



MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2006-02

PARTIAL

A# 581145

Manufactured By: NWP Industries Inc 4017 60th Ave Innisfail, AB T4G 1S9

Manufactured For: Murphy Oil

Ultimate Owner: Murphy Oil

Location of Installation: unknown

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3			Year Built
NWP-1474	05832-2Rev1	Edition	2006	Addenda	2008

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a Coil A	3125 psig	200F	-20F	.125"	BDD300 Rev10	P9407.213
b Coil B	3125 psig	200F	-20F	.125"	BDD300 Rev10	P9407.213
c Coil C	3125 psig	200F	-20F	.125"	BDD300 Rev10	P9407.213
d Coil D	3125 psig	200F	-20F	.125"	BDD300 Rev10	P9407.213
e						

COIL

	Tubes			End Closures			Openings			
	Mat'l Spec.	Diameter	Thickness	Return Bend		Flanges		Mat'l Spec.	Size/Type	Rating
				Mat'l Spec.	Thickness	Mat'l Spec.	Rating			
a	SA106B	3"NPS	0.438"	SA234WPB	0.438"	SA105	CL1500	NA		
b	SA106B	3"NPS	0.438"	SA234WPB	0.438"	SA105	CL1500	NA		
c	SA106B	3"NPS	0.438"	SA234WPB	0.438"	SA105	CL1500	NA		
d	SA106B	3"NPS	0.438"	SA234WPB	0.438"	SA105	CL1500	NA		
e										

HEADERS/MANIFOLDS

Purpose	Size	Shell		Ends			Openings		
		Mat'l Spec.	Thickness	Mat'l Spec.	Thickness	No	Mat'l Spec	Size/Type	Rating
f NA									
g NA									

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 4688PSIG	100%	NA	1100F	60mins	205"	60sqft	2.41cuft
b 4688PSIG	100%	NA	1100F	60mins	205"	58sqft	2.38cuft
c 4688PSIG	100%	NA	1100F	60mins	205"	60sqft	2.41cuft
d 4688PSIG	100%	NA	1100F	60mins	205"	58sqft	2.38cuft
e							
f							
g							

IMPACT TESTING: Exempt as per Table 323.2.2-Column A

REMARKS: Weight 4118 lbs empty WO#05832 PO#61-47385

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 May7,2008 Signed For NWP Industries Inc (Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, 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 2008/05/07 Signed AB#146