



# VESSEL INSPECTION SUMMARY

Report #: **CA0313-VIS-26**  
 Inspect Date: 14-Apr-16  
 Page: 1 of 6  
 IRISNDT #: 172916

Client: Chevron District: Fox Creek Field: N/A  
 Facility: N/A Unit / Skid #: N/A LSD: 1-31-62-20W5M  
 Jurisdiction #: A#0660452 Equip Tag #: 1131-V-100 Serial #: 533368  
 CRN #: V9590.213 Nat'l Bd #: N/A Year Built: 2015  
 Manufacturer: Bromley Equipment Description: Vertical Separator  
 Status: In Service - Date Removed From Service: N/A Service: Sweet  
 MAWP Shell: 1426 Psi @ 140 °F Height/Length: 120 in. Code Stamp:  Y  N  
 MAWP Tube: @ Size/Diameter.: 36 in. O.D. Insulated:  Y  N  
 MDMT: -20 °F RT: RT-1 Volume: \_\_\_\_\_ PWHT:  Y  N  
 Support Type: Skirt Manway:  Y  N  
 C.A.: 0.1250 in. Coated:  Y  N Clad:  Y  N J.E.: \_\_\_\_\_ Remote Access:  - \_\_\_\_\_

Component	Material	Nominal Thk	Diameter	OD/ID	Tube Side	Shell Side
Top - Head	SA-516-70N	1.500 in.	36.000 in.	OD	<input type="checkbox"/>	<input type="checkbox"/>
Bottom - Head	SA-516-70N	1.500 in.	36.000 in.	OD	<input type="checkbox"/>	<input type="checkbox"/>
- Shell	SA-516-70N	1.500 in.	36.000 in.	OD	<input type="checkbox"/>	<input type="checkbox"/>
-					<input type="checkbox"/>	<input type="checkbox"/>
-					<input type="checkbox"/>	<input type="checkbox"/>

Comments:

### PSV Static Data

PSV -1 Tag #: 1131-PSV-100 Serial #: 853386-1-A15/G CRN: OG8442.5CL  
 Model #: 26FB13L-120/N4 Capacity: 1170L/Min Set Pressure: 7800 kPa  
 Manufacturer: Farris Service Company: Rocky Mountain Valve  
 Inlet Size & Type: 1.50 in. - Flanged Last Service Date: 12/15  
 Outlet Size & Type: 2.00 in. - Flanged Block Valve: - -  
 Carseal Intact: Yes Code Stamp: Yes  
 Shell Side / Tube Side: Shell Side Location of PSV: Piping

PSV -2 Tag #: \_\_\_\_\_ Serial #: \_\_\_\_\_ CRN: \_\_\_\_\_  
 Model #: \_\_\_\_\_ Capacity: \_\_\_\_\_ Set Pressure: \_\_\_\_\_  
 Manufacturer: \_\_\_\_\_ Service Company: \_\_\_\_\_  
 Inlet Size & Type: \_\_\_\_\_ Last Service Date: \_\_\_\_\_  
 Outlet Size & Type: \_\_\_\_\_ Block Valve: \_\_\_\_\_  
 Carseal Intact: \_\_\_\_\_ Code Stamp: \_\_\_\_\_  
 Shell Side / Tube Side: \_\_\_\_\_ Location of PSV: \_\_\_\_\_

### PSV Comments

PSV installed. No issues.  
 Manufactured 12/15  
 Serviced 03/16  
 Valve ID 17737F

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### External Inspection Results - VE External Inspection Performed

Item	Y	N	N/A	Condition	Comment	NCR	Action Item	Priority
Nameplate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept		<input type="checkbox"/>	<input type="checkbox"/>	
Foundation and Supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Welded	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Grounding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	With Skid	<input type="checkbox"/>	<input type="checkbox"/>	
Insulation Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
PSV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Calibrated	<input type="checkbox"/>	<input type="checkbox"/>	
Shell & Heads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept		<input type="checkbox"/>	<input type="checkbox"/>	
Metal Surfaces (Paint)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	As new	<input type="checkbox"/>	<input type="checkbox"/>	
Aux Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Attached and secured	<input type="checkbox"/>	<input type="checkbox"/>	
Cathodic Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Alignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept		<input type="checkbox"/>	<input type="checkbox"/>	
Flange Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Gaskets in place	<input type="checkbox"/>	<input type="checkbox"/>	
Pressure Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept		<input type="checkbox"/>	<input type="checkbox"/>	
Piping from Vessel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Hardware secured	<input type="checkbox"/>	<input type="checkbox"/>	
Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept		<input type="checkbox"/>	<input type="checkbox"/>	
Sight Glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accept	Upper and lower	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Current UT Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			UT Company: Iris NDT		
Previous UT Survey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			UT Company:		

**LEGEND:**

- |   |   |
|---|---|
| Priority 0 - General Recommendations                      | Priority 3 - Goal date is 1 Year from the activity date.  |
| Priority 1 - Goal date is 30 days from the activity date  | Priority 4 - Goal date is 5 Years from the activity date. |
| Priority 2 - Goal date is 90 days from the activity date. |   |

**External Visual Observations**

**Manual Review Required By Customer Representative -**

Vessel is secured and in as-new condition.

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**Internal Inspection Results – VI N/A (Not Applicable)**

Item	Y	N	N/A	Condition	Comment	NCR	Action Item	Priority
Shell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Heads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Manway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Gasket Surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Refractory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Heating Coils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Demister Pad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Vane Pack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Baffles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Trays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Internal Coating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Tubesheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Tube Bundle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

**LEGEND:**

- Priority 0 - General Recommendations.
- Priority 1 - Goal date is 30 days from the activity date.
- Priority 2 - Goal date is 90 days from the activity date.
- Priority 3 - Goal date is 1 Year from the activity date.
- Priority 4 - Goal date is 5 Years from the activity date.

**Internal Visual Observations**

**Manual Review Required By Customer Representative -**

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Attached to Vessel Inspection Report # \_\_\_\_\_

Additional Attachments # of pages \_\_\_\_\_ Specify \_\_\_\_\_

**NDE**

Performed: UT  MT  PT  ET  RT  OTHER  \_\_\_\_\_

NDE Report #: \_\_\_\_\_

Items Raised: NCR \_\_\_\_\_ Operational Action Item \_\_\_\_\_ Repair Action Item \_\_\_\_\_ Deferred Action Item \_\_\_\_\_

**Action Items / Recommendations:**

Installation inspection complete.  
Vessel is in as-new condition.

**Actions Corrected at Time of Inspection:** (If actions were corrected at the time of Inspection – note the corrected actions here.)

Meets Code Criteria: -

Re-Inspection Required -

**Recommended Inspection Intervals:**

VE Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection: - 0000
VI Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection: - 0000
UT Inspect.	Last Inspection:	-	Interval (yrs)		Next Inspection: - 0000
PSV Service	Last Inspection:	-	Interval (yrs)		Next Inspection: - 0000

Unit #: _____ In: <u>00:00</u> Out: <u>00:00</u> Hrs: _____ In: <u>00:00</u> Out: <u>00:00</u> Hrs: _____ Personnel <u>Dennis Durnford</u> P.O.# / W.O.#/AFE #: <u>AFE</u> <u>RWFSG-E1535-240</u>	Consumables _____ _____ _____	Inspector <u>Dennis Durnford</u> PESL: <u>602</u> (Print) <u><i>DD</i></u> (Sign) API: <u>510-37241</u> Client Representative I am in full agreement with report contents: } (Sign)
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Equipment Photographs:



01 - Vessel overview



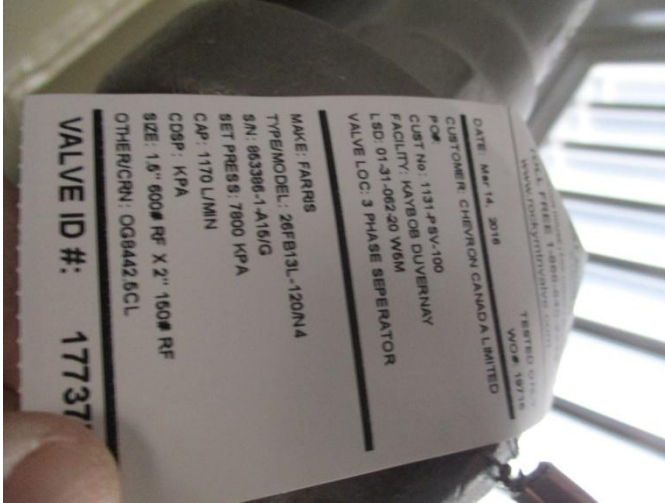
02 - Nameplate



03 - PSV



04 - PSV tag



05 - PSV service tag



06 - Temperature gauge



07 - Pressure gauge



08 - Sight glasses