

# 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.

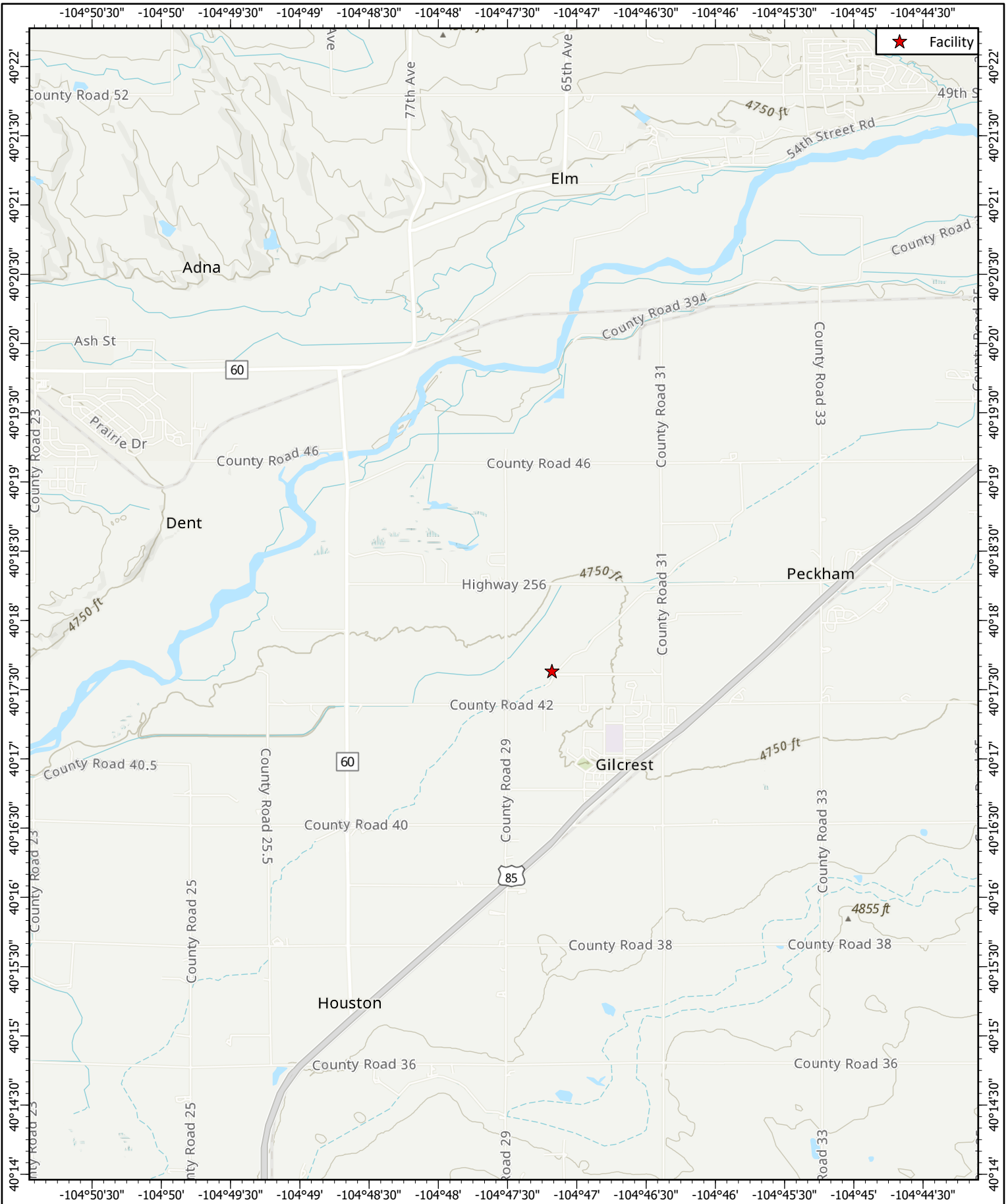
Location name: KISSLER K-64N66W 21SESW

Please Circle Facility Type: Tank Battery

## Form 19 Information Summary

Site Name	KISSLER K-64N66W 21SESW
API #	N/A
REM #	43807
Facility ID	479201
Coordinates	40.293667, -104.786529 (PWV03-FS@4') 40.293674, -104.786463 (PWV-SS05@3') 40.293632, -104.786598 (AST02@0.5')
S/T/R	NESW 21/4N/66W
Cause of Release	Presumed production activities
Date of Discovery	3/10/2026
Spill Type	Historical
Land Use	Cropland
Weather Conditions	Low of 37°F, High of 67°F, Wind 5mph S, 0% chance of precipitation
Surface Water	Riverine 0.02mi SE (104 ft)
Number of Water Wells within ½ Mile Radius	30
Distance to Closest Water Well	0.02mi SSE
Approximate Depth to Groundwater	>20ft below ground surface
Distance to Nearest Wetland	Freshwater Emergent Wetland 0.70mi SSE
Sensitive Area / Habitat	Riverine 0.02mi SE Freshwater Pond 0.07mi S, 0.17/0.19mi NE Residential 0.19mi SW, 0.24/0.26mi W Farm Structure 0.15mi SW, 0.24/0.25/0.25mi W
100 Year Floodplain	No
Release in Municipality	No
Fluid Released	Presumed production fluids
Volume of Release	Unknown
Livestock Present	No
Closest Building	Farm Structure 0.15mi SW
Soil Type(s)	SW
Disposal Facility	N/A
Excavation Dimensions	N/A
<p><b>Notes:</b>  <i>On February 25, 2026, Montrose personnel mobilized to the KISSLER K-64N66W 21SESW location (40.293898, -104.786322) to collect confirmation soil samples and perform soil screening as part of tank battery decommissioning activities. Soil sampling and screening locations were based on ECMC regulations. No soil staining or hydrocarbon odors were observed during decommissioning activities. Soil samples collected during decommissioning activities were submitted for the full ECMC Table 915-1 suite of analyses.</i></p>	

*Laboratory results received on March 10, 2026 indicate that the concentrations of benzo (a) anthracene in soil samples PWV03-FS@4' (40.293667, -104.786529), PWV-SS05@3' (40.293674, -104.786463), and AST02@0.5' (40.293632, -104.786598) exceed the ECMC Table 915-1 protection of groundwater soil screening levels (GWSSL). Benzo (a) anthracene was detected at concentrations of 0.014 milligram per kilogram (mg/kg) in soil sample PWV03-FS@4' and 0.077 mg/kg in soil sample AST02@0.5'. These concentrations exceed the GWSSL of 0.011 mg/kg for benzo (a) anthracene. Benzo (a) anthracene was detected at 0.011 mg/kg in soil sample PWV-SS05@3', at the GWSSL of 0.011 mg/kg.*

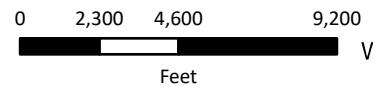


**Topographic Map of  
KISSLER K-64N66W 21SESW**

PDC-69175  
SES/S21/T4N/R66W  
Weld County, Colorado

Facility Number: 479201  
REM Number: 43807  
API Number: N/A

Figure 1



Montrose Environmental Group  
Date: 3/10/2026

Reviewed By: R. Bumgardner  
Author: H. Judy

Coord. Sys.: GCS North American 1983




Montrose Environmental Group  
Date: 3/10/2026

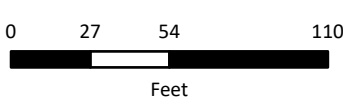

Reviewed By: R. Bumgardner  
Author: H. Judy

### Potential Release Locations (03/10/2026)

KISSLER K-64N66W 21SESW

PDC-69175      Facility Number: 479201  
 SESW/S21/T4N/R66W      REM Number: 43807  
 Weld County, Colorado      API Number: N/A

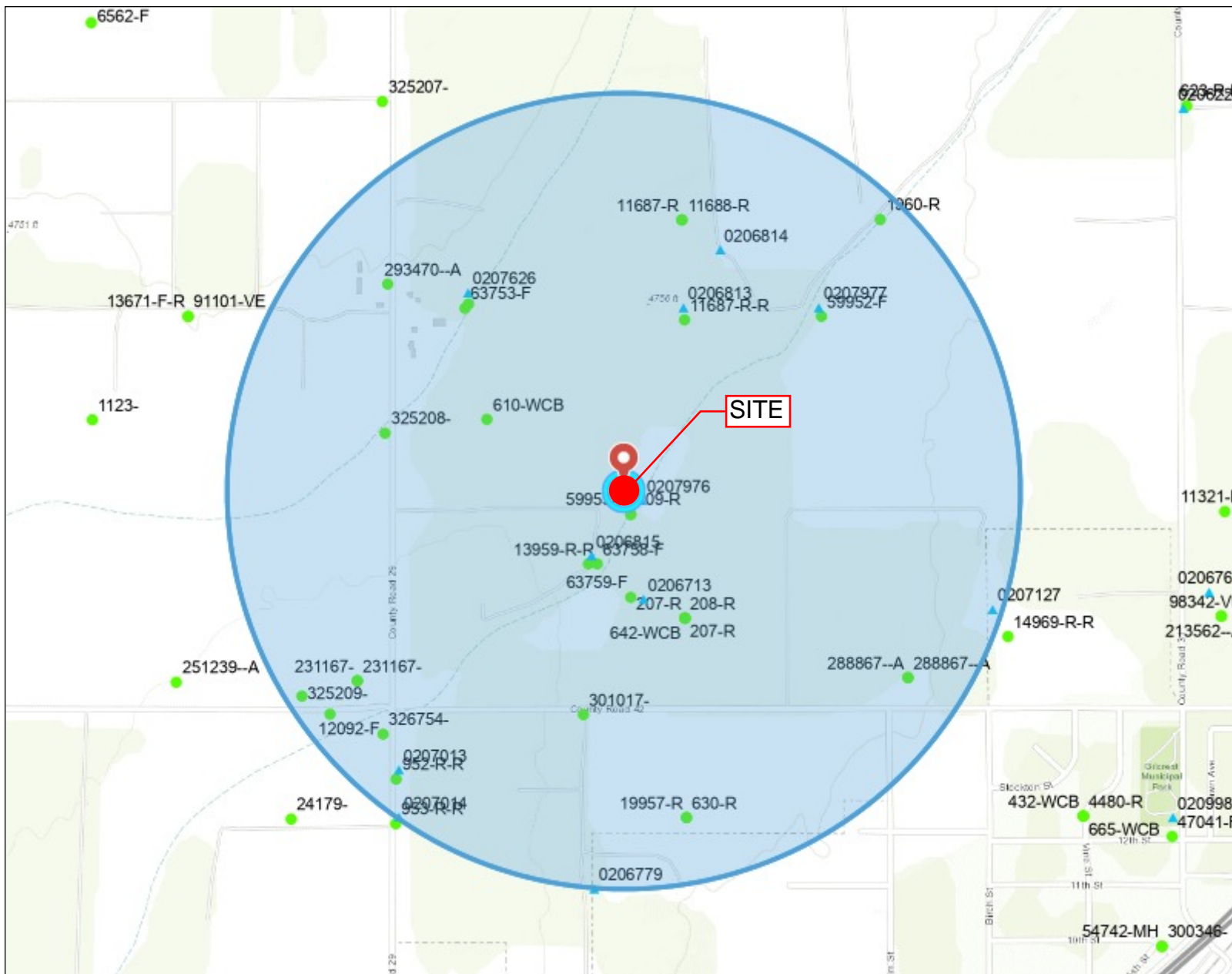
Figure 2

Coord. Sys.: GCS North American 1983



# KISSLER K-64N66W 21SESW



### Legend

- Surface Water
- ▲ All Points of Interest
- Well Constructed
- Final Permit
- ✕ Geophysical Log
- ⊕ Active Gage - Diversion
- ⊕ Active Gage - Reservoir
- ⊕ Active Gage - Stream
- All Stations
- County

### Location

### Notes

REM #43807

2,000 0 1,000 2,000 Feet



1: 12,000

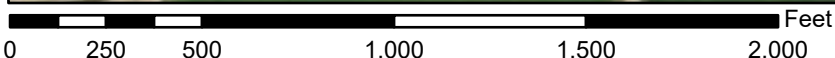


*This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.*

# National Flood Hazard Layer FIRMMette



104°47'30"W 40°17'52"N



1:6,000

104°46'52"W 40°17'24"N

Basemap Imagery Source: USGS National Map 2023

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Base Flood Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **3/10/2026 at 5:50 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

March 10, 2026

**Wetlands**

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Pond
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

<b>Client Name:</b> Chevron	<b>Project Name:</b> KISSLER K-64N66W 21SESW	<b>Project Location:</b> 40.293898, -104.786322	<b>REM Number:</b> 43807
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<b>Photo:</b> 1	<b>Date:</b> 2/25/2026	<b>Description:</b> Representative picture of general conditions at soil sampling location PWV03-FS (40.293667, -104.786529) in well graded sand (SW) at a depth of approximately (four) 4 feet below ground surface (bgs) (PID: 11.4 ppm).
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<b>Photo:</b> 2	<b>Date:</b> 2/25/2026	<b>Description:</b> Representative picture of soils at sampling location PWV-SS05 (40.293674, -104.786463) at a depth of approximately (three) 3 feet bgs (PID: 11.6 ppm).
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<b>Client Name:</b> Chevron	<b>Project Name:</b> KISSLER K-64N66W 21SESW	<b>Project Location:</b> 40.293898, -104.786322	<b>REM Number:</b> 43807
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<b>Photo:</b> 3	<b>Date:</b> 2/25/2026	<b>Description:</b> Representative picture of general conditions at soil sampling location AST02 (40.293632, -104.786598) in well graded sand (SW) at a depth of approximately 0.5 feet below ground surface (bgs) (PID: 2.3 ppm).
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**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**PDC 69175**  
**KISSLER K-64N66W 21SESW , WELD COUNTY, COLORADO**  
**REM # 43807**

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
PWV01-FS@4'	2/25/2026	4.0	40.293673	-104.786649	0.9	10.4
PWV02-FS@4'	2/25/2026	4.0	40.293672	-104.786596	0.9	5.3
PWV03-FS@4'	2/25/2026	4.0	40.293667	-104.786529	0.9	11.4
PWV-SS05@3'	2/25/2026	3.0	40.293674	-104.786463	0.9	11.6
AST01@0.5'	2/25/2026	0.5	40.293641	-104.786659	0.9	1.5
AST02@0.5'	2/25/2026	0.5	40.293632	-104.786598	0.9	2.3
AST03@0.5'	2/25/2026	0.5	40.293632	-104.786548	0.9	2.1
SEP01-DL@2'	2/25/2026	2.0	40.293834	-104.786390	0.9	1.7
SEP02-DL@2'	2/25/2026	2.0	40.293831	-104.786356	0.9	1.3

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

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  
PDC 69175  
KISSLER K-64N66W 21SESW , WELD COUNTY, COLORADO  
REM # 43807

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**		
PWV01-FS@4'	2/25/2026	4.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.223	<27.9	<112
PWV02-FS@4'	2/25/2026	4.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.215	<27.3	<109
PWV03-FS@4'	2/25/2026	4.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.212	<27.0	<108
PWV-SS05@3'	2/25/2026	3.0	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	0.003	<500	<0.220	<27.9	<111
AST01@0.5'	2/25/2026	0.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.220	<26.7	<107
AST02@0.5'	2/25/2026	0.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.225	<28.3	<113
AST03@0.5'	2/25/2026	0.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.213	<26.3	<105
SEP01-DL@2'	2/25/2026	2.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.214	<26.5	<106
SEP02-DL@2'	2/25/2026	2.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.217	<26.5	<106

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. \*\* Indicates laboratory reporting limit in excess of SSL
  5. \*\*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg
  6. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- (<) = 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 69175  
KISSLER K-64N66W 21SESW , WELD COUNTY, COLORADO  
REM # 43807

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
PWV01-FS@4'	2/25/2026	4.0	<0.022	<0.022	<0.006	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
PWV02-FS@4'	2/25/2026	4.0	<0.022	<0.022	<0.005	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
PWV03-FS@4'	2/25/2026	4.0	<0.022	<0.022	<b>0.014</b>	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.033	<0.002	<0.002
PWV-SS05@3'	2/25/2026	3.0	<0.022	<0.022	0.011	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.023	0.003	0.007
AST01@0.5'	2/25/2026	0.5	<0.022	<0.022	0.007	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
AST02@0.5'	2/25/2026	0.5	<0.023	<0.023	<b>0.077</b>	0.079	0.048	0.025	0.081	<0.023	0.089	<0.023	0.045	0.152	<0.002	<0.002
AST03@0.5'	2/25/2026	0.5	<0.021	<0.021	<0.005	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.002	<0.002
SEP01-DL@2'	2/25/2026	2.0	<0.021	<0.021	<b>0.020</b>	0.023	<0.021	<0.021	0.025	<0.021	0.028	<0.021	<0.021	0.045	<0.002	<0.002
SEP02-DL@2'	2/25/2026	2.0	<0.022	<0.022	<b>0.020</b>	0.025	<0.022	<0.022	0.025	<0.022	0.025	<0.022	<0.022	0.044	<0.002	0.003

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. \*\* Indicates laboratory reporting limit in excess of SSL
  5. \*\*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg
  6. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- (<) = 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**  
**PDC 69175**  
**KISSLER K-64N66W 21SESW , WELD COUNTY, COLORADO**  
**REM # 43807**

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
PWV01-FS@4'	2/25/2026	4.0	<b>8.37</b>	0.215	0.428	0.144
PWV02-FS@4'	2/25/2026	4.0	8.28	0.259	0.561	<0.107
PWV03-FS@4'	2/25/2026	4.0	8.20	0.571	0.836	0.414
PWV-SS05@3'	2/25/2026	3.0	8.26	0.326	0.567	0.227
AST01@0.5'	2/25/2026	0.5	7.04	0.106	0.210	<0.110
AST02@0.5'	2/25/2026	0.5	7.20	0.864	0.643	0.333
AST03@0.5'	2/25/2026	0.5	8.12	0.728	0.717	0.127
SEP01-DL@2'	2/25/2026	2.0	8.10	0.383	1.360	0.152
SEP02-DL@2'	2/25/2026	2.0	7.91	0.597	1.410	0.271
Maximum Background Concentration			NA	NA	NA	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.

4. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

NA - Not analyzed

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
PDC 69175  
KISSLER K-64N66W 21SESW , WELD COUNTY, COLORADO  
REM # 43807

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
PWV01-FS@4'	2/25/2026	4.0	<b>3.27</b>	<b>97.4</b>	<0.288	<0.222	<34.8	<10.6	<19.7	<0.186	<0.606	<280
PWV02-FS@4'	2/25/2026	4.0	<b>3.44</b>	<b>146.0</b>	0.289	<0.217	<31.8	<b>17.9</b>	<18.0	<0.170	<0.553	<256
PWV03-FS@4'	2/25/2026	4.0	<b>5.30</b>	<b>340.0</b>	<b>0.524</b>	<0.218	<32.3	<b>31.3</b>	<18.2	<0.173	<0.561	<259
PWV-SS05@3'	2/25/2026	3.0	<b>3.88</b>	<b>146.0</b>	<b>0.388</b>	<0.214	<35.7	<b>21.7</b>	<20.2	0.210	<0.622	<287
AST01@0.5'	2/25/2026	0.5	<b>3.49</b>	<b>83.9</b>	<b>0.432</b>	<0.212	<33.4	<b>22.1</b>	<18.9	0.218	<0.580	<268
AST02@0.5'	2/25/2026	0.5	<b>5.22</b>	<b>108.0</b>	<b>0.777</b>	<0.232	<36.5	<b>41.5</b>	<20.7	<b>0.307</b>	<0.635	<294
AST03@0.5'	2/25/2026	0.5	<b>2.32</b>	<61.3	<0.284	<0.203	<34.4	10.5	<19.4	<0.184	<0.598	<277
SEP01-DL@2'	2/25/2026	2.0	<b>3.50</b>	72.7	<0.276	<0.207	<33.4	<b>17.2</b>	<18.9	<b>0.281</b>	<0.581	<269
SEP02-DL@2'	2/25/2026	2.0	<b>3.40</b>	75.7	<b>0.437</b>	<0.214	<34.0	<b>18.4</b>	<19.2	0.185	<0.592	<274
1.25x Maximum Background Concentration			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
  - 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).
  - Non-detect background results accounted for in the highest background concentration by using the reporting limit.
  - Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- 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  
\*\* Indicates laboratory reporting limit in excess of SSL  
NA - Not analyzed