

66150867

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

586520

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 Tartan Engineering 700 - 110, 12th Avenue S.W. Calgary, Alberta
(Name and address of Purchaser)
3. Location of installation Husky Oil Operations L.S.D 06-16-47-13-W5M
(Name and address)
4. Type Horizontal 18060-01 U6151.2 48-120-1440-HS Rev B --- 2008
(Horizontal or vertical, tank) (Manufacturer's serial Number) (CRN) (Drawing number) (National Board number) (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 2007
Year

6. Shell: SA-516-70N 2.00" 0.125" 44" I.D. 10' s/s
(Material spec. number, grade) (Nominal thickness) (Corr. Allow.) (Inner diameter) (Length (overall))
7. Seams: Type 1 FULL 100% 1125°F 135 Mins 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, (Eff. % (No. of Courses or Full)]

8. Heads: (a) Material SA-516-70N (b) Material 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	1.875"	0.125"	-	-	2:1	-	-	-	Concave
(b)	Right Head	1.875"	0.125"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) _____ (Material, Spec. No., Gr., 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., pneu., or comb. test pressure 1872 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	Number	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet	1	4"	CI 600 RFHB	SA-105N	1.615"	Integral	UW-16.1(c)	Shell
Outlet/Oil Outlet	2	3"	CI 600 RFHB	SA-105N	1.24"	Integral	UW-16.1(c)	Shell
Oil/Water Bridle	4	2"	CI 600 RFLWN	SA-105N	0.655"	Integral	UW-16.1(c)	Shell/Boot
Water Out/Water Drain	2	2"	CI 600 RFLWN	SA-105N	0.655"	Integral	UW-16.1(c)	Boot
PSV	1	3"	CI 600 RFHB	SA-105N	1.24"	Integral	UW-16.1(c)	Shell
PI/PT	1	2"	CI 600 RFLWN	SA-105N	0.655"	Integral	UW-16.1(c)	Shell
Boot	1	20"	PIPE	SA-333-6/SA-516-70N	1.281"	SA-516-70N	UW-16.1(c)	Shell
Manway	1	18"	CI 600 RFHB	SA-350-LF2	2.595"	Integral	UW-16.1(c)	Left Head

11. Supports: Skirt No Lugs 2 Legs 0 Other 2 - Saddles Attached Welded to Shell
(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 this report: _____

(Name of part, item number, Manufacturer's name and identifying stamp)
VESEL DESCRIPTION: 48" x 10' s/s Horizontal Separator PSV ON PIPE AS PER UG-125
CONST. DRAWING NO.: 18060-VES-01 Rev 3 RADIOGRAPHY: UW-11(a)
IMPACT TESTING: Material on Items #1, #2 & #24 per UG-84 and Production Tested to -20°F CUBIC CAPACITY: 123.6 Cu Ft.
Boot Shell Material is SA-333-6 Head Material is SA-516-70N Min Head Thickness is 1.375" 2:1 Elliptical Ratio Side to Pressure is Concave

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, 2010
Date Nov 5/08 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 A.B.S.A. have inspected NOV 05 2008 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 NOV 05 2008 Signed [Signature] Commissions ALBERTA 270
(Authorized Inspector) (National Board, (incl. endorsements) State, Province and Number)



9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

September 05, 2008

Attention: Bob Davies
PLATINUM ENERGY SERVICES CORP
333 11 AVENUE SW SUITE 750
CALGARY, AB T2R 1L9

Re: Design registration

The design submission, tracking number 2008-06117, originally received on August 26, 2008 was surveyed and accepted for registration as follows:

CRN : U6151.2

Accepted on: September 05, 2008

Reg Type: New Design

Drawing No. : 48-120-1440-HS Rev B As Noted

Design registered in the name of : PLATINUM ENERGY SERVICES CORP

Description	MAWP	Design Temperature	MDMT
Internal Pressure	9928 kPa	38°C	-29°C

The registration is conditional on your compliance with the following notes:

- Note 15 shall be revised to indicate that the minimum avg energy shall be 15 ft lbs, with all samples having greater energies than 10 ft lbs, in accordance with Figure UG 84.1.
- In the design data box, please replace the existing text corresponding to impact testing exemptions with "See note 15."

An acceptance letter and a copy of the stamped drawing will be sent to you.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3356 or fax (780) 437-7787 or e-mail sterling@absa.ca.

Sincerely,

STERLING, CAMERON, P. Eng.
Design Survey Engineer

Platinum Energy Services Corp.
750 - 333, Eleventh Avenue SW Calgary, Alberta T2R 1L9

Date Printed: 18/09/2008

VESSEL DESCRIPTION

48" x 10'-0" x 1440# HORIZONTAL SEPARATOR

Vessel designed with Advanced Pressure Vessel, Version: 10.0.2
Vessel is ASME Code Stamped

Wind Analysis done in accordance with ASCE 7-93
Seismic Analysis done in accordance with UBC 1991

Job No: 18060
Vessel Number: 02

NAMEPLATE INFORMATION

Vessel MAWP: 1440.00 PSI at 100 °F
MDMT: -20 °F at 1440.00 PSI
Serial Number(s): 18060-01

National Board Number(s): _____
Canadian Registration Number(s): U6151.2
Year Built: 2008
Radiography: RT 1
Postweld Heat Treated: HT
Construction Type: W

Signatures


BOB DAVIES

Date: 08, 09, 18



HI

2008

18060-01

RT-L

1440

100

-20

1440

UG151.2

48" x 10' 6/3

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