

PARTIAL

A# **A 600318**

Manufactured By: Priority Projects Ltd. 1603 - 8th Street Nisku Ab. T9E 7S7
Manufactured For: Murphy Oil Company Ltd. Suite 1700, 555 - 4th Ave. S.W. Calgary, Ab. T2P 3Y3
Ultimate Owner: Murphy Oil Company Ltd. Suite 1700, 555 - 4th Ave. S.W. Calgary, Ab. T2P 3Y3
Location of Installation: LSD: c-58-A / 93-P-9

Manufacturer's Serial No.	Construction Drawing No.	CODE: ASME B31.3			Year Built
		Edition	2008	Addenda	
6565	6565-301 Rev. 1				2010

CONSTRUCTION

Coil ID/Purpose	Design Pressure	Design Temp	Design Minimum Temp	Corrosion Allowance	Registered Drawing No.	CRN
a N1 & N2 Preheat	5031 psig.	200°F	minus 20°F	0.125"	Coil Chart	F-3319.231
b N3 & N4 Preheat	5031 psig.	200°F	minus 20°F	0.125"	Coil Chart	F-3319.231
c N5 & N6 Reheat	1350 psig.	200°F	minus 20°F	0.125"	Coil Chart	F-3319.231
d N7 & N8 Reheat	1350 psig.	200°F	minus 20°F	0.125"	Coil Chart	F-3319.231
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	3.5" O.D.	0.600"	SA234WPB	0.600"	SA105N	CL 2500			
b	SA106B	3.5" O.D.	0.600"	SA234WPB	0.600"	SA105N	CL 2500			
c	SA106B	3.5" O.D.	0.300"	SA234WPB	0.300"	SA105N	CL600			
d	SA106B	3.5" O.D.	0.300"	SA234WPB	0.300"	SA105N	CL600			
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	7547 psig.	100%	Visual	1150°F	One Hour	17'	85.5 sq. ft.	2.7 cu. ft.
b	7547 psig.	100%	Visual	1150°F	One Hour	17'	85.5 sq. ft.	2.7 cu. ft.
c	2025 psig.	100%	Visual	1150°F	One Hour	17' 10"	30.3 sq. ft.	1.49 cu. ft.
d	2025 psig.	100%	Visual	1150°F	One Hour	17' 10"	30.3 sq. ft.	1.49 cu. ft.
e								
f								
g								

IMPACT TESTING: Impact exemption per. Para. 323.2.2b

REMARKS: P.S.V. to be installed by others

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 16 SEP. 2010 Signed  For Priority Projects Ltd. (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 SEP 24 2010 Signed  ABSA