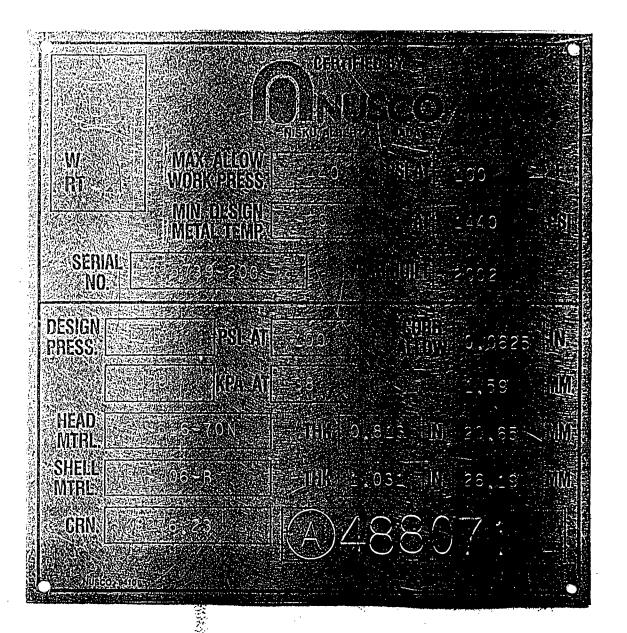


FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

. Manufactured for	Hus	sky Oil Oper	ations Ltd. 70	7-8th Avenue						
. Location of instal	lation	Husky Oil	Operations Ltd.	03-21-49-1		ame and address of p	ourchaser)			
		113311				(Name and add	dress)			
Type: Vertical Separator		005739-2		K-9276		D1227-200				
		ert. tank)	(Mfgr's serial No.) of all parts meet the requirements		(CRN)		(Drawing no.)		(Nat'l Bd. No.)	(Year built)
			ion, and workmans					NO PINESSON	2001	
									Year	
to	- 12								•	
		Addenda (Date)	1000		Code	Case Nos.			Special Service per UG	
Shell:		106-B		.031"		0.0625"		16" OD		6' - 6"
	Type-S	No., Grade)	Seamless	Thk. (in.) 100%	- '	Corr. Allow. (in.)	Type-1	m. I.D. (ft. & in.)	* Spot	th (overall) (ft. & in.)
	(Welded		R.T. (Spot or Full)	Eff. (%)	H.T. Temp (F)	Time (hr)	Girth (Welded		R.T. (Spot, Partial,	No. of Courses
	gl., Lap, I	Butt)					Sngl., Lap, E	Butt)	or Full)	
Heads: (a) Matl.			SA-516-			(b) Matl.			A-516-70N	
Lassies (Ta	- 1	Minimum	(Spec No., C	Grade) Crown	Knuckle	Elliptical	Conical	(Sp Hemispherica	ec No., Grade)	6:4-1-6
Location (To Bottom, End		Thickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	Side to Pressure (Convex or Concave)
a) TOP		0.813"	0.0625"			2:1	- 1	-	-	Concave
b) BOTTOM		0.813"	0.0625"			2:1		-		Concave
If removable, bolts	used (describe other	fastenings)				CONTRACTOR			
							I., Spec. No., Gr., S	ize. No.)	4000	
MAWP			1440			psi at max. tem		· ·	100°	·
Min. design metal			-20	°F a	1440) psi. Hydro	o., priew , errectat	# test pressure	21	60 ps
. Nozzles, inspecti	on and		penings:							,
Purpose (Inlet Outlet Drain)	No	Diam. or Size	Type	Ma		Nom. Thk.	Reinforcen Matt.	nent	How Attached	Location
V1 Inlet	1	3"	600# RFWN	SA-105N /		XXH	N/A		UW-16.1(c)	Shell
Gas Outlet	1	3"	600# RFWN	SA-105N /		XXH	N/A		UW-16.1(c)	Top Head
1 Outlet (HCL)	1	1"	TOL	SA-1		3000#	N/A		UW-16.1(a)	Shell
2 Water Outlet	1	1"	TOL	SA-1		3000#	N/A	N/A		Shell
C3 Drain	1	2"	3000# CPLG	SA-1	06 B	SCH 160	N/A		UW-16.1(c)	Btm Head
C4 LC (HCL)	1	2"	TOL	SA-1	05N	3000#	N/A		UW-16.1(a)	Shell
C5 LC (Water)	1	2"	TOL	SA-1	05N	3000#	N/A		UW-16.1(a)	Shell
SEE U4 FORM	-		-	-	0.000	-	-		•	-
. Supports: Skirt	,	Yes	Lugs -	Legs		Other	- <u> </u>	A	ttached Welded	to Bottom Head
	(Ye	s or no)	(No.)		(No.)		(Describe)		(Where and how)
. Remarks: Manufa	ecturer's	Partial Data	Reports properly id	entified and sig	ned by Commis	ssioned Inspectors	have been furnis	shed for the fol	lowing items of the	report: _
Construction Dra	wing N	lo D1317-2	n Pay n	(Name of part,		gr's name and identify I is Impact Test		2-20/6 & 110	S-66(a)	
Radiography - a						ested Vertically	Exempt per oc	3-20(1) & OC	3-00(a)	
Customers respo				e relief valve		ty 7.5 Cu. Ft.				
						V 5151 D 00145	1141105		Jan Carry Co.	
						/ FIELD COMP				
			s, Section VIII, Div				construction, and 24,775	workmanship expire	of this vessel confor	
F3.04 D						_	24.179		March 27	, 2005
Date 11 2	7 4	III Co. Nar	ne NUSCO SUE	PPLY & MAN	UFACTURIN	GINCS	ligned Lelse	my/any	er.	
					acturer)			/ 4	Representative)	
						P / FIELD INSPI				
Vessel construct			SUPPLY & MAN						RTA CANADA 1	19E 7S5
	d, hold		nmission issued by	The National B				the State or F		have inspected
Alberta	laccrib a	and employ	red by ifacturer's Data Re	nort on	Alben Hill 2	ta Boilers Safety		nat to the hor	of my knowledge a	
						J ZUM			ither the Inspector n	
									unnermore, neither	
				/					connected with this ii	
11.00 5	0. 9	007 Signed	111	1/0.		Commissio	AR#	137		
1		AME Million	/ /	· cen	49-		0.3	<u> </u>		

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Location of inst	_11_1:			707-8th Avenue SW (nan)	ne and addres	s of purcha	ser)			
	anatio	Husky C	NI Operations	Ltd. 03-21-49-	19 W5M	(name	and addre	ss)			
Туре:			Vertical		Separa	•			00573	39-200	
	(ho	riz., vert., o	sphere)		(tank, separator, h	eat exh., etc.)				erial no.)	
K-9276.23				D1227-200 Rev.0							
		CRN)			(drawing no.)			(Nat'l. Bd. no	.)	(y€	ear built)
ozzles, inspection	, and				 			 			
Purpose (Inlet, outlet: Drain, etc.)	No.	Diameter or Size	Flange Type	Nozzie Ma	lerial Flange	Nozzle J Nom.	hickness Corr.	Reinforcement Material	Nozzie	ttached Flange	Location (Insp. Open.
6 A/B LG (HCL)		3/4"	TOL	SA-105N		3000#	0.0625*		UW-16.1a		Shell
7 A/B LG (Water)		3/4"	TOL	SA-105N		3000#	0.0625		UW-16.1a		Shell
C8 PI	1	1/2"	TOL	SA-105N		3000#	0.0625*	<u> </u>	UW-16.1a	<u> </u>	Shell
C9 TI	1_	3/4"	TOL	SA-105N	<u> </u>	3000#	0.0625*	•	UW-16.1a		Shell
C10 PSHL	1	1.	TOL	SA-105N	<u> </u>	3000#	0.0625		UW-16.1a	<u> </u>	Shell
C11 HLSD	1	2*	TOL	SA-105N	ļ	3000#	0.0625*		UW-16.1a	<u> </u>	Shell
C12 PSV	1	1"	TOL	<u>SA-105N</u>	ļ	3000#	0.0625"		UW-16.1a		Shell
13 A Inspection	1	2*	TOL	SA-105N	 	3000#	0.0625		UW-16.1a	 	Shell
13 B Inspection	1	1 1/2*	TOL	SA-105N		3000#	0.0625		UW-16.1a		Top Head
		 			 		 		 		 -
· · · · · · · · · · · · · · · · · · ·	-				 	 		•	+-:		
<u> </u>		-			 		- 1	· · · · · · · · · · · · · · · · · · ·			<u>-</u>
	1				 	 					-



		CER	TIFIED B	Y		
	N	ONU	JSCC A, CANADA), ,		
W RT-2	MAX. ALLOW WORK. PRESS.	1440	PSI	AT	100	∘ F
	MIN. DESIGN METAL TEMP.	-20]°F	АТ	1440	PSI
SERIAL NO.	005739-200		YEAR BUIL	т [2002	
DESIGN PRESS. 144	PSI AT	100	1ºF	RR OW	0.0625] IN.
992	KPA AT	38	°C COI	RR OW	1.59	MM.
HEAD MTRL. S	SA-516-70N	тнк.	0.813	IN.	20.65	ММ.
SHELL MTRL.	SA-106-B	тнк.	1.031	IN.	26.19	MM.
CRN. Nusco 9480	K-9276.23					

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Husky Energy FOF 66069776 MH 6037740 My PAGE:

PAGE: 1 of 2

FACILITY	Ansel F	ield	D	ATE	Sept. 27,	200	5	REPORT #	IR0	50927N	IAWf	
				VESS	EL STATIC	DAT	ΤΔ					
Prov. Insp. #	# 4880	71	CF		276.23	<i>U</i> A !		Equip Tag #				
Equipment I			-27-049-					Serial #		5739-200)	
Equipment I			et Separa	10 100 H 100 H 100 H 100 H				Vessel Class Separator				
Manufacture								Year Built 2002				
	9929	KP	aa	@ 3	38	0	С	MDMT -29 °C				
CODE: UN					2 🛛 3 🗌	4 [PWHT: YES □ NO ☒				
Diameter	mm	Lengt	h (T/T) mi	m OAL		mm	Vertical ⊠ Horizontal □				
Shell M	lat'l SA 1	06B	Th	nickness	26.2)	mm	Corr Allowance 1.59 mm				
Head M	lat'l SA 5	Th	nickness	20.6	35	mm	Corr Allowance 1.59 mm					
Nozzle Mat'l Thickness mm Corr Allowance								mm				
Internal Coa	ating : YES	S NO	Int	ternal Clad	d: YES [10 🛛	Capacity			m ³	
Manway:	YES	S NO	In:	spection F	Port: YES	\boxtimes 1	NO 🗌	Skirt 🛛 L	.egs 🗌	Sad	dle 🗌	
Nozzle Ratio	ng 600	lb A	NSI Pa	ainted:	YES	\boxtimes	NO 🗌	Insulated	:)	/ES 🗌	NO 🛛	
					ROCESS DA	TA						
Product Des			ondensa			me 1:		Sour F	PM:	°C		
Operating P	ressure	4000		KPag	V STATIC D		ng Temper	rature 5		-0		
	Loca	ition	S	ize	Set	A APPLICATION OF THE PARTY.		Manufact	urer	Model	Service	
Serial No.			Inlet	Outlet	Pressure	SCFI	Capacity M / Lbs/Hr / GPN	1		/ Type	Date	
1059-8	Side of Sh	nell	1"	1"	9929 KPa	518	31 SCFM	Taylor			06/2002	
	1		1	INCD	ECTION HIS	TO	5V					
RBI Catego	rv A□ B[CO DO	La	ast Inspect	the state of the s	101	XI.	W.O. # //C	391	60		
Inspection Ta				spection Ty				Inspection Reason SEQA DUE				
Inspection 7	Techniques	Required	Ne	ext Inspecti	on Type V	E/L	JT	Due Date				
VE VI RT	UT MT	PT PT	П О	utstanding								
	***			INSPE	CTION SUN	MA	RY				-	
 Visual external completed as per Husky procedures and API 510. No significant findings to reports at time of inspection. Vessel is fit for service. 												
				REC	OMMENDAT	LION	15					
- Tighten leaking connections and check for thread quality if required.												
			,	REPA	URS COMP	LET	ED					
Object Name	9	Ca	ause		Dan	nage		Rep	air Acti	vity		
- No repairs were required at time of inspection.												
					SSEL STAT	rus						
Integrity St	tatus	⊠ Suit	able for	Continue	d Service	님		ite Repairs R Repairs Requi		ed 🔲	Replace	
Inventory S	Status	⊠ In se	rvice Full	y Utilized		F	Idle	Surple			Scrap	
This IR co	mpletes a th	orough in	spection.	Resched	ule as indicat	ted		Partial IR only	v. Do n	ot resche	edule	

Husky Energy PRESSURE VESSEL INSPECTION REPORT

PAGE: 2 of 2

FACILITY	Ansel Field	DATE	Sept	27, 200	5	REPORT #	IR050927MAWf			
		A STATE OF THE PARTY OF THE PARTY	PECTION O	the state of the s	And the second s					
	NONCOME	PLIANCES	OR INSPE	CTION DE	EFICIENC	IES ISSUED				
- No NCR / IDI	R issued.									
		EXTE	RNAL VISU	AL INSPE	CTION					
	And the state of t						tion of the state			
- Vessel is pair - Minor leaks e - PI / TI gauge - Level / indica	 Vessel is supported by a skirt which is securely welded to the skid. Vessel is painted with no evidence of rust or other paint damage. Minor leaks evident on an elbow, ball and check valve all at threaded connections; No other leaks noted. PI / TI gauge indicate vessel is operating within design limits. Level / indicator gauges, control valves and instrumentation all appear in good working condition. The PSV has nameplate attached displaying all required information with seal / service tag intact. 									
		EXT	RNAL NDE	EXAMIN	ATION					
	A	EXIL	TRIVAL NUC	CAMINA	ATION					
- UT is schedu	lled to be performed la	ter this ye	ar.							
		INTE	RNAL VISU	AL INSPE	CTION					
- No visual inte	ernal inspection perfor	med at this	s time.							
		INTE	RNAL NDE	EXAMIN	ATION					
- No internal N	IDE performed at this t	ime.								
			PRESSU	RE TEST						
Test Complete	ed Yes No			Yes 🗌		Test Rep	ort#			
			PECTOR C		The state of the s					
I, the undersig							the assigned task list and			
Inspectors Na	that statements was Mike Williams C		report are co		<i>represent</i> r's Signati		naings			
Inspection Cor			no I td	Date	1 3 Olyman	//-	7, 2005			
mspection col	LEAD INSPE				EDITE C					
Lead Inspecto	the state of the s	OTOROA	Signature		TOLL O	OH HAWATIC				
Vessel Inspecto			Leave "as-is"		Change to	Date 001 11,05				
PSV Inspectio			Leave "as-is"		Change to					
Office Use On		OA Datahas		.5 🗖		Sharige to	Date			
Office Use Off	Static Data Verified		,				Date			

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