

A0465525 - SEPARATOR INSPECTION - JUN 2003

1060-04

Canadian Natural Resources Limited
Production - Facilities Engineering
A0465525 Separator External Inspection Report

Content Date Range: 6/24/2003 to 6/24/2003

Vessel Integrity

Inspection Data

Open: 4/23/2007 Close:

CC+2 0P P



00784771

Vital: Yes
Original: Yes
Confidential: No

Vessel Location (LSD):	100/16-Z8-75-07W6	Disc #:		Photo #:	
Facility Name:	SADDLE HILLS	Inspector:	J. OLIVER		
Vessel Description:	3 PHASE SEPARATOR	Date:	JUN 24/03		
Prov. Reg. Number:	A465525	CRN:	P5726.23	Page:	1 of 2

GENERAL INFORMATION

Manufacturer:					Serial Number:	2001-6618-02E			
RT:	HT:	YES <input type="checkbox"/> NO <input type="checkbox"/>	Internally Coated:	YES <input type="checkbox"/> NO <input type="checkbox"/> NOT KNOWN <input type="checkbox"/>	Insulated:	YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/>			
Sh. Side MAWP:	Psi / Kpa @		F / C	Tube Side MAWP:	Psi / Kpa @		F / C		
Sh. Side Op. Pr:	Psi / Kpa @		F / C	Tube Side Op. Pr:	Psi / Kpa @		F / C		
Hd. Tk:	Mat'l:	C.A.:	Chan. Hd. Tk:	Mat'l:	C.A.:				
Hd. Tk:	Mat'l:	C.A.:	Chan Sh. Tk:	Mat'l:	C.A.:				
Sh. Tk:	Mat'l:	C.A.:	Trans. Tk:	Mat'l:	C.A.:				
Sh. Tk:	Mat'l:	C.A.:							
VESSEL SIZE: (ID / OD X L):				Strapped:	YES <input type="checkbox"/> NO <input type="checkbox"/>	Manway:	YES <input type="checkbox"/> NO <input type="checkbox"/>	SIZE:	

SERVICE CONDITIONS (CHECK ALL THAT APPLY)	OPERATING <input type="checkbox"/> SHUT IN <input checked="" type="checkbox"/> SURPLUS <input type="checkbox"/> JUNK <input type="checkbox"/>
PROCESS	Air <input type="checkbox"/> Lean Amine <input type="checkbox"/> Rich Amine <input type="checkbox"/> Sweet Glycol <input type="checkbox"/> Sweet Gas <input type="checkbox"/> Sweet Condensate <input type="checkbox"/> Sweet Oil <input type="checkbox"/>
LPG <input type="checkbox"/> Sour Glycol <input type="checkbox"/> Sour Gas <input checked="" type="checkbox"/> Sour Condensate <input checked="" type="checkbox"/> Sour Oil <input type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Nitrogen <input type="checkbox"/> Steam <input type="checkbox"/>	PROD. WATER

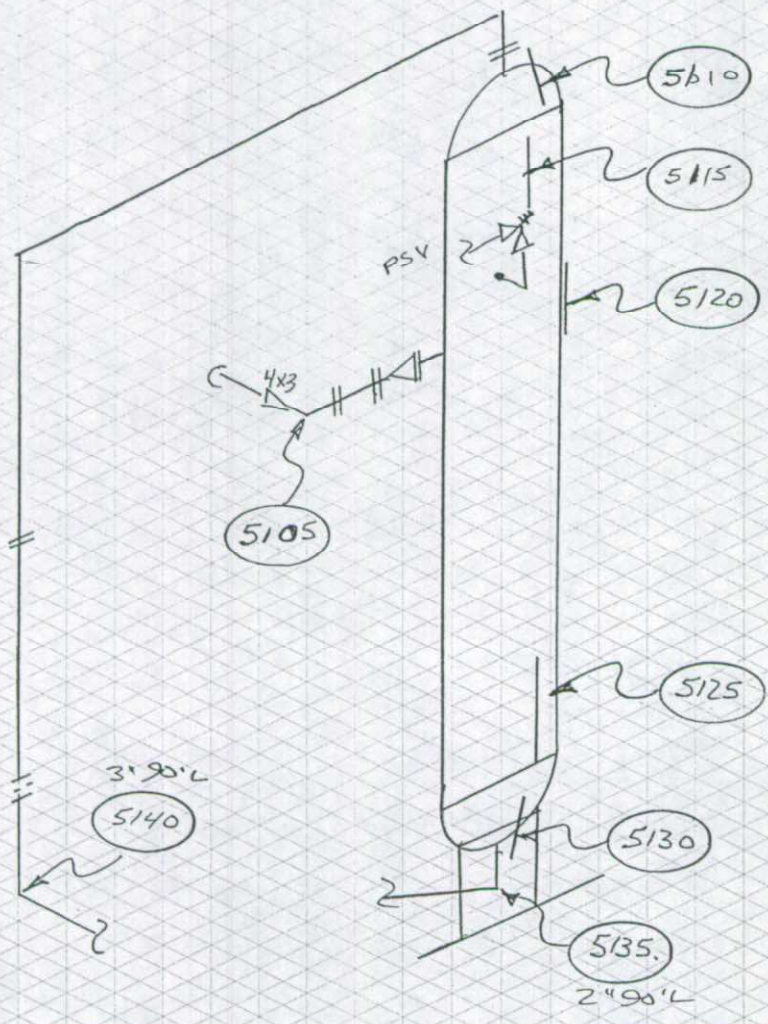
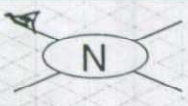
VESSEL EXTERNAL CONDITION

Any Recent Repairs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any Physical Damage? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any External Corrosion? (other than minor surface rust) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any leaks on the vessel, nozzles or piping? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any recent ultrasonic thickness tests? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>JUNE 24/03</i>	
No. of times the site is visited & approx. amount of time spent at the site / visit:	Concentration H ₂ S:
Vessel Comments: <i>LEASE IS SHUT IN</i>	

PSV DATA

ANADARKO TAG #:	<i>No TAG</i>	SERVICE COMPANY:	
Manufacturer:		Size:	
Model #:		CRN #:	
Serial #:		Capacity:	
Set Date:		Set Pressure:	
Are there any Isolating valves on either the inlet or outlet of the PSV? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Comments:			

P&ID. # _____
 REF. # _____



VESSEL DATA

Prov. Reg. No. A465525 C.R.N. P5726.23 P.E. No. _____ Serial No. 2001-6618-02E
 MFR. ALCO. Code/Div. _____ Para _____ Code Stamp U
 Yr. Blt. 01 Yr. Inst. _____ Size _____ Vol. _____ Service Sour. PWHT YES

Nominal Thickness & Material

Head: N/S Mat'l: SAS16-70N C.A.: .125"
 Head: _____
 Shell: N/S SAS16-70N. C.A.: .125"
 Shell: _____
 Chan Hd: _____ C.A.: _____
 Chan Sh: _____
 Gas Boot Hd: _____ C.A.: _____
 Gas Boot Sh.: _____
 Liq. Boot Hd.: _____ C.A.: _____
 Liq. Boot Sh.: _____

Insulated No R.T. 1
 Repairs _____
 COMMENTS _____

*ANADARKO CANADA CORPORATION
 SADDLE HILLS GAS GATHERING,
 SADDLE HILLS,
 LSD; 100/16-28-75-07W6M.
 3 PHASE SEPARATOR*

MAWP Shell Side 1440 PSI @ Temp. -20°/128°c.
 MAWP Tube Side _____ @ Temp. _____

TECH: _____	REV. DATE: _____	DWG DATE: _____
CAD: _____	REVISION: _____	DRAWING: _____

Vessel Location (LSD):	100/16-28-75-07W6M.	Disc #:		Photo #:	
Facility Name:	SADDLE HILLS	Inspector:	JOWER		
Vessel Description:	SEP BLDG. FUEL GAS SCRUBBER	Date:	JUNE 24/03		
Prov. Reg. Number:	046525B	CRN:	P5984.23	Page:	1 of 2.

GENERAL INFORMATION

Manufacturer:					Serial Number:	2001 6618-120	
RT:	HT:	YES <input type="checkbox"/> NO <input type="checkbox"/>	Internally Coated:	YES <input type="checkbox"/> NO <input type="checkbox"/> NOT KNOWN <input type="checkbox"/>	Insulated:	YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/>	
Sh. Side MAWP:	Psi / Kpa @		F / C	Tube Side MAWP:	Psi / Kpa @		F / C
Sh. Side Op. Pr:	Psi / Kpa @		F / C	Tube Side Op. Pr:	Psi / Kpa @		F / C
Hd. Tk:	Mat'l:	C.A.:	Chan. Hd. Tk:	Mat'l:	C.A.:		
Hd. Tk:	Mat'l:	C.A.:	Chan Sh. Tk:	Mat'l:	C.A.:		
Sh. Tk:	Mat'l:	C.A.:	Trans. Tk:	Mat'l:	C.A.:		
Sh. Tk:	Mat'l:	C.A.:					
VESSEL SIZE: (ID / OD X L):			Strapped:	YES <input type="checkbox"/> NO <input type="checkbox"/>	Manway:	YES <input type="checkbox"/> NO <input type="checkbox"/>	SIZE:

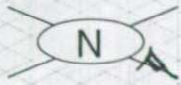
SERVICE CONDITIONS (CHECK ALL THAT APPLY)	OPERATING <input type="checkbox"/> SHUT IN <input checked="" type="checkbox"/> SURPLUS <input type="checkbox"/> JUNK <input type="checkbox"/>
PROCESS	Air <input type="checkbox"/> Lean Amine <input type="checkbox"/> Rich Amine <input type="checkbox"/> Sweet Glycol <input type="checkbox"/> Sweet Gas <input checked="" type="checkbox"/> Sweet Condensate <input type="checkbox"/> Sweet Oil <input type="checkbox"/>
LPG <input type="checkbox"/> Sour Glycol <input type="checkbox"/> Sour Gas <input type="checkbox"/> Sour Condensate <input type="checkbox"/> Sour Oil <input type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Nitrogen <input type="checkbox"/> Steam <input type="checkbox"/>	

VESSEL EXTERNAL CONDITION

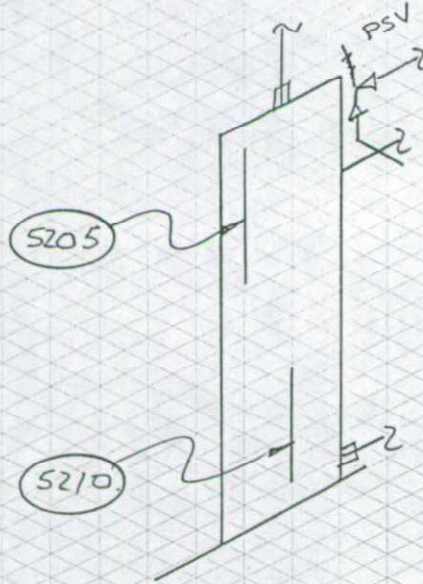
Any Recent Repairs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any Physical Damage? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any External Corrosion? (other than minor surface rust) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any leaks on the vessel, nozzles or piping? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Any recent ultrasonic thickness tests? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>JUNE 24/03</i>	
No. of times the site is visited & approx. amount of time spent at the site / visit:	Concentration H ₂ S:
Vessel Comments: <i>LEASS IS SHUT IN.</i>	

PSV DATA

ANADARKO TAG #:	<i>NO TAG.</i>	SERVICE COMPANY:	
Manufacture:	Size:	Comments:	
Model #:	CRN #:		
Serial #:	Capacity:		
Set Date:	Set Pressure:		
Are there any Isolating valves on either the inlet or outlet of the PSV? Yes <input type="checkbox"/> No <input type="checkbox"/>			



P&ID. # _____
REF. # _____



VESSEL DATA

Prov. Reg. No. _____ C.R.N. P5984.23 P.E. No. _____ Serial No. 2001661812D
MFR. ALCO. Code/Div. _____ Para _____ Code Stamp UM
Yr. Bld. 01 Yr. Inst. _____ Size 10.8" X 28" Vol. _____ Service _____ PWHT _____

Nominal Thickness & Material

Head: 750" / 19.05 Mat'l: SAS16-70N (FLAT) C.A.: .125"
Head: _____ C.A.: 3.2
Shell: .365" / 9.27 SA 106B C.A.: .125"
Shell: _____
Chan Hd: _____ C.A.: _____
Chan Sh: _____
Gas Boot Hd: _____ C.A.: _____
Gas Boot Sh.: _____
Liq. Boot Hd.: _____ C.A.: _____
Liq. Boot Sh.: _____

Insulated No. R.T. _____
Repairs _____
COMMENTS _____

INADARKO CANADA CORPORATION
SADDLE HILLS GAS GATHERING
SADDLE HILLS
LSO; 100/16-28-75-07W6H.

SEP. BLDG. FUEL GAS SCRUBBER

MAWP Shell Side 150 PSI @ Temp. -20' / 150' F
MAWP Tube Side _____ @ Temp. _____

TECH.:	REV. DATE:	DWG DATE:
CAD:	REVISION:	DRAWING: