



CDH Consulting, LLC
Thornton, Colorado
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Wellhead Closure Investigation and Environmental Summary

MCMILLEN TRUST 19-14G Wellhead

ECMC Remediation Project #34834

Weld County, Colorado

Attachments:

Field Form

Figure 1 – Site Location Map

Figure 2 – Soil Sample and Field Screening Locations Map

Table 1 – Field Data Summary Table

Table 2 – Summary of Volatile Organic Soil Chemistry Data

Table 3 – Summary of Polycyclic Aromatic Hydrocarbon Soil Chemistry Data

Table 4 – Summary of Soil Suitability for Reclamation

Table 5 – Summary of Metals in Soil Chemistry Data

Photographic Log

Wellhead Closure Checklist



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FIELD FORM

SITE NAME / REM: McMillen Trust 19-14G								DATE: 4/1/25	WEATHER: Cloudy, 35F	
TYPE OF WORK: Wellhead Supplemental Site Investigation Map								CLIENT: Chevron		
LAT/LONG: 40.293021, -104.708411								PERSONNEL: EAN		
ESTIMATED DEPTH TO GROUNDWATER: Groundwater not encountered								OTHER OBSERVATIONS: None		
SOIL SAMPLING								FACILITY INFRASTRUCTURE		
Date	Soil Sample ID	Soil Type	PID (ppm)	Staining (Y/N)	Odor (Y/N)	Time	Sent to lab on Ice? (Y/N)	EQUIPMENT		
								Above Ground Storage Tank (AST)	Quantity	
4/1/2025	WH01@6'	CL	0.0	N	N	1110	Y	Buried or Partially Buried Vessel	0	
4/1/2025	WH01-N@4'	SM	0.0	N	N	1113	Y	Separator	0	
4/1/2025	WH01-E@4'	SM	0.0	N	N	1115	Y	Emission Control Device (ECD)	0	
4/1/2025	WH01-S@4'	SM	0.0	N	N	1117	Y	Dump Line	0	
4/1/2025	WH01-W@4'	SM	0.0	N	N	1120	Y	Wellhead	1	
4/1/2025	BGK01@4'	CL	0.0	N	N	1145	Y	Flowline	0	
4/1/2025	BGK01@6'	SM	0.0	N	N	1155	Y	Third Party Equipment:	0	
4/1/2025	BKG02@4'	SM	0.0	N	N	1200	Y	Other:	0	
4/1/2025	BKG02@6'	CL	0.0	N	N	1210	Y	Soil Loads Removed		
4/1/2025	BKG03@4'	SM	0.0	N	N	1215	Y	IMPACTED SOIL IDENTIFIED? Yes		
4/1/2025	BKG03@6'	CL	0.0	N	N	1225	Y	ESTIMATED VOLUME OF IMPACTS: 30 CY		
								Date	Number	CY
								4/1/2025	3	30
								Total Removed	3	30
								Disposal Facility: North Weld Landfill		
								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?	Sent to lab on Ice? (Y/N)			
								Total Removed		
								Disposal Facility:		





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FIGURES

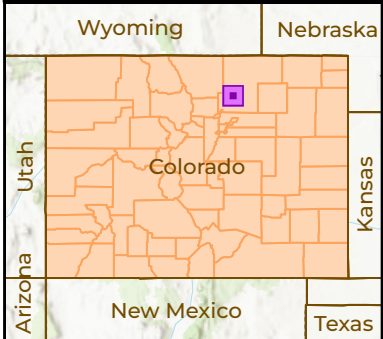
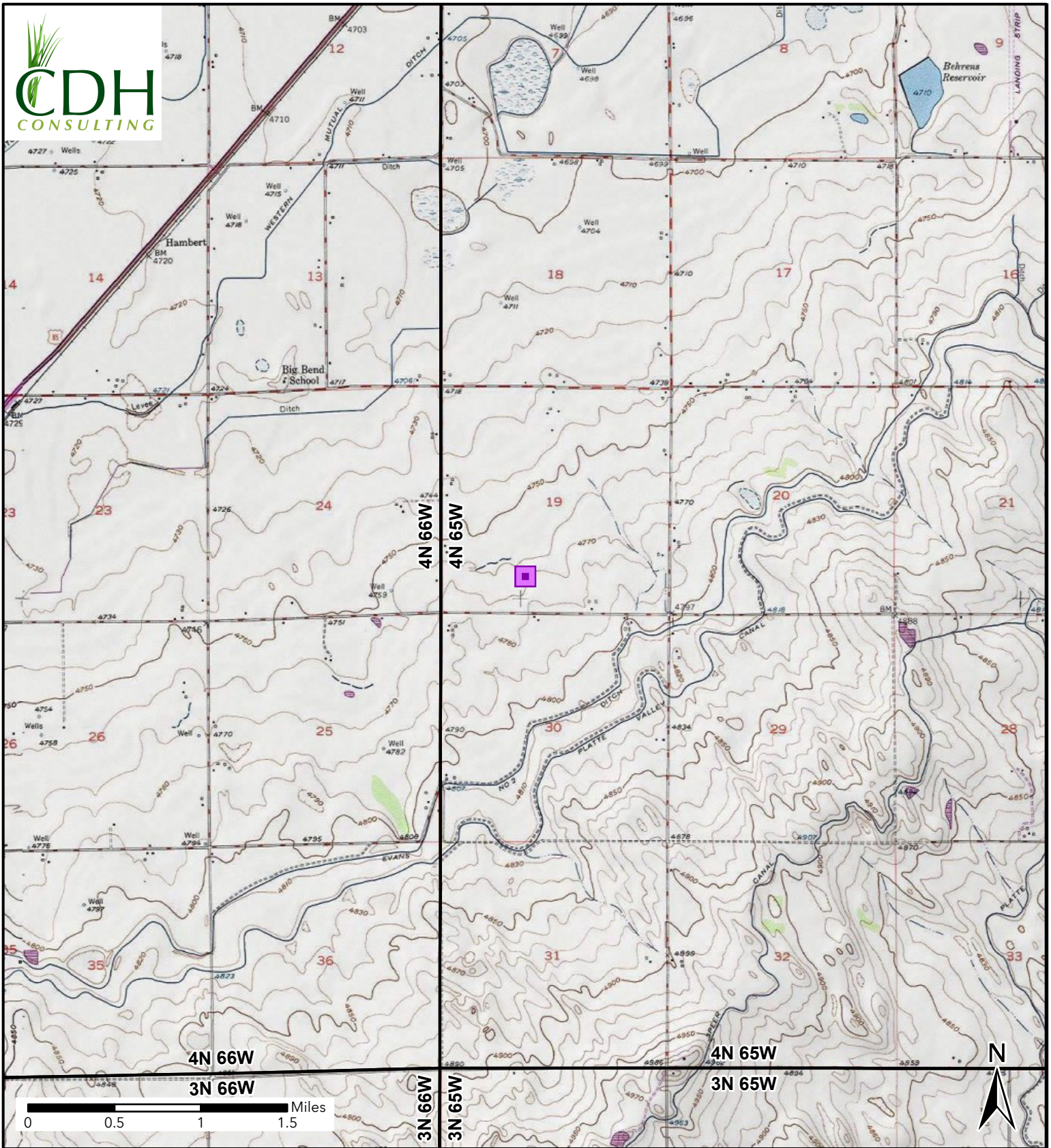



Figure 1
Site Location
MCMILLEN TRUST 19-14G WH
SESW-SEC 19-T4N-R65W
Weld County, Colorado
Chevron

 Site Location

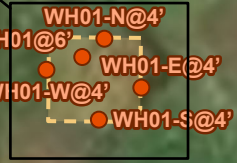
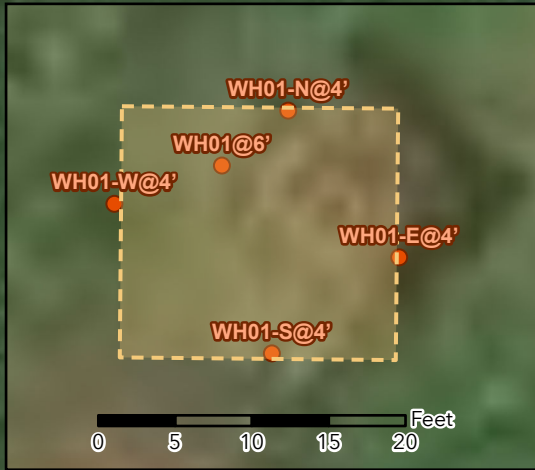


Figure 2
Soil Sample Location Map
MCMILLEN TRUST 19-14G
 SESW-SEC 19-T4N-R65W
 Weld County, Colorado
 Noble Energy Inc.

- Soil Sample
- Background Sample
- Excavation Extent



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TABLES

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
MCMILLEN TRUST 19-14G, WELD COUNTY, COLORADO
REM # 34834

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
WH01@6'	4/1/2025	6	40.293020	-104.708444	NM	0.0
WH01-N@4'	4/1/2025	4	40.293027	-104.70843	1.000000	0.0
WH01-E@4'	4/1/2025	4	40.293008	-104.70841	0.800000	0.0
WH01-S@4'	4/1/2025	4	40.292994	-104.70844	1.100000	0.0
WH01-W@4'	4/1/2025	4	40.293015	-104.70846	1.000000	0.0
BGK01@4'	4/1/2025	4	40.293260	-104.70843	0.800000	0.0
BGK01@6'	4/1/2025	6	40.293260	-104.70843	0.800000	0.0
BKG02@4'	4/1/2025	4	40.292777	-104.70821	0.900000	0.0
BKG02@6'	4/1/2025	6	40.292777	-104.70821	0.900000	0.0
BKG03@4'	4/1/2025	4	40.292847	-104.708779	0.900000	0.0
BKG03@6'	4/1/2025	6	40.292847	-104.708779	0.900000	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
MCMILLEN TRUST 19-14G, WELD COUNTY, COLORADO
REM # 34834

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**		
WH01@6'	4/1/2025	6	<0.002	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0038	<100.5	<0.5	<50	<50
WH01-N@4'	4/1/2025	4	<0.002	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0038	<100.5	<0.5	<50	<50
WH01-E@4'	4/1/2025	4	<0.002	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0038	<100.5	<0.5	<50	<50
WH01-S@4'	4/1/2025	4	<0.002	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0038	<100.5	<0.5	<50	<50
WH01-W@4'	4/1/2025	4	<0.002	<0.005	<0.005	<0.01	<0.005	<0.005	<0.0038	<100.5	<0.5	<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
MCMILLEN TRUST 19-14G, WELD COUNTY, COLORADO
REM # 34834

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
WH01@6'	4/1/2025	6	<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
WH01-N@4'	4/1/2025	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
WH01-E@4'	4/1/2025	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
WH01-S@4'	4/1/2025	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
WH01-W@4'	4/1/2025	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
MCMILLEN TRUST 19-14G, WELD COUNTY, COLORADO
REM # 34834

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
WH01@6'	4/1/2025	6	7.79	2.11	2.68	<2.00
WH01-N@4'	4/1/2025	4	7.66	0.640	1.55	<2.00
WH01-E@4'	4/1/2025	4	7.86	0.713	1.68	<2.00
WH01-S@4'	4/1/2025	4	7.83	0.344	0.583	<2.00
WH01-W@4'	4/1/2025	4	8.30	0.454	0.882	<2.00
BGK01@4'	4/1/2025	4	8.14	0.709	2.43	<2.00
BGK01@6'	4/1/2025	6	8.16	0.587	1.68	<2.00
BKG02@4'	4/1/2025	4	8.17	0.564	1.40	<2.00
BKG02@6'	4/1/2025	6	8.57	0.758	2.51	<2.00
BKG03@4'	4/1/2025	4	8.04	1.24	1.71	<2.00
BKG03@6'	4/1/2025	6	7.89	1.36	2.36	<2.00
Maximum Background Concentration			8.57	1.36	2.51	NA

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

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
MCMILLEN TRUST 19-14G, WELD COUNTY, COLORADO
REM # 34834

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
WH01@6'	4/1/2025	6	2.19	68.9	<0.200	<0.30 *	3.81	5.69	4.13	<0.260	<0.0200	16.5
WH01-N@4'	4/1/2025	4	2.10	55.0	0.291	<0.30 *	7.09	11.0	3.98	<0.260	0.106	28.1
WH01-E@4'	4/1/2025	4	2.44	63.0	0.233	<0.30 *	5.36	8.66	4.30	<0.260	0.0665	21.2
WH01-S@4'	4/1/2025	4	1.66	53.3	<0.200	<0.30 *	4.63	4.53	3.69	<0.260	0.0274	13.9
WH01-W@4'	4/1/2025	4	2.07	70.2	<0.200	<0.30 *	3.68	4.18	4.14	<0.260	0.0254	14.2
BGK01@4'	4/1/2025	4	3.49	114	0.290	<0.30 *	5.49	7.20	5.78	<0.260	0.0347	18.4
BGK01@6'	4/1/2025	6	2.89	95.8	0.231	<0.30 *	5.44	6.68	5.10	<0.260	0.0314	19.1
BKG02@4'	4/1/2025	4	1.52	54.8	<0.200	<0.30 *	2.90	4.01	3.48	<0.260	0.0204	13.9
BKG02@6'	4/1/2025	6	1.79	52.1	<0.200	<0.30 *	3.31	4.74	3.84	<0.260	<0.0200	14.1
BKG03@4'	4/1/2025	4	2.38	72.1	<0.200	<0.30 *	3.33	4.67	4.1	<0.260	0.0234	13.8
BKG03@6'	4/1/2025	6	3.79	89.1	<0.200	<0.30 *	5.49	5.60	5.72	<0.260	0.0223	16.5
1.25x Maximum Background Concentration			4.74	143	0.363	NA	6.86	9.00	7.23	NA	0.0434	23.9

- 1.** Bold faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
- 2.** Bold 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



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PHOTOGRAPHIC LOG

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025

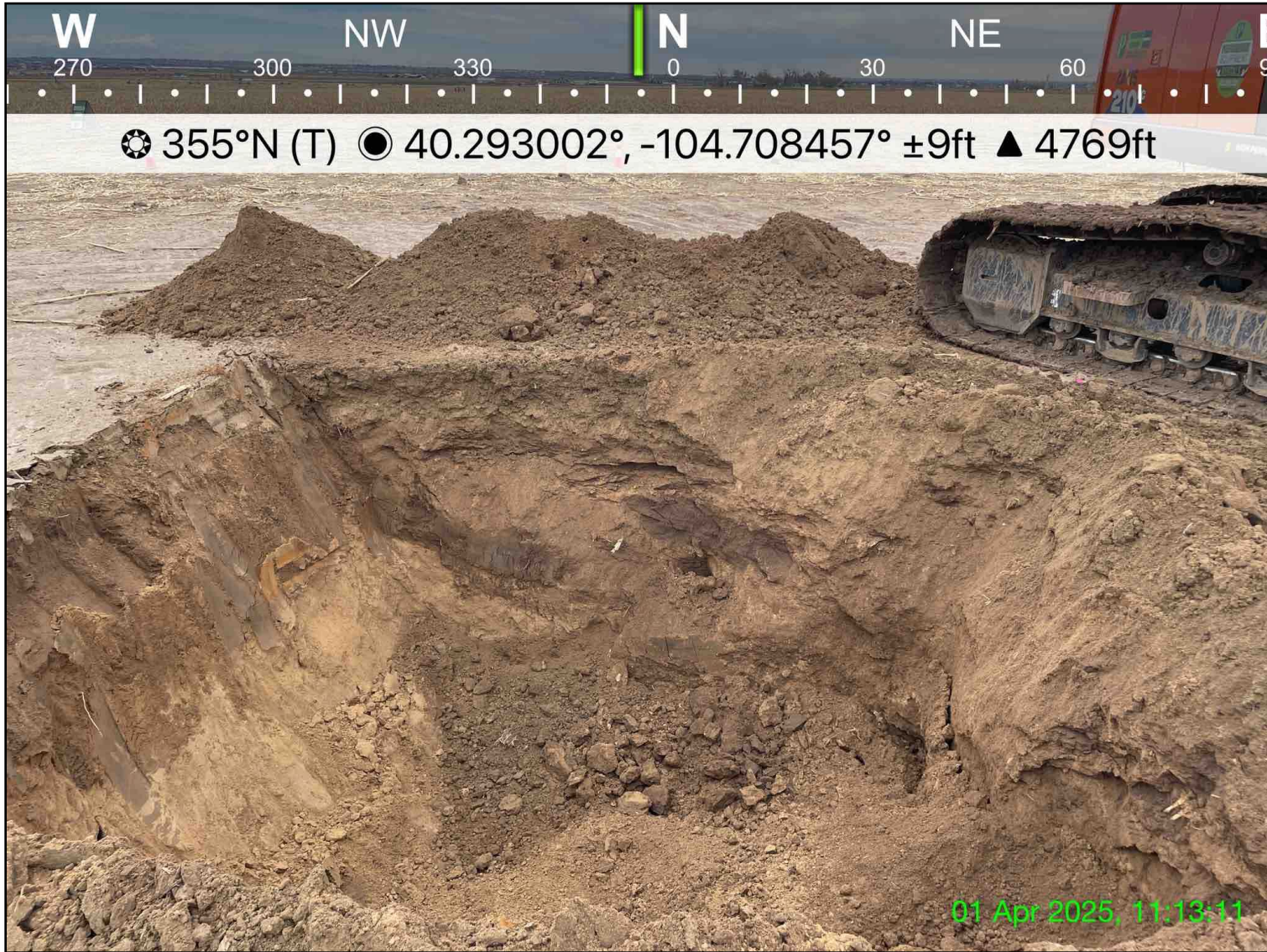


Photo 1: View of final wellhead excavation area, facing north.

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025



Photo 2: View of final wellhead excavation area, facing east-northeast.

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025



Photo 3: View of final wellhead excavation area, facing southwest.

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025



Photo 4: View of BKG01 sample location, facing north.

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025

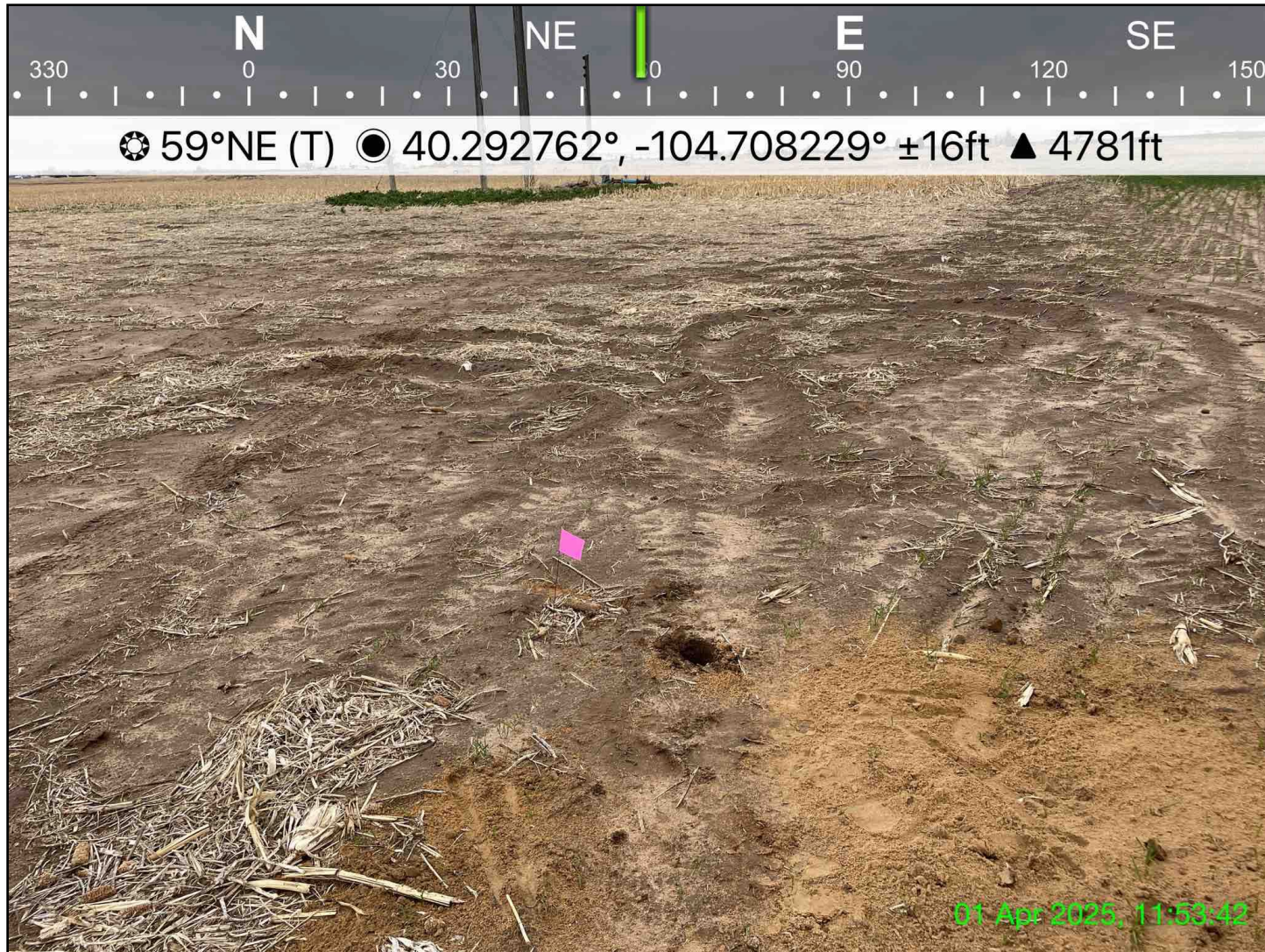


Photo 5: View of BKG02 sample location facing northeast.

Attachment A - Photographic Log

McMillen Trust 19-14G

Chevron Remediation Number 34834

April 1, 2025

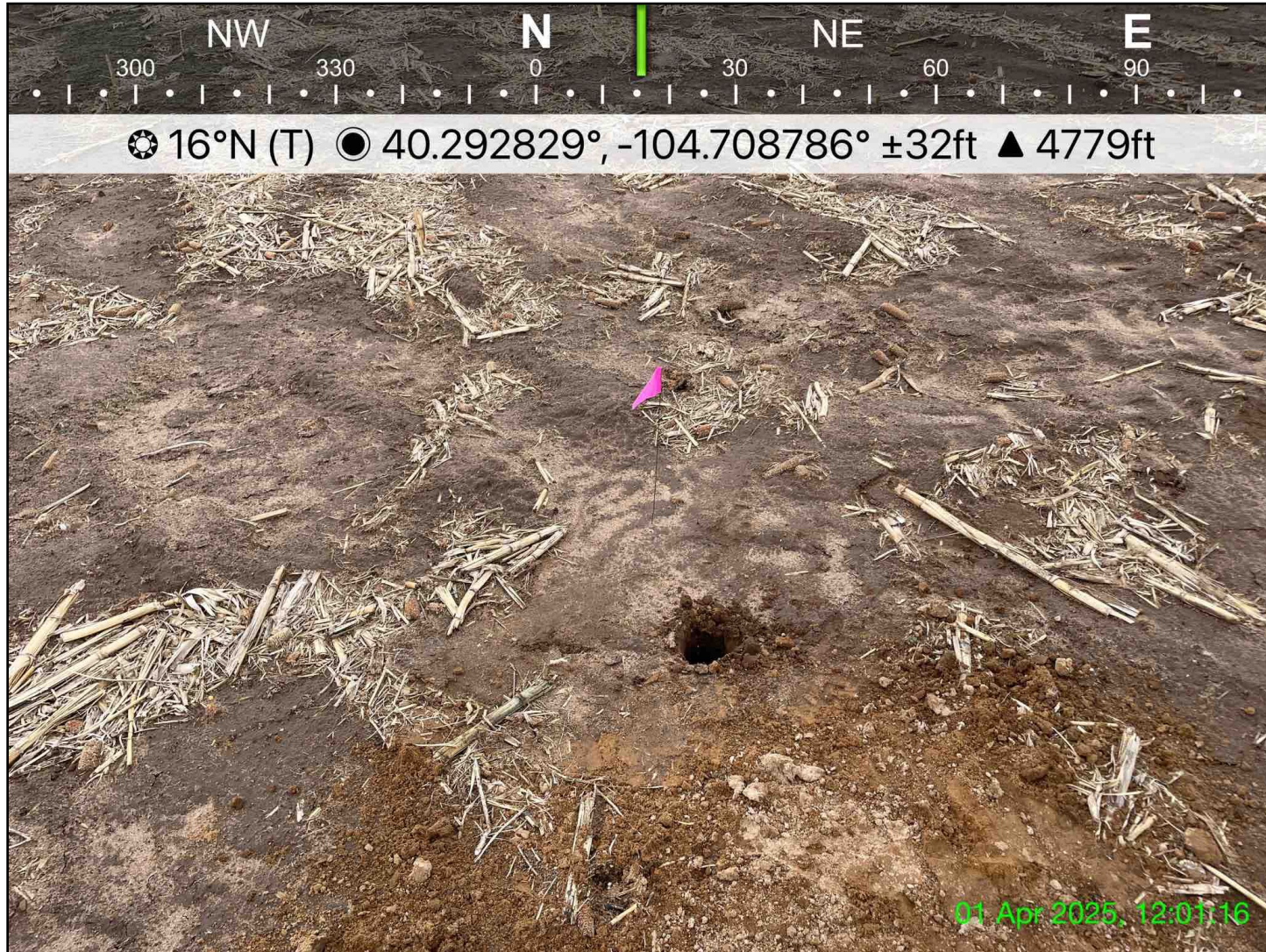


Photo 6: View of BKG03 sample location facing north.



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WELLHEAD CLOSURE CHECKLIST

Wellhead Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure
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Site Name & COGCC Facility Number: MCMILLEN TRUST 19-14G 123-14912	Date: 4/1/2025	Remediation Project #: 34834
Associated Wells: MCMILLEN TRUST 19-14G	Age of Site: 3/21/1991	Number of Photos Attached: 6

Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.293010/-104.708400	Estimated Facility Size (acres): 0.1 acre
--	---

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good

USCS Soil Type: CL, SM	Estimated Depth to Groundwater: Not encountered
------------------------	---

Hydrocarbon Impacted Soils / Spills: 30 cubic yards (CY) of impacted soil excavated to a depth of 6 ft bgs

Salt Crusted Soils or Impacted Vegetation: None

Wellhead(s)

Well API	05-123-14912					
Age	3/21/1991					
Condition of surface around wellhead	Good					
PID Readings	0.0 ppm					
Condition of subsurface	Good					
PID Readings	0.0 ppm					
Sample taken? Location/Sample ID#	Yes, see attached					
Photo Number(s)	Yes, see attached					

Other observations regarding wellheads: None

Summary

Was impacted soil identified?	
No	Yes - less than 10 cubic yards Yes - more than 10 cubic yards
Total number of samples field screened: 5	Total number of samples collected: 5
Highest PID Reading: 0.0	Total number of samples submitted to lab for analysis: 5
If more than 10 cubic yards of impacted soil were observed:	
Vertical extent: 6 ft bgs	Estimated spill volume: 30 CY
Lateral extent: 15 ft bgs	Volume of soil removed: 30 CY
Is additional investigation required? No	
Was groundwater encountered during the investigation?	
No	Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils
Measured depth to groundwater:	Was remedial groundwater removal conducted? Yes No
Date Groundwater was encountered:	Commencement date of removal:
Sheen on groundwater? Yes No	Volume of groundwater removed prior to sampling:
Free product observed? Yes No	Volume of groundwater removed post sampling:
Total number of samples collected:	Total Volume of groundwater removed:
Total number of samples submitted to lab for analysis:	