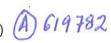
FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



1. N	Manufactured and ce	rtified b	у		Ener	flex Ltd	., 3615 3	34 th Street I	N.E. Calga	ary, AB, T1Y	6Z8				
	lanufactured for				Husky (Oil Oper	ations Lt		90, Stn D, 0	Calgary, AB,	T2P 3G7				
2 1	ocation of installatio	n				Mc		e and addres							
								(Name and	address)						
4. T	ype <u>STAG</u>	E 1 SU	CTION S	CRUBBER		<u>3</u>	1967211	No.)	V2124.213 (CRN)	31	833-V-0401 St (Drawing no.)	HT1 & 2 Rev.5	(Nat'l Bd. No		
5. T	he chemical and VESSEL CODE.	physic	al proper	ties of all pa	arts mee	et the re	guiremer	nts of mate	rial specifi	cations of the	ASME BOILE	R AND PRES	SURE		
to _		201						2714							
		ddenda	(Date)					Code Case	Nos.				e per UG 120(d)		
6. Shell: SA-106-B Matl. (Spec. No., Grade)					0.688" Nom. Thk. (in.)			Corr.	Allow. (in.)		1', 10.624" Diam. I.D. (ft. & in.)			Length (overall) (ft. & in.)	
7. S	7. Seams: SMLS			N/A10		0				TYPE 1		SPOT	70	70 1	
	Long. (Welded, Dbl.,			R.T. (Spot Eff or Full)		(%)	H.T. Temp (°F)		Time (hr)	Girth (Weld	led, Dbl.,	R.T. (Spot,	Eff No	Eff No. of Courses (%)	
8 H	Sngl., Lap, Butt) 3. Heads: (a) Matl					70.00	50	(b) Matl.	Sngl., Lap,	Butt) or Full) SA-516-70N					
· .				(Spec N	lo., Grad	le)			(5)		(S _I	ec No., Grade)			
			mum Corrosion		Crown Radius		Knuckle Radius		Elliptical Ratio	Conical Apex Angle	Hemispheri Radius	cal Flat Diamete	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	o Pressure or Concave)	
(a)	Bottom, Ends) TOP							2:1					CONCAVE		
(b)	воттом							2:1				COI	NCAVE		
_	If removable, bolts u	ısed (de	scribe oth	er fastenings)										
9. N	(Matl., Spec. No., Gr., Size, No.) NAWP 655 N/A psi at max. temp. 300 (internal) (external) (internal) (external)												N/A	°F	
	ır. İin. design metal ten										Test pressure _				
	roof Test														
10.	Nozzles, inspection	and saf	1				Mate	4-1	I None	la Thialrassa	T 5	. I Attacha	mant Dataila		
(1	Purpose (Inlet, Outlet, Drain)		Diamete or Size	CANAL CONTROL		Mate Nozzle		Flange	Nozz	le Thickness Corr.	Reinforcemer Matl.	Nozzle	nent Details Flange	Location	
	INLET			SA-10		6-B/SA- -WPB	SA-105-N				FIG UW-16.1(d		SHELL		
1	OUTLET	1	6"	RFWN	RFWN CL.300		SA-106-B		N 0.719	0.0625"		FIG UW-16.1(d	TYPE1	SHELL	
	LC/LS	1	3"	RFLWN	RFLWN CL.300			SA-105-N	0.813	0.0625"	\ 1	FIG UW-16.1(d) TYPE1	SHELL	
	TI/LG/PI/INSP	5	2"	RFWN	CL.300	SA-	106-B	SA-105-N	0.344	" 0.0625"	- 1	FIG UW-16.1(d	TYPE1	SHELL	
	INSP	1	2"	RFWN	RFWN CL.300		SA-106-B		0.344	" 0.0625"		FIG UW-16.1(d) TYPE1	HEAD	
	DRAIN	1	2"	RFWN	RFWN CL.300		6-B/SA- -WPB	SA-105-N	0.344	" 0.0625"	×570	FIG UW-16.1(d) TYPE1	HEAD	
		\			•								LIEADO ME	LDED	
11.	Supports: Skirt	(Yes or	No)	gs(No.)	Legs		(No.)	_ Other	(Desc	ribe)	Attached	(Where and	how)	
	Remarks: Manufacto														
					/NI	ama of no	art itam n	NON Non Mar		I identifying sta	mn)				
N5/N6	: RFHUB FLG, CL 300, SA- /N8A/B/N10; RFHUB FLG, 0				-193-B7.(16	NUTS, 3/4"[DIA, UNC. SA	-194-2H N7/N11	: RFBLIND FLG.	CL.300, SA-105-N.(mp) 8) STUDS, 5/8" X 4 LG				
	RVICE: SWEET	10 . 24	007.1/.00	204 DEV 4	0114.0.4	`						70 -05040 -000	<u>N PIPE AS PI</u> PHY:SPOT U		
	NST. DRAWING I STING: NO CHAR						20(f). UC	S-66(c)					APACITY: 22		
	711101110		710112		,				FIELD COI	MPLIANCE					
W	e certify that the sta	atemen	ts made ir	this report	are corr						n, and workman	ship of this ves	sel conform to		
the	ASME Code for F	ressure	e Vessels	, Section VII	I, Divisio	on 1. "U"	" Certifica	ate of Autho	rization No	28	071 expires	December	7 , 2012	·	
Da	teMay 31,	2012	C	o. name						Signed	15 10		tativo		
							(Manufac		VEIEL D INC	DECTION		(Represen	.auve)		
\/p	ssel constructed by	v		Enerfle	ex Ltd	CER	HEIGATE	OF SHOP			GARY, ALBERT	A. CANADA		1,000	
	he undersigned, I					by The	National						ate or Province	 e of	
., ,	ALBERTA					-,o				BSA		2,		ve inspected	
the	component descri				ata Rep	ort on _	JUN :	2 1 2012			state that, to th	e best of my			
	nufacturer has cons							Code, Section	on VIII, Divis	sion 1. By sign	ing this certificat	e neither the Ins	spector nor his/l	ner employer	
	kes any warranty, e		950											120 S	
	all be liable in any m				-								-		
Da	te <u>JUN 212</u>	012	Signed _	Nil	anj	horized	Inspector	7	Comr	missions	2860 A	ALBER		v, and No.)	