Cache 8-13, 24, 34; Cornish 8-53

Legend

Site Location

N

0 2,000 4,000 Feet

1 inch = 2,000 feet

1:24,000

DATE: September 2025 DESIGNED BY: B. Nelson DRAWN BY: J. Woffinden	Tasman, Inc. 4725 Independence St. Wheat Ridge, CO 80033	**PDC Energy, Inc. – 69175** **Cache 8-13, 24, 34; Cornish 8-53** NESW, Section 8, Township 6 South, Range 63 West Weld County, Colorado	Site Location Map	Figure 1

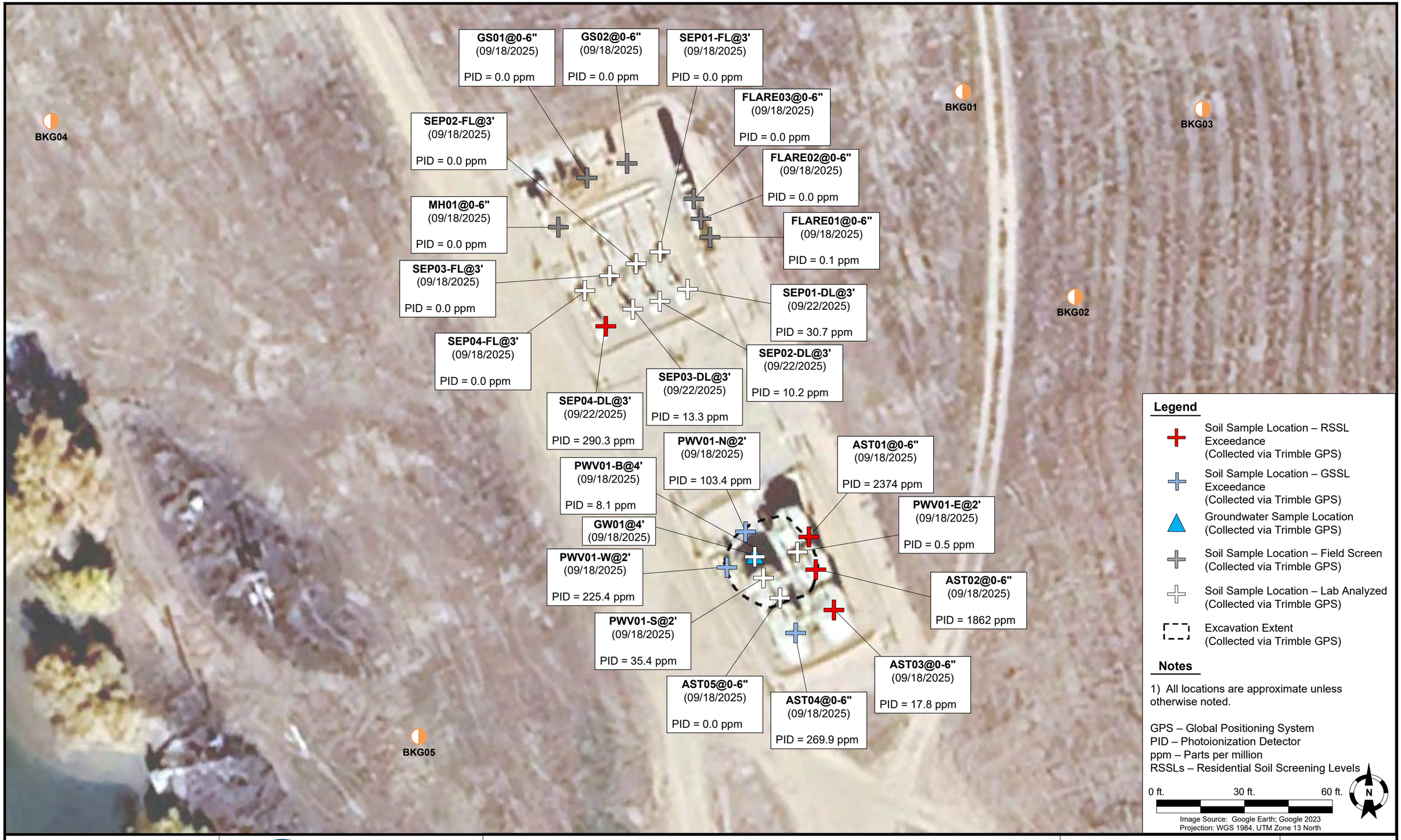
DATE:	September 18, 2025
DESIGNED BY:	J. Whritenour
DRAWN BY:	L. Reed

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

PDC Energy, Inc – 69175
Cache 8-13, 24, 34; Cornish 8-53 Tank Battery
NESW, Section 8, Township 6 North, Range 63 West
Weld County, Colorado

SOIL SAMPLE LOCATION MAP (TANK BATTERY)

FIGURE 2



Legend

- Soil Sample Location – RSSL Exceedance (Collected via Trimble GPS)
- Soil Sample Location – GSSL Exceedance (Collected via Trimble GPS)
- Groundwater Sample Location (Collected via Trimble GPS)
- Soil Sample Location – Field Screen (Collected via Trimble GPS)
- Soil Sample Location – Lab Analyzed (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)

Notes

1) All locations are approximate unless otherwise noted.

GPS – Global Positioning System
PID – Photoionization Detector
ppm – Parts per million
RSSLs – Residential Soil Screening Levels

0 ft. 30 ft. 60 ft. N

Image Source: Google Earth; Google 2023
Projection: WGS 1984, UTM Zone 13 North

DATE:	September 18, 2025
DESIGNED BY:	J. Whritenour
DRAWN BY:	L. Reed

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

PDC Energy, Inc – 69175
Cache 8-13, 24, 34; Cornish 8-53 Tank Battery
NESW, Section 8, Township 6 North, Range 63 West
Weld County, Colorado

PROPOSED SOIL BORING LOCATION MAP

FIGURE 3

TABLE 1
FIELD DATA SUMMARY TABLE
PDC ENERGY, INC. - 69175
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

Sample ID	Sample Date	Depth (ft. bgs)	GPS Data[1] Latitude/Longitude		PDOP Value	VOC Concentration[2] (ppm)
AST01@0-6"	9/18/2025	0-0.5	40.499163	-104.461775	1.3	2,374
AST02@0-6"	9/18/2025	0-0.5	40.499132	-104.461767	1.2	1,862
AST03@0-6"	9/18/2025	0-0.5	40.499093	-104.461744	1.2	17.8
AST04@0-6"	9/18/2025	0-0.5	40.499073	-104.461792	1.0	269.9
AST05@0-6"	9/18/2025	0-0.5	40.499106	-104.461810	0.9	0.0
FLARE01@0-6"	9/18/2025	0-0.5	40.499444	-104.461893	1.0	0.1
FLARE02@0-6"	9/18/2025	0-0.5	40.499461	-104.461904	0.9	0.0
FLARE03@0-6"	9/18/2025	0-0.5	40.499480	-104.461913	0.9	0.0
MH01@0-6"	9/18/2025	0-0.5	40.499454	-104.462080	0.9	0.0
GS01@0-6"	9/18/2025	0-0.5	40.499500	-104.462045	0.9	0.0
GS02@0-6"	9/18/2025	0-0.5	40.499513	-104.461995	0.9	0.0
SEP01-FL@3'	9/18/2025	3	40.499430	-104.461955	NC	0.0
SEP02-FL@3'	9/18/2025	3	40.499420	-104.461985	NC	0.0
SEP03-FL@3'	9/18/2025	3	40.499409	-104.462017	NC	0.0
SEP04-FL@3'	9/18/2025	3	40.499395	-104.462048	NC	0.0
PWV01-B@4'	9/18/2025	4	40.499144	-104.461841	NC	8.1
PWV01-N@2'	9/18/2025	2	40.499167	-104.461853	0.8	103.4
PWV01-E@2'	9/18/2025	2	40.499148	-104.461789	0.8	0.5
PWV01-S@2'	9/18/2025	2	40.499124	-104.461830	NC	35.4
PWV01-W@2'	9/18/2025	2	40.499134	-104.461876	0.8	225.4
SEP01-DL@3′	9/18/2025	3	40.499395	-104.461922	0.9	30.7
SEP01-FL@3′	9/18/2025	3	40.499430	-104.461955	NC	0.0
SEP02-DL@3′	9/18/2025	3	40.499384	-104.461955	0.9	10.2
SEP02-FL@3′	9/18/2025	3	40.499420	-104.461985	NC	0.0
SEP03-DL@3′	9/18/2025	3	40.499376	-104.461989	0.9	13.3
SEP03-FL@3′	9/18/2025	3	40.499409	-104.462017	NC	0.0
SEP04-DL@4′	9/18/2025	4	40.499361	-104.462022	0.9	290.3
SEP04-FL@3′	9/18/2025	3	40.499395	-104.462048	NC	0.0
GW01	9/18/2025	4	40.499144	-104.461841	NC	NA

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

NA = Not applicable

NC = Not collected

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

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"	09/18/2025	0-0.5	**0.12**	**10.3**	**6.61**	**51.6**	**28.6**	**7.99**	**9.99**	**16,220**	**1,310**	**10,800**	**4,110**
AST02@0-6"	09/18/2025	0-0.5	**2.79**	**68.3**	**31.7**	**214**	**108**	**34.2**	**519**	**43,420**	**4,520**	**26,800**	**12,100**
AST03@0-6"	09/18/2025	0-0.5	*<0.028*	*<0.28*	*<0.056*	0.224	*<0.28*	*<0.28*	**0.638**	**11,161**	**40.7**	**7,200**	**3,920**
AST04@0-6"	09/18/2025	0-0.5	*<0.00053*	*<0.0053*	0.0109	0.0809	**0.0594**	**0.809**	**0.0047**	330.8	81.8	122	127
AST05@0-6"	09/18/2025	0-0.5	*<0.00053*	*<0.0053*	*<0.0011*	*<0.0022*	*<0.0053*	*<0.0053*	*<0.0021*	14.0	*<0.21*	14.0	*<6.5*
PWV01-B@4'	09/18/2025	4	*<0.00061*	*<0.0061*	*<0.0012*	*<0.0025*	*<0.0061*	*<0.0061*	*<0.0024*	99.2	*<0.25*	46.1	53.1
PWV01-N@2'	09/18/2025	2	*<0.00059*	*<0.0059*	*<0.0012*	*<0.0023*	*<0.0059*	*<0.0059*	*<0.0022*	67.1	*<0.23*	36.9	30.2
PWV01-W@2'	09/18/2025	2	*<0.00056*	*<0.0056*	*<0.0011*	*<0.0023*	*<0.0056*	*<0.0056*	*<0.0022*	33.8	*<0.23*	19.7	14.1
SEP01-FL@3'	09/18/2025	3	*<0.00057*	*<0.0057*	*<0.0011*	*<0.0021*	*<0.0057*	*<0.0057*	*<0.0021*	29.8	*<0.23*	14.9	14.9
SEP02-FL@3'	09/18/2025	3	*<0.00050*	*<0.0050*	*<0.0010*	*<0.0020*	*<0.0050*	*<0.0050*	*<0.0020*	57.9	*<0.20*	25.7	32.2
SEP03-FL@3'	09/18/2025	3	*<0.00051*	*<0.0051*	*<0.0010*	*<0.0020*	*<0.0051*	*<0.0051*	*<0.0021*	32.7	*<0.20*	15.8	16.9
SEP04-FL@3'	09/18/2025	3	*<0.00049*	*<0.0049*	*<0.00099*	*<0.0020*	*<0.0049*	*<0.0049*	*<0.0021*	35.3	*<0.20*	16.4	18.9
SEP01-DL@3'	09/22/2025	3	*<0.00049*	*<0.0049*	*<0.00098*	*<0.0020*	*<0.0049*	*<0.0049*	*<0.0021*	150	*<0.20*	74.3	75.7
SEP02-DL@3'	09/22/2025	3	*<0.00054*	*<0.0054*	*<0.0011*	*<0.0022*	*<0.0054*	*<0.0054*	*<0.0022*	27.8	*<0.22*	12.9	14.9
SEP03-DL@3'	09/22/2025	3	*<0.00053*	*<0.0053*	*<0.0011*	*<0.0021*	*<0.0053*	*<0.0053*	*<0.0023*	176.3	*<0.21*	128	48.3
SEP04-DL@3'	09/22/2025	3	*<0.00050*	*<0.0050*	*<0.0010*	*<0.0020*	*<0.0050*	*<0.0050*	*<0.0021*	**510**	*<0.20*	**372**	**138**

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

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

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"	09/18/2025	0-0.5	*<0.0040*	*<0.20*	*<0.0050*	*<0.0040*	*<0.0040*	*<0.0040*	*<0.0040*	*<0.0040*	*<0.20*	**3.12**	*<0.0040*	*<0.0040*	**21.1**	**35.6**
AST02@0-6"	09/18/2025	0-0.5	*<41**	*<41**	**146**	*<41**	*<41**	*<41**	**60**	*<41**	**69.4**	**832**	*<41**	**49.5**	**2,960**	**4,430**
AST03@0-6"	09/18/2025	0-0.5	*<0.0041*	*<0.0041*	*<0.0051*	0.0962	*<0.0041*	*<0.0041*	*<0.0041*	*<0.0041*	0.0648	**1.04**	*<0.0041*	0.0672	**6.92**	**7.65**
AST04@0-6"	09/18/2025	0-0.5	*<0.0039*	*<0.0039*	*<0.0049*	*<0.0039*	*<0.0039*	*<0.0039*	*<0.0039*	*<0.0039*	*<0.0039*	0.0291	*<0.0039*	*<0.0039*	**0.0449**	**0.0642**
AST05@0-6"	09/18/2025	0-0.5	*<0.0042*	*<0.0042*	*<0.0052*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*
PWV01-B@4'	09/18/2025	4	*<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-N@2'	09/18/2025	2	*<0.0044*	*<0.0044*	*<0.0055*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	**0.0091**	0.0139
PWV01-W@2'	09/18/2025	2	*<0.0044*	*<0.0044*	*<0.0055*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	*<0.0044*	**0.0134**	0.0168
SEP01-FL@3'	09/18/2025	3	*<0.0042*	*<0.0042*	*<0.0053*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*
SEP02-FL@3'	09/18/2025	3	*<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*
SEP03-FL@3'	09/18/2025	3	*<0.0042*	*<0.0042*	*<0.0053*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*
SEP04-FL@3'	09/18/2025	3	*<0.0042*	*<0.0042*	*<0.0052*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*	*<0.0042*
SEP01-DL@3'	09/22/2025	3	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*
SEP02-DL@3'	09/22/2025	3	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*	*<0.0022*
SEP03-DL@3'	09/22/2025	3	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*	*<0.0023*
SEP04-DL@3'	09/22/2025	3	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	0.0027	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*	*<0.0021*

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

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

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"	9/18/2025	0-0.5	7.71	1.6	0.413	*<0.50*
AST02@0-6"	9/18/2025	0-0.5	**8.82**	0.90	1.15	*<0.50*
AST03@0-6"	9/18/2025	0-0.5	7.62	1.2	2.53	*<0.50*
AST04@0-6"	9/18/2025	0-0.5	7.79	1.8	**7.07**	*<0.50*
AST05@0-6"	9/18/2025	0-0.5	8.1	0.30	0.230	*<0.50*
PWV01-B@4'	9/18/2025	4	**9.25**	0.21	0.872	*<0.50*
PWV01-N@2'	9/18/2025	2	**9.02**	*<0.010*	0.142	*<0.50*
PWV01-W@2'	9/18/2025	2	**8.33**	0.32	0.222	*<0.50*
SEP01-FL@3'	9/18/2025	3	**9.22**	0.63	0.547	*<0.50*
SEP02-FL@3'	9/18/2025	3	**8.33**	*<0.010*	1.03	*<0.50*
SEP03-FL@3'	9/18/2025	3	8.25	*<0.010*	0.185	*<0.50*
SEP04-FL@3'	9/18/2025	3	**9.24**	*<0.010*	2.69	*<0.50*
SEP01-DL@3'	9/22/2025	3	8.15	0.56	0.546	*<0.50*
SEP02-DL@3'	9/22/2025	3	8.02	*<0.010*	1.32	*<0.50*
SEP03-DL@3'	9/22/2025	3	**9.32**	0.36	0.495	*<0.50*
SEP04-DL@3'	9/22/2025	3	**9.01**	0.54	0.436	*<0.50*

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

EC = Electrical conductivity

SAR = Sodium adsoprtion ratio

mmhos/cm = Millimohs per centimeter

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

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
AST01@0-6"	45918.45833	0-0.5	**2.4**	58.6	0.074	*<0.42*	3.1	4.8	2.7	*<0.14*	*<0.10*	12.0
AST02@0-6"	45918.45972	0-0.5	**2.3**	39.4	0.083	*<0.44*	6.3	4.8	6.8	*<0.12*	*<0.099*	17.7
AST03@0-6"	45918.46111	0-0.5	**1.8**	30.7	0.049	*<0.40*	5.6	4.3	3.0	*<0.17*	*<0.098*	16.5
AST04@0-6"	45918.4625	0-0.5	**1.2**	22.0	0.048	**0.82**	3.0	2.7	2.2	0.17	*<0.099*	9.3
AST05@0-6"	45918.46389	0-0.5	**2.2**	35.6	0.041	*<0.44*	2.2	3.6	2.1	*<0.12*	*<0.10*	9.4
PWV01-B@4'	45918.5625	4	**2.9**	34.2	0.069	*<0.47*	2.7	3.8	2.7	*<0.16*	*<0.11*	11.8
PWV01-N@2'	45918.56389	2	**3.0**	30.4	0.072	*<0.45*	2.8	3.9	2.6	*<0.12*	*<0.11*	11.2
PWV01-W@2'	45918.56806	2	**2.5**	36.2	0.057	*<0.46*	2.6	3.7	2.5	*<0.14*	*<0.11*	11.2
SEP01-FL@3'	45918.50833	3	**2.8**	44.7	0.090	*<0.45*	3.5	5.8	2.9	*<0.13*	*<0.11*	12.9
SEP02-FL@3'	45918.50903	3	**2.5**	44.7	0.16	*<0.43*	3.6	5.6	2.8	*<0.12*	*<0.10*	13.9
SEP03-FL@3'	45918.50972	3	**3.6**	57.9	0.083	*<0.42*	3.3	5.1	3.5	*<0.12*	*<0.11*	12.2
SEP04-FL@3'	45918.51042	3	**2.7**	52.5	0.050	*<0.44*	2.5	4.3	2.6	*<0.15*	*<0.10*	10.9
SEP01-DL@3'	09/22/2025	3	**2.3**	34.8	0.069	*<0.41*	3.2	5.0	2.0	0.088	*<0.057*	11.6
SEP02-DL@3'	09/22/2025	3	**2.7**	36.3	0.091	*<0.43*	3.1	4.4	2.5	0.10	*<0.075*	13.2
SEP03-DL@3'	09/22/2025	3	**2.3**	32.2	0.14	*<0.44*	3.3	4.3	2.3	0.11	*<0.078*	11.4
SEP04-DL@3'	09/22/2025	3	**2.4**	37.2	0.099	*<0.42*	3.4	10.7	2.2	0.11	*<0.068*	13.7

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.
3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
4. Reporting limit used for 1.25 multiplier when all background results for a specific metal are non-detect.
5. * Indicates laboratory minimum detection limit in excess of SSL.
6. 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

TABLE 6
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	Depth to Groundwater Below Ground Surface (ft)
ECMC Table 915-1 Limits		5.0	560	700	1,400	140	67	67	
GW01	9/18/2025	*<0.50*	*<1.0*	*<1.0*	*<1.0*	*<5.0*	*<2.0*	6.8	4

Notes:

1. **Bold** values exceed the ECMC limit(s)
2. Blue highlighted groundwater analytical values indicate a regulatory exceedance

NA = Not Analyzed

ECMC = Energy & Carbon Management Commission

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

µg/L = micrograms per liter

ft. = Feet

TABLE 7
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
CACHE 8-13, 24, 34; CORNISH 8-53 TANK BATTERY, WELD COUNTY, COLORADO
REM # 40661

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
GW01	09/18/25	652	12	118

Notes:

1. **Bold** values exceed the ECMC limit(s)
2. Blue highlighted groundwater analytical values indicate a regulatory exceedance

NA = Not Analyzed, IW = Insufficient Water
ECMC = Energy & Carbon Management Commission
mg/L = Milligrams per liter

TANK BATTERY DECOMMISSIONING FORM

CLIENT: PDC Energy,Inc. or PDC Permian **SITE NAME:** Cache 8-13, 24, 34; Cornish 8-53	**DATE:** 9/18/2025	**REM. PROJECT #:** 40661 **WEATHER:** Sunny 70
SITE DIRECTIONS: CR 61.5/CR70 .75mi E, .5Mi NE, .2Mi E, .2Mi N into site	**JOB#:** 10772	
LEGALS AND LAT/LONG: 40.499278, -104.46191	**TASMAN PERSONNEL:** SW, EL	
SOIL TYPES: Well Graded Sand - SW	**SURFACE GRADIENT:** South	

SOIL SAMPLING

Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?
09-18-2025 11:00	AST01@0-6”	2374	HC Staining	Strong HC Oc	Yes	Lab
09-18-2025 11:02	AST02@0-6”	1862	HC Staining	Strong HC Oc	Yes	Lab
09-18-2025 11:04	AST03@0-6”	17.8	No Staining	No Odor	Yes	Lab
09-18-2025 11:06	AST04@0-6”	269.9	HC Staining	HC Odor	Yes	Lab
09-18-2025 11:08	AST05@0-6”	0.0	No Staining	No Odor	Yes	Lab
09-18-2025 11:14	FLARE01@0-6”	0.1	No Staining	No Odor	Yes	Grab
09-18-2025 11:15	FLARE02@0-6	0.0	No Staining	No Odor	Yes	Grab
09-18-2025 11:17	FLARE03@0-6”	0.0	No Staining	No Odor	Yes	Grab
09-18-2025 11:20	MH01@0-6”	0.0	No Staining	No Odor	Yes	Grab
09-18-2025 11:23	GS01@0-6”	0.0	No Staining	No Odor	Yes	Grab
09-18-2025 11:25	GS02@0-6”	0.0	No Staining	No Odor	Yes	Grab
09-18-2025 12:12	SEP01-FL@3’	0.0	No Staining	No Odor	Yes	Lab
09-18-2025 12:13	SEP02-FL@3’	0.0	No Staining	No Odor	Yes	Lab
09-18-2025 12:14	SEP03-FL@3’	0.0	No Staining	No Odor	Yes	Lab
09-18-2025 12:15	SEP04-FL@3’	0.0	No Staining	No Odor	Yes	Lab
09-18-2025 13:30	PWV01-B@4’	8.1	No Staining	No Odor	Yes	Lab
09-18-2025 13:32	PWV01-N@2’	103.4	No Staining	No Odor	Yes	Lab
09-18-2025 13:34	PWV01-E@2’	0.5	No Staining	No Odor	Yes	Grab
09-18-2025 13:36	PWV01-S@2’	35.4	No Staining	No Odor	Yes	On-hold
09-18-2025 13:38	PWV01-W@2’	225.4	No Staining	No Odor	Yes	Lab
09-22-2025 11:10	SE0P01-DL@3’	30.7	No Staining	No Odor	Yes	Lab
09-22-2025 11:17	SEP02-DL@3’	10.2	No Staining	No Odor	Yes	Lab

GROUNDWATER SAMPLING

Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?
9/18/2025 13:50	GW01	4’	Medium Turbid	None	None	Yes

FACILITY INFRASTRUCTURE

EQUIPMENT	Quantity
Above Ground Storage Tank (AST)	5 ✓
Buried or Partially Buried Vessel	1 ✓
Separator	4 ✓
Emission Control Device (ECD)	3 ✓
Dump Line	4 ✓
Wellhead	
Flowline	
Other: MH01, GS01, GS02	

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?

Date	BBLS
Total Removed	0

Disposal Facility:

SOIL SAMPLING

Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?
09-22-2025 11:19	SEP03-DL@3’	13.3	No Staining	No Odor	Yes	Lab
09-22-2025 11:21	SEP04-DL@3’	290.3	No Staining	HC Odor	Yes	Lab

Soil Loads Removed

Date	Number	CY
Total Removed	0	0
Disposal Facility:		

Groundwater Recovery

Date	BBLS
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? Yes
2. Does the soil sample from the stained area have a petroleum odor? Yes
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: Cache 8-13, 24, 34; Cornish 8-53

Please Circle Facility Type: Production Facility

Date: 9/18/2025

GENERAL OBSERVATION FORM

Site Area/AOC: Cache 8-13, 24, 34; Cornish 8-53

Client: PDC Energy,Inc. or PDC Permian

Daily Forecast/Weather: Sunny 70

Personnel: SW, EL

Task/Location Description: Tank Battery decommissioning

Time	Description
10:19	Arrived on site, completed JSA and met with Crew
	ASTs were moved prior to being on site
	Prouduced water vessel and Seperators are still intact upon arrival
	flares were removed
	Pond South west of site
	Leaking fluid near AST01 and PWV
	AST01, 02 & 04 all have high HC odor on surface
	SEP01-04-FL are all connected to Cornish 8-53 Wellhead (REM#42201)
	GS01/GS02 are associated with previous Gas Jack
	No PDOPs for Seperator Flowline Samples due to no access in pit (samples were taken with Excavator)
	High PID readings on PWV01
	Groundwater found at 4’ in PWV01, had to dig down to pool in water for sample
	9/22/25
	On site, completed JSA. Met with crew & Mike Montoya
	Plan for today is to take separator dump line samples & remove sales line (REM#42201)
	Dump lines were pulled when we arrived on site, crew is working on excavator now then will grab our samples from pit
11:24	Finished jarring dump line samples - wrapped up for tank battery

Need a photo log? X

Need another General Observation Form?

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: AST01@0-6”	**Equipment Type:** Above Ground Storage Tank	
Material: Steel	**Volume:** 100 BBL	**Contents:** Crude Oil
Notes/Conditions: West Facing		

Equipment ID: AST02@0-6”	**Equipment Type:** Above Ground Storage Tank	
Material: Steel	**Volume:** 100 BBL	**Contents:** Crude Oil
Notes/Conditions: North facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: AST003@0-6"	**Equipment Type:** Above Ground Storage Tank	
Material: Steel	**Volume:** 100 BBL	**Contents:** Crude Oil
Notes/Conditions: South Facing		

Equipment ID: AST04@0-6"	**Equipment Type:** Above Ground Storage Tank	
Material: Steel	**Volume:** 100 BBL	**Contents:** Crude Oil
Notes/Conditions: West facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: AST05@0-6”	Equipment Type: Above Ground Storage Tank	
Material: Steel	Volume: 100 BBL	Contents: Crude Oil
Notes/Conditions: West Facing		

Equipment ID: FLARE01@0-6”	Equipment Type: Emission Control Device	
Material: Steel	Volume: 100 BBL	Contents: Condensate
Notes/Conditions: West facing		

Photographic Log

Equipment ID: FLARE02@0-6”	**Equipment Type:** Emission Control Device	
Material: Steel	**Volume:**	**Contents:** Condensate
Notes/Conditions: West Facing		

Equipment ID: FLARE03@0-6”	**Equipment Type:** Emission Control Device	
Material: Steel	**Volume:**	**Contents:** Condensate
Notes/Conditions: West Facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: MH01@0-6”	Equipment Type:	
Material:	Volume:	Contents:
Notes/Conditions: South Facing		

Equipment ID: GS01@0-6”	Equipment Type:	
Material:	Volume:	Contents:
Notes/Conditions: West Facing, iron staining on surface		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: GS02@0-6"	Equipment Type:	
Material:	Volume:	Contents:
Notes/Conditions: West Facing		

Equipment ID: SEP01-FL@3'	Equipment Type: Flowline	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: West Facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: SEP02-FL@3'	**Equipment Type:** Flowline	
Material: Steel	**Volume:**	**Contents:** Crude Oil
Notes/Conditions: West Facing		

Equipment ID: SEP03-FL@3'	**Equipment Type:** Flowline	
Material: Steel	**Volume:**	**Contents:** Crude Oil
Notes/Conditions: West Facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: SEP04-FL@3'	**Equipment Type:** Flowline	
Material: Steel	**Volume:**	**Contents:** Crude Oil
Notes/Conditions: West Facing		

Equipment ID: PWV01-B@4'/GW01	**Equipment Type:** Partially Buried Vault	
Material: Fiberglass	**Volume:** 100 BBL	**Contents:** Produced Water
Notes/Conditions: North Facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: PWV01-N@2'	Equipment Type: Partially Buried Vault	
Material: Fiberglass	Volume: 100 BBL	Contents: Produced Water
Notes/Conditions: North Facing		

Equipment ID: PWV01-E@2'	Equipment Type: Partially Buried Vault	
Material: Fiberglass	Volume: 100 BBL	Contents: Produced Water
Notes/Conditions: East Facing		

TANK BATTERY DECOMMISSIONING

Photographic Log

Equipment ID: PWV01-S@2'	**Equipment Type:** Partially Buried Vault	
Material: Fiberglass	**Volume:** 100 BBL	**Contents:** Produced Water
Notes/Conditions: South facing		

Equipment ID: PWV01-W@2'	**Equipment Type:** Partially Buried Vault	
Material: Fiberglass	**Volume:** 100 BBL	**Contents:** Produced Water
Notes/Conditions: West Facing		

Photographic Log

Equipment ID: SEP01-DL@3'	Equipment Type: Dump Line	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: West Facing		

Equipment ID: SEP02-DL@3'	Equipment Type: Dump Line	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: WestFacing		

Photographic Log

Equipment ID: SEP03-DL@3'	Equipment Type: Dump Line	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: West Facing		

Equipment ID: SEP04-DL@3'	Equipment Type: Dump Line	
Material: Steel	Volume:	Contents: Crude Oil
Notes/Conditions: West Facing		