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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 **Eaton Metal Products Company LLC (Pl. 3) 699 W. Quinn Rd. Bldg. 16 Pocatello ID 83201** (Name and address of manufacturer)

2. Manfactured for **Anadarko Petroleum Corp. P.O. Box 4995 The Woodlands, TX 77387-4995** (Name and address of purchaser)

3. Location of installation **Bridge Laydown yard CR 3260 Glen Bench Rd. Vernal, UT 84078** (Name and address)

4. Type **Vertical** (Horiz. or Vert., tank) **188** (Mfgr's serial No.) **N/A** (CRN) **4897-1 Rev A** (Drawing No.) **180** (Natl. Bd. No.) **2012** (Year built)

5. The chemical and physical properties of all parts meet the requirments 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** Year

to **N/A** Addenda (Date) **N/A** Code Case Nos. **N/A** Special Service per UG-120(d)

6. Shell: **SA-516-70N** Matl. (Spec. No., Grade) **2.71** Nom. Thk. (in) **0.625** Corr. Allow. (in) **7' -0"** Diam. I.D. (ft & in) **16' -0"** Length (overall) (ft & in)

7. Seams: **Buttweld** Long. (Welded, Dbl., Sngl., Lap, Butt) **Full** R.T. (Spot or Full) **100** Eff (%) **1100°** H.T. Temp (F) **2.2** Time (hr) **Buttweld** Girth, (Welded, Dbl., Sngl., Lap, Butt) **Full** RT (spot / full) **100** Eff(%) **2** No. of Courses

8. Heads: (a) Matl. **SA-516-70N** (Spec. No., Grade) (b) Matl. **SA-516-70N** (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minumum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Eliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Top	2.62	0.0625	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Bottom	2.62	0.0625	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) **None** (Mat'l., Spec. No., Gr., Size, No.)

9. MAWP **1200** (internal) **N/A** (external) psi at max. temp **200°** (internal) **N/A** (external) (F).

Min. design metal temp. **-20°** (F) at **1200** psi. Hydro., pneu., or comb. test pressure **1560** psi.

Proof test **N/A** .

10. Nozzles, inspection and safty valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.		Nozzle Thickness		Reinforcement Matl.	Attachment Details		Location (insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Gas Inlet	1	10"	RF600LWN	SA-105N	SA-105N	2.72	0.0625	Inherent	UW-16.1(d)	N/A	
Gas Outlet	1	10"	RF600LWN	SA-105N	SA-105N	1.75	0.0625	Inherent	UW-16.1(d)	N/A	
Sample	2	2"	RF600LWN	SA-105N	SA-105N	0.655	0.0625	Inherent	UW-16.1(d)	N/A	
Cleanout Manway	1	18"	RF600LWN	SA-105N	SA-105N	2.595	0.0625	Inherent	UW-16.1(i)	N/A	Shell
Drain	2	3"	RF600WN	SA-106-B	SA-105N	0.6	0.0625	SA-516-70	UW-16.1(q)	Butt Weld	
Differential Pressure	2	2"	RF600LWN	SA-105N	SA-105N	0.655	0.0625	Inherent	UW-16.1(d)	N/A	
Instrument HH Level	2	2"	RF600LWN	SA-105N	SA-105N	0.655	0.0625	Inherent	UW-16.1(d)	N/A	
Instrument Level Trans.	2	2"	RF600LWN	SA-105N	SA-105N	0.655	0.0625	Inherent	UW-16.1(d)	N/A	
Instrument Level Gauge	2	2"	RF600LWN	SA-105N	SA-105N	0.655	0.0625	Inherent	UW-16.1(d)	N/A	
Heater	1	8"	RF600LWN	SA-105N	SA-105N	2.16	0.0625	Inherent	UW-16.1(i)	N/A	

11. Supports: Skirt **Yes** (Yes or No) Lugs **N/A** (No.) Legs **N/A** (No.) Other **N/A** (Describe) Attached **Welded to bottom head** (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: **None** (Name of part, item number, Mfgr's. name and identifying stamp)

84" ID x 16' -0" S/S Sulfa Check Vessel

Material is Impact Tested Per UG-84 to -20° F

Safety Relief Device by Others

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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. **32,962**

expires **12/13/2013** .

Date 8/24/12 Co. name **Eaton Metal Products Company LLC (Pl. 3)** (Manufacturer) Signed (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by **Eaton Metal Products Company LLC (Pl. 3)** at **699 W. Quinn Rd. Bldg. Pocatello, ID 83201**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Provice of **Colorado** and employed by **H.S.B. GS**

have inspected the component described in this Manufacturers Data Report on 7/12/12 , and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor the his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his 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 8/24/12 Signed Wesley Ward (Authorized Inspector) Commissions NB10847 AN, CO.071 [Nat'l Board(inc. Endorsements), State, Prov. And No.]

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FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by **Eaton Metal Products Company LLC (Pl. 3) 699 W. Quinn Rd. Bldg. 16 Pocatello ID 83201** (Name and address of Manufacturer)

2. Manufactured for **Anadarko Petroleum Corp. P.O. Box 4995 The Woodlands, TX 77387-4995** (Name and address of Purchaser)

3. Location of installation **Bridge Laydown yard CR 3260 Glen Bench Rd. Vernal, UT 84078** (Name and address)

4. Type: **Vertical** (Horiz., vert., or sphere) **Sulfa-Check Vessel** (Tank, separator, heat exch., etc.) **188** (Mfg's serial no.)

N/A (CRN) **4897-1 Rev A** (Drawing no.) **180** (Nat'l BD. No.) **2012** (Year built)

Data Report Item Number

Remarks

PURPOSE	NO.	DIA. or Size	TYPE	MATL.		Nozzle THICKNESS		REINFORCEMENT MATERIAL	Attachment Details		LOCATION (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Wash Ring	**1**	**2"**	**RF600WN**	**SA-105N**	**SA-106-B**	**0.436**	**0.0625**	**Inherent**	**UW-16.1(i)**	**Butt Weld**	**N/A**
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Certificate of Authorization Type **U** No. **32,962** Expires **12/13**, **2013**

Date 8/24/12 Name **Eaton Metal Products Company LLC (Pl.3)** (manufacturer) Signed

Date 8/27/12 Name Wesley Ward (Authorized Inspector) Commission NB10847AN, ID.071 (Nat'l Board. endorsement, state, province and no.)

EATON METAL PRODUCTS U-4 FORM