



3066599

Field Inspection Report

Vessel # 3066599

Client	Canadian Natural Resources Ltd.		Inspection Date	2003/11/04	
Prov. Reg.#	3066599		Insp. Type	VE/UT	
Equipment	Flare Knock Out Drum		Location	Nevis	
Tag/Equip. #			LSD	11-30-39-21W4	
Vessel Status	In Service		Comp./Unit		
Manufacturer	Natco	Serial #	LM3023	MAWP/Temp	51 psi 200 F
CRN #	M7022-2	Shell Material		Shell Thick.	in
Corrosion All.	in	Head Material		Head Thick.	in
Manway	Yes	Head Material 2		Head Thick. 2	in
Coating	No	Channel Material		Channel Thick.	in
Diameter	in	Length	in	RT	1
Year Built	1995	Next Inspection	2005	Next Insp. Typ	VE/UT
Service	Sour			Job #	03-568

Observations:

Note: No PSV - drum is vented to flare.

External

Drum is fully insulated except south head which is enclosed by small insulated aluminum building. Insulation found in good condition, no loose strap, no worn or torn cladding noted. Drum is supported above ground by two pedestal mounted on 4 (2 each) pipe pile underground. Vessel is properly wired to the ground. Un-insulated south head paint is in good condition - no sign of scratch or condensation observed. Level bridle/glass and level transmitter appeared to be ok, no sign of leak on all fittings and nozzle noted. Temperature gauge is still intact. Three thickness monitoring location (TML) were created this time at the bottom part of the vessel.

Internal

Not made available at this time.

UT

Measurements in Inches
 Random UT on South Head
 South Head - 0.355 - 0.358
 South Shell - 0.372 - 0.381
 Mid Shell - 0.364 - 0.379
 North Shell - 0.363 - 0.368

AB-40 to be attached

Field Inspection Report

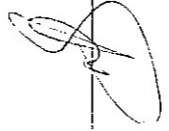
Vessel # 3066599

Recommendations:

1. There was no internal inspection done for the past 8 years or since the vessel was put in service. Internal inspection is requested this time but declined due to operational impact. 3 TML were created under side of the vessel external - for thickness gauging. A 2 year next inspection interval was given to have a complete assessment for vessel's internal especially the 2" diameter heater coils.
2. Inspect internal next scheduled inspection date.



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 #3066599

Client	Canadian Natural Resources		Date of Insp.	June 10, 1999	
Prov. Reg.#	3066599		Location	Nevis Field	
Equipment	Flare Knock Out		LSD	11-30-39-21W4	
Tag/Equip. #			Comp./Unit #		
Vessel Status	In Operation		Job #	99-143	
Fabricator	Natco Canada	Serial #	LM 3023	MAWP/Temp	51 psi/200°F
CRN#	M7022.2	Shell Mat'l	-	Shell Thick.	-
Corr. All.	-	Head Mat'l	-	Head Thick.	-
Diameter	6'0"	Length	24 ft	RT	1 HT Yes
Year Built	1/1995	Next Insp.	2003	Insp. Type	VE/UT
Service		Manway	Yes	Coating	No
PSV #.	Atmospheric				
Mfg.		Serial #		Set Pressure	
Type/Model		Capacity		Size	
Date of Service		Next Service		Service Co.	

Report # 2205

Observations:

External Fully insulated except west head end insulation in good shape, head surface clean and smooth.
Internal No access available at this time.

UT Readings (measurements are done in inches):

Test Point	Nominal			
1		0.369	0.368	0.371 0.372
2		0.369	0.368	0.375 0.372

Recommendations:

1. None at this time.

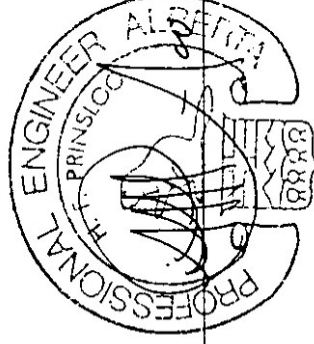
Inspector: Ramon Jimeno

Reviewed By:

AB-40 to be attached

1

at



My

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

Vessel Drawing
 (not to scale)

Client	Canadian Natural Resources		Location	Nevis Field
Prov. Reg.#	3066599		LSD	11-30-39-21W4
Equipment	Flare Knock Out			
Diameter	6'0"	Shell Material	LM 3023	Shell Thickness
Length/Height	24 ft	Head Material		Head Thickness

