



Vessel Inspection Report

Owner ID MEC-132

Insp Date 04-Mar-10

Inspection Date 04-Mar-10	Client MMCH	District Chinchaga	LSD 11-17-097-06W6M	
Facility Type Multi-Well Site	Skid Separator Skid	Client Ref # 176025569		RES Ref # IS-P005
Owner Tag # MEC-132	Equipment Separator		Jur # A0488580	CRN R7010.2
MFR RJV Gas Field Services		Mfr S/N 8426	Mfr Date 2004	Status Operating
PSV # MECV-361	MFR Mercer	S/N 154869	Mfr Date	Make/Model 91-56F11T21U1

SUMMARY

External

The vessel is located inside a building. The nameplate is legible and secure. The vessel is identified by A-number and or serial number stamped on the nameplate. The heads, shell, nozzles, and bolting appear in good condition. There is no damage or distortion evident. There appears to be no stress to piping or to nozzle connections. The vessel is supported by saddles and is welded to the skid. The vessel is fully painted and the paint has not deteriorated. There is no external corrosion or pitting. The vessel does not have any structural attachments. The vessel is considered fit for continued service under present conditions. The associated piping appears in generally good condition. There is no damage or distortion on piping. The piping is supported adequately by clamps. Associated piping is flanged and welded. The piping is fully painted and the paint is in good condition. There is no external corrosion or pitting on piping.

Internal

No Internal Inspection Completed

PSV

PSV was located on the shell of the vessel and is in the vertical plane. PSV verified set at or below MAWP of vessel. PSV does not require calibration as per AB-506, preceded by RES PSV inspection criteria. PSV nameplate complete, legible, and secure. Seal wires intact and secure, valve well supported with no body damaged noted. Calibration tag is complete, legible, and secure. Service report has not been reviewed. No valves in the critical path. No internal inspection completed. PSV condition satisfactory and is considered fit for continued service under present conditions.

Inspector R. (Bob) Stanhope	Qualification IPVI 357	Signature:	Status Final	Report Date 04-Mar-10
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ASSESSMENT

Fit for Service Yes	Suitable for Service Yes	PSV Meets Code Yes	PSV Set at or Below MAWP Yes
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Repair/Alteration/PSV Calibration Required No

NEXT INSPECTION RATIONALE

Next UT/NDE interval set at 36 months to establish a corrosion history for the vessel. PSV service interval set at 60 months as per AB-506 and RES Integrity inspection criteria.

NEXT INSPECTIONS

Thorough Type	External	UT/NDE	Internal	Other	PSV Calibration	Comments
Internal	04-Mar-13	04-Mar-13	03-Mar-13		09-Mar-13	

Qualified Insp Merv Wirth	Qualification IPVI #0469	Signature:	Rpt Date 09-Apr-10	Rpt Status Final
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Insp Date 04-Mar-10

Equipment Details

NOTE: All measurements are in metric, unless specifically noted - Pressure kPa, Temp C, Length/OD/Thk mm

Owner Tag#		Equipment					Jur#			CRN		
MEC-132		Separator					A0488580			R7010.2		
MFR		Mfr S/N					Mfr date			Status		
RJV Gas Field Services		8426					2004			Operating		
Vessel	Orientation	HT/LN	OD	Volume	MAWP	MAWT	MDMT	MDMP	NOP	NOT	HT	RT
	Horizontal	4267.00	1063.00	4.03 m3	4964.23	37.78	-28.89	4964.23	349.24	10.00	Yes	1
	Ext Ins.	Internal Coating			Manway		Process Conditions					
No	No			Yes		Sweet						
Shell	Material	Nom	C/A	T/L Head	Material	Nom	C/A	B/R Head	Material	Nom	C/A	
	SA-516-70	25.400	3.17	Ellip	SA-516-70	23.51	3.17	Ellip	SA-516-70	36.45	3.17	
B oot Dome	B L/N:	OD		Shell	Material	Name	C/A	Head	Material	Nom	C/A	
	N/A	N/A			N/A	N/A	N/A		N/A	N/A	N/A	N/A

EXTERNAL INSPECTION

Vessel	
Item	Disposition
Nameplate	Fit for Service
Complete and Secure	
Heads	Fit for Service
No Marks or Damage	
Shell	Fit for Service
No Marks or Damage	
Boot	N/A
No Boot	
Insulation/Cladding	Fit for Service
Shell Insulated	
Coating	Fit for Service
No Marks or Damage	
Support/Skirts	Fit for Service
Saddles	
Anchors	Fit for Service
Welded to Skid	
Pads/Foundations	Fit for Service
Skid on Pilings	
Grounding	Fit for Service
Grounding Evident	
Nozzles	Fit for Service
Equal and Aligned	
Bolting	Fit for Service
Equal and Tight	
Cathodic Protection	Fit for Service
Insulators Noted	

Piping / Instrumentation	
Item	Disposition
General Condition	Fit for Service
Meets Code Requirements	
Piping Material	Fit for Service
Meets Code Requirements	
Piping Schedule	Fit for Service
Meets Code Requirements	
Flange Ratings	Fit for Service
Meets Code Requirements	
Strains	Fit for Service
No Issues noted	
Bolting	Fit for Service
Equal and Tight	
Support/Hangers	Fit for Service
No Issues noted	
Insulation	Fit for Service
No Issues noted	
Coating/Fireproofing	Fit for Service
No Issues noted	
Instrumentation	Fit for Service
No Issues noted	
Pumps / Motors	Fit for Service
No Issues noted	
Gauges / Recorders	Fit for Service
No Issues noted	

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PSV Details

PSV #		Mfg		S/N		Make/Model		MFR Date
MECV-361		Mercer		154869		91-56F11T21U1		
CRN	Set	Cap	Code	Service Co	Service Tag	Last Service		
0G8841.5C	4957.33	5032 scfm	UV/NB	TYCO	7205705	09/03/2008		
	Size	Type	# Rating	Block Valve	Locked/Carsealed	Location: On vessel		
Inlet	1.5	RF	300	No	N/A	Vented to:		
Outlet	3	RF	150	No	N/A	Flare Header		

Identification of PSV Verified Against Records: No Present Service Date Deemed Current Yes

PSV Set Pressure Verified Against MAWP of Vessel: Yes

PSV INSPECTION

External		Item	Disposition
Item	Disposition		
Installation and Supports	Fit for Service	Block Valves	N/A
Inlet and Outlet well supported		No Valve	
Nameplate	Fit for Service	Locks/Curseals	N/A
Complete and Secure		No Lock	
Service Tag	Fit for Service	Internal	
Complete and Secure		Inlet/Outlet Lines	N/A
Cap Seal	Fit for Service	Flange Faces/Threads	N/A
Secure		Not Internally Inspected	
Body-External	Fit for Service	Body-Internal	N/A
No Marks or Damage		Not Internally Inspected	
Drainage	Fit for Service	Fouling	N/A
Not Pocketed		Not Internally Inspected	

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INTERNAL INSPECTION

Item	Disposition	Item	Disposition
Heads	N/A	Floats/Level Controls	N/A
Shell	N/A	Inlet Deflector/Sparger	N/A
Manway(s)	N/A	Vortex Breaker(s)	N/A
Nozzles	N/A	Demister	N/A
Flange Faces	N/A	Weir(s)	N/A
Boot	N/A	Supports	N/A
Coating	N/A	Stand Pipes	N/A

No Internal Inspection Completed

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