

PARTIAL

A# 674574

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

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

Ultimate Owner: T.B.A.

Location of Installation: Stock

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3		Year Built
181048	181048 COIL Rev.0	Edition	2016	2018

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a COIL 1	1135 PSIG.	600 F	-20 F	0.125"	181048COIL-CRN Rev 0	Y8483.2
b						
c						
d						
e						

COIL

	Tubes			End Closures				Openings		
	Mat'l Spec.	Diameter	Thickness	Return Bend Mat'l Spec.	Return Bend Thickness	Flanges Mat'l Spec.	Flanges Rating	Mat'l Spec.	Size/Type	Rating
a	SA-106-B	NPS 4	0.337"	SA-234WPB	0.337"					
b										
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	1703 PSIG	100%		1150°F	60 min.	28'- 5 1/4"	594 sq.ft.	40 cu.ft.
b								
c								
d								
e								
f								
g								

IMPACT TESTING: IMPACT EXEMPT AS PER TABLE 323.2.2A

REMARKS: _____

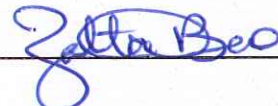
CERTIFICATE OF COMPLIANCE

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 18-Oct-18 Signed Scott Campbell  For Fourstar Resources Inc.
 (Representative) (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 OCT 24 2018 Signed  NB 16251 D00009229