



LINE ABANDONMENT IN PLACE FORM

Location Description: **Peters 3 (8 North LLC)** Date: **3/16/22**

Reason for Abandonment in Place per 1105d (mark applicable reason)							Pre Locate Complete?: <input checked="" type="checkbox"/> YES
A: Surface Owner Agreement Allowance	B: Federal Location	C: Co-Located with Other Lines or Right of Way	D: Significant damage to Natural Resources	E: Restricted Occupance Area or Sensitive Wildlife	F: Within 30ft of Public road, Path ROW, Utility or Pipeline Crossing	G: Within 30ft of or under River, Stream, or Wetlands	Ticket Attached?: <input checked="" type="checkbox"/> YES
							Ticket #: A204201137

Company performing the work: **Laser Oilfield Services**

Crew Member Name:	Crew Member Title:	Crew Member Name:	Crew Member Title:
Cesar Ledezma	Operator/Foreman		
Jose Villanueva	Hand/Spotter		
Misael Garcia	Hand/Spotter		
Tyler Novinger	Supervisor		

Welder : (if applicable) _____ Welder Certification #: _____

Description of work to be performed: **Flush flowline. Remove flowline to edge of tank battery pad (75'). Remove riser at wellhead. Install plugs on both ends.**

Remaining Line #1

Remaining Line #1 Desc: **Flowline**

Line Size: 3"	Line Type: Steel	Coating?: Black wrap	Estimated Flowline Depth: 3'
Reason for Leaving Lines in Place: Landowner/Farmer request			Estimated Flowline Length: 5,345'

<input checked="" type="checkbox"/> Yes Line Flush with Fresh Water	<input type="checkbox"/> Line Flush with Fresh Water	<input type="checkbox"/> Yes Passed Gas Monitor Sniff Test
<input checked="" type="checkbox"/> Yes Removed Riser	<input type="checkbox"/> Removed Riser	Test was Conducted By: _____
<input checked="" type="checkbox"/> Yes Installed Threaded Collar and Bullplug	<input type="checkbox"/> Inert Gas Added into Line	
	<input type="checkbox"/> Yes Welded Cap	

Remaining Line #2

Remaining Line #2 Desc: **Supply line**

Line Size: 1"	Line Type: Poly	Coating?: NA	Estimated Flowline Depth: 3'
Reason for Leaving Lines in Place: Landowner/Farmer request			Estimated Flowline Length: 5,345'

<input type="checkbox"/> Yes Line Flush with Fresh Water	<input type="checkbox"/> Line Flush with Fresh Water	<input checked="" type="checkbox"/> Yes Passed Gas Monitor Sniff Test
<input checked="" type="checkbox"/> Yes Removed Riser	<input type="checkbox"/> Removed Riser	Test was Conducted By: _____
<input type="checkbox"/> Yes Installed Threaded Collar and Bullplug	<input type="checkbox"/> Inert Gas Added into Line	
	<input checked="" type="checkbox"/> Yes Welded Cap	

Sales Line/ Riser Still on Location?: Yes No Sales Line Owner?: _____

Name of Qualified 3rd Party Observer : _____ License # : _____

Steven Potts

From: Ryan Finley <Ryan.Finley@apexcos.com>
Sent: Tuesday, April 12, 2022 6:08 PM
To: Steven Potts
Cc: Schuyler Hamilton; Luke Kelly; Maggie Graham; Dan Delahunty
Subject: Peters 3 Flowline Abandonment in Place Observation Packet
Attachments: Abandonment_Verification_Letter-Peters_3.pdf

Hey Steve et al,

Here is the AIP observation packet for observations made by Apex and signed by our Engineer, for abandonment in place activities at the Peters 3 location. Let me know if you would like any revisions to this document and Ill get those completed ASAP.

Cheers,



Ryan Finley
Project Manager
Apex Companies, LLC
209 Main St, Unit A
Mead, CO 80542
M) 303-907-0635

 Add me to your contact list!



[ENR Top 30 All-Environmental Firm](#)



Privacy Notice: This message and any attachment(s) hereto are intended solely for the individual(s) listed in the masthead. This message may contain information that is privileged or otherwise protected from disclosure. Any review, dissemination or use of this message or its contents by persons other than the addressee(s) is strictly prohibited and may be unlawful. If you have received this message in error, please notify the sender by return e-mail and delete the message from your system. Thank you.



April 11, 2022

Schuyler Hamilton
8 North LLC
370 17th Street, Suite 5200
Denver, CO 80202

Subject: Third Party Flowline Abandonment-in-place Verification Letter
Peters 3
(Location ID: 317524)
40.971150, -104.212910
NENW 33 12N61W
Weld County, Colorado

Dear Mr. Hamilton,

This letter shall serve as verification that an Apex Companies LLC (Apex) Field Geologist, working under the supervision of a Professional Engineer registered with the State of Colorado, was present during the abandonment-in-place of the 8 North off-location flowline, Peters 3 (COGCC Location ID: 317524), located in Weld County, Colorado. A pre-abandonment notice under Form 44 Document Number 402468187 was submitted prior to abandonment activities. The Apex Field Geologist observed that the abandonment requirements of Rule 1105.e.(1)-(4) were met including:

1. Evacuate the flowline or crude oil transfer line of any hydrocarbons or produced water to ensure the line is safe and inert;
2. Deplete the flowline or crude oil transfer line to atmospheric pressure;
3. Cut the flowline's or crude oil transfer line's risers to three (3) feet below grade or to the depth of the flowline or crude oil transfer line, whichever is shallower; and
4. Seal the ends of the flowline or crude oil transfer line below grade;

Observations

On March 16, 2022, an Apex Field Geologist was dispatched to the Peters 3 location to observe the depletion of the flowline to atmospheric pressure (Rule 1105.e.2), evacuation of any remaining hydrocarbons or produced water from the flowline (Rule 1105.e.1) and flushing with freshwater of 5,350 feet of 2-inch flowline. Each riser end of the flowline was uncapped and the flowline allowed to deplete to atmospheric pressure. The pipe was then made safe and inert by flushing 75 barrels of fresh water through the full length of flowline until clear water was observed at the receiving end, evacuating any remaining hydrocarbons or produced water from the flowline.

Following flushing activities, Apex observed the flowline being cut (Rule 1105.e.3) and sealed (Rule 1105.e.4) at both ends of abandonment, ends A and B. The flowline was cut at the utility depth, approximately 3-feet at End A, approximately 3 feet at End B. Both ends of the off-location portion of flowline then had threads cut into the outside surface, and a threaded cap was installed and sealed with black tape.

In addition to observation of abandonment activities, the Apex Field Geologist completed a visual assessment of the site for soil staining, salt accumulation, stressed vegetation, daylighting water from flowline flushing, or other signs of soil impacts at the surface. Apex collected soil samples from both ends of the flowline being abandoned and submitted for Table 915-1 constituents. The flowline was also sampled for suspected asbestos containing coating. Two samples were collected from either end of the flowline from portions being abandoned in place and were submitted for laboratory PLM bulk analysis. Both samples were found to be non-detect for asbestos containing materials.

Sincerely,
Apex Companies, LLC



Dan Delahunty, P.E., CPESC
Program Manager



Attachments:

1. Flowline Abandon-in-Place Checklist
2. Flowline AIP Diagram
3. Photolog



Flowline Abandon-in-place Checklist

Project Manager: Dan Delahunty, Ryan Finley

Site Name(s): Peters 3

Location ID: 317524

Inspector's Name: Alex Ahmadian

Lat/Long: 40.87115, -104.21291 (wellhead)
40.95844, -104.20343 (tank battery)

Abandonment Date: 3/16/2022 Time Onsite: 0810 Time Offsite: 1110

Flowline Information

Type: Steel

Length: 5,350 feet

Diameter: 2.5 inches

Condition: Intact – No noted damage

Coating: Fusion bond

Other: Coating sampled for asbestos, non-detect results

Requirements to be verified (COGCC 1105 e. #1-4)

- Evacuate the flowline or crude oil transfer line of any hydrocarbons or produced water to ensure the line is safe and inert.
 - Start time/date: 3/16/2022 0905
 - End time/date: 3/16/2022 1055
 - Volume of fresh water used: 75 barrels
 - Photos Collected (see photolog)
- Deplete the flowline or crude oil transfer line to atmospheric pressure
 - Date/Time Uncapped
 - End A: 3/16/2022 1110
 - End B: 3/16/2022 1100
- Cut the flowlines or crude oil transfer line's risers to three (3) feet below grade or to the depth of the flowline or crude transfer line, whichever is shallower.
 - Depth of Flowline:
 - End A: 3 feet
 - End B: 3 feet



- Location of cut end
 - End A (wellhead): 40.97113237, -104.212924
 - End B (tank battery): 40.958442°, -104.203288°
- Photos collected and labeled during cutting, and threading activities at each end (see photolog)
- Seal the ends of the flowline or crude transfer line below grade
 - End A
 - Method: Capping
 - Type: Threaded
 - Date/Time: 3/16/2022 1110
 - End B
 - Method: Capping
 - Type: Threaded
 - Date/Time: 3/16/2022 1100
 - Collected time-stamped photos of each sealed end (see photolog).



Peters 3
(Location ID: 317524)
"Flowline Abandon-in-Place
Map"



End A Cut and Cap
Location

End B Cut and Cap
Location

Legend

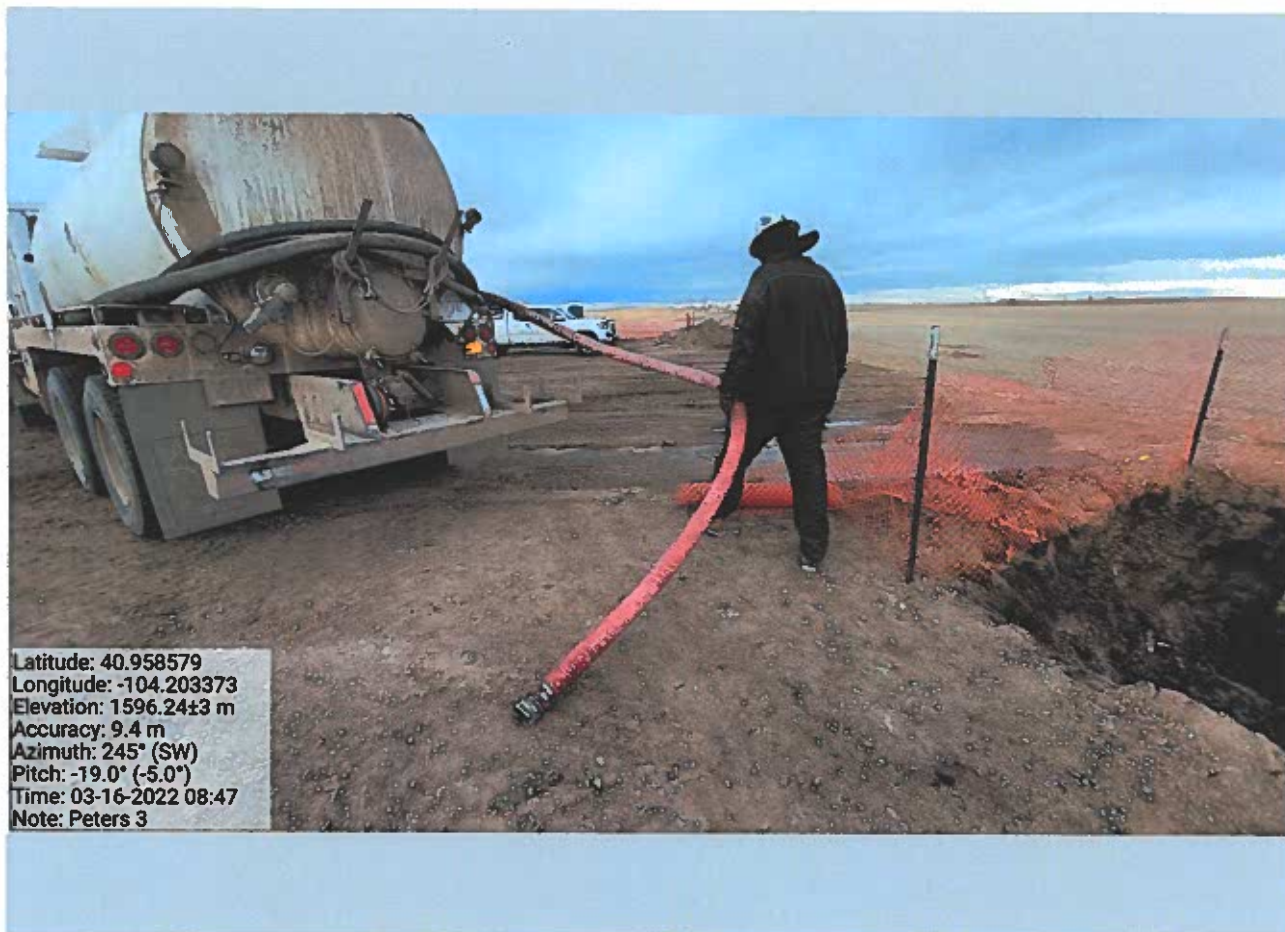
- Abandoned in Place Flowline Ends
- Abandoned in Place Flowline Path

Google Earth

3000 ft



Photo Documentation



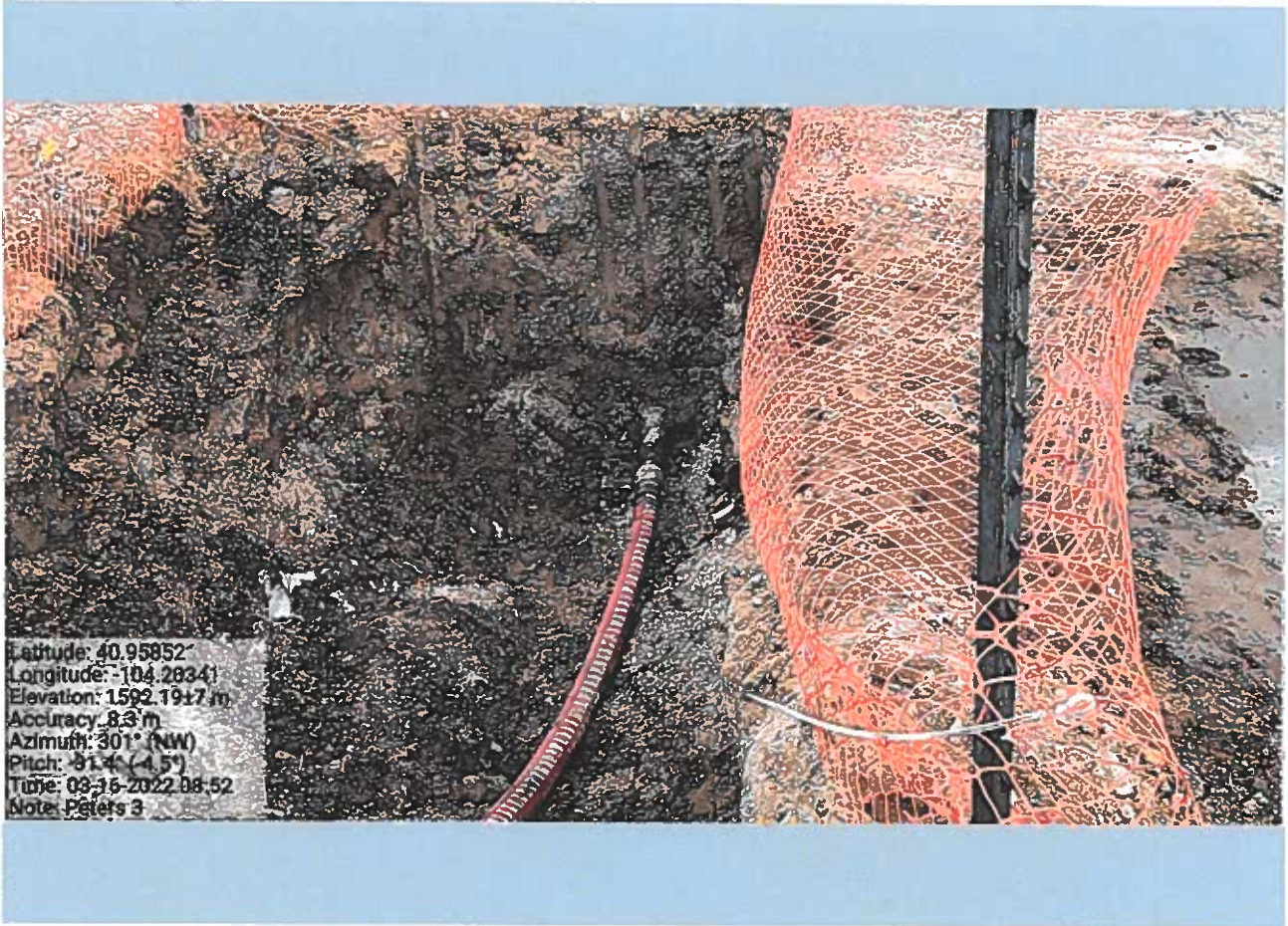
Latitude: 40.958579
Longitude: -104.203373
Elevation: 1596.24±3 m
Accuracy: 9.4 m
Azimuth: 245° (SW)
Pitch: -19.0° (-5.0°)
Time: 03-16-2022 08:47
Note: Peters 3

Description:

Hydro-vacuum truck for flushing flowline at End A.



Photo Documentation



Latitude: 40.95852°
Longitude: -104.28341°
Elevation: 1592.19±7 m
Accuracy: 8.3 m
Azimuth: 301° (NW)
Pitch: 81.4° (-4.5°)
Time: 03-16-2022 08:52
Note: Peters 3

Description:

Hydro-vacuum hose connected to End A of flowline.



Photo Documentation



Latitude: 40.971128
Longitude: -104.213009
Elevation: 1605.34±3 m
Accuracy: 31.1 m
Azimuth: 248° (W)
Pitch: -57.8° (-2.5°)
Time: 03-16-2022 09:11
Note: Peters-3

Description:

Hydro-vacuum hose connected to End B of flowline.



Photo Documentation



Description:

Cut, threaded and capped End A.



Photo Documentation



Latitude: 40.971059
Longitude: -104.212932
Elevation: 1600.43±6 m
Accuracy: 6.7 m
Azimuth: 82° (E)
Pitch: -55.9° (-1.7°)
Time: 03-16-2022 11:15
Note: Peters 3 Wellhead

Description:

Cut, threaded and capped End B.