



SAMPLE KEY	
EQUIPMENT TYPE	ACRONYM
Oil Tank	AST
PW Vessel	PWV
PW Vessel Dump Line	WDL
Separator Flowline(s)	SEP-FL
Separator Dump Line(s)	SEP-DL
Flare	ECD
3rd Party Meter House	MH

DATE:	October 25, 2021
DESIGNED BY:	C. Hamlin
DRAWN BY:	B. GOLDADE



TASMAN
GEOSCIENCES

Tasman Geosciences, Inc.
6855 W. 119th Ave.
Broomfield, CO 80020

PDC Energy, Inc. – DJ Basin
Former Larson Farms 3,4,5,6,7-24 Facility
NESW, Section 24, Township 6 North, Range 64 West
Weld County, Colorado

**SOIL SAMPLE
LOCATION MAP
(TANK BATTERY –
COMBINED)**



DATE:	August 6, 2021
DESIGNED BY:	C. Hamlin
DRAWN BY:	J. Marcus



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EXCAVATION SITE MAP
(SEPARATOR)

FIGURE
2



DATE:	August 5, 2021
DESIGNED BY:	C. Hamlin
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EXCAVATION SITE MAP
(CENTER PRODUCED
WATER VESSEL)

FIGURE
3



DATE: October 26, 2021	 TASMAN GEOSCIENCES	Tasman Geosciences, Inc. 6855 W. 119 th Ave. Broomfield, CO 80020	PDC Energy, Inc. – DJ Basin Former Larson Farms 3,4,5,6,7-24 Facility NESW, Section 24, Township 6 North, Range 64 West Weld County, Colorado	EXCAVATION SITE MAP (WEST PRODUCED WATER VESSEL)	FIGURE 4
DESIGNED BY: C. Hamlin					
DRAWN BY: B. Goldade					



DATE: October 27, 2021	 TASMAN GEOSCIENCES	Tasman Geosciences, Inc. 6855 W. 119 th Ave. Broomfield, CO 80020	PDC Energy, Inc. – DJ Basin Former Larson Farms 3,4,5,6,7-24 Facility NESW, Section 24, Township 6 North, Range 64 West Weld County, Colorado	PROPOSED MONITORING WELL LOCATION MAP	FIGURE 5
DESIGNED BY: C. Hamlin					
DRAWN BY: B. Goldade					



DATE:	August 27, 2021
DESIGNED BY:	C. Hamlin
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Weld County, Colorado

**SOIL SAMPLE
LOCATION MAP
(WELLHEAD)**

**FIGURE
6**



Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- + Laboratory Soil Sample Location
(Collected via Trimble GPS)
- + Field Screening Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; September 2013
Projection: WGS 84 UTM Zone 13 North



DATE:	August 27, 2021
DESIGNED BY:	C. Hamlin
DRAWN BY:	T. Murrel



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**SOIL SAMPLE
LOCATION MAP
(FLOWLINE)**

**FIGURE
7**





Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- Laboratory Soil Sample Location
(Collected via Trimble GPS)
- Field Screening Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; September 2013
Projection: WGS 84 UTM Zone 13 North

DATE:	August 27, 2021
DESIGNED BY:	C. Hamlin
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**SOIL SAMPLE
LOCATION MAP
(FLOWLINE)**

**FIGURE
9**





Legend

- Underground Flowline Location (Collected via Trimble GPS)
- ⊕ Laboratory Soil Sample Location (Collected via Trimble GPS)
- ⊕ Field Screening Sample Location (Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; September 2013
Projection: WGS 84 UTM Zone 13 North



DATE:	August 27, 2021
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**SOIL SAMPLE
LOCATION MAP
(WELLHEAD)**

**FIGURE
12**



Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- ✚ Laboratory Soil Sample Location
(Collected via Trimble GPS)
- ✚ Field Screening Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; September 2013
Projection: WGS 84 UTM Zone 13 North





Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- + Laboratory Soil Sample Location
(Collected via Trimble GPS)
- + Field Screening Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; September 2013
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**SOIL SAMPLE
LOCATION MAP
(FLOWLINE)**

**FIGURE
15**