


## 5H-1203

### Reactor Feed Heater

#### Includes:

- Radiant section with coil & refractory
- Convection section with coil & refractory
- Forced draft gas burner with air blower
- Stack with transition section
- Ladders and platforms
- Burner management system w/Fuel gas train controls

#### Name Plate Details:

	BORN INC		
	PO BOX 102	TULSA, OK	74101-102
	PH: (918) 582-2186	FAX: (918) 582-5163	WWW.BORNINC.COM
ARIAL 1/4" TALL BORN JOB NO:	2 1/2" 3076	ARIAL 3/16" TALL 1/16" MAWP@DT:	400 PSIG
ITEM NO:	5H-1203	DESIGN TMT:	851 °F
CRN:	W6401.2	CORR. ALLOW.:	0.04 IN
FIELD CONTRACTOR:	MEG ENERGY	MDMT@MAWP:	-20 °F

#### Design Data:

<p><u>COIL DATA: REACTOR FEED HEATER</u></p> <p><u>DESIGN CONDITIONS:</u>          MAWP D.P.: 400 PSIG          CORROSION ALLOWANCE 0.04 INCHES          RADIOGRAPHY 100% OF 100 % WELDS          HYDROTEST 770 PSIG          STRESS RELIEVE NO          DESIGN METAL TEMP RADIANT COIL 851 °F, CONVECTION COIL 799 °F <math>\Delta</math>          RADIANT TUBE BARE SURFACE AREA 557 SQ. FT.          CONVECTION TUBE HEATING SURFACE AREA 66 SQ. FT. BARE, 1846 SQ. FT. EXTENDED          PROCESS FLUID IDENTIFICATION BITUMEN</p> <p><u>OPERATING CONDITIONS:</u>          INLET 536 °F @ 347 PSIG          OUTLET 755 °F @ 167 PSIG          DUTY 8.19 MM BTU/HR</p>
---

## Overall Equipment Layout:

