

## Flowline Closure Checklist

### COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

<i>Additional Attachments:</i>		Tank Battery Closure	Wellhead Closure	Pit Closure	Partially Buried Vault Closure
<i>Site Name &amp; COGCC Facility Number:</i> Shelton 18-25XX		<i>Date:</i> 09/08/23			<i>Remediation Project #:</i> 28440
<i>Associated Wells:</i>		<i>Age of Site:</i>			<i>Number of Photos Attached:</i> 1
<i>Starting point: (GPS coordinates and descriptions)</i> 40.286651/-104.615773					
<i>End point: (GPS coordinates and descriptions)</i> 40.287119/-104.613564					
<i>USCS Soil Type:</i> SW			<i>Estimated Depth to Groundwater:</i> > 3'		
<i>Hydrocarbon Impacted Soils / Spills : (Note estimated size and if impact appears to be surficial or extends to an unknown depth)</i> None observed					
<i>Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)</i> None observed					
Flowlines					
<i>Flowline type</i>	Oil/ Gas / Water				
<i>Depth</i>	3'				
<i>Age</i>					
<i>Length</i>	639'				
<i>Construction Material</i>	steel				
<i>Were flowlines pulled?</i>	yes				
<i>Visual Integrity of lines</i>	good, see observation below				
<i>Visual impacts if trenched</i>	none observed				
<i>PID Readings if trenched</i>	0.2				
<i>Sample taken?</i>	yes, see below				
<i>Location/Sample ID#</i>					
<i>Photo Number(s)</i>	1				
<i>Other observations regarding on location flowlines:</i>  Flowline was fully removed. A grab sample was collected on the flowline path (FL01-C@3'). The A-point of the flowline was sampled during the wellhead decommissioning. The B-point sample was collected during decommissioning of the associated facility (REM #28542).					
Summary					
<i>Was impacted soil identified?</i>		Yes - less than 10 cubic yards		Yes - more than 10 cubic yards	
<b>No</b>					
<i>Total number of samples field screened:</i> 1			<i>Total number of samples collected:</i> 1		
<i>Highest PID Reading:</i> 0.2			<i>Total number of samples submitted to lab for analysis:</i> 1		
<i>If more than 10 cubic yards of impacted soil were observed:</i>					
<i>Vertical extent:</i>			<i>Estimated spill volume:</i>		
<i>Lateral extent:</i>			<i>Volume of soil removed:</i>		
<i>Is additional investigation required?</i>					
<i>Was groundwater encountered during the investigation?</i> <b>No</b> Yes - not impacted or in contact with impacted soils    Yes - groundwater impacted and/or in contact with impacted soils					
<i>Measured depth to groundwater:</i>			<i>Was remedial groundwater removal conducted?</i> Yes                      No		
<i>Date Groundwater was encountered:</i>			<i>Commencement date of removal:</i>		
<i>Sheen on groundwater?</i>		Yes	No	<i>Volume of groundwater removed prior to sampling:</i>	
<i>Free product observed?</i>		Yes	No	<i>Volume of groundwater removed post sampling:</i>	
<i>Total number of samples collected:</i>			<i>Total Volume of groundwater removed:</i>		
<i>Total number of samples submitted to lab for analysis:</i>					

**Photographic Log**


<b>Equipment ID:</b> FL01-C@3'		<b>Equipment Type:</b> Flowline		<b>Equipment ID:</b>		<b>Equipment Type:</b>	
<b>Material:</b> Steel		<b>Volume:</b>		<b>Contents:</b> Oil/Gas/Water		<b>Material:</b>	
<b>Volume:</b>		<b>Contents:</b>		<b>Volume:</b>		<b>Contents:</b>	
<b>Notes/Conditions:</b> Facing South				<b>Notes/Conditions:</b>			

**TABLE 1**  
**SOIL SAMPLE LOCATIONS**  
**NOBLE ENERGY, INC. - SHELTON 18-25XX**

Soil Sample ID	Date	PID (ppm)	Visual	Olfactory	Sample Type (Grab/Lab)	Latitude <sup>1</sup>	Longitude	PDOP
FL01-C@3'	09/08/23	0.2	No Staining	No Odor	Grab	40.286804	-104.614993	0.8

Notes:

PID = Photoionization detector

ppm = parts per million

PDOP = Position dilution of precision

HC = Hydrocarbon

1.) Latitude and longitude coordinates will be provided in decimal degrees with an accuracy and precision of 5 decimals of a degree using the North American Datum ("NAD") of 1983



**Legend**

- - - Flowline Location
- +

Soil Sample Location – Field Screen  
(Collected via Trimble GPS)

**Notes**

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.
- 3) Analytical results below laboratory detection limits or within compliance of ECMC Table 915-1 not shown.
- 4) Concentration in exceedance of ECMC table 915-1 soil standards indicated in **RED**.

GPS – Global Positioning System  
 mg/kg – Milligrams per kilogram  
 ppm – parts per million  
 PID – Photoionization Detector

0 ft.      50 ft.      100 ft.

Image Source: Google Earth; Google 2020

DATE:	10/25/2023
DESIGNED BY:	JW
DRAWN BY:	EH



**TASMAN**  
GEOSCIENCES

Tasman Geosciences, Inc.  
6855 W 119<sup>th</sup> Avenue  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin**  
**Shelton 18-25XX**  
 SENW, Section 25, Township 4 North, Range 65 West  
 Weld County, Colorado

Flowline Closure & Soil  
 Analytical Results Map  
 (09/08/2023)

FIGURE  
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