

A 627641

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: Platinum Energy Services Corp. 7550 - 114 avenue SE Calgary, Alberta, Canada T2C 4T3
(Name and address of Manufacturer)
2. Manufactured for: Platinum Energy Services Corp. 1020-40 Avenue NE. Calgary, Alberta, Canada T2E 6Y1
(Name and address of Purchaser)
3. Location of installation Platinum Energy Services Corp. 1020-40 Avenue NE. Calgary, Alberta, Canada T2E 6Y1 *STOCK*
(Name and address)
4. Type: Vertical 21206 R3788.213 24"O.D.x7'-6" S/S ~~ 2013
(Horizontal or vertical tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year Built)
600# Rev.2
(Name and address)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to the ASME rules, Section VIII, Division 1

to 2011a ~~ ~~
{addenda(date)} (Code Case numbers) {Special Service per UG-120(d)}
6. Shell: SA516-70N 1.00" 0.125" 22" ID. 7'- 6"
(Material spec. number, grade) (Nominal thickness) (Corr. Allow.) (inner diameter) (length overall)
7. Seams: Type 1 Full 100% N/A N/A Type 1 Spot 70% 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) SA516-70N (b) SA516-70N
(Material spec. number grade or type) (H.T. - time & temp) (Material spec. number 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)	Top Head	0.9375"	0.125"	~~	~~	2:1	~~	~~	~~		X	~~	~~	~~
(b)	Bottom Head	0.9375"	0.125"	~~	~~	2:1	~~	~~	~~		X	~~	~~	~~

If removable, bolts used (describe other fastening) N/A
(Material spec. number grade, size, number)

9. MAWP 1440 psi ~~ at max temp. 100°F ~~
(Internal) (External) (Internal) (External)
Min. design metal temp. -20°F at 1440 psi Hydro test pressure 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	
Inlet	1	3" NPS	600 CI RFWN	SA106B	SA105N	0.600"	0.125"	SA516-70N	UW-16.1(c)	Type I	Shell
Outlet	1	3" NPS	600 CI RFWN	SA106B	SA105N	0.600"	0.125"	SA516-70N	UW-16.1(c)	Type I	Top Head
Drain	1	2" NPS	Smls/Cplg	*SA106B*	SA105N	0.344"	0.125"	Integral	UW-16.1(c)	~~	Bot. Head
Condensate & water out	2	2"	TOL	~~	SA105N	3000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
Aux. Cond. out. HLSD	2	2"	TOL	~~	SA105N	3000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
Inspections. PSV	3	2"	TOL	~~	SA105N	3000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
Condensate & water LC	2	2"	TOL	~~	SA105N	3000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
Condensate & water LG	4	3/4"	TOL	~~	SA105N	6000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
TI	1	3/4"	TOL	~~	SA105N	6000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell
PI	1	1/2"	TOL	~~	SA105N	6000 CI	0.125"	Integral	UW-16.1(a)	~~	Shell

11. Supports: Skirt Yes Lugs None Legs None Others No Attached Bot. Head & 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: N/A

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

Vessel Type: Vertical Separator *SA106B/ SA234WPB*
Construction Drawing: 21205-VES-01 Rev. 0 Hydro Tested in the Vertical Position Cubic Capacity: 22.3 cu.FT.
Impact Test Exemption: Exempt per UG-20(f) 1-5 & UCS-66(c)(g) Radiography: UW-11(a)5(b)

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 28,469 Expires: July 5, 2016

Date AUG 29 2013 Co. Name Platinum Energy Services Corp. Signed James C. Smith
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Platinum Energy Services Corp. at 7550 - 114 avenue SE Calgary, Alberta T2C 4T3
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Alberta and employed by ABSA
have inspected the component described in this Manufacturer's Data Report on AUG 29 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 AUG 29 2013 Signed Nilanjan Nag Commissions AB 242 NB 12860 A, B
(Authorized Inspector) [National Board (incl endorsements) State, Province and number]