

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

A554568

1. Manufactured and certified by Moss Fabrication Ltd. 6619 86 Avenue SE, Calgary, AB, T2C 2S4
(Name and address of manufacturer)

2. Manufactured for Husky Oil Operations Ltd. 1900, 707-8th Avenue S.W. Calgary, AB, T2P 1H5
(Name and address of purchaser)

3. Location of installation Spring Creek LSD: 13-26-21-20 W3M
(Name and address)

4. Type Horizontal 3816-1 T6407.23 R3816-1 Rev.0 n/a 2006
(Horiz. or vert., tank) (Mfg'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 I

to 2005 n/a n/a
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

5. Shell: SA516 70/SA106B 0.500"/1.00"/0.322" 0.0625" 1'-11 1/4"/7.981 9'-0"
Mat'l (Spec. No., Grade) Nom. Thk. (in.) Corr.Allow.(in.) Diam. I.D.(ft. & in.) Length (overall) (ft. & in.)

7. Seams: Type 1/SmIs Full 100 n/a n/a Type 1 Spot 70 3
Long.(Welded, Dbl., Singl., Lap, Butt) R.T.(Spot or Full) Eff.(%) H.T. Temp (°F) Time (hr) Girth.(Welded, Dbl., Singl., Lap, Butt) R.T. (Spot, or Full) Eff. (%) No.of Courses

3. Heads: (a) Mat'l. SA516 70N (b) Mat'l. SA516 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) LHS Head	3.250"	0.0625"	n/a	n/a	n/a	n/a	n/a	2'-6.875"	Flat
b) RHS Head	0.812"	0.0625"	n/a	n/a	2:1SE	n/a	n/a	n/a	Concave

f removable, bolts used (describe other fastenings) 16 Slugs 2"OD x 2 9/16"lg with 1 stud each 1 1/4"OD x 10 5/16"lg and 1 nut SA193-B7/SA1942H
(Mat'l., Spec. No., Gr., Size, No.)

MAWP: 740 n/a psi at max. temp. 740 n/a °F
(internal) (external) (internal) (external)

Min.design metal temp. -20 °F at 740 psi. Hydro., pneu., or comb. test pre: 1080 psi.

0. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	1	12"NPS	CL300 RFWN	SA106B/SA105N	0.500"	SA516 70N	UW16.1(c)	RHS Head
Outlet	1	12"NPS	CL300 RFWN	SA106B/SA105N	0.500"	n/a	UW16.1(c)	Vessel Shell
Inspection	2	2"NPS	CL300 RFWN	SA106B/SA105N	0.343"	n/a	UW16.1(c)	Sump Heads
Drain/Clean Out	2	1"	CPLG	SA105N	Cl6000	n/a	UW16.1(c)	Vessel/Sump/Shell
Drain	1	2"NPS	CL300 RFWN	SA106B/SA105N/SA234WP	0.343"	n/a	UW16.1(c)	Sump Shell
Vent/Drain	4	1"	CPLG	SA105N	Cl6000	n/a	UW16.1(c)	Vessel/Sump Shell
LG	4	3/4"	CPLG	SA105N	Cl6000	n/a	UW16.1(c)	Sump Shell
DPI/PI	4	1/2"	CPLG	SA105N	Cl6000	n/a	UW16.1(c)	Vessel Shell
LC	2	2"	CPLG	SA105N	Cl6000	n/a	UW16.1(c)	Sump Shell
PSV	1	2"NPS	CL300 RFWN	SA106B/SA105N	0.343"	n/a	UW16.1(c)	Vessel Shell
LSH	2	2"	TOL	SA105N	Cl6000	n/a	UW16.1(a)	Down Comer
Down Comer	1	2"NPS	Pipe	SA106B	0.343"	n/a	UW16.1(c)	Vessel/Sump Shell
Down Comer	2	4"NPS	Pipe	SA106B	0.674"	n/a	UW16.1(c)	Vessel/Sump Shell

1. Supports: Skirt No Lugs 2 Legs n/a Other Saddles Attached Welded to Shell
(Yes or No) (No.) (No.) (Describe) (Where and how)

2. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
Note Sump Heads material SA234WPB with minimum thickness is 0.2817 with 0.0625" corrosion side to pressure is concave
(Name of part, item number, Mfg's. name and identifying stamp)

VOLUME 35.3 cubic ft. WEIGHT 5100 lbs DESCRIPTION 24" Filter Separator
radiography as per UW 11(a) 5(b) Charpy impact not required as per UG20(f) 1-5 and UCS66©
PSV installed on piping as per UG-125 Manufactured to Moss Fabrication drawing number: V3816-1 Rev.2

CERTIFICATE OF SHOP/FIELD COMPLIANCE

I 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. 33,250 expires April 28, 2008
Date MAY - 2 2006 Co. name Moss Fabrication Ltd. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Moss Fabrication Ltd. at Calgary, Alberta, Canada
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 MAY - 2 2006
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 I. By signing this certificate either the Inspector nor his employer makes any warranty, expressed, or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his 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 MAY - 2 2006 Signed [Signature] Commissions Alberta # 11
(Authorized Inspector) (National Board (incl. endorsements), State, Prov. and No.)