

PARTIAL

A# 638376

**Manufactured By:** Kootenay Industriés Ltd. 5982-86 Ave. S.E. Calgary, AB T2C 4L7  
**Manufactured For:** Sinopec Daylight Energy Ltd. 2700, 112-4 Ave. S.W. Calgary, AB T2P 0H3 Account# 028185  
**Ultimate Owner:** Sinopec Daylight Energy Ltd. 2700, 112-4 Ave. S.W. Calgary, AB T2P 0H3 Account# 028185  
**Location of Installation:** Stock, 5982-86 Ave. S.E. Calgary, AB

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3			Year Built
12-035-CB	12-034-B REV.0	Edition	2010	Addenda	2014

**CONSTRUCTION**

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a PRE-HEAT COIL (COIL 1)	5020 PSIG	200°F	-20°F	0.076"	12-031-B REV.0	W0429.2
b RE-HEAT COIL (COIL 2)	5020 PSIG	200°F	-20°F	0.076"	12-031-B REV.0	W0429.2
c						
d						
e						

**COIL**

	Tubes			End Closures			Openings			
	Mat'l Spec.	Diameter	Thickness	Return Bend		Flanges		Mat'l Spec.	Size/Type	Rating
				Mat'l Spec.	Thickness	Mat'l Spec.	Rating			
a	SA-333-6	4"	0.674"	SA-420-WPL6	0.674"	SA-350-LF2 CL.1	CL2500			
b	SA-333-6	4"	0.674"	SA-420-WPL6	0.674"	SA-350-LF2 CL.1	CL2500			
c										
d										
e										

**HEADERS/MANIFOLDS**

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

**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	7975 PSIG	100%	N/R	1150°F	1 Hr 25 Min.	24'-0"	193.8 Sq. Ft.	8.91 Cu. Ft.
b	7975 PSIG	100%	N/R	1150°F	1 Hr 25 Min.	24'-0"	193.8 Sq. Ft.	8.91 Cu. Ft.
c								
d								
e								
f								
g								

IMPACT TESTING: EXEMPT AS PER B31.3 PARA. 323.2.2

REMARKS: (SOUR SERVICE)

**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 June 4/14 Signed *Lucy* For Kootenay Industries Ltd.  
(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 JUN 04 2014 Signed *Niranjan Nagi* AB 242 NB 12860 A, B