



the pressure equipment safety authority

## MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2016-03

PARTIAL ☐

A# 705779

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 |
|---------------------------|--------------------------|------------------|------------|
| 231054V1                  | 231054COIL-LH01          | 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        |           |          |
|---|-------------|----------|-----------|--------------|---------|-----------------|----------|-----------------|-----------|----------|
|   | Mat'l Spec. | Diameter | Thickness | Return Bend  | Flanges | 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 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 SEP 29 2023 Signed Jin Li

Alberta Boilers Safety Association  
Jin Li  
NB 16575 AB-467  
D00009640  
Safety Codes Officer