

FORM 19 DATA PACKET
NENE 15-6N-64W SPEICHER TB LOC

ECMC REMEDIATION # 39119

Prepared for:

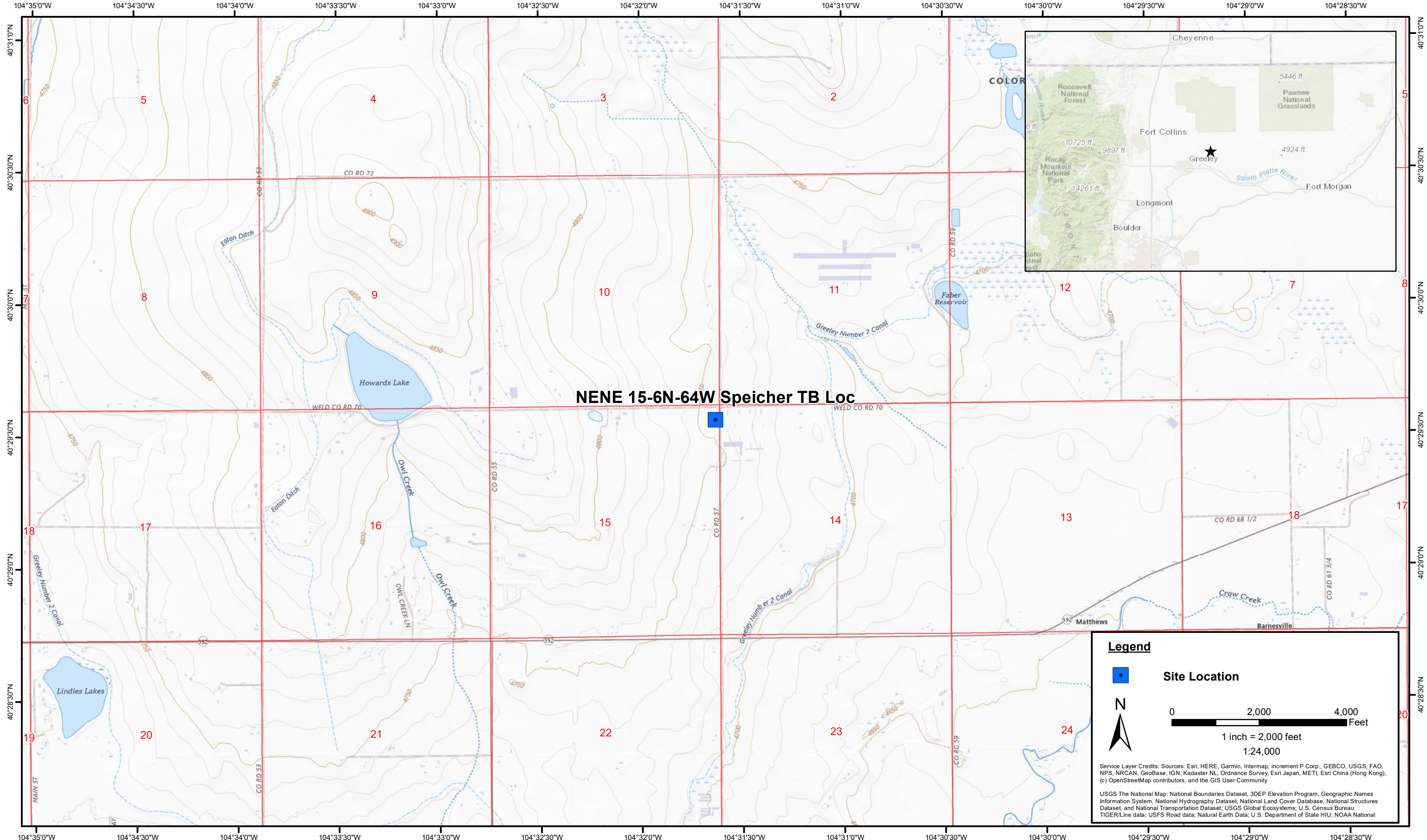


1099 18th Street
Suite 1500
Denver, CO 80202

Prepared by:



4725 Independence Street
Wheat Ridge, CO 80033



NENE 15-6N-64W Speicher TB Loc

Legend

Site Location

N

0 2,000 4,000 Feet

1 inch = 2,000 feet
1:24,000

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National

DATE:	June 2025
DESIGNED BY:	J. Whritenour
DRAWN BY:	J. Woffinden



Tasman, Inc.
4725 Independence St.
Wheat Ridge, CO 80033

Noble Energy, Inc. – 100322 – DJ Basin
NENE 15-6N-64W Speicher TB Loc
 NENE, Section 15, Township 6 North, Range 64 West
 Weld County, Colorado

Site Location Map

Figure
1



FLARE01@0-6"
 (05/13/2025)
 PID = 0.5 ppm

MH01@0-6"
 (05/13/2025)
 PID = 0.4 ppm

SEP01-FL@3'
 (05/13/2025)
 PID = 0.3 ppm

SEP01-DL@3'
 (05/13/2025)
 PID = 0.1 ppm

PWV01-N@3'
 (05/13/2025)
 PID = 0.9 ppm

PWV01-B@5'
 (05/13/2025)
 PID = 0.4 ppm

PWV01-W@3'
 (05/13/2025)
 PID = 0.0 ppm

PWV01-E@3'
 (05/13/2025)
 PID = 0.4 ppm

PWV01-S@3'
 (05/13/2025)
 PID = 0.2 ppm

AST01@0-6"
 (05/13/2025)
 PID = 0.7 ppm

BKG01@0-6"
 (05/13/2025)
 PID = 0.0 ppm

BKG01@3'
 (05/13/2025)
 PID = 1.4 ppm

BKG01@5'
 (05/13/2025)
 PID = 0.7 ppm

DATE: June 17, 2025

DESIGNED BY: J. Whritenour

DRAWN BY: J. Gustafson



Noble Energy, Inc - 100322
NENE 15-6N-64W Speicher TB Loc
 NENE, Section 15, Township 6 North, Range 64 West
 Weld County, Colorado

SOIL SAMPLE LOCATION MAP (TANK BATTERY)

FIGURE 2

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY, INC. (100322)
NENE 15-6N-64W SPEICHER TB LOC, WELD COUNTY, COLORADO
REM # 39119

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude/Longitude			
AST01@0-6"	5/13/2025	0-0.5	40.492205	-104.527144	1.0	0.7
PWV01-N@3'	5/13/2025	3	40.492267	-104.527147	0.8	0.9
PWV01-E@3'	5/13/2025	3	40.492242	-104.527102	0.8	0.4
PWV01-S@3'	5/13/2025	3	40.492212	-104.527143	0.8	0.2
PWV01-W@3'	5/13/2025	3	40.492238	-104.527182	0.8	0.0
PWV01-B@5'	5/13/2025	5	40.492241	-104.527143	0.8	0.4
SEP01-DL@3'	5/13/2025	3	40.492468	-104.527100	0.7	0.1
SEP01-FL@3'	5/13/2025	3	40.492451	-104.527179	0.8	0.3
MH01@0-6"	5/13/2025	0-0.5	40.492485	-104.527082	0.9	0.4
FLARE01@0-6"	5/13/2025	0-0.5	40.492481	-104.527216	0.9	0.5
BKG01@0-6"	5/13/2025	0-0.5	40.491964	-104.527437	0.8	0.0
BKG01@3'	5/13/2025	3	40.491964	-104.527437	0.8	1.4
BKG01@5'	5/13/2025	5	40.491964	-104.527437	0.8	0.7

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

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. (100322)
NENE 15-6N-64W SPEICHER TB LOC, WELD COUNTY, COLORADO
REM # 39119

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**		
AST01@0-6"	5/13/2025	0-0.5	<0.0011	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0024	<11.7	<0.22	<4.6	<6.9
PWV01-N@3'	5/13/2025	3	<0.0012	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	68.0	<0.23	36.7	31.1
PWV01-B@5'	5/13/2025	5	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0024	19.1	<0.23	10.8	8.03
SEP01-DL@3'	5/13/2025	3	<0.0011	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<11.7	<0.22	<4.6	<6.9
SEP01-FL@3'	5/13/2025	3	<0.0011	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	0.0055	10.98	<0.21	4.95	5.82

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. ** 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

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. (100322)
NENE 15-6N-64W SPEICHER TB LOC, WELD COUNTY, COLORADO
REM # 39119

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	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
AST01@0-6"	5/13/2025	0-0.5	<0.0048	<0.0048	<0.0060	0.0033	0.0046	0.0024	0.0026	<0.0048	0.0024	<0.0048	<0.0048	0.0029	<0.0048	<0.0048
PWV01-N@3'	5/13/2025	3	<0.0047	<0.0047	<0.0059	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
PWV01-B@5'	5/13/2025	5	<0.0048	<0.0048	0.0055	<0.0048	0.0026	<0.0048	0.0031	<0.0048	0.0036	0.0097	<0.0048	0.0036	<0.0048	0.0026
SEP01-DL@3'	5/13/2025	3	<0.0045	<0.0045	<0.0056	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SEP01-FL@3'	5/13/2025	3	0.0318	0.0740	0.0717	0.0659	0.104	0.0258	0.0785	0.0098	0.234	0.0368	0.0294	0.187	<0.0045	0.0030

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)

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

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY, INC. (100322)
NENE 15-6N-64W SPEICHER TB LOC, WELD COUNTY, COLORADO
REM # 39119

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
AST01@0-6"	5/13/2025	0-0.5	7.41	0.773	2.15	<0.50
PWV01-N@3'	5/13/2025	3	7.62	2.79	4.89	<0.50
PWV01-B@5'	5/13/2025	5	7.77	2.42	6.86	<0.50
SEP01-DL@3'	5/13/2025	3	7.93	2.02	2.86	<0.50
SEP01-FL@3'	5/13/2025	3	7.31	4.60	6.16	<0.50
BKG01@0-6"	5/13/2025	0-0.5	7.52	4.52	8.06	<0.50
BKG01@3'	5/13/2025	3	7.92	2.16	9.13	<0.50
BKG01@5'	5/13/2025	5	7.83	1.85	7.92	<0.50
Maximum Background Concentration			-	4.52	9.13	-

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.

mg/L = Milligrams per liter

ft. = Feet

bgs = Below ground surface

mmhos/cm = Millimohs per centimeter

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. (100322)
NENE 15-6N-64W SPEICHER TB LOC, WELD COUNTY, COLORADO
REM # 39119

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	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
AST01@0-6"	5/13/2025	0-0.5	3.6	89.5	<0.30	0.52	8.0	9.8	7.3	3.3	<0.60	31.4
PWV01-N@3'	5/13/2025	3	2.4	71.4	<0.30	<0.46*	7.5	7.6	7.0	3.4	<0.60	28.0
PWV01-B@5'	5/13/2025	5	3.5	69.7	<0.30	<0.47*	6.1	5.8	6.0	2.6	<0.60	24.3
SEP01-DL@3'	5/13/2025	3	2.6	71.2	<0.28	0.49	6.9	6.4	5.7	2.8	<0.56	26.8
SEP01-FL@3'	5/13/2025	3	2.8	66.7	<0.28	<0.46*	7.1	6.1	6.2	2.9	<0.55	25.4
BKG01@0-6"	5/13/2025	0-0.5	3.6	47.6	<0.27	<0.43*	5.3	6.1	4.6	2.7	<0.55	20.0
BKG01@3'	5/13/2025	3	3.5	58.7	<0.28	<0.48*	6.4	6.5	7.0	3.1	<0.56	22.8
BKG01@5'	5/13/2025	5	3.4	653	<0.28	<0.48*	6.6	6.1	6.5	3.3	<0.57	24.8
1.25x Maximum Background Concentration			4.5	816	-	0.60 ^(d)	-	-	-	4.1	-	-

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.
5. * Indicates laboratory minimum detection limit in excess of SSL.

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



TANK BATTERY DECOMMISSIONING FORM

CLIENT: Noble		SITE NAME: NENE 15-6N-64W Speicher TB Loc					DATE: 5/13/2025	REM. PROJECT #: 39119	WEATHER: Sunny 80s	
SITE DIRECTIONS: CR 70 and 57, S 1/10, W 1/10 into site area							JOB#: 10457			
LEGALS AND LAT/LONG: NENE, S15, T6N, R64W / 40.492155, -104.527082							TASMAN PERSONNEL: M. Reynolds, P. Downs			
SOIL TYPES: Well Graded Sand - SW							SURFACE GRADIENT: North			
SOIL SAMPLING							FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT	Quantity		
							Above Ground Storage Tank (AST)	1	✓	
05-13-2025 09:21	AST01@0-6"	0.7	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel	1	✓	
05-13-2025 12:15	PWV01-N@3'	0.9	No Staining	No Odor	Yes	Lab	Separator	1	✓	
05-13-2025 12:00	PWV01-E@3'	0.4	No Staining	No Odor	Yes	On-hold	Emission Control Device (ECD)			
05-13-2025 12:04	PWV01-S@3'	0.2	No Staining	No Odor	Yes	On-hold	Dump Line			
05-13-2025 12:10	PWV01-W@3'	0.0	No Staining	No Odor	Yes	On-hold	Wellhead			
05-13-2025 12:07	PWV01-B@5'	0.4	No Staining	No Odor	Yes	Lab	Flowline			
05-13-2025 11:53	SEP01-DL@3'	0.1	No Staining	No Odor	Yes	Lab	Other: Meter Houee/Flare	1/1	✓	
05-13-2025 11:50	SEP01-FL@3'	0.3	No Staining	No Odor	Yes	Lab	Soil Loads Removed			
05-13-2025 09:27	MH01@0-6"	0.4	No Staining	No Odor	Yes	Grab	IMPACTED SOIL IDENTIFIED?			
05-13-2025 09:29	FLARE01@0-6"	0.5	No Staining	No Odor	Yes	Grab	ESTIMATED VOLUME OF IMPACTS:			
05-13-2025 12:50	BKG01@0-6"	0.0	No Staining	No Odor	Yes	Lab	Date	Number	CY	
05-13-2025 12:54	BKG01@3'	1.4	No Staining	No Odor	Yes	Lab				
05-13-2025 12:58	BKG01@5'	0.7	No Staining	No Odor	Yes	Lab				
							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:			

Chevron Rockies Business Unit

Field Qualitative Criteria for ECMC Reporting Associated with the Discovery of Potentially Impacted Material

If answered **Yes** to any of the questions listed below, this may suggest the presence of potentially impacted materials as outlined in ECMC Rule 912. Out of an abundance of caution, a “Yes” response will be reported to the ECMC within 24 hours after discovery, regardless of laboratory results. **Immediately notify the RBU Remediation Team.** Include a copy of this Field Qualitative Spill Criteria Checklist in the field Report.

Please answer the following questions when on-site:

1. Is there visible petroleum hydrocarbon staining in the soil? No_____
2. Does the soil sample from the stained area have a petroleum odor? No_____
3. Is there a petroleum hydrocarbon sheen on the nearby surface water? No_____
4. Does there appear to be a sheen of the surface of accumulated groundwater or seeps within the excavation indicative of petroleum? No_____
5. Is stained soil in contact with groundwater? No_____

Please Include relevant photos of the site conditions for items 1-5.

Location name: NENE 15-6N-64W Speicher TB Loc

Please Circle Facility Type: Production Facility

Photographic Log


Equipment ID: AST01@0-6"	Equipment Type: Above Ground Storage Tank	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: Facing north		

Equipment ID: PWV01-N@3'	Equipment Type: Partially Buried Vault	
Material: Concrete	Volume:	Contents: Produced Water
Notes/Conditions: Facing west		



Equipment ID: PWV01-E@3'	Equipment Type: Partially Buried Vault	
Material: Concrete	Volume:	Contents: Produced Water
Notes/Conditions: Facing west		

Equipment ID: PWV01-S@	Equipment Type: Partially Buried Vault	
Material: Concrete	Volume:	Contents: Produced Water
Notes/Conditions: Facing		

Photographic Log


Equipment ID: PWV01-W@3'	Equipment Type: Partially Buried Vault	
Material: Concrete	Volume:	Contents: Produced Water
Notes/Conditions: Facing west		

Equipment ID: PWV01-B@5'	Equipment Type: Partially Buried Vault	
Material: Concrete	Volume:	Contents: Produced Water
Notes/Conditions: Facing west		

Photographic Log



Equipment ID: SEP01-DL@3'		Equipment Type: Separator			Equipment ID: SEP01-FL@3'		Equipment Type: Partially Buried Vault		
Material: Steel		Volume:	Contents: Production Fluids		Material: Steel		Volume:	Contents: Production Fluids	
Notes/Conditions: Facing north					Notes/Conditions: Facing north				

Photographic Log


Equipment ID: MH01@0-6"		Equipment Type: Meter House	
Material: Steel	Volume:	Contents:	
Notes/Conditions: Facing north			

Equipment ID: FLARE01@0-6"		Equipment Type: Flare	
Material: Steel	Volume:	Contents: Oil/Gas/Water	
Notes/Conditions: Facing north			

Photographic Log

									
Equipment ID: BKG01		Equipment Type:		Equipment ID:		Equipment Type:			
Material:		Volume:		Material:		Volume:		Contents:	
Notes/Conditions: Facing				Notes/Conditions:					