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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 A G EQUIPMENT COMPANY 3001 WEST ALBANY STREET Broken Arrow, OK 74012
(Name and address of Manufacturer)

2. Manufactured for GE OIL AND GAS COMPRESSION SYSTEMS LLC.
(Name and address of Purchaser)

3. Location of installation UNKNOWN
(Name and address)

4. Type Vertical 15159-V7 - 15159-V7 24978 2015
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2013
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA-516 GR 70 1.250" .0625" 2'-0" O.D. 7'-6"
(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 Welded Sngl Butt Full 100% 1100 75 Min Welded Sngl Butt Full 100% 1
[Long. (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material SA-516 GR 70 (b) Material SA-516 GR 70
(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)	TOP	1.145"	.0625"	-	-	2 TO 1	-	-	-	CONCAVE
(b)	BOTTOM	1.145"	.0625"	-	-	2 TO 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 1900 PSI N/A at max. temp. 200°F N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -20°F at 1900 PSI Hydro., pneu., or comb. test pressure 2470 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	6"	RTJWN	SA-106 GR B	SA-105	.719"	.0625"	SA-516 GR 70	(*)Welded	-	-
Outlet	1	4"	RTJWN	SA-106 GR B	SA-105	.674"	.0625"	SA-516 GR 70	(*)Welded	-	-
LC LS	2	4"	TJLWN	-	SA-105	1.1875"	.0625"	SA-516 GR 70	(*)Welded	-	-
Drain, DV	2	1"	CPLG	-	SA-105	6000#	-	-	(*)Welded	-	-
TI, LG, Spare	4	3/4"	CPLG	-	SA-105	6000#	-	-	(*)Welded	-	-
Vent	1	1/2"	CPLG	-	SA-105	6000#	-	-	(*)Welded	-	-
-	-	-	-	-	-	-	-	-	-	-	-

11. Supports: Skirt YES Lugs - Legs - Other - Attached Head (b) 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: ATTACHMENTS WELDED PER UW 16.1 PSV LOCATION ELSEWHERE IN SYSTEM

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

EXEMPT FROM IMPACT TESTING PER UCS-66(b) 3RD STAGE SCRUBBER SHELL: J & M WELDING LLC S/N 95056.5



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 19485

expires 06/18/17

Date 10/12/15 Co. name A G EQUIPMENT COMPANY

(Manufacturer)

Signed

Jim Whitehead
(Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by A G EQUIPMENT COMPANY at 3001 WEST ALBANY Broken Arrow, OK 74012-1108 USA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company Lynn Mass

have inspected the component described in this Manufacturer's Data Report on 10/12/15, 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 10/12/15

Signed

A. J. Stent
(Authorized Inspector)

Commissions

NB-8432-7

[National Board (incl. endorsements)]

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

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1. Manufactured and certified by J&M Welding, LLC. 7862 South Regency Drive, Tulsa, Oklahoma 74131
(Name and address of Manufacturer)

2. Manufactured for AG Equipment Company, 3401 West Albany, Broken Arrow, Oklahoma 74132
(Name and address of Purchaser)

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

4. Type: Rolled and Welded Cylinder 95056.5
(Description of vessel part (shell, two-piece head, tube bundle)) (Manufacturer's serial No.)
242682 AG Equipment Co.
(National Board Number) (Drawing No.) (Drawing prepared by)
2013 Edition 2015
(ASME Code, Section VIII, Div. 1) (CRN) (Year built)
(Edition and Addenda (if applicable) date) (Code Case Number) (Special Service per UG-120(d))

6. Shell: (a) No. of course(s): 1 (b) Overall length (ft & in.): 7'6"

Course(s)			Material		Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length (ft. & in.)	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	2'0" OD	7'6"	SA 516 70		1-1/4"	0	1	FULL	100					

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, th)	Washer Material

(Mat'l Spec. No., Grade or Type) (H.T.-Time & Temp)										(Mat'l Spec. No., 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)														
(b)														

Body Flanges on Heads									Bolting			
Location	Type	I.D.	O.D.	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, th)	Washer Material
(a)												
(b)												

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

9. Impact test NO at test temperature of °F.
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test press. Proof test

11. Nozzles, inspection, and safety valve openings:												
Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp, Open)	
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange		

12. Identification of part(s).							
Name of part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built

13. Supports: Skirt (Yes or No) Lugs (No.) Legs (No.) Others (Describe) Attached (Where and How)

14. Remarks No design by J&M Welding, LLC.
WPS Qualified with/without PWHT.
No pressure test.

Date 8/10/15

Initial JRM
(Representative)

Date 8/10/15

Initial DMC
(Authorized Inspector)

FORM U-2A (Back)

95056.5

(Manufacturer's Serial No.)

(National Board Number)

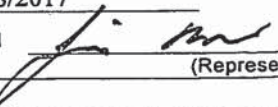
CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE Section VIII, Division 1.

U Certificate of Authorization No. 41,929

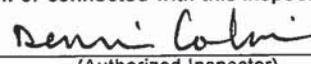
Expires 07/18/2017

Date 8.10.15 Name J&M Welding, LLC.
(Manufacturer)

Signed 
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Co. of Lynn, Massachusetts have inspected the pressure vessel described in this Manufacturer's Data Report on 8.10.15, 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 part described in this Manufacturers 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 8.10.15 Signed 
(Authorized Inspector)

Commissions 15483, A
[National Board (including endorsements)]