



the pressure equipment safety authority

MANUFACTURER'S DATA REPORT FOR INDIRECT FIRED HEATER COILS

AB-28 2006-02

PARTIAL

A# 573523

Manufactured By: NWP Industries Inc. 4017 60th Ave, Innisfail AB, T4G1S2.

Manufactured For: Murphy Oil Company, Ltd. 1700-555-4th Avenue S.W. Calgary, Alberta T2P 3E7

Ultimate Owner: Murphy Oil Company, Ltd. 1700-555-4th Avenue S.W. Calgary, Alberta T2P 3E7

Location of Installation: Murphy Oil Company, Ltd. 1700-555-4th Avenue S.W. Calgary, Alberta T2P 3E7

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3			Year Built
NWP-2117-01	100212 Rev 1	Edition	2008	Addenda	2010

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a XX-PS-100/Coil A	3375 psi	200 F	-20 F	1/8"	BDD-200 Rev 9	P-9408.213
b XX-PS-101/Coil B	675 psi	200 F	-20 F	1/8"	BDD-300 Rev 10	P-9407.213
c						
d						
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	SA-333-6	2" NPT	XXH	SA-420-WPL6	XXH	SA-350-LF2	CL 1500	N/A	N/A	N/A
b	SA-333-6	3" NPT	XH	SA-420-WPL6	XH	SA-350-LF2	CL 300	N/A	N/A	N/A
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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 5063 psi	100%	MT all welds	1150F	60 MIN	196.25"	123 sq.ft.	2.585 cu.ft.
b 1013 psi	100%	MT all welds	1150F	60 MIN	55.4375"	18.41 sq.ft.	0.552 cu.ft.
c							
d							
e							
f							
g							

IMPACT TESTING: Exempt per table 323.2.2 Col A

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: Oct 13 2010 Signed: _____

[Signature]
(Representative)

For NWP Industries Inc

(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: Oct. 13, 2010

Signed: _____

[Signature]

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