TAKEN FROM MASTER DATA
REPORT BY NATIONAL BOARD

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: Hetrick Manufacturing, Inc. 130 Entrance Drive, New Kensington, PA 15068
(Name and address of Manufacturer)

2. Manufactured for: Oberon Fuels, 2223 Avenida de la Playa, Suite 120, LA Jolla, CA 92037
(Name and address of Purchaser)

3. Location of installation: Unknown
(Name and address)

4. Type: Horizontal (Horizontal or vertical tank) | 713-4749G 2 (Manufacturer's serial number) | -- (CRN) | B-6234 R3 (Drawing number) | 938 (National Board number) | 2014 (Year Built)

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

to 2011 {addenda(date)} | -- (Code Case numbers) | -- {Special Service per UG-120(d)}

6. Shell: SA516-70 (Material spec. number, grade) | .375 (Nominal thickness) | .125 (Corr. Allow.) | 3' - 5 1/2" (inner diameter) | 9' - 0" (length overall)

7. Seams: Type 1 (Long. (welded, dbl., sngl., lap, butt)) | Spot (R.T. (spot or full)) | 85 (Eff. %) | -- (H.T. temp.) | -- (Time, hr) | Type 1 (Girth. (welded, dbl., sngl., lap, butt)) | Spot (R.T. (spot or full)) | 85 (Eff.%) | 1 (No. of courses)

8. Heads: (a) SA516-70 (Material spec. number grade or type) (H.T. – time & temp) (b) SA516-70 (Material spec. number grade or type) (H.T. – time & temp)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	End	.375	.125	--	--	2:1	--	--	--	--	X	--	--	--
(b)	End	.375	.125	--	--	2:1	--	--	--	--	X	--	--	--

If removable, bolts used (describe other fastening) -- (Material spec. number grade, size, number)

9. MAWP 75 (Internal) FV (External) at max temp. 250 (Internal) 250 (External)

Min. design metal temp. -20 at 75/FV Hydro. , pneu. or comb. test pressure Hydro 98

Proof Test --

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Manway	1	24	150# SO	SA106B	SA105	.375	.125	SA516-70	(q)	UW-21 (1)	--
Inlet/Outlet	2	3	150# SO	SA106B	SA105	.300	.125	SA516-70	(q)	UW-21 (1)	--
Level/Temperature	4	2	150# SO	SA106B	SA105	.344	.125	None	(c)	UW-21 (1)	--
Outlet/Return/Vapor	3	1 1/2	150# SO	SA106B	SA105	.281	.125	None	(c)	UW-21 (1)	--

11. Supports: Skirt No (Yes or No) Lugs -- (Number) Legs 2 (Number) Others -- (Describe) Attached Shell Welded (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 the report: (List the name of part, item number, Manufacturer's name and identifying stamp)
Nozzle Attachments per Fig. UW-16.1. Impact exempt per UG-20 (f).

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 35,759 expires 4-27-2015

Date 3-6-14 Co. Name Hetrick Manufacturing, Inc. (Manufacturer) Signed [signature] (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Hetrick Manufacturing, Inc. at 130 Entrance Drive, New Kensington, PA 15068

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 --- and employed by OneCIS Insurance Company

have inspected the component described in this Manufacturer's Data Report on 03-06-2014 ,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 03-06-2014 Signed [signature] (Authorized Inspector) Commissions NB-4838A [National Board (incl endorsements) State, Province and number]