



Mountain West Services Ltd.

Inspection Report - CNRL # 7109

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3138689- LINE HEATER

UT External

Province:	Alberta	Manway:	NO
District:	GPOU	Coating:	No
Location:	MONTNEY	Inspect Date:	10/23/2006
LSD:	11-01-075-11W6	Inspection Interval:	48
CRN:	N-0292.2	Next Inspection:	10/23/2010
Skid/Equipment Number:	SKID0226	MAWP:	10 PSI 68.948 KPa
Service:		Temperature:	249.8 F 121 C
Status:	In Service	Outstanding NCRs:	0

General:

2006 Ultrasonic Corrosion Survey.

Safety Valves:

PSV [ANON-CODE](#) Protects the Shell Of the Vessel. Set Pressure of PSI / 103.422 KPa. Capacity: /

PSV [MWS64145](#) Protects the Coil1 Of the Vessel. Set Pressure of 1475 PSI / 10169.83 KPa.

Capacity: 5208SCFM / 147.47m3/min

PSV [MWS64145](#) Protects the Coil2 Of the Vessel. Set Pressure of 1475 PSI / 10169.83 KPa.

Capacity: 5208SCFM / 147.47m3/min

Status: In Service	Examination Methods: UT	Access: External	Cleaning: Good
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External:

Refer to 2006 VT External inspection report as part of this thorough inspection.

Internal:

The line heater tube bundle nozzles were UT inspected for wall loss.

Hunt Inspections's Ultrasonic Corrosion Survey Project #C10093, as reported on Drawing #114, noted

all nozzle thickness readings to be above ASME B31.3 code requirements at time of inspection. The calculated retirement date is 2026 with a program maximum of 20 years.
 The associated piping was also inspected with no notable wall loss recorded.
 Cautions were generated on TML's 114-10 and 114-25. Calculations indicate the areas are well above minimum required thickness for design conditions.
 The elbows appear to be at the low end of the 12.5% allowable mill undertolerance.
 Next inspection is 4 years or 1/2 remaining life, whichever is less.

Recommendations:

Recommend 4 year interval for next UT inspection.
 Ultrasonic Corrosion Survey due again in 2010.

Inspector's Declaration: I have witnessed the above inspections and certify that they have been done in accordance with our manual and that the information is accurate. I certify that the status of the pressure equipment detailed here is:

Suitable to be returned to service: Yes	Repairs complete: N/A
Repairs are still required: No	Suggested Inspection Interval: 48
Inspector: Duane Paetkau Cert #000087 Date: 3/12/2007	
Chief Inspector: I certify that the information on this report is true and that all inspections required by the Owner/User Quality Assurance Program# AQP-8047 which expires in 12/06/05 have been done.	
Chief Inspector: Jim Damiani Cert 00037 Date: 3/28/2007	

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