ountain West Services Ltd.

Inspection Report - CNRL # 7125

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244015- LINE HEATER

UT External

Province:	Alberta	**Manway:**	NO
District:	GPOU	**Coating:**	No
Location:	MONTNEY	**Inspect Date:**	10/27/2006
LSD:	13-19-073-10W6	**Inspection Interval:**	48
CRN:		**Next Inspection:**	10/27/2010
Skid/Equipment Number:	SKID0252	**MAWP:**	10 PSI 68.948 KPa
Service:		**Temperature:**	1500 F 815.56 C
Status:	In Service	**Outstanding NCRs:**	0

General:

2006 Ultrasonic Corrosion Survey.

Safety Valves:

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

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 #177, 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.
Caution was generated on 3" pipingTML 177-05. Calculations indicate the area is well above minimum required thickness for design conditions.
Nominal thickness of the 3" piping = .438". T-min = .2545". Lows of .337" were recorded within the

TML.
Caution was generated on nozzle TML 177-40. Wall loss showing here. Calculations indicate the area is well above minimum required thickness for design conditions. Nominal thickness of the 3" nozzle = .300". T-min = .1265". Lows of .237" were recorded within the TML.
Cautions were generated on piping TML's 177-25 and 177-45. 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. Calculate STCR and LTCR corrosion rates at that time to determine retirement dates.

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:** 3/13/2007	
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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