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National Board Number: 967

Mfg. Representative: Mike Adams

Date: 4-6-17

Authorized Inspector: B. H. H. H.

Date: 4-6-17

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
(Alternate 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 DRAGON ESP LTD 700 South 550 East Provo, Utah 84606  
(Name and address of Manufacturer)

2. Manufactured for GREAT WESTERN - WINDSOR, CO  
(Name and address of Purchaser)

3. Location of installation UNKNOWN  
(Name and address)

4. Type Horizontal 150489 - 00002641 REV5 967 2017  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2015 EDITION  
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA-516-70 0.375" 0.00" 95.25" 240"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

Body Flanges on Shells										Bolting		
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location		Num & Size	Bolting Material	Washer (OD, ID, thk) Washer Material
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

7. Seams TYPE 1 None 70% - TYPE 1 None 70% 2  
[Long. (welded, dbl., snl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., snl., lap, butt)] [R. T. (spot or full)] (Eff., %) (No. of courses or full)]

8. Heads: (a) Material SA-516-70 (Spec. no., grade) (b) Material SA-516-70 (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)	BURNER	0.500"	0.00"	-	-	2:1	-	-	-	CONCAVE
(b)	CONTROL	0.282"	0.00"	-	-	2:1	-	-	-	CONCAVE

Body Flanges on Heads										Bolting		
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, thk) Washer Material
(a)	-	-	-	-	-	-	-	-	-	-	-	-
(b)	-	-	-	-	-	-	-	-	-	-	-	-

9. MAWP 75 PSI - at max. temp. 200° F -  
(Internal) (External) (Internal) (External)

Min. design metal temp. -20° F at 75 PSI Hydro., ~~pressure~~ or ~~comb.~~ test pressure 98 PSI

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	
Inlet	1	4"-3000#	CPLG	SA-105	-	0.500"	0.00"	-	i	-	-
Water/Oil Lvl Contrl	2	8"-SCH100	PIPE	SA-106B	-	0.593"	0.00"	-	i	-	-
Water/Oil Outlet	2	4"-3000#	CPLG	SA-105	-	0.500"	0.00"	-	i	-	-
Water/Oil LG	4	1/2"-3000#	CPLG	SA-105	-	0.140"	0.00"	-	i	-	-
Gas Dome	1	20"-150#	RFSO	SA-106B	SA-105	0.500"	0.00"	-	j	uw21-1	-
Drain	4	3"-3000#	CPLG	SA-105	-	0.375"	0.00"	-	i	-	-
Pre-Heat Inlet/Outlet	2	1"-3000#	CPLG	SA-105	-	0.218"	0.00"	-	j	-	-

11. Supports: Skirt NO Lugs NA Legs NA Other SADDLES Attached SHELL/WELDED  
(Yes or no) (Number) (Number) (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 the report: -

(Name of part, item number, Manufacturer's name and identifying stamp)

SAFETY VALVES PROVIDED BY OTHERS, SEE ATTACHED U-4



National Board Number: 967

Mfg. Representative: [Signature]

Date: 4-6-17

Authorized Inspector: B. Haley

Date: 4-6-17

FORM U-1A (Back)

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 44,812

expires 01/14/2019

Date 4-6-17 Co. name DRAGON ESP LTD

(Manufacturer)

Signed [Signature]

(Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by DRAGON ESP LTD at 700 South 550 East Provo, Utah 84606

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by ONE CIS INSURANCE COMPANY - LYNN, MA

have inspected the component described in this Manufacturer's Data Report on 4-6-17, 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 4-6-17 Signed B. Haley  
(Authorized Inspector)

Commissions 11390  
[National Board (incl. endorsements)]

