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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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Opsco Energy Industries Ltd., 285175 kleysen way, Rocky View, AB. T1X 0K1
2. Manufactured for HUSKY OIL OPERATION Ltd. BOX 4490, stn D, Calgary, AB. T2F 3G7
3. Location of installation Pocketknife Debolt LSD: a-081-H/94-G-6
4. Type Horizontal Separator 02-0133-01 U8462.21 V-02-0133-01-001 Rev.1 2009
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 2007 ED.
6. Shell SA-516-70N 2.25" 0.125" 4' -6" 14' -0"
7. Seams Type 1 FULL 100% 1150 F 2.25 hr Type 1 FULL 100% 2
8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N

Table with 10 columns: 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). Rows (a) HEAD and (b) HEAD.

If removable, bolts used (describe other fastenings)
9. MAWP 1350 PSI N/A at max. temp. 200 F N/A
Min. design metal temp. -20 F at 1350 PSI Hydro. test pressure 2025 PSI

Table with 9 columns: Purpose (inlet, Outlet, Drain), Number, Diameter or Size, Type, Material, Nominal Thickness, Reinforcement Material, H/w Attached, Location. Rows include GAS INLET/OUTLET/WATER OUT, HC-OUTLET, FUTURE LC, BR.CONN/PSV/FUTURE BR./TI/PI, FUTURE BR./BR./DRAIN/GAS PURGE, MANWAY.

11. Supports: Skirt N/A Lugs N/A Legs N/A Other Saddles Attached Welded to Shell

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: VOLUME: 251 Cu.ft (7.13 Cu.M) PSV Installed on N6 CONSTRUCTION DWG. NO: V-02-0133-01-001 Rev.1

Shells and Heads Impact req'd as per UCS-66(a), and Production Impact test per UCS-67(a). Matt. Impact req'd on item 101.102&103 All Other Matt. exempt per UG-20(f)(1-5)
STUDS: SA-193-B7M & NUTS: SA-194-2HM

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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 21,356 expires JULY 21, 2010
Date April 14, 2009 Co. name Opsco Energy Industries Ltd Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION
Vessel constructed by Opsco Energy Industries Ltd at CALGARY, ABERTA, CANADA
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of ALBERTA and employed by ABSA
have inspected the component described in this Manufacturer's Data Report on APR 17 2009 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL 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 shall 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 APR 17 2009 Signed [Signature] (Authorized Inspector) Commissions AB# 270 [National Board Und. endorsements], State, Province, and number]

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CERTIFIED BY

Opesco

CALGARY, ALBERTA, CAN.

MAWP	350	P.S.I./AT	200	°F
MAEWP	X	P.S.I./AT	X	°F
MDMT	20	°F/AT	350	P.S.I.
SERIAL #	02-0133-01	YEAR-BUILT	2009	
GRN	U9482.21	TAG#	V-601	
COIL# M-A-W/P	X	P.S.I./AT	X	°F
COIL# M-A-E-W/P	X	P.S.I./AT	X	°F
COIL MDMT	X	°F/AT	X	P.S.I.

PROV. REG.

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