

Third Party Flowline Abandon in place Witness Letter

Rasmussen 12-28

Client: Crestone Peak Resources Operating LLC

Facility Name: Rasmussen 12-28

Location: Sec28, T2N, R68W

Field Survey Date: 5/4/2023

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 Rasmussen 12-28 oil and gas well (API 123-21362). Prior to this work being performed, Form 27 Doc#403261182 was submitted and approved by the Colorado Energy and Carbon Management Commission (ECMC). The abandonment work and associated witnessing was performed on May 4, 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 Rasmussen 12-28 flowline has a diameter of 2.5 inches. The flowline runs west about 500 feet from the wellhead (End A) and then north about 700 feet to the Rasmussen 62N68W / 28SENW Multi Well facility. Approximately 1,200 linear feet was ABiP from the Rasmussen 12-28 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 33.2 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 11:45 AM and end B was uncapped at 11:40 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)

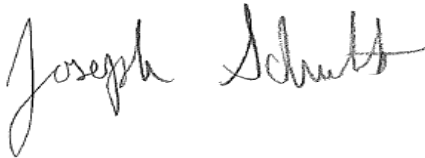
The flowline was cut approximately 3 feet below ground surface. At End B, the flowline was cut just above ground surface at the separator. This was done to ensure that the line could be safely located for future abandonments/removals of the other flowlines on location. End point coordinates were documented 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 flowline at End B was tagged denoting the line as ABiP.

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

Sincerely,
RPG Resources, LLC

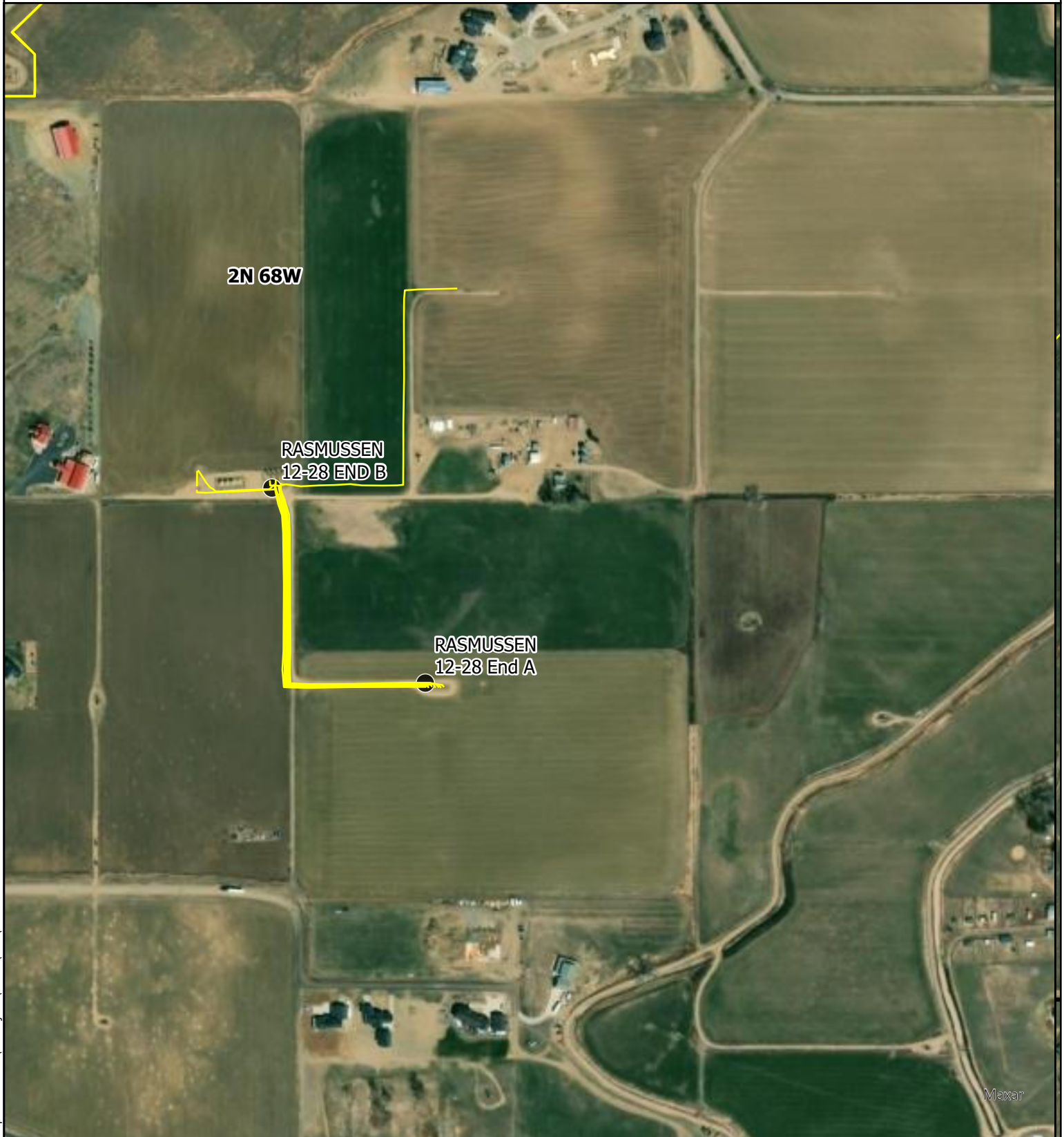


Joe Schultz, P.E.
Business & Engineering Manager, Rockies Region

Attachments:

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

CRESTONE PEAK RESOURCES OPERATING LLC
RASMUSSEN 12-28
SEC 28, T2N, R65W, 6th P.M. WELD COUNTY,
COLORADO

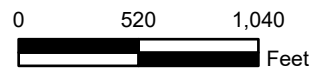


Map Location: S:\00 Projects\Civitas\ABIP\Owens Brothers 13-32

FLOWLINE ABANDON-IN-PLACE MAP

- Flowline Endpoint
- Civitas_Pipelines_2023

Projection: WGS 1984
Date: 5/10/2023
Drafted by: RDB
Revised:



1 inch equals 833 feet

Flowline Abandonment Report



Background Information

Site/Well Pad Name: Rasmussen 62N68W / 28SEW Mult Well Pad	Date: 05/04/2023
AFE Number: 22709	Weather: 60 degrees, sunny, wind: WSW at 13 mph
RPG Consultant: Jennifer Loyal	Site Contractor: Laser Oil Field Services
Location: S: 28 T: 2N R: 68W	Contractor Foreman: Tyler Novinger
Client: Civitas	Sub Contractor: None
Arrival Time: 08:00 AM	Engineer: Joe Schultz
Departure Time: 01:30 AM	Site Visitors: None
	Equipment Onsite: Two hydro vac trucks, one mini excavator

Flowline Information

Type: Steel with fusion bond coating	End A Location: 40.112, -105.011
Length: Approximately 1,200 feet	End B Location: 40.113, -105.013
Diameter: Approximately 2.50 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:

05/04/2023

Start Date:

05/04/2023

End Date:

05/04/2023

Start Time:

12:10 PM

End Time:

12:32 AM

Volume of Water Used:

33.2 Barrels

Additional Information:

105.e.2 Deplete to atmospheric pressure

Was this step completed?

Yes

Date Completed:

05/04/2023

End A

Uncapped?

Yes

Date Uncapped:

05/04/2023

Time Uncapped:

11:45 AM

End B

Uncapped?

Yes

Date Uncapped:

05/04/2023

Time Uncapped:

11:40 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:

05/04/2023

End A

Depth of Flowline:

Approximately 3 feet

Location of Cut End:

40.112, -105.011

End B

Depth of Flowline:

Surface at separator

Location of Cut End:

40.113, -105.013

Additional Information:

105.e.4 Seal ends below grade

Was this step completed?

Yes

Date Completed:

05/04/2023

End A

Method:

Capped

Type:

Threaded

Date:

05/04/2023

Time:

01:01 PM

End B

Method:

Capped

Type:

Threaded

Date:

05/04/2023

Time:

12:37 PM

Additional Information:

Noteworthy Events:

Health, Safety and Environment:



Flowline Abandonment Report



Information	Photo	
<p>Photo #: Location: Description:</p>	<p>1 Wellhead End A prior to flushing activity</p>	 <p>May 4, 2023 at 11:58:05 AM 7750 County Road 5 Longmont CO 80504 United States</p>
<p>Photo #: Location: Description:</p>	<p>2 Separator End B prior to flushing activity</p>	 <p>May 4, 2023 at 12:02:30 PM 7750 County Road 5 Longmont CO 80504 United States</p>



Flowline Abandonment Report



Information		Photo
Photo #: Location: Description:	3 End B at separator Meter on vacuum truck prior to flushing activity	 <p>May 4, 2023 at 12:02:14 PM 7750 County Road 5 Longmont CO 80504 United States</p>
Photo #: Location: Description:	4 End B at separator Meter on vacuum truck	 <p>May 4, 2023 at 12:35:34 PM 7750 County Road 5 Longmont CO 80504 United States</p>

Flowline Abandonment Report



Information	Photo	
<p>Photo #: Location: Description:</p>	<p>5 End A at Wellhead End A post flushing activity</p>	 <p>May 4, 2023 at 1:01:37 PM 7750 County Road 5 Longmont CO 80504 United States</p>
<p>Photo #: Location: Description:</p>	<p>6 End B at separator End B post flushing activity</p>	 <p>May 4, 2023 at 12:37:02 PM 7750 County Road 5 Longmont CO 80504 United States</p>