



MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2016-03

PARTIAL ☐

A# 705780

Manufactured By: Fourstar Resources Inc. 501-24th. Avenue, Nisku, Alberta. T9E 8P2

Manufactured For: Energera 11551 Bevington Rd, Acheson, AB T7X 6C1

Ultimate Owner: Energera 11551 Bevington Rd, Acheson, AB T7X 6C1

Location of Installation: Stock

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3	Year Built
231054V2	231054COIL-LH02	Edition 2022	2023

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a COIL 1	3270 PSIG.	300 F	-50 F	0.0625"	FSR STANDARD COIL 4 Rev. 2	T2005.2
b COIL 2	3270 PSIG.	300 F	-50 F	0.0625"	FSR STANDARD COIL 4 Rev. 2	T2005.2
c						
d						
e						

COIL

Tubes				End Closures				Openings		
				Return Bend		Flanges				
Mat'l Spec.	Diameter	Thickness	Mat'l Spec.	Thickness	Mat'l Spec.	Rating	Mat'l Spec.	Size/Type	Rating	
a	SA-333GR.6	NPS 4	0.531"	SA-420 WPL6	0.531"	SA-350 LF2 CL.1	Cl. 1500	SA-350 LF2 CL.1	NPS 3/4	Cl. 6000
b	SA-333GR.6	NPS 4	0.531"	SA-420 WPL6	0.531"	SA-350 LF2 CL.1	Cl. 1500	SA-350 LF2 CL.1	NPS 3/4	Cl. 6000
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 4905 PSIG	10%	N/A	N/A	N/A	15'-1 7/16"	99 sq.ft.	9.2 cu.ft.
b 4905 PSIG	10%	N/A	N/A	N/A	15'-1 7/16"	66 sq.ft.	6.2 cu.ft.
c							
d							
e							
f							
g							

IMPACT TESTING: IMPACT EXEMPT AS PER TABLE 323.2.2A

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 SEP 29 2023

Signed Victor Shynlar

(Representative)

For Fourstar Resources Inc.

(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, a duly authorized boiler and pressure vessel inspector employed by Alberta Boilers Safety Association (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

SEP 29 2023

Signed

Jin Li
16575 AB-461
D00009640
Safety Codes Officer