



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

Legend

- Excavation Extent (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. 30 ft. 60 ft.

Image Source: Google Earth; July 2019
Projection: WGS 84 UTM Zone 13 North

DATE: October 25, 2021

DESIGNED BY: C. Hamlin

DRAWN BY: B. GOLDADE

TASMAN
GEOSCIENCES

Tasman Geosciences, Inc.
6855 W. 119th Ave.
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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)

FIGURE
1



DATE: August 6, 2021

DESIGNED BY: C. Hamlin

DRAWN BY: J. Marcus



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EXCAVATION SITE MAP
(SEPARATOR)

FIGURE
2



Legend

-  Excavation Extent
(Collected via Trimble GPS)
-  Laboratory Soil Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 10 ft. 20 ft.

Image Source: Google Earth; July 2019
Projection: WGS 84 UTM Zone 13 North



DATE:	August 5, 2021
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DRAWN BY:	J. Marcus



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Weld County, Colorado

EXCAVATION SITE MAP
(CENTER PRODUCED
WATER VESSEL)

FIGURE
3



Legend

-  Excavation Extent
(Collected via Trimble GPS)
-  Laboratory Soil Sample Location
(Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 10 ft. 20 ft.

Image Source: Google Earth; July 2019
Projection: WGS 84 UTM Zone 13 North



DATE:	October 26, 2021
DESIGNED BY:	C. Hamlin
DRAWN BY:	B. Goldade



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Weld County, Colorado

EXCAVATION SITE MAP
(WEST PRODUCED
WATER VESSEL)

FIGURE
4



Legend

-  Excavation Extent (Collected via Trimble GPS)
-  Proposed Monitoring Well

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System

0 ft. 10 ft. 20 ft.




Image Source: Google Earth; July 2019
Projection: WGS 84 UTM Zone 13 North

DATE:	October 27, 2021
DESIGNED BY:	C. Hamlin
DRAWN BY:	B. Goldade



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Weld County, Colorado

**PROPOSED MONITORING
WELL LOCATION MAP**

**FIGURE
5**



Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- Groundwater Sample Location
- Excavation Extent
(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. 10 ft. 20 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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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**



DATE: August 27, 2021

DESIGNED BY: C. Hamlin

DRAWN BY: T. Murrel



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PDC Energy, Inc. – DJ Basin
Former Larson Farms 4-24 Wellhead
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 Weld County, Colorado

SOIL SAMPLE LOCATION MAP (WELLHEAD)

FIGURE 8



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**



DATE: August 27, 2021

DESIGNED BY: C. Hamlin

DRAWN BY: T. Murrel



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SOIL SAMPLE LOCATION MAP (WELLHEAD)

FIGURE 10



DATE: August 27, 2021

DESIGNED BY: C. Hamlin

DRAWN BY: T. Murrel



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Former Larson Farms 5-24 Flowline
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 Weld County, Colorado

**SOIL SAMPLE
 LOCATION MAP
 (FLOWLINE)**

**FIGURE
 11**



DATE: August 27, 2021

DESIGNED BY: C. Hamlin

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SOIL SAMPLE LOCATION MAP (WELLHEAD)

FIGURE 12



Legend

- Underground Flowline 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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Weld County, Colorado

SOIL SAMPLE LOCATION MAP (FLOWLINE)

FIGURE 13



Legend

- Underground Flowline Location
(Collected via Trimble GPS)
- Excavation Extent
(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. 10 ft. 20 ft.

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

**FIGURE
14**



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
15**