1
BKG05@6' ⁽³⁾	11/15/2024	6	40.526669	-104.512707	0.9	0.1
BKG05@8' ⁽³⁾	11/15/2024	8	40.526669	-104.512707	0.9	0.1

Notes:

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).
3. Background samples collected under Garcia USX AB35-10D Flowline project (REM# 37319).

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 ENERGY, INC. (100322)
TORRES USX AB35-09 FLOWLINE, WELD COUNTY, COLORADO
REM # 35770

Sample ID	Sample Date	Depth (ft. bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4- Trimethyl- Benzene (mg/kg)	1,3,5- Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
FL01R-S@4'	7/23/2024	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
FL01R-W@3'	7/23/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
FL01-03@4'	11/15/2024	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
FL01-06@4'	11/15/2024	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
FL01-07@4'	11/15/2024	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50

Notes:

** Summation of GRO+DRO+ORO must be less than 500 mg/kg.

ECMC = Energy & Carbon Management Commission

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

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. (100322)
TORRES USX AB35-09 FLOWLINE, WELD COUNTY, COLORADO
REM # 35770

Sample ID	Sample Date	Depth (ft. bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
FL01R-S@4'	7/23/2024	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
FL01R-W@3'	7/23/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00564	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL01-03@4'	11/15/2024	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
FL01-06@4'	11/15/2024	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
FL01-07@4'	11/15/2024	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

Notes:

ECMC = Colorado Energy & Carbon Management Commission

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

ft. = Feet

bgs = Below ground surface

mg/kg = Milligrams per kilogram

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY, INC. (100322)
TORRES USX AB35-09 FLOWLINE, WELD COUNTY, COLORADO
REM # 35770

Sample ID	Sample Date	Depth (ft. bgs)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
FL01R-S@4'	7/23/2024	4	8.77	0.156	0.0592	<2.00
FL01R-W@3'	7/23/2024	3	8.11	0.485	0.628	<2.00
FL01-03@4'	11/15/2024	4	8.15	0.864	2.38	<2.00
FL01-06@4'	11/15/2024	4	8.13	1.80	2.45	<2.00
FL01-07@4'	11/15/2024	4	8.79	0.616	2.18	<2.00
BKG01@0-1' ⁽³⁾	11/15/2024	0-1	7.81	0.549	0.119	<2.00
BKG01@2.5' ⁽³⁾	11/15/2024	2.5	8.68	0.977	0.193	<2.00
BKG01@4' ⁽³⁾	11/15/2024	4	8.40	4.64	11.6	<2.00
BKG01@6' ⁽³⁾	11/15/2024	6	8.21	5.61	9.76	<2.00
BKG02@0-1' ⁽³⁾	11/15/2024	0-1	8.27	0.498	0.254	<2.00
BKG02@2.5' ⁽³⁾	11/15/2024	2.5	7.96	3.26	3.12	<2.00
BKG02@4' ⁽³⁾	11/15/2024	4	8.28	2.54	4.16	<2.00
BKG02@6' ⁽³⁾	11/15/2024	6	8.37	2.17	5.29	<2.00
BKG03@0-1' ⁽³⁾	11/15/2024	0-1	7.90	0.260	0.144	<2.00
BKG03@2.5' ⁽³⁾	11/15/2024	2.5	8.20	0.376	1.31	<2.00
BKG03@4' ⁽³⁾	11/15/2024	4	8.25	2.75	8.08	<2.00
BKG03@6' ⁽³⁾	11/15/2024	6	8.12	1.58	5.02	<2.00
BKG04@2.5' ⁽³⁾	11/15/2024	2.5	8.56	3.44	9.73	<2.00
BKG04@4' ⁽³⁾	11/15/2024	4	8.44	1.35	4.90	<2.00
BKG04@6' ⁽³⁾	11/15/2024	6	8.26	3.58	6.01	<2.00
BKG04@8' ⁽³⁾	11/15/2024	8	8.28	2.25	6.10	<2.00
BKG05@2.5' ⁽³⁾	11/15/2024	2.5	8.16	5.57	7.58	<2.00
BKG05@4' ⁽³⁾	11/15/2024	4	8.19	6.34	12.6	<2.00
BKG05@6' ⁽³⁾	11/15/2024	6	8.34	2.90	11.9	<2.00
BKG05@8' ⁽³⁾	11/15/2024	8	7.95	2.45	3.60	<2.00
Maximum Background Concentration			8.68	-	-	-

Notes:

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s) above native background concentrations.
2. Brown highlighted soil analytical values indicate a regulatory exceedance.
3. Background samples collected under Garcia USX AB35-10D Flowline project (REM# 37319).

ECMC = Colorado Energy & Carbon Management Commission

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligram per liter

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

ft. = Feet

bgs = Below ground surface

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. (100322)
TORRES USX AB35-09 FLOWLINE, WELD COUNTY, COLORADO
REM # 35770

Sample ID	Sample Date	Depth (ft. bgs)	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	15,000	71	0.3	3,100	400	1,500	390	390	23,000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FL01R-S@4'	7/23/2024	4	1.38	44.9	0.256	<0.30*	5.52	6.83	4.54	<0.260	0.0272	25.6
FL01R-W@3'	7/23/2024	3	1.88	44.7	<0.200	<0.30*	3.30	4.43	3.48	<0.260	<0.0200	15.1
FL01-03@4'	11/15/2024	4	4.54	98.8	0.264	<0.30*	5.02	8.74	5.39	<0.260	0.0493	22.6
FL01-06@4'	11/15/2024	4	3.42	76.0	0.239	<0.30*	3.97	7.86	5.42	<0.260	0.0295	36.4
FL01-07@4'	11/15/2024	4	2.14	43.0	0.412	<0.30*	6.34	9.91	5.01	<0.260	0.0332	29.8
BKG01@0-1' ⁽³⁾	11/15/2024	0-1	3.87	80.8	0.275	<0.30*	5.44	7.62	5.45	<0.260	0.0412	21.4
BKG01@2.5' ⁽³⁾	11/15/2024	2.5	1.60	21.9	<0.200	<0.30*	2.05	3.49	2.89	<0.260	<0.0200	11.3
BKG01@4' ⁽³⁾	11/15/2024	4	2.97	29.5	0.358	<0.30*	4.88	7.63	5.67	<0.260	0.0254	34.8
BKG01@6' ⁽³⁾	11/15/2024	6	9.58	240	0.312	<0.30*	6.03	8.92	6.14	<0.260	0.0321	34.2
BKG02@0-1' ⁽³⁾	11/15/2024	0-1	3.44	60.4	0.271	<0.30*	5.50	7.83	5.08	<0.260	0.0329	21.9
BKG02@2.5' ⁽³⁾	11/15/2024	2.5	4.33	77.5	0.271	<0.30*	5.86	8.65	5.61	0.277	0.0573	24.8
BKG02@4' ⁽³⁾	11/15/2024	4	3.64	77.0	0.241	<0.30*	5.15	7.73	4.99	0.296	0.0506	22.4
BKG02@6' ⁽³⁾	11/15/2024	6	3.76	104	0.269	<0.30*	4.99	7.02	4.75	<0.260	0.0348	20.8
BKG03@0-1' ⁽³⁾	11/15/2024	0-1	3.72	74.5	0.327	<0.30*	6.15	9.41	6.09	<0.260	0.0489	25.8
BKG03@2.5' ⁽³⁾	11/15/2024	2.5	3.95	58.9	0.300	<0.30*	4.73	9.70	5.39	<0.260	0.0587	23.7
BKG03@4' ⁽³⁾	11/15/2024	4	5.85	33.2	0.297	<0.30*	6.65	13.4	6.00	<0.260	0.0350	27.3
BKG03@6' ⁽³⁾	11/15/2024	6	3.19	38.0	0.287	<0.30*	5.01	7.75	4.58	<0.260	0.0442	23.9
BKG04@2.5' ⁽³⁾	11/15/2024	2.5	2.52	66.5	0.243	<0.30*	3.89	6.01	4.50	<0.260	0.0341	16.0
BKG04@4' ⁽³⁾	11/15/2024	4	3.98	288	0.376	<0.30*	6.23	8.95	6.66	<0.260	0.0519	22.7
BKG04@6' ⁽³⁾	11/15/2024	6	3.64	78.8	0.228	<0.30*	5.15	6.82	5.87	<0.260	0.0346	20.3
BKG04@8' ⁽³⁾	11/15/2024	8	4.14	115	0.263	<0.30*	4.98	7.75	5.93	<0.260	0.0430	19.9
BKG05@2.5' ⁽³⁾	11/15/2024	2.5	4.58	101	0.283	<0.30*	5.24	7.48	4.42	<0.260	0.0369	21.4
BKG05@4' ⁽³⁾	11/15/2024	4	4.28	150	0.316	<0.30*	5.06	9.61	4.52	0.586	0.0554	29.5
BKG05@6' ⁽³⁾	11/15/2024	6	4.54	122	0.248	<0.30*	3.92	7.60	4.72	<0.260	0.0347	20.0
BKG05@8' ⁽³⁾	11/15/2024	8	3.92	106	0.263	<0.30*	5.37	7.87	6.01	<0.260	0.0550	21.4
Maximum Background Concentrations x 1.25			11.98	360	0.470	-	-	-	-	-	-	-

Notes:

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
3. Background samples collected under Garcia USX AB35-10D Flowline project (REM# 37319).

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



