

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

① 572598

1. Manufactured and certified by Platinum Energy Services Corp. 7550 - 114th Avenue SE Calgary, Alberta T2C 4T3
(Name and address of Manufacturer)
2. Manufactured for Platinum Energy Services Corp. 7550-114th Street Calgary, Alberta T2C 4T3
(Name and address of Purchaser)
3. Location of installation Platinum Energy Services 7500-114th Avenue S.E. Calgary, Alberta T2C 4T3
(Name and address)
4. Type Horizontal 15917-01 T4164.213 48-240-1440-H-S 2007
(Horiz. or vert. tank) (Mfgr's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (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 2004
Year

6. Shell: 2005 Addenda (Date) 0.125" Code Case Nos. 44" Special Service per UG 120(d) 15'0" s/s
SA-516-70N 2.00" 0.125" 44" 15'0" s/s
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Type 1 Full 100% 1125°F 130 Min Type 1 Full 100% 2
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Partial or Full Eff % No. of Courses
8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(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)	Left Head	1.90"	0.125"	-	-	2:1	-	-	-	Concave
(b)	Right Head	1.90"	0.125"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) _____ (Matl., Spec. No., Gr., Size. No.)
9. MAWP 1440 psig _____ psi at max temp. 130°F _____ °F
(Internal) (External) (Internal) (External)
Min. design metal temp. -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure HYDRO - 1872 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet/Outlet	2	8"	RFHB 600CI	SA-105N	2.16"	None	UW16.1(c)	Shell
Water Out/HC Out	2	3"	RFHB 600CI	SA-105N	1.24"	None	UW16.1(c)	Shell
Water LC/HC LC	2	3"	RFHB 600CI	SA-105N	1.24"	None	UW16.1(c)	Shell
HLSD	1	3"	RFHB 600CI	SA-105N	1.24"	None	UW16.1(c)	Shell
PSV/HC & Water Drain	3	2"	RFLWN 600CI	SA-105N	0.655"	None	UW16.1(c)	Shell
HC LG	2	1"	RFLWN 600CI	SA-105N	0.560"	None	UW16.1(c)	Shell
Water LG	2	1"	RFLWN 600CI	SA-105N	0.560"	None	UW16.1(c)	Shell
TI	1	1 1/2"	RFLWN 600CI	SA-105N	0.625"	None	UW16.1(c)	Shell
PI	1	1"	RFLWN 600CI	SA-105N	0.560"	None	UW16.1(c)	Shell
Manway	1	18"	RFHB	SA-105N	2.595"	None	UW16.1(c)	L. Head

11. Supports: Skirt No Lugs 2 Legs No Other 2-Saddles Attached Welded to Shell
(Yes or No) (No.) (No.) (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 this report: _____

(Name of part, item number, Mfgr's name and identifying stamp)
VESSEL DESCRIPTION: 48" x 15'0" Horizontal Separator PSV ON PIPE AS PER UG-125
CONST. DRAWING NO.: 15917-VES-01 Rev 0 RADIOGRAPHY: UW-11(a)
IMPACT TESTING: Completed on Items #1, 2 & 40 per UG-84 to -20°F CUBIC CAPACITY: 210 Cu Ft

CERTIFICATE OF SHOP 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. 28469 expires July 5, 2007
Date Feb 26/07 Co. name Platinum Energy Services Corp. Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by Platinum Energy Services Corp. at CALGARY, ALBERTA, CANADA
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA and employed by ABSA have inspected the component described in this Manufacturer's Data Report on FEB 26 2007, 2007, 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 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 FEB 27 2007 Signed Nilanjan Nag Commissions ALBERTA 242
(Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)