



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

(A) No. 1255-213

Manufactured by PLAINS OIL LTD. 803 - 24 AVENUE S.E. CALGARY, ALBERTA T2G 1P5

Manufactured for MORGEN ENERGY RESOURCES LTD. 715 - 5 AVENUE S.W. CALGARY, ALBERTA T2P 2X7

Ultimate Owner AS ABOVE

Location of Installation STOCK

Mfg. Serial No. 2054 CBA Code: ASME B31.3, Edition 1996 Addenda 97

Drawing Number 2054-B401(2) Year Built 1997 Intended Service SOUR

a. Material Specifications PREHEAT SA-106B SA-105N 1500#
Coil Ends (Flanges/N.P.T.)
b. Material Specifications SA-106B SA-105N 900#
Coil Ends (Flanges/N.P.T.)

a. Diameter 88.9 Nom. Thickness 11.1 O/A Length 6490 C.A. 1.6
 b. Diameter 88.9 Nom. Thickness 7.6 O/A Length 6490 C.A. 1.6

a. Maximum Working Pressure 21057 kPa at Maximum Temperature 93 °C
 b. Maximum Working Pressure 12500 kPa at Maximum Temperature 93 °C

a. Hydrostatic Test Pressure 31586 kPa C.R.N. N 9595-213
 b. Hydrostatic Test Pressure 18750 kPa C.R.N. N 9595-213

Heating Surface 23,83 M² Radiography 100% (Random, % or Full)
 Volume 0.34m³ P.W.H.T. YES

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 Registered Design No. N 9595-213

Date 8/1/98 Signed [Signature] For PLAINS OIL LTD.
(Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, a duly authorized Safety Codes Officer employed by The Alberta Boilers Safety Association have inspected the above Heater Coils and state that, to the best of my knowledge and belief, the construction is in accordance with the Alberta Safety Codes Act and Regulations.

Date [Signature] Signed [Signature]