ABSA
the pressure equipment safety authority

MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2006-02

PARTIAL ☐

A# (A) 573887

Manufactured By: Rushton Gas & Oil Equipment Ltd. 2331-121 Ave NE Edm. T6S 1B2

Manufactured For: ARC Petroleum Inc. 2100, 440-2nd Avenue SW Calgary, Alberta T2P 5E9

Ultimate Owner: ARC Petroleum Inc. 2100, 440-2nd Avenue SW Calgary, Alberta T2P 5E9

Location of Installation: LSD:A13-27-79-14-W6M

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3				Year Built
C2784A.CB	C-2784-D Rev. 1	Edition	2004	Addenda		2007

CONSTRUCTION

	Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a	Preheat	21608 kPa	93°C	- 45°C	3.175mm	C-1273-D Rev. 0	P1236.21
b							
c	Reheat	21608 kPa	93°C	- 45°C	3.175mm	C-1273-D Rev. 0	P1236.21
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-333-GR6	114.3mm	13.487mm	SA-420-WPL6	13.487mm	SA-350-LF2 CL1	CL 1500	SA-350-LF2 CL1	26.67/21.34	CL6000
b						RTJWN			TOL	
c	SA-333-GR6	114.3mm	13.487mm	SA-420-WPL6	13.487mm	SA-350-LF2 CL1	CL 1500	SA-350-LF2 CL1	26.67/21.34	CL6000
d						RTJWN			33.4 TOL	
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	32413 kPa	100%		621°C	60 MIN	50.291m	18.058m2	0.301m3
b								
c	32413 kPa	100%		621°C	60 MIN	50.291m	18.058m2	0.301m3
d								
e								
f								
g								

IMPACT TESTING: Impact test not required per table A-1

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 July 30, 2007 Signed [signature] (Representative) For Rushton Gas & Oil Eauipment (1991) Ltd. (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

, the undersigned, a duly authorized Safety Codes Officer employed by ABSA has 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 July 30/07 Signed [signature] AB245A

COIL LAYOUT

ALBERTA BOILERS SAFETY ASSOCIATION
PROVINCE OF ALBERTA
SAFETY CODES ACT
REG. No. P-1236.2
DWG. No. C-1273-D Rev.0

	Design Press kPa	Design Temp °C
PREHEAT COIL	21608	-46/93
REHEAT COIL	21608	-46/93

ACCEPTED
AUG 31 2000
Yr. Mo. Day Signed
B. C. Desai, P. Eng.
Design Survey Engineer

PLAN LAYOUT

AEC OIL & GAS				LOCATION:	

HEATING COILS

4" SCH 160 (6 PASSES PREHEAT)
4" SCH 160 (4 PASSES REHEAT)

BY:	SCALE:	CHKD BY:	APPRD BY:	DWG NO:	REV:
N.F.	NTS			C-1273-D	0