

## Wellhead Closure Checklist

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

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure
------------------------------------	--	-------------	--	----------------------	--	------------------	--	--------------------------------

Site Name & COGCC Facility Number: <b>Rory 1</b>	Date: <b>11-08-21</b>	Remediation Project #:
---	--------------------------	------------------------

Associated Wells:	Age of Site:	Number of Photos Attached:
-------------------	--------------	----------------------------

Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) <b>40.295302 -104.841124</b>	Estimated Facility Size (acres):
--	----------------------------------

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)  
**site in good condition**

USCS Soil Type: <b>silty SAND</b>	Estimated Depth to Groundwater:
-----------------------------------	---------------------------------

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  
**none observed**

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  
**none observed**

Wellhead(s)						
Well API						
Age						
Condition of surface around wellhead						
PID Readings						
Condition of subsurface (obtaining vapors)						
PID Readings	<b>10.3</b>	<b>1.3</b>	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>	
Sample taken? Location/Sample ID	<b>WH-01</b>	<b>WHS-01-N</b>	<b>WHS-01-E</b>	<b>WHS-01-S</b>	<b>WHS-01-W</b>	
Photo Number(s)						

Other observations regarding wellheads:

### Summary

Was impacted soil identified?  No      Yes - less than 10 cubic yards      Yes - more than 10 cubic yards

Total number of samples field screened: <b>5</b>	Total number of samples collected: <b>2</b>
--	---

Highest PID Reading: <b>10.3</b>	Total number of samples submitted to lab for analysis: <b>2</b>
----------------------------------	---

If more than 10 cubic yards of impacted soil were observed:

Vertical extent:	Estimated spill volume:
------------------	-------------------------

Lateral extent:	Volume of soil removed:
-----------------	-------------------------

Is additional investigation required?

Was groundwater encountered during the investigation?  No      Yes - not impacted or in contact with impacted soils      Yes - groundwater impacted and/or in contact with impacted soils

Measured depth to groundwater:	Was remedial groundwater removal conducted?      Yes      No
--------------------------------	--

Date Groundwater was encountered:	Commencement date of removal:
-----------------------------------	-------------------------------

Sheen on groundwater?      Yes      No	Volume of groundwater removed prior to sampling:
--	--

Free product observed?      Yes      No	Volume of groundwater removed post sampling:
---	--

Total number of samples collected:	Total Volume of groundwater removed:
------------------------------------	--------------------------------------

Total number of samples submitted to lab for analysis:	
--	--

## Flowline Closure Checklist

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

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: <b>Rory 1</b>		Date: <b>11-08-21</b>		Remediation Project #:				
Associated Wells:		Age of Site:		Number of Photos Attached:				

Starting point: (GPS coordinates and descriptions)  
**40.295302 / -104.841124**

End point: (GPS coordinates and descriptions)  
**40.295521 / -104.839108**

USCS Soil Type: **silty SAND** Estimated Depth to Groundwater:

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  
**none observed**

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  
**none observed**

#### Flowlines

Flowline type	Depth	Age	Length	Construction Material	Were flowlines pulled?	Visual Integrity of lines	Visual impacts if trenched	PID Readings if trenched	Sample taken? Location/Sample ID#	Photo Number(s)
								3.6    2.5    2.2    1.6	<b>FLR-01   FL-01   FL-02   FL-03</b>	

Other observations regarding on location flowlines:

#### Summary

Was impacted soil identified? **No** Yes - less than 10 cubic yards Yes - more than 10 cubic yards

Total number of samples field screened: **4** Total number of samples collected: **3**

Highest PID Reading: **3.6** Total number of samples submitted to lab for analysis: **3**

If more than 10 cubic yards of impacted soil were observed:

Vertical extent: Estimated spill volume:

Lateral extent: Volume of soil removed:

Is additional investigation required?

Was groundwater encountered during the investigation? **No** Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils

Measured depth to groundwater: Was remedial groundwater removal conducted? Yes No

Date Groundwater was encountered: Commencement date of removal:

Seen on groundwater? Yes No Volume of groundwater removed prior to sampling:

Free product observed? Yes No Volume of groundwater removed post sampling:

Total number of samples collected: Total Volume of groundwater removed:

Total number of samples submitted to lab for analysis: