

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-14-050-19W5 **Date:** 2014-03-25 **SAP Equipment ID** 66195892

VESSEL STATIC DATA										
Plant: MINEHEAD			OP Unit:			System:				
Prov. Insp . #:			CRN: F6388.231			Equip Tag#: 66195892				
Equipment Description: FUEL GAS SCRUBBER						Serial #: 12747				
Manufacturer: RJV Gas Field Services						Vessel Class: vessel				
Internal Access: No			Description:			Year Built: 2012				
MAWP: 1034 kpa			At Temp 38 C			MDMT: -29 C				
Code:			RT: None			PWHT: No				
Diameter: 219 mm		Length: 762 mm		(T/T): mm		OAL: mm		Orientation: Vertical		
SHELL		Mat'l: SA-106 B		Thickness: 8.08 mm		Corr Allowance: 3.18 mm				
HEAD		Mat'l: SA-234 WPB		Thickness: 7.14 mm		Corr Allowance: 3.18 mm				
Nozzle		Mat'l:		Thickness:		Corr Allowance:				
Internal Coating:				Internal Clad: No		Capacity: m3				
Manway: No				Inspection Port: No		Skirt X		Legs Saddle		
Nozzle Rating: lb ANSI				Painted: Yes		Insulated: No				
PROCESS DATA										
Production Description:				Sweet 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						
	021192-210	Piping	25.40	25.40	1034	582	TAYLOR	82E4351311	2013/03/14	WIZARD.
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

UT SURVEY PERFORMED - NO NOTABLE CORROSION

RECOMMENDATIONS

VESSEL IS FIT FOR SERVICE.

NONCONFORMANCES/INSPECTION DEFICIENCIES



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INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/03/25	Date of Last Inspect	_____	Date of Next Insp	2019/03/25

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	Duncan Kendrick		Cert #	_____	Date	2014/03/25
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			NEW CONDITION.
V2	General Corrosion	Accept			NO CORROSION.
V3	General Leaks	Accept			NO LEAKS.
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	Accept			GOOD CONDITION.
V8	Guy Wires	N/A			
V9	Electrical Ground	Accept			GOOD CONDITION.
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			GOOD CONDITION.
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			GOOD CONDITION.
V14	Shell	Accept			GOOD CONDITION.
V15	Jacket	N/A			
V21	Support Other (Please explain)	Accept			WELDED SECURE.
V22	Foundation	Accept			GOOD CONDITION.
V23	Anchor Bolts	N/A			
V24	Saddle/Skirt	Accept			GOOD CONDITION.
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	N/A			
V32	Small Branches	N/A			
V33	Nozzles	Accept			GOOD CONDITION.THREADED.
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			GOOD CONDITION.SERVICE SEAL INTACT.LAST SERVICED 2013.
V52	Corrosion	Accept			NO CORROSION.
V53	Leaks	Accept			NO LEAKS.
V54	Restricted Inlet/Outlet	N/A			



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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

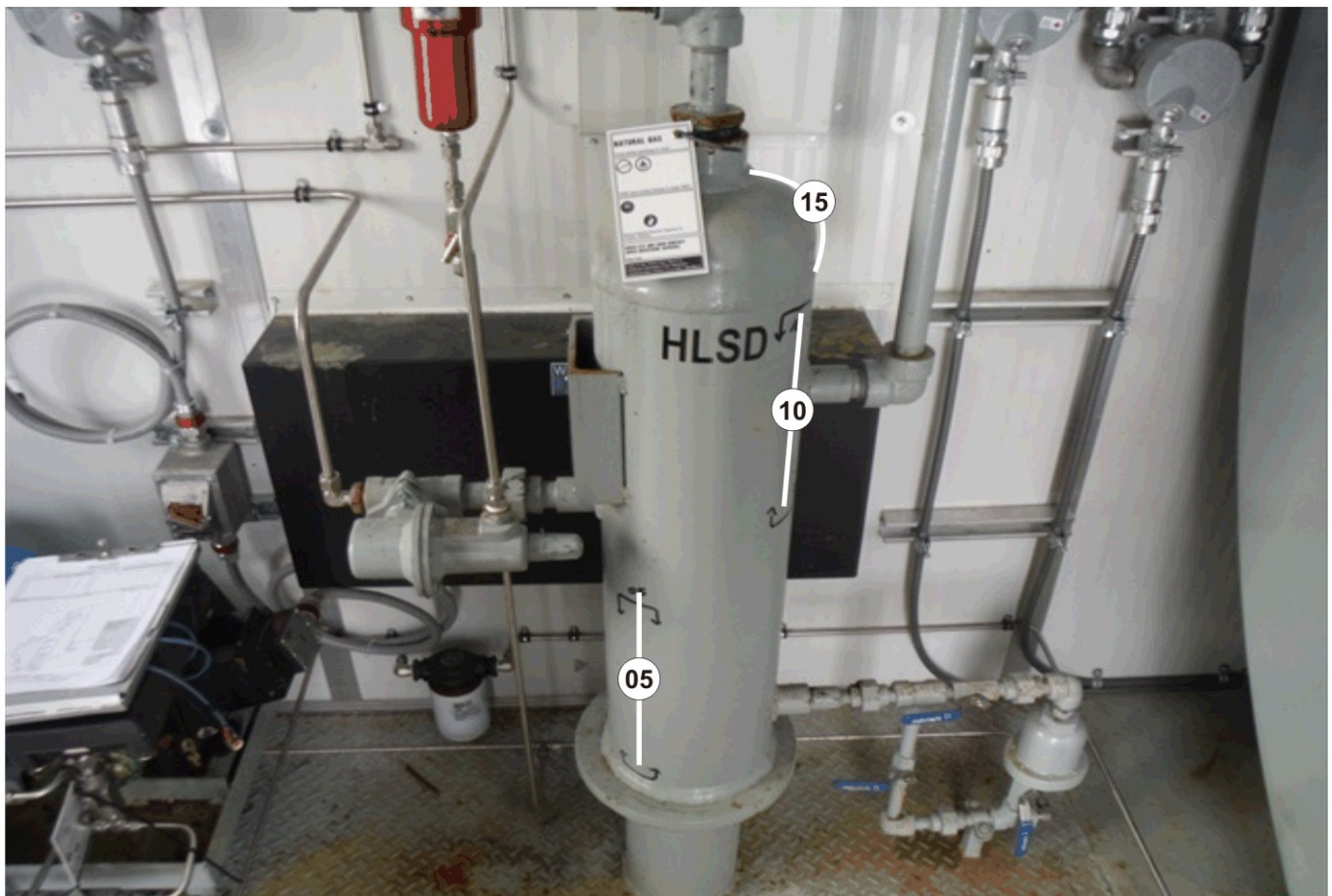
DETAILED INSPECTION UT THICKNESS

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 (SHELL)	8.08	8.53	0.0000	0.0000	198.0	2014/03/25	
10 (SHELL)	8.08	9.02	0.0000	0.0000	198.0	2014/03/25	
15 (HEAD)	7.14	9.14	0.0000	0.0000	198.0	2014/03/25	

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Gordon Derewianko		1	13896	03/25/2014	101_91637903_EPOCH4+	06/27/2014	WQS UT-001

EXAMINATION ILLUSTRATION

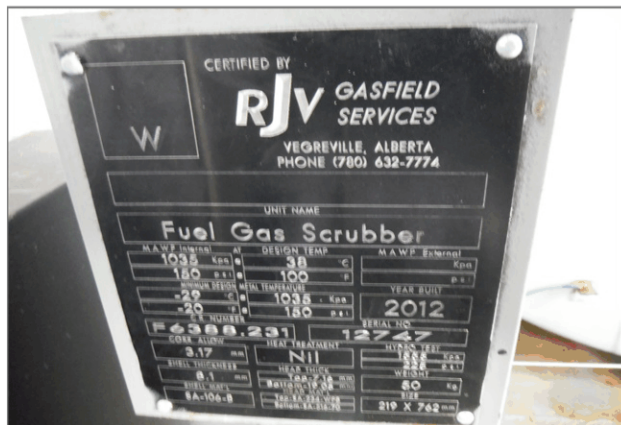
DISTRICT:	FH ANSELL	FACILITY:	MINEHEAD	LOCATION/LSD:	03-14-050-19W5
EQUIP NAME:	FUEL GAS SCRUBBER			PROV REG No.:	
SERIAL No.:	12747	Equip No.:	66195892	National Board No.:	



NOTES:

PHOTOGRAPHS

EQUIP NAME:	FUEL GAS SCRUBBER	PROV REG No.:	
SERIAL No.:	12747	Equip No.:	66195892
		National Board No.:	



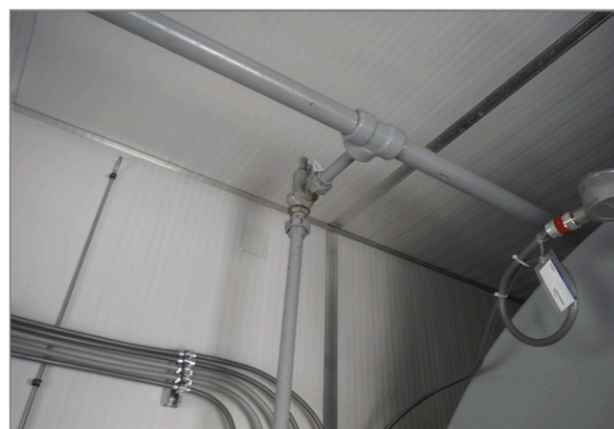
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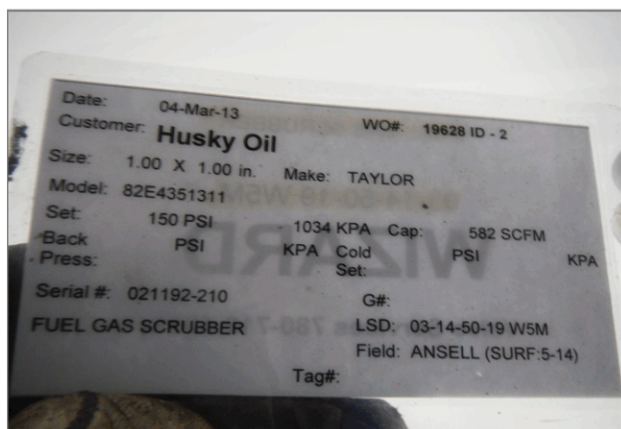
OVERALL



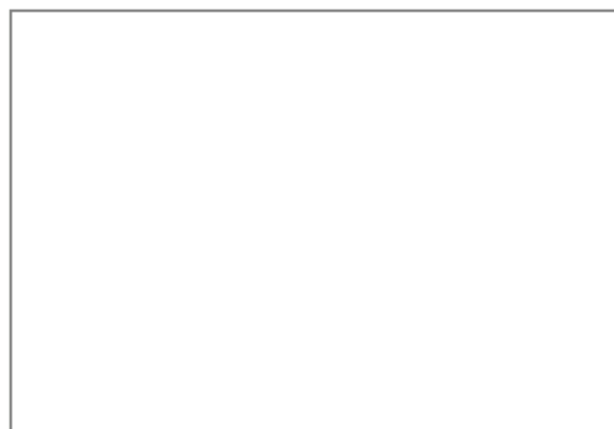
LSD



PSV



PV TAG



NOTES: