
Third Party Flowline Abandon in place Verification Letter

Owen Brothers 13-32

Client: Crestone Peak Resources Operating LLC

Facility Name: Owen Brothers 13-32

Location: Sec32, T3N, R67W

Field Survey Date: 1/16/2023

RPG Resources (RPG), on behalf of Crestone Peak Resources Operating LLC performed a third party witnessing of Abandon in Place (ABiP) for the off-location flowline associated with the Owen Brothers 13-32 oil and gas well (API 123-19552). Prior to this work being performed, Form 27 Doc#403177180 was submitted and approved by the COGCC. The abandonment work and associated witnessing was performed on January 16, 2023. The witnessing was conducted by a qualified Field Scientist (Jennifer Loyal), working under the supervision of Joseph Schultz, a Professional Engineer registered with the State of Colorado. The witnessing activities followed the requirements of Rule 1105.e.

The ABiP work on this location included one (1) steel flowline with fusion bond coating. The Owen Brothers 13-32 flowline has a diameter of 2.0 inches. The flowline runs east from the wellhead (End A) to the Owen Brothers 13-32 oil and gas location. Approximately 820 linear feet was ABiP from the Owen Brothers 13-32 wellhead to the separator at the facility (End B).

Field Observations (Rule 1105.e.)

I. Evacuation of Fluids

The line was flushed using two hydrovac trucks. A total of 18.6 barrels of freshwater was used to flush and evacuate the flowline. All water and fluids from the pipe were removed from the site and properly disposed of.

II. Depletion to Atmospheric Pressure

Prior to flushing operations, end A was uncapped at 9:01 AM and end B was uncapped at 9:01 AM per attached report, and released to atmospheric pressure. Upon fluid evacuation described above, the hydrovac hoses and valve sets were safety removed allowing the flanged pipe ends full exposure to normalize to atmospheric pressure.

III. Cutting of Flowline(s)

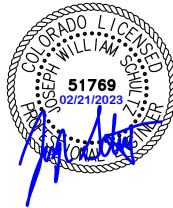
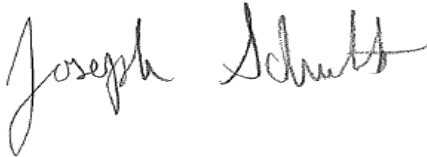
The flowline was cut 6.5 feet below ground surface at End A. At End B, the flowline was cut 4.0 feet below ground surface. End point coordinates were documented at both ends of the flowline.

IV. Sealing of Pipe Ends

The flowline was threaded, wrapped with white tape and capped at End A and End B as shown in the attached report.

The attached field report and map detail the work performed as part of the ABiP witnessing event.

Sincerely,
RPG Resources, LLC



Joe Schultz, P.E.
Business & Engineering Manager, Rockies Region

Attachments:

1. Flowline Abandon-in-Place Map
2. Field Observation Report

CRESTONE PEAK RESOURCES OPERATING LLC
OWENS BROTHERS 13-32
SEC 32, T3N, R67W, 6th P.M.
WELD COUNTY, COLORADO



Map Location: S:\00 Projects\Civitas\ABIP\Owens Brothers 13-32

Maxar, Microsoft, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

**FLOWLINE
ABANDON-IN-PLACE
MAP**

- Flowline Endpoint
- Flowline

Projection: WGS 1984
Date: 2/21/2023
Drafted by: RDB
Revised:

1 inch equals 150 feet

Flowline Abandonment Report



Background Information

Site/Well Pad Name: Owen Brothers 13-32	Date: 01/16/2023
AFE Number:	Weather: 32 ° F, overcast, light wind
RPG Consultant: Jennifer Loyal	Site Contractor: Laser Oil Field Services
Location: T:3N R:67W SEC: 32	Contractor Foreman: Tyler Novinger
Client: Crestone Peak Resources Operating LLC	Sub Contractor: None
Arrival Time: 09:00 AM	Engineer: Joe Schultz
Departure Time: 11:00 AM	Site Visitors: None
	Equipment Onsite: One mini excavator, and two hydro vac trucks

Flowline Information

Type: Steel with fusion bond coating	End A Location: 40.180774 °N, 104.920973 °W
Length: Approximately 820 feet	End B Location: 40.180739 °N, 104.918024
Diameter: 2-inches	
Condition: Good	
Coating: Fusion bond coating	

Flowline Abandonment Report



Construction Activities

105.e.1 Evacuate hydrocarbons or produced water

Was this step completed?

Yes

Date Completed:

01/16/2023

Start Date:

01/16/2023

End Date:

01/16/2023

Start Time:

09:40 AM

End Time:

09:56 AM

Volume of Water Used:

18.6 barrels

Additional Information:

105.e.2 Deplete to atmospheric pressure

Was this step completed?

Yes

Date Completed:

01/16/2023

End A

Uncapped?

Yes

Date Uncapped:

01/16/2023

Time Uncapped:

09:01 AM

End B

Uncapped?

Yes

Date Uncapped:

01/16/2023

Time Uncapped:

09:01 AM

Additional Information:

Flowline Abandonment Report



105.e.3 Cut 3' below grade or depth of flowline transfer line, whichever is shallower

Was this step completed?

Yes

Date Completed:

01/16/2023

End A

Depth of Flowline:

Approximately 6.5 feet

Location of Cut End:

40.180774 °N, 104.920973 °W

End B

Depth of Flowline:

Approximately 4.0 feet

Location of Cut End:

40.180739 °N, 104.918024

Additional Information:

105.e.4 Seal ends below grade

Was this step completed?

Yes

Date Completed:

01/16/2023

End A

Method:

Capped

Type:

Threaded

Date:

01/16/2023

Time:

10:18 AM

End B

Method:

Capped

Type:

Threaded

Date:

01/16/2023

Time:

10:18 AM

Additional Information:



Noteworthy Events:

Health, Safety and Environment:

The well is located within an active gravel mine. Multiple bulldozers, skid steers, and other equipment was observed traveling along the available access roads. Extra care was taken while driving to pay attention to surroundings.



Flowline Abandonment Report



Information		Photo
Photo #: Location: Description:	1 End A End A prior to flushing activity	 <p>Jan 16, 2023 at 9:32:02 AM 12248 County Road 15 Longmont CO 80504 United States</p>
Photo #: Location: Description:	2 End B End B during flushing activity	 <p>Jan 16, 2023 at 9:48:51 AM Longmont CO, 80504 United States</p>



Flowline Abandonment Report



Information		Photo
Photo #: Location: Description:	3 Meter at End A Meter prior to flushing activity	 <p>Jan 16, 2023 at 9:32:12 AM 12248 County Road 15 Longmont CO 80504 United States</p>
Photo #: Location: Description:	4 Meter at End A Meter post flushing activity	 <p>Jan 16, 2023 at 9:57:17 AM 12248 County Road 15 Longmont CO 80504 United States</p>

Flowline Abandonment Report



Information		Photo
Photo #: Location: Description:	5 End A End A post flushing activity	 <p>Jan. 16, 2023 at 10:20:25 AM 12248 County Road 15 Longmont CO 80504 United States</p>
Photo #: Location: Description:	6 End B End B post flushing activity	 <p>Jan. 16, 2023 at 10:25:01 AM Longmont CO 80504 United States</p>