FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) (3.5 8 6 4 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1.	Manufactured and certified by Bilton Welding and Manufacturing Ltd., 5815 - 37th Street, Innisfail, Alberta T4G 1S8, Canada (Name and address of Manufacturer)																				
2.																					
3.	Lo	Location of installation Husky Oil Operations 707 – 8 <sup>th</sup> Avenue SW Calgary, AB Canada T2P 3G7 LSD: 02-20-050-18 W5M (Name and address)														8 W5M					
4.	Ту	Type: Horizontal Knockout 16443 (Manufacturer's serial number)							T6580.2	16580.2 BWM-169-06 (Drawing number)						N/A 2014 (National Board number) (Year built)					
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSU CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 12010													URE VESSEI								
	to		201			,,	_		N/A (Code Case numbers)												
6.						N 3/8 inch				0.0625" (Corr. Allow.)			72 inch			[Special Service per UG-120(d)]  8 feet					
						_		thickness)				,	er diameter)		[Length			Length (ov	i (overall)]		
7.	Se	ams:	Type 1	l, dbl, sngl.,	lapp, butt)}	Spot [R.T. (Spot or Ful	R.T. (Spot or Full)]		0 Nil (Eff., %) (H.T. temp.) (		(F) Nil (Time, hr		hr)	Type 1 [Girth (welded, dbl., sngl., la		Spot [R.T. (Spot or full)]		<del></del>	70 (Eff.,%)	(No. of Courses)	
8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N (Spec. no., grade) (Spec. no., grade)																					
Location (Top, Bottom, Ends)			Minimum Thickness		Corrosion Allowance		Crow Radio		Knuckle Radius		liptical Ratio	T	Conical Apex Angle	Hemispherical Radius (inch)		Flat Diameter		Side to Pressure (Convex or Concave			
				(inch)		(inch)		(inch		(inch)				Apex Augic		, adias (men)		h)			
(a) End (b) End				0.313" .0625" 0.313" .0625"							2:1	+							Concave Concave		
If removable, bolts used (describe other fastenings)																					
9. MAWP 50 NIL psi at max temp. 100 NIL													°F								
(Internal) (External) (Internal) (External)											al)	*									
Min. design metal temp49													psi.								
10. Nozzles, inspection, and safety valve openings:														Location							
Purpose (Inlet,Outlet,Drain etc.)			No.	Diameter or Size	Туре		Mat	riai		(inc	h)	Reinforcement Material		nterial _	Attachment				(Insp. Open.)		
N1,N2 - Inlet Outlet			2	(inch) NPS 10	RFWN			Flange SA-350-LF2 CL1		Nom. 0.365"	Corr. 0.125"				Nozz UW-16			ge Veld	Heads		
N4, N5 – Pump out,			2	NPS 3	CL150 RFWN		333-6	SA-350-LF2 CL1		0.300"	0.125"	N/A					Butt V	Veld	Shell		
Truckout N3, N8, N9 – Purge gas, PIT, T/O Purge			3	NPS 2	CL150 RFWN CL150	SA-	333-6	SA-350-LF2 CL1		0.344"	0.125"	N/A					Butt V	Veld	Shell		
N6A/B, N7 LSHH/LSLL,			2	NPS 4	RFWN CL150	SA-	333-6	SA-350-LF	2 CL1	0.337"	0.125"		N/A		UW-16.1(c) Bu		Butt V	Veld	Shell		
LG/LT M1 - Manway			1	NPS 24	RFWN	SA-	333-6	SA-350-LF	50-LF2 CL1 0.375		0.125"	N/A		_	UW-16	/-16.1(c) Bu		Veld	Shell		
11. Supports: Skirt			No				Legs 0		Other	Saddl			hed	Fillet we	weld to shell						
12.		mark e repo	s: Manufac	es or no) cturer		(Number							issio	oned Inspect		e been f	,	ed for th		owing items of	
	Co	onst. I	Dwg: D241	8-201	R0, D24	418-202 F	20, D24	118-203	•	•	•					25. Volu	ime: 22	26 FT^3	3 / 6.39	M^3	
Const. Dwg: D2418-201 R0, D2418-202 R0, D2418-203-R0. PSV on piping and approved by Owner per UG-125. Volume: 226 FT <sup>3</sup> / 6.39 M <sup>3</sup> Head & shell material impacts exempt per Fig.UCS-66. Flange & pipe material impacts exempt per Fig.UCS-66(g). Bolting material impacts exempt																					
per Fig.UCS-66(c). Production impacts required per UG-84(i) to exceed 15/10 ft-lbs @ temp not warmer than -49F.  RT-4 1 spot on Circ seam and 1 spot on long seam, No RT required per UW-11(a)																					
M1: 24" RFBL CL150 SA-350-LF2 CL1, (20) 1-1/4" x 6 3/4" studs SA-193-B7M N.C threads, (40) 1-1/4" hex nuts SA-194-2HM																					
							CI	ERTIFI	CATE O	F SHO	OP/FIE	LD CO	MP	LIANCE							
														erial, constru				•		sel conform	
			ME BOILE 1gust 16, 20		D PRES	SURE V	ESSEL	CODE,	, Section \	VIII, L	ivision	1. "U"	Cert	tificate of A	uthoriz	ation Ni	ımber	33,4	170		
Date 68/12/14 Co. Name Bilton Welding and Manufacturing Ltd., Signed																					
(Manufacturer) (Représentative)  CERTIFICATE OF SHOP/FIELD INSPECTION														927							
V I,	the	unde		olding	a valid	commissi	Manu on issu	facturing	g Ltd.				at_5	5815 - 37th S ssure Vessel	Street, Inspec	Innisfail tors and	AB Tor the	34G 1St State o	8 r Provi	nce of	
h	ave	lberta inspe	ected the co	- mpon	ent desc	d by <u>AE</u> ribed in tl	is Ma	ıufactur	er's Data	Repor	t on			·····	2014					state that,	
to	the	e best	of my kno	wledg	e and be	lief, the N	/Ianufa	cturer h	as constru	cted tl	nis press			n accordance is/her emplo							
C	onc	erning	g the pressu	ire ve	ssel desc	ribed in t	nis Ma	nufactur	er's Data	Repor	t. Furth	ermore,	neit	ther the Insp	ector n	or his/he					
		-	r any person		jury or p Signe	, ,		or a loss		ınd ari	sing fro	m or co	nnec	cted with thi	-		3 1299:	5 A,B A	AB 261	<u> </u>	