

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

A 619834

1. Manufactured and certified by Enerflex Ltd., 3615 34th Street N.E. Calgary, AB, T1Y 6Z8
 (Name and address of Manufacturer)

Manufactured for HUSKY ENERGY INC., 707 - 8 AVENUE SW, Calgary, Alberta T2P 3G7
 (Name and address of Purchaser)

3. Location of installation McMullen TCP LSD: 03-35-078-25 W4M
 (Name and address)

4. Type VERTICAL PRIMARY OIL SEPARATOR 12605236 V8404.213 12605-V-0300 SHTS 1,2,3 Rev.0 588 2012
 (Horiz. or vert. tank) (Mfg'r's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2010
 Year

to 2011 2714 --
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516-70N 0.625" 0.0625" 4' 8' 6" S/S
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: TYPE 1 FULL 100 -- -- TYPE 1 SPOT 70 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, or Full) Eff (%) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.5625"	0.0625"	--	--	2:1	--	--	--	CONCAVE
(b)	BOTTOM	0.5625"	0.0625"	--	--	2:1	--	--	--	CONCAVE

If removable, bolts used (describe other fastenings) ---
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 350 N/A 250 N/A °F
 (internal) (external) psi at max. temp. (internal) (external)

Min. design metal temp. -20 °F at 350 psi. Hydro., pneu., or comb. Test pressure HYDRO AT 455 psi.
 Proof Test --

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Matl.	Attachment Details		
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	Location
					SEE U-4						

11. Supports: Skirt NO Lugs 2 Legs 3 Other N/A Attached HEAD/SHELL-WELDED
 (Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: NONE
 (Name of part, item number. Mfg'r's name and identifying stamp)

N7/N8 :HUB FLNG-CL.300 SA-105-N, STUDS, 3/4" DIA UNC -SA-193-B7M (8), NUTS 3/4" DIA UNC SA-194-2HM(16) N9A/B:BLIND FLNG-CL.300 SA-105-N, STUDS, 5/8" DIA UNC -SA-193-B7M (8), NUTS 5/8" DIA UNC SA-194-2HM(16) N10/11/12/14A:BLIND FLNG-CL.300 SA-105-N, STUDS, 5/8" DIA UNC -SA-193-B7M (8), NUTS 5/8" DIA UNC SA-194-2HM(16) N13:HUB FLNG-CL.300 SA-105-N, STUDS, 5/8" DIA UNC -SA-193-B7M (8), NUTS 5/8" DIA UNC SA-194-2HM(16) N14B:BLIND FLNG-CL.300 SA-105-N, STUDS, 5/8" DIA UNC -SA-193-B7M (8), NUTS 5/8" DIA UNC SA-194-2HM(16) N15:HUB FLNG-CL.300 SA-105-N, STUDS, 5/8" DIA UNC -SA-193-B7M (8), NUTS 5/8" DIA UNC SA-194-2HM(16)
 SERVICE: SWEET

CONST. DRAWING NO.: 12605-V-0300 SHT.1, 2, 3 REV.1 MANWAY COVER CRN # 0H7379.5C RADIOGRAPHY: SPOT UW-11(a)5b
 TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f), UCS-66(c) CUBIC CAPACITY: 128 CUBIC FEET

CERTIFICATE OF SHOP/FIELD COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>28071</u> expires <u>December 7, 2012</u> . Date <u>June 27, 2012</u> Co. name <u>Enerflex Ltd.</u> Signed <u>[Signature]</u> (Manufacturer) (Representative)	
CERTIFICATE OF SHOP/FIELD INSPECTION	
Vessel constructed by <u>Enerflex Ltd.</u> at <u>CALGARY, ALBERTA, CANADA</u> I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>ALBERTA</u> and employed by <u>ABSA</u> have inspected the component described in this Manufacturer's Data Report on <u>JUL 24 2012</u> , 20 <u>12</u> , and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer will be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date <u>JUL 24 2012</u> Signed <u>Nilanjana Nag</u> Commissions <u>12860 A.B</u> ALBERTA <u>242</u> (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)	