

DECOMMISSIONING REPORT
ANDERSON 33, 34-34 TANK BATTERY

ECMC REMEDIATION # 40259

Prepared for:



PDC ENERGY

1099 18th Street
Suite 1500
Denver, CO 80202

Prepared by:



4725 Independence Street
Wheat Ridge, CO 80033



BKG01@0-6"
 (06/19/2025)
 PID = 0.0 ppm

BKG01@2.5'
 (06/19/2025)
 PID = 0.0 ppm

BKG01@4'
 (06/19/2025)
 PID = 0.0 ppm

BKG01@5'
 (06/19/2025)
 PID = 0.0 ppm

AST01@0-6"
 (06/19/2025)
 PID = 0.0 ppm

AST02@0-6"
 (06/19/2025)
 PID = 0.0 ppm

PWV01-N@2.5'
 (06/19/2025)
 PID = 0.0 ppm

PWV01-W@2.5'
 (06/19/2025)
 PID = 0.0 ppm

PWV01-E@2.5'
 (06/19/2025)
 PID = 0.6 ppm

PWV01-S@2.5'
 (06/19/2025)
 PID = 0.3 ppm

PWV01-B@4'
 (06/19/2025)
 PID = 0.0 ppm

SEP01-DL@4'
 (06/19/2025)
 PID = 1.2 ppm

SEP01-FL@4'
 (06/19/2025)
 PID = 0.0 ppm

MH01@0-6"
 (06/19/2025)
 PID = 0.3 ppm

FLARE01@0-6"
 (06/19/2025)
 PID = 0.5 ppm

DATE: October 31, 2025

DESIGNED BY: J. Clonts

DRAWN BY: N. Crozier



**PDC Energy, Inc – 69175
 Anderson 33, 34-34**
 NWSE, Section 34, Township 7 North, Range 66 West
 Weld County, Colorado

**Tank Battery Decommissioning
 & Soil Analytical Results Map
 (06/19/2025)**

**FIGURE
 1**

TABLE 1
FIELD DATA SUMMARY TABLE
PDC ENERGY, INC. - 69175
ANDERSON 33, 34-34, WELD COUNTY, COLORADO
REM # 40259



Sample ID	Sample Date	Depth (ft. bgs)	GPS Data ¹ Latitude/Longitude		PDOP Value	VOC Concentration ² (ppm)
SEP01-DL@4'	06/19/2025	4	40.530315	-104.762598	0.9	1.2
SEP01-FL@4'	06/19/2025	4	40.530292	-104.762634	0.9	0.0
AST01@0-6"	06/19/2025	0-0.5	40.530633	-104.762753	0.9	0.0
AST02@0-6"	06/19/2025	0-0.5	40.530582	-104.762733	0.9	0.0
PWV01-B@4'	06/19/2025	4	40.530529	-104.762717	NC	0.0
PWV01-N@2.5'	06/19/2025	2.5	40.530552	-104.762728	0.9	0.0
PWV01-E@2.5'	06/19/2025	2.5	40.530541	-104.762695	0.8	0.6
PWV01-S@2.5'	06/19/2025	2.5	40.530508	-104.762718	0.9	0.3
PWV01-W@2.5'	06/19/2025	2.5	40.530528	-104.762746	0.9	0.0
MH01@0-6"	06/19/2025	0-0.5	40.530299	-104.762555	0.9	0.3
FLARE01@0-6"	06/19/2025	0-0.5	40.530191	-104.762612	0.9	0.5
BKG01@0-6"	06/19/2025	0-0.5	40.530480	-104.763058	0.8	0.0
BKG01@2.5'	06/19/2025	2.5	40.530480	-104.763058	0.8	0.0
BKG01@4'	06/19/2025	4	40.530480	-104.763058	0.8	0.0
BKG01@5'	06/19/2025	5	40.530480	-104.763058	0.8	0.0

Notes:

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

NC = Not collected

NA = Not analyzed

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
PDC ENERGY, INC. - 69175
ANDERSON 33, 34-34, WELD COUNTY, COLORADO
REM # 40259



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**		
SEP01-DL@4'	06/19/2025	4	<0.0012	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0023	<7.2	<0.24	<5.0	<7.2
SEP01-FL@4'	06/19/2025	4	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	155	<0.20	36.8	118
AST01@0-6"	06/19/2025	0-0.5	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<6.0	<0.20	<4.2	<6.0
AST02@0-6"	06/19/2025	0-0.5	<0.00099	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<5.9	<0.20	<4.1	<5.9
PWV01-B@4'	06/19/2025	4	<0.0012	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0025	<27.6	<0.24	<18.0	<27.6
PWV01-E@2.5'	06/19/2025	2.5	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<6.3	<0.23	<4.4	<6.3

Notes:

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.

ECMC = Energy and 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

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
PDC ENERGY, INC. - 69175
ANDERSON 33, 34-34, WELD COUNTY, COLORADO
REM # 40259



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
SEP01-DL@4'	06/19/2025	4	<0.0046	<0.0046	<0.0058	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
SEP01-FL@4'	06/19/2025	4	<0.0041	<0.0041	<0.0051	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
AST01@0-6"	06/19/2025	0-0.5	<0.0039	<0.0039	<0.0049	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039
AST02@0-6"	06/19/2025	0-0.5	<0.0039	<0.0039	<0.0049	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039
PWV01-B@4'	06/19/2025	4	<0.0050	<0.0050	<0.0062	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
PWV01-E@2.5'	06/19/2025	2.5	<0.0045	<0.0045	<0.0057	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045

Notes:

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.

ECMC = Energy and Carbon Management Commission

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

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

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
PDC ENERGY, INC. - 69175
ANDERSON 33, 34-34, WELD COUNTY, COLORADO
REM # 40259



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
SEP01-DL@4'	06/19/2025	4	8.05	0.62	0.591	<0.50
SEP01-FL@4'	06/19/2025	4	7.92	0.95	0.998	<0.50
AST01@0-6"	06/19/2025	0-0.5	7.76	0.78	1.29	<0.50
AST02@0-6"	06/19/2025	0-0.5	7.65	1.4	1.39	<0.50
PWV01-B@4'	06/19/2025	4	7.78	0.32	0.628	<0.50
PWV01-E@2.5'	06/19/2025	2.5	8.00	0.42	0.192	<0.50
BKG01@0-6"	06/19/2025	0-0.5	7.69	0.46	2.90	<0.50
BKG01@2.5'	06/19/2025	2.5	7.94	0.67	5.58	0.794
BKG01@4'	06/19/2025	4	7.85	0.44	2.68	<0.50
BKG01@5'	06/19/2025	5	8.01	1.2	1.51	<0.50
Maximum Background Concentration			-	-	-	-

Notes:

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.

ECMC = Energy and Carbon Management Commission

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

mg/L = Milligrams per liter

ft. = Feet

bgs = Below ground surface

NA = Not analyzed

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = Millimohs per centimeter

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
PDC ENERGY, INC. - 69175
ANDERSON 33, 34-34, WELD COUNTY, COLORADO
REM # 40259



Sample ID	Sample Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) ⁶ (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
SEP01-DL@4'	06/19/2025	4	3.1	81.8	0.10	<0.50*	5.2	5.4	6.4	<0.25	<0.062	23.3
SEP01-FL@4'	06/19/2025	4	2.9	65.1	0.079	<0.44*	7.0	5.7	6.8	<0.21	<0.054	26.1
AST01@0-6"	06/19/2025	0-0.5	1.8	30.7	<0.051	<0.43*	4.2	2.7	2.9	<0.20	<0.051	11.8
AST02@0-6"	06/19/2025	0-0.5	3.4	45.6	<0.053	<0.43*	5.5	3.1	4.2	<0.21	<0.053	13.0
PWV01-B@4'	06/19/2025	4	4.9	127	0.18	<0.50*	9.5	9.1	10.7	<0.25	<0.062	39.0
PWV01-E@2.5'	06/19/2025	2.5	3.7	74.7	0.12	<0.49*	6.0	6.5	7.5	<0.23	<0.057	27.1
BKG01@0-6"	06/19/2025	0-0.5	3.3	60.8	0.14	<0.46*	4.6	6.0	5.8	0.31	<0.055	21.7
BKG01@2.5'	06/19/2025	2.5	2.4	47.0	0.10	<0.45*	3.2	4.1	4.4	<0.21	<0.053	16.1
BKG01@4'	06/19/2025	4	3.9	69.1	0.15	<0.47*	5.5	6.7	7.4	<0.23	<0.059	27.0
BKG01@5'	06/19/2025	5	5.2	110	0.25	<0.49*	9.3	9.3	10.9	<0.23	0.062	37.8
1.25x Maximum Background Concentration			6.5	138	-	-	-	-	-	-	-	-

Notes:

- 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.
- Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
- Reporting limit used for 1.25 multiplier when all background results for a specific metal are non-detect.
- * Indicates laboratory minimum detection limit in excess of SSL.
- Compound falls within the ECMC Table 915-1 footnote 9.

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

NA = Not analyzed

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

Material excavated and transported off site for disposal.



TANK BATTERY DECOMMISSIONING FORM

CLIENT: PDC Energy, Inc. or PDC Permian		SITE NAME: ANDERSON 33, 34-34 Fac					DATE: 6/19/2025	REM. PROJECT #: 40259	WEATHER: Clear 70s	
SITE DIRECTIONS: West at CR 33 and CR 74 then North at access road							JOB#: 10562			
LEGALS AND LAT/LONG: 40.530525, -104.76264							TASMAN PERSONNEL: DS			
SOIL TYPES: Silty Sand - SM							SURFACE GRADIENT: Southeast			
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)		2	
06-19-2025 09:53	SEP01-DL@4'	1.2	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel		1	
06-19-2025 13:03	SEP01-FL@4'	0.0	No Staining	No Odor	Yes	Lab	Separator		1	
06-19-2025 11:27	AST01@0-6"	0.0	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)		1	
06-19-2025 11:31	AST02@0-6"	0.0	No Staining	No Odor	Yes	Lab	Dump Line			
06-19-2025 10:18	PWV01-B@4'	0.0	No Staining	No Odor	Yes	Lab	Wellhead			
06-19-2025 10:37	PWV01-N@2.5'	0.0	No Staining	No Odor	Yes	On-hold	Flowline			
06-19-2025 10:26	PWV01-E@2.5'	0.6	No Staining	No Odor	Yes	Lab	Other:			
06-19-2025 10:22	PWV01-S@2.5'	0.3	No Staining	No Odor	Yes	On-hold	Soil Loads Removed			
06-19-2025 10:31	PWV01-W@2.5'	0.0	No Staining	No Odor	Yes	On-hold	IMPACTED SOIL IDENTIFIED? No			
06-19-2025 09:30	MH01@0-6"	0.3	No Staining	No Odor	Yes	Grab	ESTIMATED VOLUME OF IMPACTS:			
06-19-2025 09:24	FLARE01@0-6"	0.5	No Staining	No Odor	Yes	Grab	Date	Number	CY	
06-19-2025 12:39	BKG01@0-6"	0.0	No Staining	No Odor	Yes	Lab				
06-19-2025 12:42	BKG01@2.5'	0.0	No Staining	No Odor	Yes	Lab				
06-19-2025 12:46	BKG01@4'	0.0	No Staining	No Odor	Yes	Lab				
06-19-2025 12:50	BKG01@5'	0.0	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: ANDERSON 33, 34-34 Fac

Please Circle Facility Type: Production Facility



Date: 6/19/2025

GENERAL OBSERVATION FORM

Site Area/AOC: ANDERSON 33, 34-34 Fac Client: PDC Energy, Inc. or PDC Permian

Daily Forecast/Weather: Clear 70s Personnel: DS

Task/Location Description: Tank Battery Decommissioning & Confirmation Closure Sampling

Time	Description
08:35	On-site with Tyler and KSI crew
08:51	JSA completed
09:05	PID Calibrated. Reading: 100.2 PPM
09:20	Started sampling
11:36	Delbert Pace on site, signed JSA
13:03	Samples were collected from beneath the on site flowline and dumpling risers (SEP01-FL & SEP01-DL)
14:15	Off site

Need a photo log?



Need another General Observation Form?



Photographic Log



Equipment ID: FLARE01 @0-6"		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			

Equipment ID: MH01 @0-6"		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			



Photographic Log



Equipment ID: SEP01-DL@4'		Equipment Type:		Equipment ID: PWV01-B@4'		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions:				Notes/Conditions:			



TANK BATTERY DECOMMISSIONING

Photographic Log



Equipment ID: PWV01-S@2.5'		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			

Equipment ID: PWV01-W@2.5'		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			



TANK BATTERY DECOMMISSIONING

Photographic Log



Equipment ID: PWV01-N@2.5'		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			

Equipment ID: PWV01-E@2.5'		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			



TANK BATTERY DECOMMISSIONING

Photographic Log



Equipment ID: AST01@0-6"		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			

Equipment ID: AST02@0-6"		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			



TANK BATTERY DECOMMISSIONING

Photographic Log



Equipment ID: SEP01-FL@4'		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions:			

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



4725 Independence St., Suite 100
Wheat Ridge, CO 80033

CLIENT: PDC Energy Inc.
LOGGED BY: Dylan Sardinia
PROJECT MANAGER: Andy Sagen
DRILLING CONTRACTOR: Tasman, Inc.
DRILLING EQUIPMENT: Hand Auger
DRILL BIT SIZE (INCHES): 3.25
DATE STARTED - COMPLETED: 06/19/2025 - 06/19/2025
TOTAL BORING DEPTH (FT BGS): 5
DEPTH TO WATER (FT BGS): Not Encountered

Anderson 33, 34-34	
BORING LOG ID: BKG01	
LOCATION: West of Facility	
LATITUDE (NAD 83): 40.530480	
LONGITUDE (NAD 83): -104.763058	
ABANDONMENT METHOD: Native Soil	

Depth (feet)	Drilling Method	Water	Lithologic Description	USCS	PID (ppm)	Lab	Recovery %
1.0 2.0 3.0 4.0			0.00-4.00 Ft: brown, silty sand, fine sand, loose, dry, no odour, no staining.	 SM	0.00-1.00 Ft, 0.0	BKG01@0-6" (1239)	100
			1.00-2.00 Ft, 0.2				
			2.00-3.00 Ft, 0.1		BKG01@2.5' (1242)		
			3.00-4.00 Ft, 0.0				
			4.00-5.00 Ft, 0.0		BKG01@4' (1246)		
			4.00-5.00 Ft: brown, lean clay, low plasticity, cohesive, dry, no odour, no staining.	 CL	BKG01@5' (1250)		
			BKG01 Terminated at 5 Ft (Groundwater not encountered)				