FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT #10/

#101489

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

 Manufactured and certified by OHMSTEDE I.TD., LA PORTE PLANT, 12415 HIGHWAY 225 LA PORTE, TEXAS, 77571 (Name and address of Manufacturer) 2. Manufactured for CHEVRON PHILLIPS, 1400 JEFFERSON, PASADENA, TEXAS 77501 (Name and address of Purchaser) 3. Location of installation CHEVRON PHILLIPS, 1400 JEFFERSON, PASADENA, TEXAS 77501 (Name and address) HEAT EXCHANGER LESS HEADS 728168 (CRN) (Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) OHMSTEDE LTD 1196 728168 (Drawing No.) (Drawing prepared by) (Nat'l. Bd. No.) 5. ASME Code, Section VIII, Div. 1 2004, 2006 Code Case No. Special Service per UG-120(d) Edition and Addenda (date) items 6 - 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels: (b) Overall length ft & in.: 6 Shell (a) No. of course(s): Circum, Joint (Cat. A. B. & C)
Type Full, Spot, None Eff. Long Joint (Cat. A) Heat Treatment_ Course(s) Material Thickness Eff. Diameter, in. Length ft & in. Spec./Grade or Type Nom. Corr Туре Full, Spot, None Temp. Time 9'11" 1/16" SA-516-70N 1/2" 1 SPOT 85 1 48 " I.D. 1 1/2 " 48 " I.D. 9'61/8" SA-516 70N 1/16" SPOT 85 SPOT 85 SPOT SPOT 48 " I.D. 3 ' 5 1/8 " SA-516 70N 1/16" 7. Heads: (a) SA-516 70N SA-516 70N (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp Side to Pressure Category A Hemispherical Location (Top, Thickness Radius Elliptical Conical Flat Convex Concave Type Full, Spot. None Eff. Crown Knuckle Diameter Bottom, Ends) Ralio Apex Angle Radius 1/2 " 1 1/2" X (a) F&FEXP 1/16 " 1/2" 1/16" 1 1/2 " (b) F&FEXP If removable, bolls used (describe other fastening) (Mat'l Spec. No., Grade, Size, No.) 8. Type of lacket (Describe as ogee & weld, bar, etc.) If bar, give dimensions Min. design metal temp. -20 °F at 255 psi at max. temp. (internal) · (external) (internal) (external) at test temperature of ____ °F 10. Impact test **EXEMPT PER UG 20** (Indicate yes or no and the component(s) impact tested) 11. Hydro., pneu, streems, test press. 332 Proof test Items 12 and 13 to be completed for tube sections. 12. Tubesheet: ___ 4 9/16 " 1/8" SA-516 70N 49 5/8 " . Dia., in. (subject to press.) Corr. Allow., in. Attachment (welded or boited) Stationary (Mat'l Spec. No.) Nom. thk., in. 1/8 " 49 5/8 " 4 9116" WELDED SA-516 70N Corr. Allow.. in Attachment Nom. Wk., in. Floating (Mat'l Spec No.) Dia., in. SA-214 1 1/4" 0.110 720 STRAIGHT 24' 8 3/8" 13. Tubes: Nom. thk., in. or gauge Type (Straight or U) Mat'l Spec. No., Grade or Type O.D., in. Number Items 14 - 18 Incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers. 14. Shell (a) No. of course(s): (b) Overall length (ft & in.): Circum. Joint (Cat. A. B, & C) Long. Joint (Cat. A) Heat Treatment Course(s) Material Thickness Type Full Spot None Eff. Spec/Grade or Type Corr Temo. Diameter, in. Length ft & in. Nom. Type | Full, Spot, None | Time

SA-516 Gr70

FORM U-2 (BACK)

15. He	ads: (a)				<u> </u>		0 T		(0)		(M	Aat'i Sp	ec. No., G	rade or Type) H.T	Time & Te	mp	
	4.			pec. No., Gr			Elliptica	1 Conical	Hemisphe	rical	Flat	-	Side to F	ressure		Catego	IN A	TH.
	Location (To		Thick		Crown	dius Knuckle	Ratio		Radius		Diame		Convex	Concaye		Full. Spo	t None	Eff.
	Bottom, End	5)	Min	Cotr-	- CIVAII	1211572115	-	-	-									-
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	V. **	ernal)		xteroal)					1, 5344					at tes	t tempe	rature of		^F
17. In	pact test		 -				(Indica	te yes or no ar	d the comp	ponen	nt(s) imp	act tes	sted)					
				-			P	roof test						•				
	lydro., priewi,																	
19. N	ozzles, inspec	tion, a	and safety	valve open	ngs:				Nozzle T	hicko	000	Rein	nforcement	Н	ow Alta	ched	Loca	ation
Pu	rbose (Inlet,		Diamete	r Flange			latorial	Flange	Nom.		011		Material	Nozz		Flance		Open.l
Out	et. Drain. etc.)	No.	or Size			Nozzle 106 GR B		SA-105	0.500		16"	SA-	516 Gr 70	WEL	,D	WELD_	ļ	0.0
In	let / Outlet	2	0 " 300			TOO OILD		SA-105	1.06	1/	16"					WELD		
<u></u>	Misc.	1	3" 300				-	SA-105	0.565	1/	16"			<u>.</u>	_	WELD	-	
V	ent / Drain	2	1" 6M				-	SA-105		1/	16"			·		WELD		
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20.		-	(Yes or			(No.)		(No.)				(Des	scribe)			(vviie)	B OHO TH	· · · ·)
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