

A0499431 - HEATER COIL INSPECTION DATA - NOV 2003

1060-04

Canadian Natural Resources Limited
Production - Facilities Engineering
A0499431 Indirect Fired Heater Coil Certificate of
Inspection and Manufacturers Data Report

Content Date Range: 11/3/2003 to 11/3/2003

Vessel Integrity

Inspection Data

Open: 2/2/2007

Close:

CC+2

0P

P

Vital: Yes
Original: Yes
Confidential: No



00762901

Certificate of Inspection

ANADARKO CANADA CORPORATION
PO BOX 2595 STN M
425-1 STREET SW
ATTN GORDON TUNNICLIFFE
CALGARY, AB
T2P 4V4

PREFERRED RE-INSP. INTERVAL: Yr.

YEAR BUILT: 2003

CRN: N5965.2

SERIAL #: 03-3993-3

VOLUME: 0.14 M3

HEATING SURFACE: 10.11 M2

SURFACE AREA:

MIDSTREAM
DEC 16 2003

COMPANY CODE:

DESCRIPTION: INDIRECT FIRED HEATER COIL

LOCATION: STOCK, CALGARY

MANUFACTURER: OPSCO ENERGY INDUSTRIES LTD

Safety Valves

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	Safety Valves	
						CAPACITY	LOCATION
COIL 1	21616 KPA	121 C		SV1			TO BE INSTALLED
COIL 2	11170 KPA	121 C		SV1			TO BE INSTALLED

OWNER INSTRUCTIONS/REMARKS:

NOT SUBJECT TO ANNUAL FEES AS PER REGULATIONS PART 4 SECTION 28 (h)
DIRECT OR INDIRECT FIRED OIL AND GAS PROCESS HEATERS OF THE COIL TYPE;

OWNER TO VERIFY INTEGRITY OF VESSEL BY PERIODIC INSPECTION PROGRAM.

VERIFY THAT VESSEL/BOILER IS PROTECTED BY AN ACCEPTABLE ASME CODE PRESSURE RELIEF VALVE, OF ADEQUATE CAPACITY, SET AT NO MORE THAN MAXIMUM PRESSURE AUTHORIZED AND INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT & REGULATIONS.

VESSEL/BOILER TO BE INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT AND REGULATIONS.

Safety Codes Officer: RAWLINS, VANESSA

Signature: *Vanessa Rawlins*

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

The owner or person in charge shall report all accidents involving a boiler, pressure vessel or pressure piping system to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.

HBSH

FB-727

MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

(A) No. 499431Manufactured by OPSCO ENERGY INDUSTRIES LTD., 2601 Centre Ave. East, Calgary, AB, T2P 2L1Manufactured for Anadarko Canada Ltd. 425 - 1st St. S.W., Box 2595 STN. M Calgary, AB T2P 4V4Ultimate Owner Anadarko Canada Ltd. 425 - 1st St. S.W., Box 2595 STN. M Calgary, AB T2P 4V4Location of Installation StockMfg. Serial No. 03-3993-3 Code: ASME B3 1. 3, Edition 2002 Addenda _____Drawing Number SEE IN REMARKS Year Built 2003 Intended Service SOUR

Coil No.	Mtl. Spec.	Ends	Rating	Diameter	Nom. Thk.	O/A Length	C.A.	Max. Working Pressure (kPa)	Max. Temperature (Deg. C)	Hydrotest Pressure (kPa)	C.R.N.
a	SA-106B SMLS	RFWN	1500 ANSI	3" NPS	Sch. 160	15'-6.0"	0.125"	21616	121	38322	N5965.213
b	SA-106B SMLS	RFWN	900 ANSI	3" NPS	Sch. 80	14'-6.5/8"	0.125"	11170	121	22960	N5297.213
c											
d											
e											

Heating Surface 108.81 Sq. ft.(10.01 Sq. m.) Radiography 100% (Random, % or Full)Volume 4.95. Cu. ft.(.144 Cu. m.) P.W.H.T. 1150 F FOR 1.0 HRS

Remarks

CONST. DRAWING #'s: HC-03-3993-2453 R.2 / HC-03-3993-2454 R.2
 CRN DRAWING #'s: SN-CPH-C R.P/Q / SN-CRH-B R.P/Q

CERTIFICATE OF COMPLIANCE

We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this coil bundle are in accordance with Registered Design No.

Date November 03, 2003 Signed JC Saing For OpSCO Energy Industries Ltd.
(mm/dd/yy) (Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, a duly authorized Safety Codes Officer employed by The Alberta Boilers Safety Association have inspected the above Heater Coils and state that, to the best of my knowledge and belief, the construction is in accordance with the Alberta Safety Codes Act and Regulations.

Date November 03, 2003 Signed Vanessa Kowl
(mm/dd/yy)

Energy
INDUSTRIES LTD.

CALGARY, ALBERTA, CANADA

SER. NO. 1033993-3 DATE MFG'D. 7/1/03

COIL NO. 1	3" NPS	SCH. 160	CRW
COIL NO. 2	3" NPS	SCH. 80	CRW
COIL NO. 3	3" NPS	SCH.	CRW

MAWP PSI NO. 1 335 NO. 2 1620 NO. 3 AT 280 °F

TEST PRESS PSI NO. 1 650 NO. 2 3350 NO. 3

RT PWHT YES CA

PROV. REG. A9994