

## 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 Superior Fabrication, Inc., 701 South Eastern, Elk City, Oklahoma, 73644, USA

(Name and address of manufacturer)

2. Manufactured for Erick Flowback, Erick, Oklahoma, USA

(Name and address of purchaser)

3. Location of Installation Unknown

(Name and address)

4. Type Horizontal 010888-3 N/A D010888-A 5525 2013  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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 to 2011

(year) [Addenda, if applicable (Date)]

2714 N/A  
(Code Case numbers) (Special Service per UG-120(d))6. Shell: SA-516-70-N 1.375 in 0 in 36" (ID) 15' 0"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))7. Seams: 1 Full 100% 1100 °F 1 hr. 23 min. 1 Full 100% 2  
[Long. (welded, dbl., sngl., lap, butt)] R.T. (Spot or Full) Eff. (%) (H.T. temp) Time (hr) [Girth. (welded, dbl., sngl., lap, R.T. (spot or full)) Eff. (%) No. of Courses]8. Heads: (a) Material SA-516-70-N (b) Material SA-516-70-N  
(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)	END	1.3054"	0	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	END	1.3054"	0	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings)

N/A

(Material spec. number, grade, size, number)

9. MAWP 1440 psi N/A at max. temp. 130 °F N/A  
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 1440 psi Hydro, pneu., or comb. test pressure HYDRO at 1872 psi

Proof test

N/A

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	
Cleanout	2	5"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Head
Gas Outlet	1	4"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
LC-Water	1	4"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell

Additional Nozzles - See Attached U-4...

11. Supports: Skirt 0 Lugs 2 Legs 0 Other 0 Attached Weld to Shell  
(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:

Shell Course by LaBarge Pipe & Steel S/N K1929-01-2

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

PSV. provided by customer per UG-125.Exempt from impact testing per UCS-66.Tested in horizontal position.For Non-Corrosive Service.Additional Remarks - See Attached U-4...

## 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 No. 29800 expires April 6, 2015Date 02/18/2013 Co. name Superior Fabrication, Inc. Signed [Signature]  
(Manufacturer) (Representative)

## CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Superior Fabrication, Inc. at 701 South Eastern, Elk City, Oklahoma, 73644, USA I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province OK, TX and employed by OneCIS Insurance Company, of Lynn, MA have inspected the component described in this Manufacturer's Data Report onFebruary 18, 2013 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 02/18/2013 Signed [Signature] Commissions 12397A, OK9, TX 1938  
(Authorized Inspector) (National Board (incl. endorsements), State, Province and number)

## FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Superior Fabrication, Inc., 701 South Eastern, Elk City, Oklahoma, 73644, USA  
(Name and address of Manufacturer)2. Manufactured for Erick Flowback, Erick, Oklahoma, USA

(Name and address of Purchaser)

3. Location of installation Unknown

(Name and address)

4. Type Horizontal N/A 010888-3  
(Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)N/A  
(CRN)D010888-A  
(Drawing number)5525  
(National Board number)2013  
(Year built)Data Report  
Item Number

Remarks

## Additional Remarks:

(2) Lift Lugs SA-36  
(1) ASME NP; SA-36  
(2) Legs SA-36

## Additional 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	
LC-Oil	1	4"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
Inlet	1	4"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
Drain	1	2"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
LO-Water	1	2"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
LO-Oil	1	2"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
PSV	1	1"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
PI	1	1"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
TI	1	1"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
RD	1	1"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell
TC	1	1"	RFLWN	N/A	SA-105	CL600	0	Integral	N/A	UW-16.1(I)	Shell

Certificate of Authorization: Type "U" No. 29800 Expires April 6, 2015Date 02/18/2013 Name Superior Fabrication, Inc.

(Manufacturer)

Signed

(Representative)

Date 02/18/2013

Signed

(Authorized Inspector)

Commissions

12397A, OK9, TX 1938

(National Board Authorized Inspector Commission number)

**FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT**

**A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1**

1. Manufactured and certified by	LaBarge Pipe & Steel Company, 1300 N. LaBarge Avenue, Wagoner, Oklahoma 74467		
	(Name and address of Manufacturer)		
2. Manufactured for	Superior Fabrication Inc.	1703 South Main	Elk City, Okla. 73644
	(Name and address of Purchaser)		
3. Location of installation	Unknown		
	(Name and address)		
4. Type:	Shell	K1929-01-1,2	N/A
	(Description of vessel part (shell, two-piece head, tube bundle))	(Mfg's serial No.)	(CRN)
	N/A	K1929	LaBarge Pipe & Steel Company
	(Nat'l. Bd. No.)	(Drawing No.)	(Drawing prepared by)
			2008
			(Year built)
5. ASME Code, Section VIII, Div. 1	2007	NONE	N/A
	Edition and Addenda (date)	Code Case No.	Special Service per UG-120(d)

Items 6 – 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

6. Shell (a) No. of course(s): 3 each (b) Overall length ft & in.: 2 @ 30' - 0"

[illegible]

7. Heads: (a) \_\_\_\_\_ (b) \_\_\_\_\_  
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

[illegible]

If removable, bolts used (describe other fastening) \_\_\_\_\_  
(Mat'l Spec. No., Grade, Size, No.)

8. Type of jacket \_\_\_\_\_ Jacket closure \_\_\_\_\_  
(Describe as ogee & weld, bar, etc.)

If bar, give dimensions \_\_\_\_\_ If bolted, describe or sketch. \_\_\_\_\_

9. MAWP                      (internal)                      (external) psi at max. temp.                      (internal)                      (external) °F Min. design metal temp.                      °F at                      psi

10. Impact test No At test temperature of NONE  
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press. Proof test \_\_\_\_\_

Items 12 and 13 to be completed for tube sections.

Stationary (Mat'l Spec. No.)	Dia., in. (subject to press.)	Nom. thk., in.	Corr. Allow., in.	Attachment (welded or bolted)
Floating (Mat'l Spec. No.)	Dia., in.	Nom. thk., in.	Corr. Allow., in.	Attachment

13. Tubes:	Mat'l Spec No., Grade or Type	O.D., in.	Nom. thk., in. or gauge	Number	Type (Straight or U)

Items 14 – 18 ind. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

4. Shell (a) No. of course(s): \_\_\_\_\_ (b) Overall length (ft & in.): \_\_\_\_\_

[illegible]

