

Quality Surveillance Report

1	Order and Contact Information		
	Client		SLIC Report No. 1
	Project Name	36" x 8' S/S 720 Psi Separator package Inspection A 2861535	Purchase Order # N/A

2	Supplier Details		
	Company Name	Cenovus Energy	Representative Jody
	LSD	10-31-063-07W4	Telephone 780-975-8625
	Vendor Reference Number(s)	IH-14936	Email Jody.singer@cenovus.com
	Order Description	36" x 8'0" 720 Psi Vertical 2 PH Separator Package.	

3	Summary				
	Purpose of Visit	Complete visual external and component inspection of separator package prior to purchasing. Gather information and shipping dimensions.			
	Report Type	<input type="checkbox"/> Initial Report	<input type="checkbox"/> Interim Report	<input checked="" type="checkbox"/> Final Report	
	Date(s) of This Visit	Jan 13, 2023	Date of Last Visit	Jan 13, 2023	Next Scheduled Visit N/A
	PO Completion Date	N/A	Scheduled Completion Date	N/A	


4	Surveillance Details				
	Jan 13, 2023, 10-31-063-07W4 Cenovus Location				
1.1.	Limited access to location due to site out of service and access was not plowed and gates plowed up with snow prior to inspection. Gates were locked and a grinder was required to gain access to location, new lock was installed prior to leaving location as per operations request. All piping was disconnected from all lines and appears to be set on piles (skid appears free from piles but snow needs to be cleared to confirm). All electrical was disconnected from junction boxes. Gas leg appears not to be a removable component, cannot confirm due to the amount of snow on the roof of the building (confirm prior to shipping).				
1.2.	Building in good overall condition with all windows intact (except North door window damage) and doors in good working order. Internal liner intact and secured. Building dimensions are: 10'6" W x 17' L x 11'6" to high eave building. Shipping dimensions are: 11'6" W x 19' L x 15' H (minus 17" if gas leg is removable and/or removed). An approximate weight of 20,000LBS to 25,000LBS (to be confirmed). Skid is fabricated out of 8" x 8" square tubing. Appears debris has been plowed under building causing it to sit on an angle.				
1.3.	Complete visual external inspection of A 2861535 (36" x 8'0" 720 Psi) Vertical Separator package. Minor paint deterioration noted through out vessel and piping. PSV on of service date (see picture for PSV details), PSV mounted and secured to gas outlet piping with outlet piping routed off skid. Vessel is bolted and secured to checker plate floor and well aligned. All piping secured and well supported with no short bolting present. Minor paint deterioration documented throughout, gas outlet piping outside of building has paint failure. Ground cables have been cut and disconnected from out of service package. Name plate is legible and secured. No UT survey inspection completed or provided prior to VE, thorough inspection (UT) to be completed prior to being put back into service along with PSV recertification. No access to demister pad at time of inspection, 2" inspection port plug at top of vessel to be removed to verify demister pad condition.				
1.4.	3" 300# flanged valve seized and couldn't operate at time of inspection. All other valves operated. Both TI and PI appear in good working condition. Level glass is dirty with no visibility through glass. L/G gauge valves seized and not operational (needs to be replaced).				
1.5.	Inlet ESDV is an 8" 300# Vee ball type with Bettis 80 Psi actuator (Model# CB725-SR80-11) controlled by electric 24 DC solenoid, recommend reconditioning or replace to ensure proper function if required.				
1.6.	Gas out BPCV is a 4" 300/600# Fisher V-200 1051 with size 40 actuator FC (PDTO Action) controlled by electric solenoid and Fisher Wizard 4195B, recommend reconditioning or replace to ensure proper function if required.				

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A

1.7.	Liquid outlet control valve is a 1" NPT Fisher (obsolete) control valve controlled by liquid level controller mounted in vessel, recommend reconditioning or replace to ensure proper function if required. Liquid level controller is a Fisher 2680 (out of date) and sealed shut with silicone, new LC to be installed.
1.8.	Pressure limiting valve mounted on BPCV (Model # 200A0-00).
1.9.	1" F/G purge line disconnected (appears for cleaning L/O lines prior to shut-in), re-connect line if required.
1.10.	BDV is a 1" NPT Fisher 128 with ½" trim mounted off gas outlet piping controlled by 24 DC solenoid, recommend reconditioning or replace to ensure proper function if required.
1.11.	(3) 24" x 24" Nat Gas 115 V heater mounted in building. Heater appears in good working condition but will need to be confirmed.
1.12.	Building electrical conduit intact and secured. (2) lights wired, (1) ¼ HP (Data plate hard to read) exhaust fan wired and heater wiring complete.
1.13.	Vessel connections: Inlet/Outlet 8" 300#, L/O 2" 300#, Drain 1" NPT and all other connections threaded.
1.14.	***No Meter Run installed in package***.
1.15.	In conclusion, the separator package is overall in good visual condition with minor repairs required (visually) and appears completely disconnected and ready to load. Minor repairs and recertification required prior to being put back into service. Recommend ensuring complete access and location snow cleared to package prior to loading.

5	Applicable Specifications and Documents			
File #	Document #	Document Title	Rev. No.	Approval

6	Reporting and Report Review Status		
	Name	Signature	Date
Prepared By	Skye Bowman		Jan 14, 2023
Certifications	API-510# 99403	ISI-PVPP# 001346	TSask# 83435

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A

7	Photographs
 <p>Location access.</p>	 <p>North side building overview.</p>
 <p>South side building overview.</p>	 <p>All connections disconnected.</p>

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



Electrical disconnected.



North side disconnected.



Skid appears set on piles.



East side overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



Vessel Data plate



Vessel external overview.



Vessel external overview.



Vessel external overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



Vessel external overview.



Vessel external overview (bolted and secure).



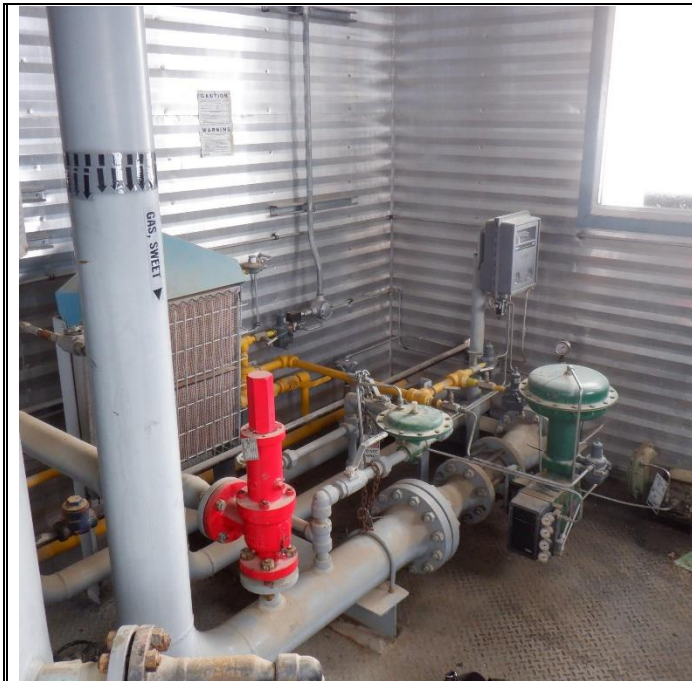
Vessel external overview.



PSV overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



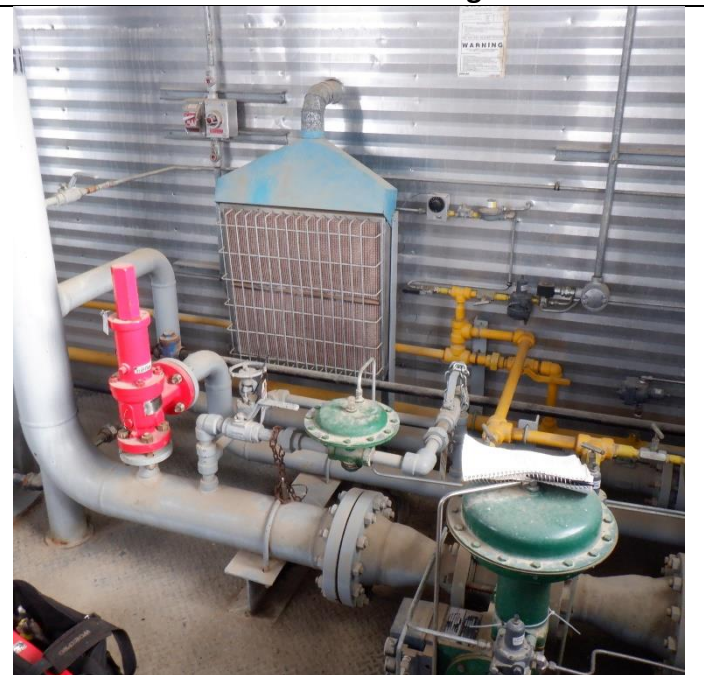
PSV overview.



PSV last serviced tag.



BDV and BPCV overview.



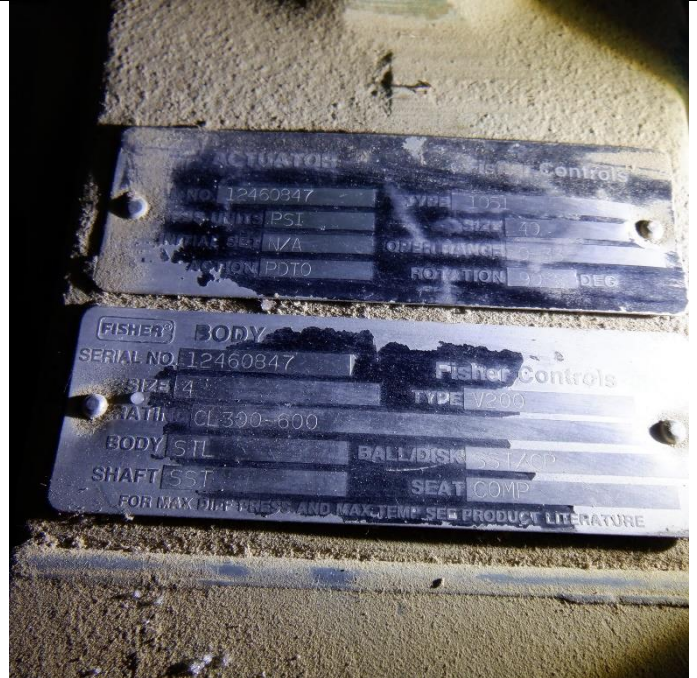
BDV and BPCV overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



BPCV Fisher Wizard 4195B



Fisher V-200 and actuator tags.



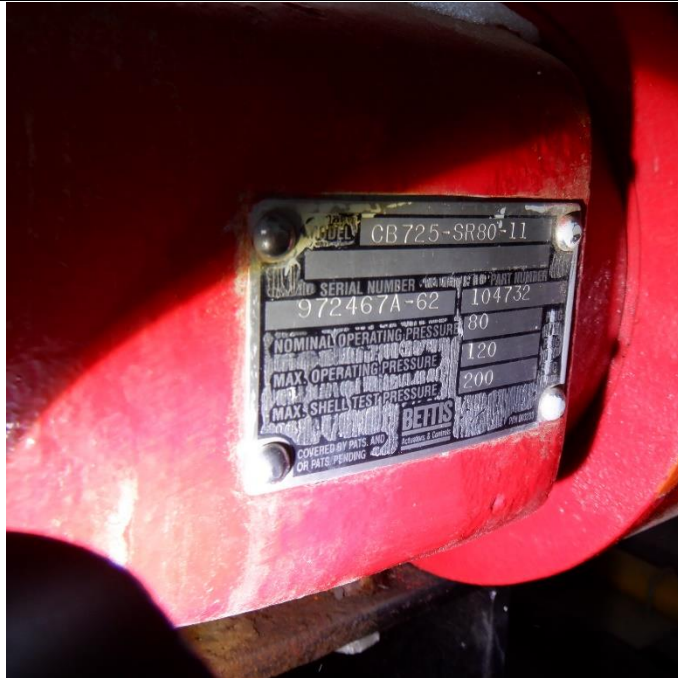
BPCV Fisher Wizard 4195B



Inlet ESDV.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



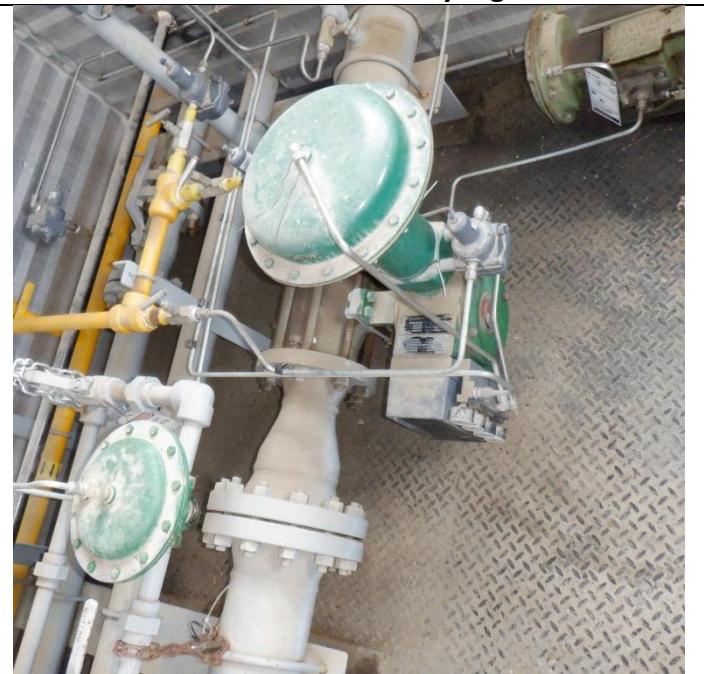
Inlet ESDV actuator.



Inlet ESD valve body tag.



Inlet ESDV Solenoid overview.



BPCV overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



Pressure limiting valve overview.



Pressure limiting valve overview.



L/O overview



BDV overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



L/G overview (Gauge valves seized).



Transparent L/G dirty and stained.



24" x 24" heater overview (typical for all 3).



Heater date plate.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



L/O level controller sealed shut.



Electric HLSD (Norriseal 1001).



PI overview (gauge oil drained out).



TI overview.

Quality Surveillance Report

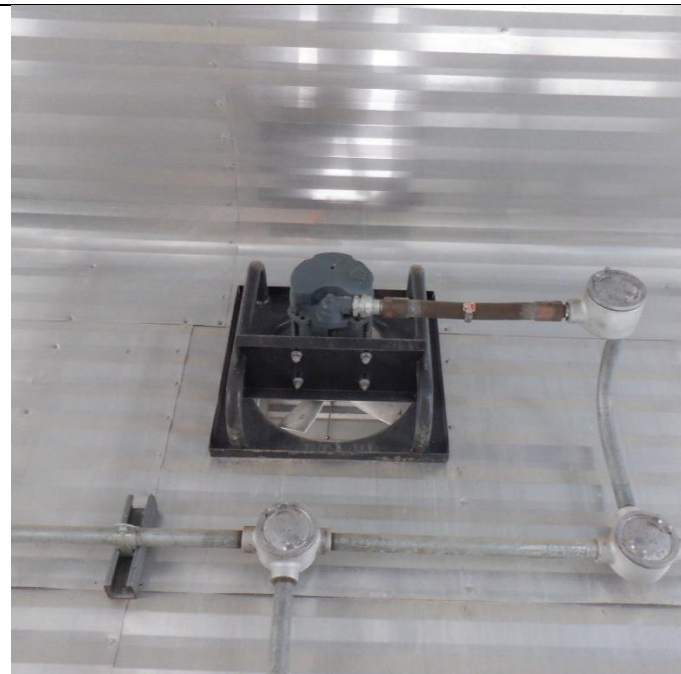
Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



Texsteam 5100 chemical pump.



Bottom head of vessel (paint deterioration).



Exhaust fan overview.



Inside building overview.

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A



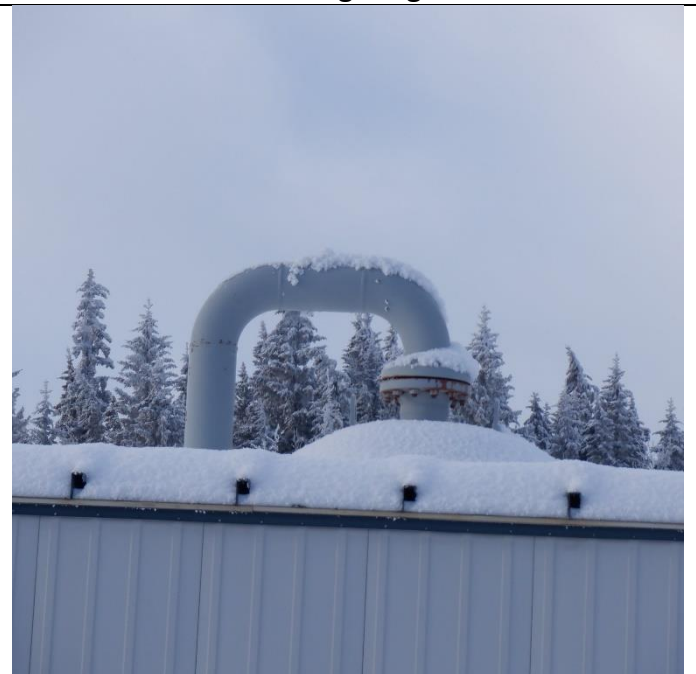
Inside building overview.



Electrical and lighting overview.



West side overview.



Top of vessel overview (no break flange visible).

Quality Surveillance Report

Client:	Report #: 1
Project Name: 36" x 8' S/S 720 Psi Separator package Inspection	PO #: N/A

8	Recommendations
1.1.	Request all current NDE and inspection reports and complete UT survey on vessel and piping prior to purchasing.
1.2.	Repair or install new control valves and controllers. Test manual valves prior to being put into service.
1.3.	Recertify PSV's
1.4.	Complete external paint touch-ups to prevent future corrosion.
1.5.	Replace level glass and gauge valves and install isolation valve between vessel and gauge valves.
1.6.	Some tubing may need to be repaired.