



2879619

Field Inspection Report

Vessel # 2879619

Client	Canadian Natural Resources Ltd.		Inspection Date	2003-11-04	
Prov. Reg.#	2879619		Insp. Type	VE/UT	
Equipment	Dehy Tower		Location	Nevis	
Tag/Equip. #			LSD	11-30-39-21W4	
Vessel Status	In Service		Comp./Unit		
Manufacturer	Natco	Serial #	LS4097	MAWP/Temp	1440 psi 129 F
CRN #	K6580.2	Shell Material		Shell Thick.	in
Corrosion All.	in	Head Material		Head Thick.	in
Manway	No	Head Material 2		Head Thick. 2	in
Coating	No	Channel Material		Channel Thick.	in
Diameter	16 in	Length	in	Height	248 in
Year Built	1993	Next Inspection	2007		RT
Service	Sour			1	HT Yes
				Next Insp. Type	VE/UT
				Job #	03-568

PSV #.	CE38605A10	
Mfg.	Farris	Serial #
Type/Model	26DA13120S6	Capacity
Date of Service	2003-10-30	Next Service
		Set Pressure
		Size
		Service Co.

Observations:

External

Bottom half of the tower is inside the building and not insulated with minor isolated rust on shell near to 3" diameter inlet nozzle and at the skirt baseplate south side. While tower upper half is outside the building roof and fully insulated. Insulation appeared in good condition including the access ladder. PSV is located outside the building connected to tower gas outlet line and discharging to flare header. Moderate corrosion is taking shape on 3" diameter glycol lines was noted. Corrosion is more on 2 - 1" diameter nozzle connection to tower. Level bridle (2 nozzles), temperature gauges, pressure gauge and level transmitter found in good condition. Tower is properly bolted on building floor. Tower roof penetration is properly sealed.

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Internal

Two - 2" diameter bull plugs were unplugged. These 2 plugs are located near the bottom head and one at the middle of the bottom half of the tower just 7" below of 3" diameter inlet nozzle. Internal condition at the bottom side found with slight surface rust scale on the plug opening. Shell surface on this area is blocked by internal coil. Internal surface that is only seen from this opening found in good condition with no sign of corrosion. Top plug opening is blocked by inlet deflector plate. Surface condition in this area found relatively clean with no significant sign of corrosion attack.

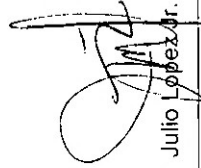
UT

Measurements in Inches
Mid Shell - 0.988 - 1.004
Bottom Shell - 0.990 - 0.999
Bottom Head - - 0.951 - 0.972
3" Inlet Nozzle - 0.543 - 0.564

Recommendations:

1. Clean and paint the inlet nozzle and the flanges including the 1" diameter glycol lines rusted welds on fittings to stop further corrosion.
2. Vessel is still fit for further service.

Inspector: Julio Lopez Jr.



Reviewed by:



AB-40 to be attached

RAE Inspection Service (1979) Ltd.
 #111, 4808 - 87 Street, Edmonton, Alberta T6E 5W3
 Phone: (780) 469-2401 Fax: (780) 468-2422

Field Inspection Report
Vessel A #2879619

Client	Canadian Natural Resources		Date of Insp.		June 10, 1999	
Prov. Reg.#	2879619		Location		Nevis Field	
Equipment	Contactor		LSD		9-23-39-22W4	
Tag/Equip. #			Comp./Unit #			
Vessel Status	In Operation		Job #		99-143	
Fabricator	NATCO Canada		Serial #		LS 4097	
CRN#	K6580.2		Shell Mat'l		MAWP/Temp 1440 psi/129°F	
Corr. All.	-		Head Mat'l		Shell Thick -	
Diameter	16"		Length		Head Thick -	
Year Built	9/93		Next Insp.		RT HT	
Service	Sweet		Manway		28 ft 1	
PSV #	13642		Height		2003 Insp. Type VE/UT	
Mfg.	Farris		Serial #		No Coating No	
Type/Model	26DA13-120/S6		Capacity		CE38605-A10 Set Pressure 1400 psi	
Date of Service	5/97		Next Service		3661 scfm Size 1"X2"	
			2001		Service Co. KMS	

Report # 2207

Observations:

External Exposed area from building fully insulated, tight and solid no evidence of corrosion, in good condition.
Internal No access at this time.

UT Readings (measurements are in inches):

Test Point	Nominal			
1	-	1.066	1.064	1.059
2	-	0.995	0.999	1.006
3	-	1.001	1.002	1.002
4	-	0.991	0.992	0.994
				1.064
				1.009
				1.002
				0.995

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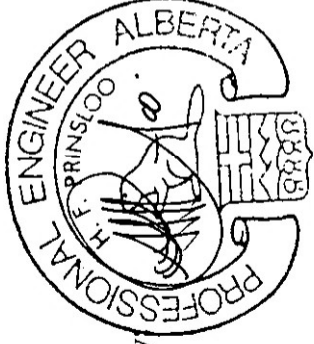
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Recommendations:

1. Next outage and open (access flanges/plugs) for internal inspection.

Inspector: Ramon Jimeno

Reviewed By



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Vessel Drawing
 (not to scale)

Client	Canadian Natural Resources	Location	Nevis Field
Prov. Reg.#	2879619	LSD	9-23-39-22W4
Equipment	Contactor		
Diameter	16"	Shell Thickness	
Length/Height	28 ft	Head Thickness	

