

PARTIAL

A# 625889

**Manufactured By:** NWP Industries Inc. 4017 60th Ave, Innisfail Alberta, T4G 1S9  
**Manufactured For:** Encana Corporation, PO Box 2850, 500 Centre Street SE Calgary Alberta T2G 1A6  
**Ultimate Owner:** Encana Corporation, PO Box 2850, 500 Centre Street SE Calgary Alberta T2G 1A6  
**Location of Installation:** 04-02-80-17W6

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3			Year Built
		Edition	2012	Addenda	
NWP-08925-003-A	08925-001-C-001				2014

**CONSTRUCTION**

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a Preheat-100/Coil A	5171 PSI	200F	-20	0.125	BDD-400A Rev 1	P9417.231
b Reheat-101/Coil B	1350 PSI	200F	-20	0.125	BDD-400 Rev 9	P9416.213
c Preheat-102/Coil C	5171 PSI	200F	-20	0.125	BDD-400A Rev 1	P9417.231
d Reheat-103/Coil D	1350 PSI	200F	-20	0.125	BDD-400 Rev 9	P9416.213
e						

**COIL**

Mat'l Spec.	Diameter	Thickness	End Closures				Openings		
			Return Bend		Flanges		Mat'l Spec.	Size/Type	Rating
			Mat'l Spec.	Thickness	Mat'l Spec.	Rating			
a SA-333-6	4" NPS	SCH XXH	SA-420-WPL6	SCH XXH	SA-350-LF2-CL1	CL 2500	NA	NA	NA
b SA-333-6/SA 106-B	4" NPS	SCH 80	SA-234-WPB	SCH 80	SA-350-LF2-CL1	CL 600	NA	NA	NA
c SA-333-6	4" NPS	SCH XXH	SA-420-WPL6	SCH XXH	SA-350-LF2-CL1	CL 2500	NA	NA	NA
d SA-333-6/SA 106-B	4" NPS	SCH 80	SA-234-WPB	SCH 80	SA-350-LF2-CL1	CL 600	NA	NA	NA
e									

**HEADERS/MANIFOLDS**

Purpose	Size	Shell		Ends			Openings		
		Mat'l Spec.	Thickness	Mat'l Spec.	Thickness	No	Mat'l Spec.	Size/Type	Rating
f NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
g NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TEST PRESSURE, NDE, POSTWELD HEAT TREATMENT AND SIZE**


Hydrostatic Test Pressure	Radiography (100% or % Random)	Other NDE (MT) (PT) (UT)	Postweld Heat Treatment		Overall Length	Heating Surface	Volume
			Temp.	Time			
a 7757 PSI	20%	NA	NA	NA	351.375"	231.6 sq.ft.	6.059 cu.ft.
b 2160 PSI	20%	NA	NA	NA	365.375"	249.6 sq.ft.	9.021 cu.ft.
c 7757 PSI	20%	NA	NA	NA	351.375"	231.6 sq.ft.	6.059 cu.ft.
d 2160 PSI	20%	NA	NA	NA	365.375"	249.6 sq.ft.	9.021 cu.ft.
e							
f							
g							

IMPACT TESTING: Exempt per Table 323.2.2 Column A

REMARKS:

**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 the above Provincial Registered Design.

Date March.5,2014 Signed Lance Raven  For NWP Industries Inc.   
(Representative) (Manufacturer)

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, a duly authorized boiler and pressure vessel inspector employed by ABSA of Alberta have inspected the above Heater Coils and state that, to the best of my knowledge and belief, the constructed is in accordance with the Alberta Safety Codes Act and Regulations. By signing this certificate, neither the inspector nor his or her employer makes any warranty, expressed or implied, concerning the vessel described in this manufacturer's data report. Furthermore, neither the inspector nor his or her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date March.5,2014 Signed Joe Tworek NB 12995 A,B AB 261 