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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 Ameri-Fab, LLC 6364 W-IH 20 Weatherford, TX 76088
(Name and address of Manufacturer)
2. Manufactured for CCI 4500 Colony Rd. Granbury, TX 76048
(Name and address of Purchaser)
3. Location of installation Unknown
(Name and address)
4. Type Horizontal 3227-1 48X120 3P 1440 R1 63 2014
(Horizontal or vertical tank) (Manufacturer's serial No.) (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 516-70N 1.750" 0 44.50" 10' - 0" S/S
(Material spec. number, grade) (Nominal thickness, in.) (Corrosion allowance, in.) (Inner diameter in.) (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, th)	Washer Material

7. Seams: Type 1 Full 100 1150 F 1.45 hr Type 1 Full 100 1
[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)]

(a) Material <u>SA-516-70N</u>										(b) Material <u>SA-516-70N</u>			
(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	1.625"	0			2:1				Concave				
(b) End	1.625"	0			2:1				Concave				

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)												

9. MAWP 1440 120 psi at max. temp. 1872 psi.
(Internal) (External) (Internal) (External)
Min. design metal temp. -8 1440 psi. Hydro. 1872 psi.
(Internal) (External) (Internal) (External)

10. Nozzles, inspection and safety valve openings:										Proof test <u>N/A</u>	
Purpose (inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inlet, outlet, waterout	3	4" 600#	RFLWN	----	SA-105	1"	0	Inherent	----	UW-16(c)	-
oil out	1	3" 600#	RFLWN	----	SA-105	0.81"	0	Inherent	----	UW-16(c)	-
Drain, PSV	3	2" 600#	RFLWN	----	SA-105	0.655"	0	Inherent	----	UW-16(c)	-
sight glass	4	1"	EOL	SA-105	----	3000#	0	Inherent	UW-16(a)	----	-
PI, spare	2	1"	TOL	SA-105	----	3000#	0	Inherent	UW-16(a)	----	-
Water, Oil LLC	2	2"	TOL	SA-105	----	3000#	0	Inherent	UW-16(a)	----	-

11. Supports: Skirt No Lugs None Legs 2 Other 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:
Item 6-Cylinder, Greens Bayou Pipe Mill, Cert# 42546, S/N 2094-001
(Name of part, item number, Manufacturer's name and identifying stamp)

Designed per UG-22(a) only. Impact exempt per UCS 66(a). Pressure relief device by others. For non-corrosive non-lethal service

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. 42,870 expires 4-3-2015

Date 4-24-14 Co. name Ameri-Fab, LLC Signed Travis M
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Ameri-Fab, LLC at 6364 West IH-20, Weatherford, Tx. 76088. I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company of Lynn, MA have inspected the component described in this Manufacturer's Data Report on 4-23-14, 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 4-24-14 Signed [Signature] Commissions NB14120A
(Authorized Inspector) [National Board (incl. endorsements)]

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FORM R-1 REPORT OF REPAIR

in accordance with provisions of the *National Board Inspection Code*

1. Work performed by AMERI-FAB,LLC 9
(name of repair organization) (Form Registration No.)
6364 WEST- IH. 20, Weatherford, Texas. 76088 3003
(address) (PO No., Job No., etc.)

2. Owner CCI
(name)
4500 Colony rd. Granbury, Tx. 76048
(address)

3. Location of installation Unknown
(name)
n/a
(address)

4. Item identification Pressure Vessel Name of original manufacturer AMERI-FAB, LLC
(boiler, pressure vessel or piping)

5. Identifying nos.: 3227-1 63 n/a n/a 2014
(mfg. serial no.) (National Board No.) (Jurisdiction No.) (other) (year built)

6. NBIC Edition/Addenda: 2013 n/a
(edition) (addenda)

Original Code of Construction for Item: ASME section VIII Division 1 2013
(name / section / division) (edition / addenda)

Construction Code Used for Repair Performed: ASME section VIII Division 1 2013
(name / section / division) (edition / addenda)

7. Repair Type: ☒ Welded ☐ Graphite Pressure Equipment ☐ FRP Pressure Equipment

8. Description of work: ☒ Form R-4, Report Supplementary Sheet is attached ☐ FFSA Form (NB-403) is attached
(use Form R-4, if necessary)

Cut left head off,remove 2" 600#LWN flange,Install 2-SA 516-70 wave baffle plates 1/2" thick,reinstall 2"600# LWN flange.
SA-105N,refit left head,Preheat175°per NBIC part 3 table 2.5.1,welding to be done using WPS 6-IT,100% RTper original
code of construction. Pressure Test, if applied Hydro-1872 psi MAWP 1440 psi

9. Replacement Parts. Attached are Manufacturer's Partial Data Reports or Form R-3s properly completed for the following items
of this report:
n/a
(name of part, item number, data report type or Certificate of Compliance, mfg. name, and identifying stamp)
n/a

10. Remarks: Review drawing prior to fabrication, Maintain 175 degrees during welding as required, Follow WPS-6IT

CERTIFICATE OF COMPLIANCE

I, Ronald Deitz, certify that to the best of my knowledge and belief the statements in this report are correct and that all material, construction, and workmanship on this Repair conforms to the *National Board Inspection Code*.
National Board "R" Certificate of Authorization No. R-8679 expires on April 03, 2015
Date 3-18-15, Ameri-Fab, LLC Signed RJD
(name of repair organization) (authorized representative)

CERTIFICATE OF INSPECTION

I, Jonathan Cole, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of Texas and employed by One CIS insurance Company of Lynn, Ma. have inspected the work described in this report on March 18, 2015 and state that to the best of my knowledge and belief this work complies with the applicable requirements of the *National Board Inspection Code*.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date March 18, 2015 Signed Jonathan Cole Commissions 15357AR
(inspector) (National Board and Jurisdiction No.)

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FORM R-4 REPORT SUPPLEMENTARY SHEET
in accordance with provisions of the *National Board Inspection Code*

1. Work performed by AMERI-FAB, LLC R-1
(name) (Form "R" referenced)
6364 West-IH 20, Weatherford, Tx. 76088 3003
(address) (PO No., Job No., etc.)

2. Owner CCI
(name)
4500 Colony rd. Granbury, Tx. 76048
(address)

3. Location of installation n/a
(name)
n/a
(address)

Reference
Line No.

Continued from Form R- 1

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PWHT per NBIC part 3, 2.5.2.(a) Hydro. to the original code of
construction for 15 minute. WPS- AF-HT/AW-WPS-6IT

Date 3-18-15

Signed

(authorized representative)

Name

AMERI-FAB, LLC

(Name of "R" Certificate Holder)

Date 3-18 2015

Signed

(inspector)

Commissions

15357AR

(National Board and Jurisdiction No.)