

A0465860 - SEPARATOR INSPECTION - JUN 2003

1060-04

Canadian Natural Resources Limited
Production - Facilities Engineering
A0465860 Separator External Inspection Report

Content Date Range: 6/26/2003 to 6/26/2003

Vessel Integrity

Inspection Data

Open: 4/19/2007 Close:

CC+2 0P P



00784564

Vital: Yes
Original: Yes
Confidential: No

Vessel Location (LSD):	100/04-23-75-07W6M.	Disc #:		Photo #:	
Facility Name:	SADDLE HILLS	Inspector:	J. OLIVER		
Vessel Description:	3 PHASE SEPARATOR.	Date:	JUNE 26/03		
Prov. Reg. Number:	17465860	CRN:	P5726.23	Page:	1 of 2

GENERAL INFORMATION

Manufacturer:		Serial Number:	2001 6760 01A.				
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.:				
VESEL 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 checked="" type="checkbox"/> SHUT IN <input 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 type="checkbox"/> Sour Oil <input type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Nitrogen <input type="checkbox"/> Steam <input type="checkbox"/>	SOUR WATER

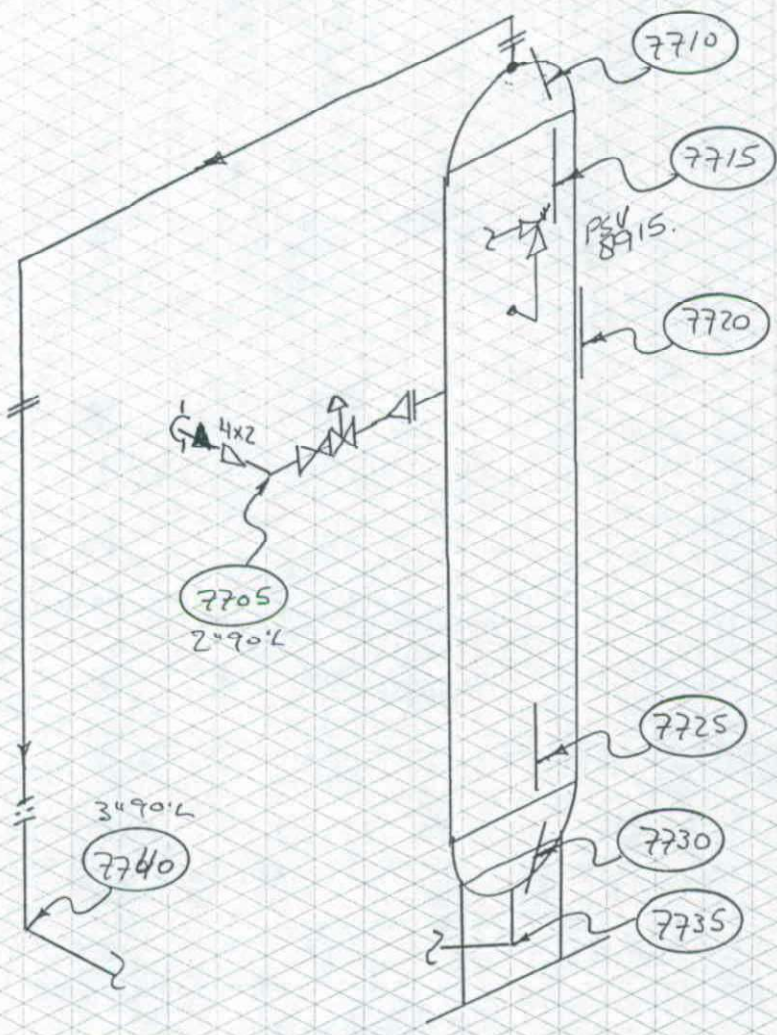
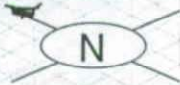
VESSEL EXTERNAL CONDITION

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"/> JUNE 26/03	
No. of times the site is visited & approx. amount of time spent at the site / visit:	Concentration H ₂ S:
Vessel Comments:	

PSV DATA

ANADARKO TAG #:	PSV 8915.	SERVICE COMPANY:	
Manufacture:		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"/>			

P&ID. # _____
REF. # _____



VESSEL DATA

Prov. Reg. No. A465860 C.R.N. P5726.23 P.E. No. _____ Serial No. 20016760 01A
MFR. ALCO. Code/Div. _____ Para _____ Code Stamp U
Yr. Bld. 02 Yr. Inst. _____ Size 16" X 8' Vol. _____ Service SOLE, 10% PWHT YES

Nominal Thickness & Material

Head: .875"/22.22 Mat'l: SA 516-70N C.A.: .125"
Head: _____ C.A.: 3.2
Shell: .844"/21.43 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. 1
Repairs _____
COMMENTS _____

ANADARICO CANADA CORPORATION,
SADDLE HILLS GAS GATHERING,
SADDLE HILLS
USD: 100/04-23-75-07W6M
3 PHASE SEPARATOR.

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

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

Vessel Location (LSD):	100/04-23-75-07 W6H.	Disc #:		Photo #:	
Facility Name:	SADDLE HILLS	Inspector:	J. O. LUKER		
Vessel Description:	SEP. BLDG. FUEL GAS SCRUBBER.	Date:	JUNE 26/03		
Prov. Reg. Number:	- 0465860B	CRN:	P5984.23	Page:	1 of 2

GENERAL INFORMATION

Manufacturer:		Serial Number:	2001 6618 12A.		
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 checked="" type="checkbox"/> SIZE: 0

SERVICE CONDITIONS (CHECK ALL THAT APPLY)	OPERATING <input checked="" type="checkbox"/> SHUT IN <input 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 23/04.</i>
No. of times the site is visited & approx. amount of time spent at the site / visit:	Concentration H ₂ S:
Vessel Comments:	

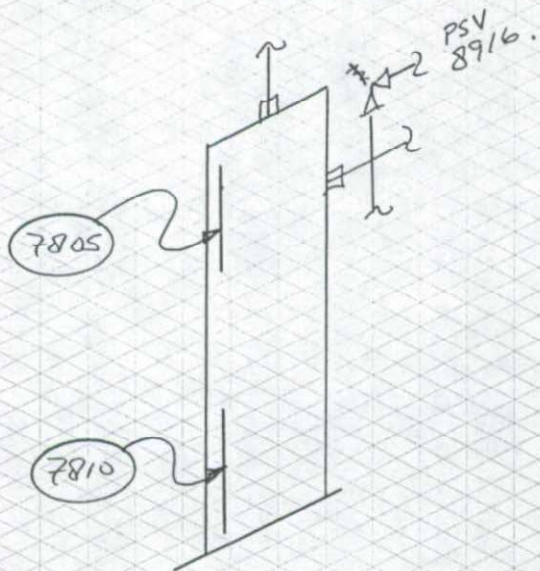
PSV DATA

ANADARKO TAG #:	PSV 8916.	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. # _____



8916

VESSEL DATA

Prov. Reg. No. _____ C.R.N. P5984.23 P.E. No. _____ Serial No. 2001 6618 12A
MFR. ALCO. Code/Div. _____ Para _____ Code Stamp UM
Yr. Bld. 01 Yr. Inst. _____ Size 8'8" X 28" Vol. _____ Service SWEET PWHT _____

Nominal Thickness & Material

Head: .750"/19.05 Mat'l: SA 516-70N (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 _____

ANADARKO CANADA CORPORATION
SADDLE HILLS GAS GATHERING
SADDLE HILLS
LSD: 100/04-23-75-07 WGM.

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: