

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 11-29-046-04W4 **Date:** 2017-02-03 **SAP Equipment ID** 66194539

VESSEL STATIC DATA											
Plant: Wildmere						OP Unit:				System:	
Prov. Insp . #:		0528730		NB#:		CRN: R9332.231				Equip Tag#: 66194539	
Equipment Description: GAS SEPARATOR						Serial #:				PV-811	
Manufacturer: CORLAC						Vessel Class:				vessel	
Internal Access:		No		Description:				Year Built: 2005			
MAWP:		4964 kpa		At Temp 38 C				MDMT: -29 C			
Code: U				RT: RT2				PWHT: No			
Diameter: 406 mm		Length: 1524 mm		(T/T): mm		OAL: mm		Orientation: Vertical			
SHELL		Mat'l: Unknown SA 106B		Thickness:		9.53 mm		Corr Allowance: 0-00 1.6 mm			
HEAD		Mat'l: Unknown SA 234 WPB		Thickness:		8.33 mm		Corr Allowance: 0-00 1.6 mm			
Nozzle		Mat'l:		Thickness:				Corr Allowance:			
Internal Coating:		No		Internal Clad:		No		Capacity: m3			
Manway:		No		Inspection Port:		Yes		Skirt X		Legs Saddle	
Nozzle Rating:		1b ANSI		Painted:		Yes		Insulated: No			

PROCESS DATA									
Production Description:				Sweet Yes Sour:					
Operating Pressure kpa				Operating Temp: C			Status: Operating		

PSV STATIC DATA 62064165										
Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
	005058-13 3	Shell	25.40	25.40	2034	1063	TAYLOR	T-8200-1	2010/09/01	
238548	006058-13 3	Piping	25.40	25.40	1965	1063	TAYLOR	T-8200-1	2015/08/13	POWELL

PSV DETAILS									
	Type(Thread/Flange)		ANSI Rating		Size(In/mm)				
PRD Inlet	Threaded		N/A		25.40				
PRD Outlet	Threaded		N/A		25.40				

NDE Equipment Records					
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date
**** See Associated NDE Report					

INSPECTION SUMMARY

VESSEL FIT FOR SERVICE.

RECOMMENDATIONS

NONCONFORMANCES/INSPECTION DEFICIENCIES



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INSPECTION PLANNING

Inspection Strategy		Availability		Inspection Interval	5 year
Inspection Date	2017/02/03	Date of Last Inspect		Date of Next Insp	2022/02/03

REPORT CERTIFICATION

The SignatureS below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	Jamey Tanasichuk		AB Cert #	000411	SK PEI #	089	Date	2017/02/03
Reviewed and Approved by							Date	
Criticality Assessment Rerun			Inspection Planning Rerun					
Assessed Next Inspection Date	2022							

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept			NO ISSUES
V2	General Corrosion	Accept			NO VISIBLE CORROSION.
V3	General Leaks	Accept			NO LEAKS PRESENT
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	Accept			HEADS GOOD CONDITION.
V8	Guy Wires	N/A			
V9	Electrical Ground	Accept			GROUNDING
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			PAINT IN GOOD CONDITION
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			GOOD WORKING CONDITION.
V14	Shell	Accept			SHELL GOOD CONDITION.
V15	Jacket	N/A			
V21	Support Other (Please explain)	N/A			
V22	Foundation	Accept			METAL. GOOD CONDITION.
V23	Anchor Bolts	N/A			
V24	Saddle/Skirt	Accept			SKIRT GOOD CONDITION.
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Accept			THREADED PIPING CONNECTIONS GOOD CONDITION.
V32	Small Branches	Accept			TUBING GOOD CONDITIN.
V33	Nozzles	Accept			NOZZLES GOOD CONDITION.
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	N/A			
V38	Flanges	N/A			
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	N/A			
V42	Damage	N/A			
V43	Penetrations	N/A			
V44	Insulation Jacket	N/A			
V45	Banding	N/A			
V46	Seals/Joints	N/A			
V51	Relief Devices Other (Please explain)	Accept			PSV SERVICED 08/2015. SEAL INTACT
V52	Corrosion	Accept			NO CORROSION.
V53	Leaks	Accept			NO LEAKS
V54	Restricted Inlet/Outlet	Accept			NO RESTRICTIONS

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V55	Manual Operation Lever	N/A			
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DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness (mm)	CURRENT READINGS (mm)	short term corr rate (mm/y)	long term corr rate (mm/y)	remaining life (year)	Survey Date	Comments
05 (HEAD)	8.33	9.50	0.0321	0.0321	44.8	2017/02/03	NO COMMENTS
(HEAD)	8.33	9.65	0.0321	0.0321		2012/05/25	
10 (SHELL)	9.53	9.53	0.0909	0.0909	14.3	2017/02/03	NO COMMENTS
(SHELL)	9.53	9.96	0.0909	0.0909		2012/05/25	
15 (SHELL)	9.53	10.29	0.1390	0.1390	14.8	2017/02/03	NO COMMENTS
(SHELL)	9.53	10.95	0.1390	0.1390		2012/05/25	
20 (SHELL)	9.53	9.47	0.0749	0.0749	16.7	2017/02/03	NO COMMENTS within C/A
(SHELL)	9.53	9.83	0.0749	0.0749		2012/05/25	
25 (HEAD)	8.33	9.45	0.0428	0.0428	32.4	2017/02/03	NO COMMENTS
(HEAD)	8.33	9.65	0.0428	0.0428		2012/05/25	
30 (90L 2 160)	8.74	9.09	0.0374	0.0374	213.9	2017/02/03	NO COMMENTS
(90L 2 160)	8.74	9.27	0.0374	0.0374		2012/05/25	

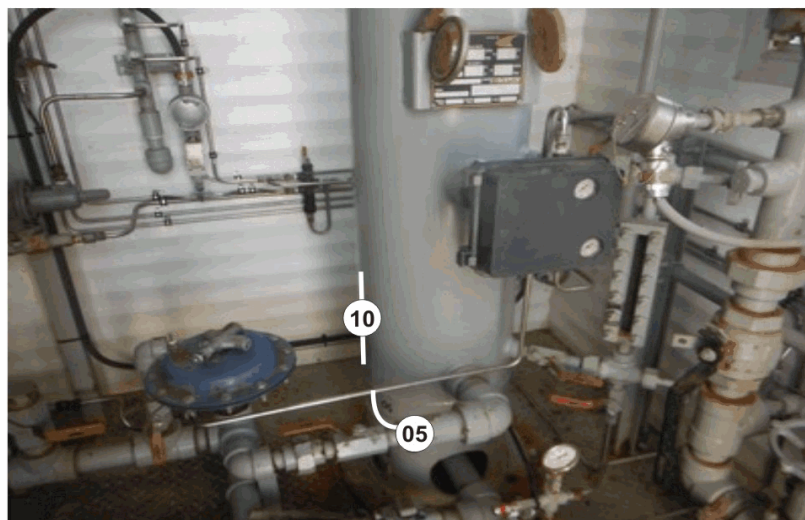
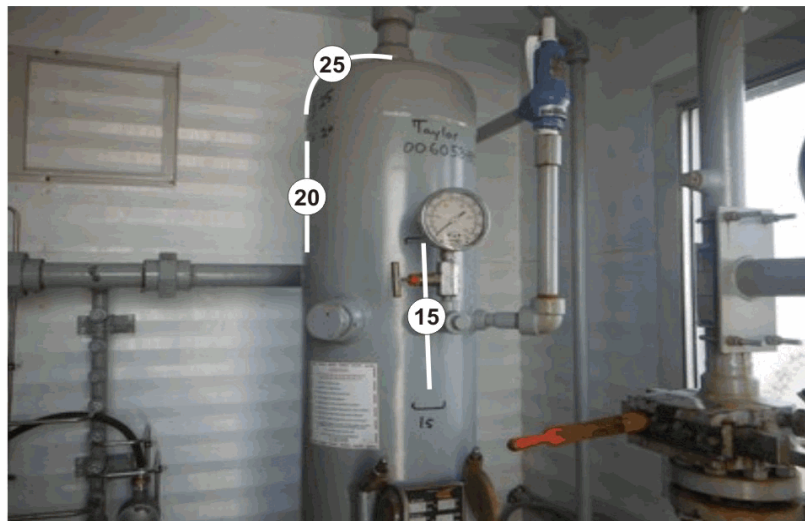
Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Jamey Tanasichuk		SNT LV 2	11444	02/03/2017	109_81583903_EPOCH 4	06/27/2017	WQS UT-001



Client:
HUSKY ENERGY

EXAMINATION ILLUSTRATION

DISTRICT:	ALBERTA SOUTH	FACILITY:	WILDMERE	LOCATION/LSD:	11-29-046-04W4
EQUIP NAME:	GAS SEPARATOR			PROV REG No.:	0528730
SERIAL No.:	PV-811	Equip No.:	66194539	National Board No.:	



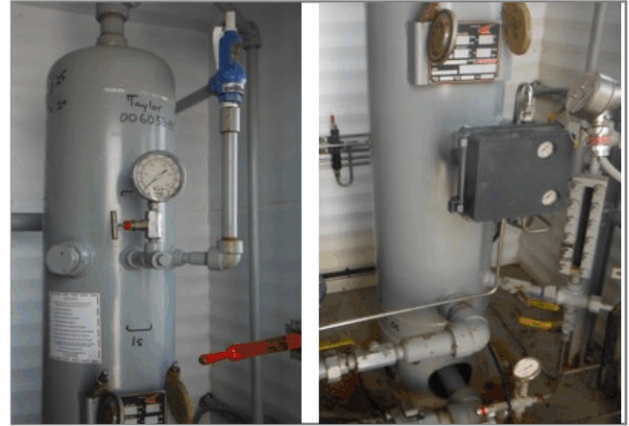
NOTES:

PHOTOGRAPHS

EQUIP NAME:	GAS SEPARATOR			PROV REG No.:	0528730
SERIAL No.:	PV-811	Equip No.:	66194539	National Board No.:	



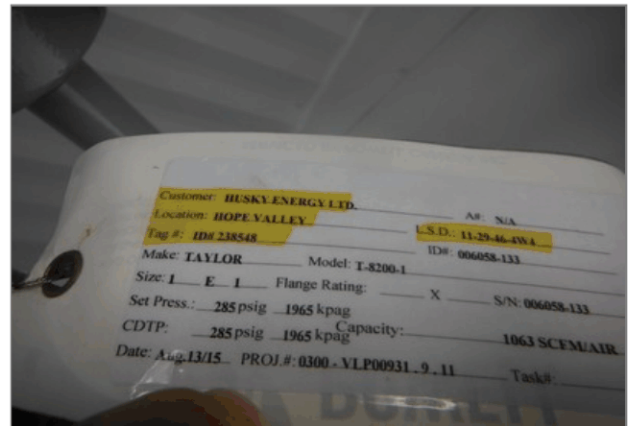
NAMEPLATE



OVERALL



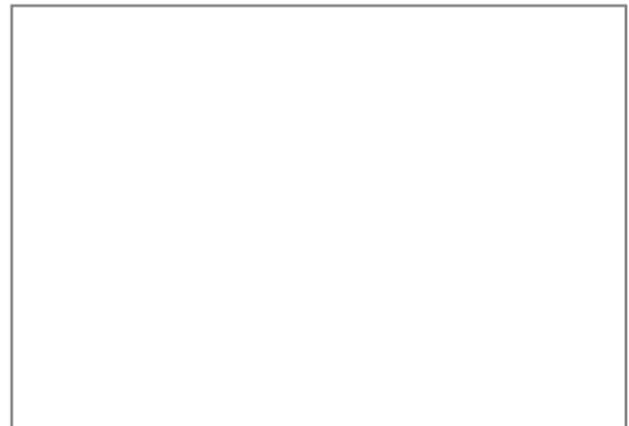
PSV



PSV TAG



PSV TAG



NOTES: