

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 10-33-049-19W5 **Date:** 2014-01-15 **SAP Equipment ID** 66181957

VESSEL STATIC DATA										
Plant: MINEHEAD				OP Unit: FH01				System:		
Prov. Insp . #: 0611098				CRN: P7217.231				Equip Tag#: 66181957		
Equipment Description: 3 PHASE SEPARATOR								Serial #: 12198		
Manufacturer: RJV Gas Field Services								Vessel Class: vessel		
Internal Access: No				Description:				Year Built: 2011		
MAWP: 10204 kpa				At Temp 38 C				MDMT: C		
Code:				RT: RT2				PWHT: No		
Diameter: 406 mm		Length: 2286 mm		(T/T): mm		OAL: mm		Orientation: Vertical		
SHELL		Mat'l: SA-106 B		Thickness: 1 mm		Corr Allowance: 2 mm				
HEAD		Mat'l: SA-516 70		Thickness: 1 mm		Corr Allowance: 2 mm				
Nozzle		Mat'l:		Thickness:		Corr Allowance:				
Internal Coating: No				Internal Clad: No				Capacity: m3		
Manway: No				Inspection Port: No				Skirt X Legs Saddle		
Nozzle Rating: 600 lb ANSI				Painted: No				Insulated: No		
PROCESS DATA										
Production Description:				Sweet Yes Sour:						
Operating Pressure kpa				Operating Temp: C						
PSV STATIC DATA										
Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
1033-1	012384-124	Shell	25.40	25.40	9929	5180	TAYLOR	T-8200-1	2012/03/05	
PSV DETAILS										
		Type(Thread/Flange)	ANSI Rating			Size(In/mm)				
PRD Inlet						25.40				
PRD Outlet						25.40				
NDE Equipment Records										
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date					
**** See Associated NDE Report										

INSPECTION SUMMARY

VESSEL IS FIT FOR SERVICE.

RECOMMENDATIONS

VESSEL IS FIT FOR SERVICE.

NONCONFORMANCES/INSPECTION DEFICIENCIES



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INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/01/15	Date of Last Inspect	_____	Date of Next Insp	2018/01/15

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		Cert #	000411	Date	2014/01/15
Reviewed and Approved by	_____	_____			Date	_____
Criticality Assessment Rerun	_____	Inspection Planning Rerun				
Assessed Next Inspection Date	_____					_____

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept		No	GOOD OVERALL EXTERNAL CONDITION. NO DAMAGE OR EXTERNAL CORROSION. PAINT IN GOOD CONDITION.
V2	General Corrosion	Accept		No	NO EXTERNAL CORROSION NOTED.
V3	General Leaks	Accept		No	NO VISIBLE LEAKAGES NOTED.
V4	Vibration	N/A		No	
V5	Dissimilar Flange Rating	N/A		No	
V6	Ladder/Stairway	N/A		No	
V7	Heads	Accept		No	GOOD CONDITION.
V8	Guy Wires	N/A		No	
V9	Electrical Ground	N/A		No	
V10	Painted Inactive Corrosion	N/A		No	
V11	Coating/Painting	Accept		No	PAINT IN GOOD CONDITION. NO PAINT PEELING.
V12	Expansion Joint or Bellows	N/A		No	
V13	Gauge/Site Glass	Accept		No	GAUGES ARE VISIBLE AND IN GOOD WORKING CONDITION. NO LEAKAGES OR CONTAMINATION NOTED.
V14	Shell	Accept		No	GOOD CONDITION.
V15	Jacket	N/A		No	
V21	Support Other (Please explain)	N/A		No	
V22	Foundation	N/A		No	
V23	Anchor Bolts	N/A		No	VESSEL IS WELDED TO FLOOR.
V24	Saddle/Skirt	Accept		No	SKIRT IN GOOD CONDITION. NO EXTERNAL CORROSION. PAINT IN GOOD CONDITION.
V25	Davit	N/A		No	
V26	Fireproofing	N/A		No	
V31	Connections Other (Please explain)	N/A		No	
V32	Small Branches	Accept		No	NO VISIBLE LEAKAGES. THREADING FULLY ENGAGED. NO WEEPS.
V33	Nozzles	Accept		No	NO VISIBLE LEAKAGES NOTED.
V34	Manways	N/A		No	
V35	Reinforcing Pads	N/A		No	
V36	Inadequate Thread Engagement	N/A		No	
V37	Bolting	Accept		No	NO SHORT BOLTING.
V38	Flanges	Accept		No	GOOD CONDITION. NO SIGNS OF LEAKAGES OR SHORT BOLTING.
V39	Leak Clamps	N/A		No	
V41	Insulation Other (Please explain)	N/A		No	
V42	Damage	N/A		No	
V43	Penetrations	N/A		No	
V44	Insulation Jacket	N/A		No	
V45	Banding	N/A		No	
V46	Seals/Joints	Accept		No	NO VISIBLE LEAKAGES NOTED.
V51	Relief Devices Other (Please explain)	N/A		No	
V52	Corrosion	Accept		No	NO EXTERNAL CORROSION.
V53	Leaks	Accept		No	NO VISIBLE LEAKAGES NOTED.

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V54	Restricted Inlet/Outlet	N/A		No	
V55	Manual Operation Lever	N/A		No	

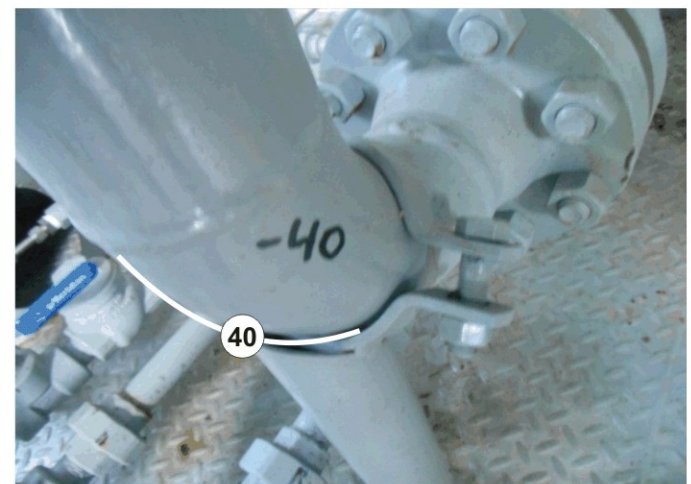
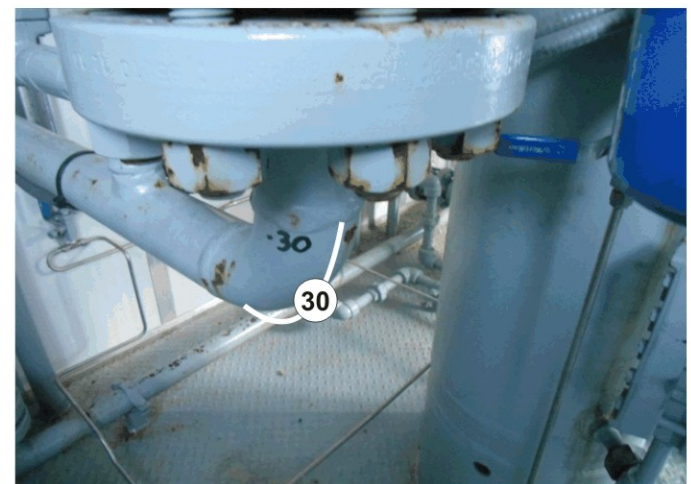
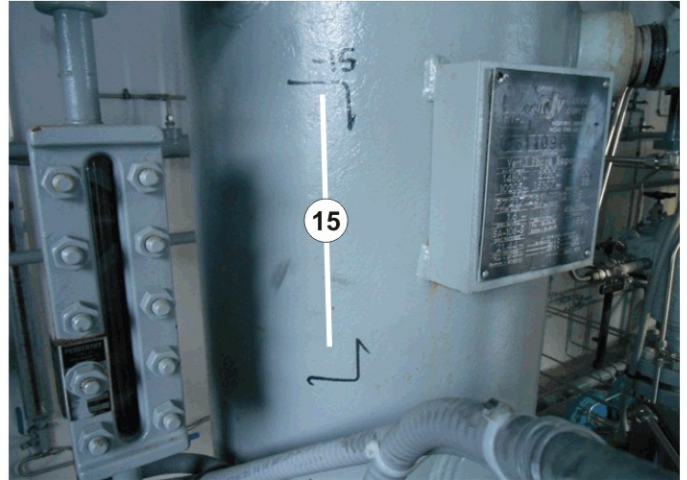
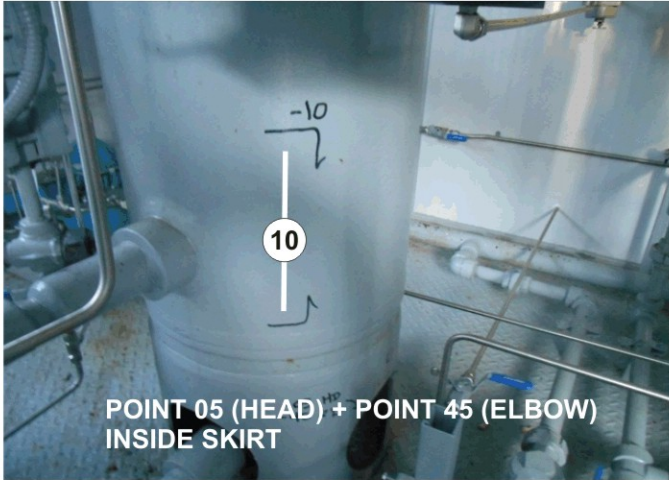
DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

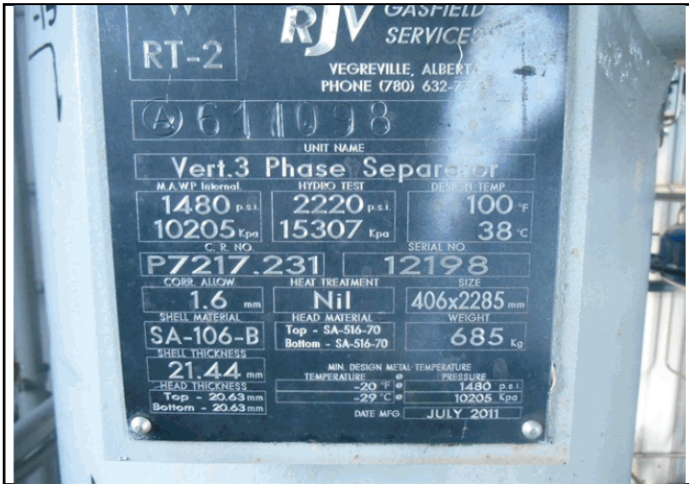
DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness	CURRENT READINGS	short term corr rate	long term corr rate	remaining life	Survey Date	Comments
05 (HEAD)	20.62	21.31	0.0040	0.0040	71.0	2014/01/15	
(HEAD)	20.62	21.41				2013/01/30	
10 (SHELL)	21.44	21.54	0.0000	0.0000	198.0	2014/01/15	
(SHELL)	21.44	21.49				2013/01/30	
15 (SHELL)	21.44	21.82	0.0000	0.0000	198.0	2014/01/15	
(SHELL)	21.44	21.67				2013/01/30	
20 (SHELL)	21.44	21.36	0.0000	0.0000	198.0	2014/01/15	
(SHELL)	21.44	21.29				2013/01/30	
25 (HEAD)	20.62	21.29	0.0000	0.0000	198.0	2014/01/15	
(HEAD)	20.62	21.08				2013/01/30	
30 (90L 2 160)	8.74	7.95	0.0000	0.0000	198.0	2014/01/15	
(90L 2 160)	8.74	7.90				2013/01/30	
35 (90L 3 40)	5.49	5.41	0.0050	0.0050	16.7	2014/01/15	
(90L 3 40)	5.49	5.54				2013/01/30	
40 (90L 3 XS)	7.62	6.53	0.0120	0.0120	10.6	2014/01/15	
(90L 3 XS)	7.62	6.83				2013/01/30	
45 (90L 2 160)	8.74	7.39	0.0230	0.0230	8.8	2014/01/15	
(90L 2 160)	8.74	7.98				2013/01/30	

Inspected By	Signature	CGSB Level	CGSB	Survey Date	UT Equip	Due Date OF Calibration
Jamey Tanasichuk		1	11444	01/15/2014	109_81583903_EPOCH 4	06/17/2014



OWNER: HUSKY	SERIAL # 12198	NOTES
EQUIPMENT NAME: SEPARATOR	NB#	
REGISTRATION # 0611098	OWNER ID	
EQUIPMENT # 66181957		



NAMEPLATE



OVERALL



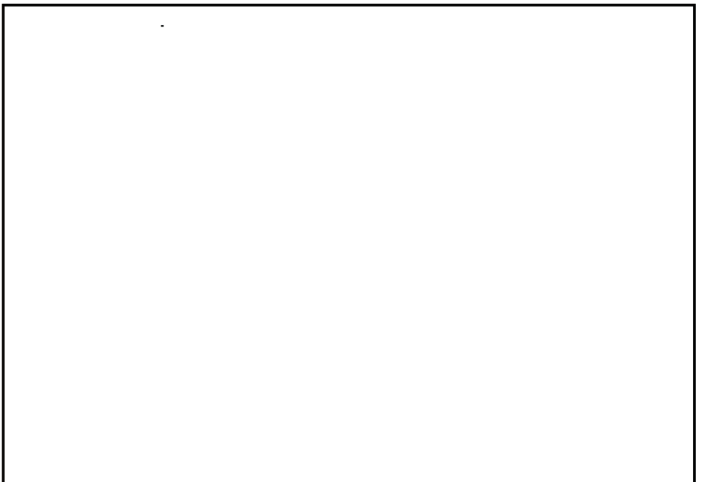
OVERALL



PSV



PSV TAG



OWNER: HUSKY		SERIAL # 12198	NOTES
EQUIPMENT NAME: SEPARATOR		NB#	
REGISTRATION # 0611098		OWNER ID	
EQUIPMENT # 66181957		ONCOR ID	