

589084

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 Crimtech Services Ltd. #45, 27429 Township Road 374 Red Deer County, Alberta T4S 2H4 Canada
2. Manufactured for Laricina Energy Ltd. c/o IMV Projects Inc. Suite 1400, 500 - 5th Avenue SW Calgary, Alberta T2P 3L5 Canada
3. Location of installation Laricina Energy - Saleski SC SAGD Pilot Project - LSD 26-85-19 W4M, Alberta Canada
4. Type Horizontal 20335 V0332.2 1019033-VS-01, Rev 1 N/A 2010
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
6. Shell: SA-516 70N 0.625" 0.125" 7'-0" 20'-0"
7. Seams: Type 1 Spot 85% N/A N/A Type 1 Spot 85% 2
8. Heads: (a) Matl. SA-516 70N (b) Matl. SA-516 70N

Table with 11 columns: 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). Rows (a) Left End, (b) Right End.

If removable, bolts used (describe other fastenings) N/A
9. MAWP 50 psi 15 psi at max. temp. 482 °F 482 °F

Min. design metal temp. -20 °F at 50 psi. Hydro., pneu., or comb. test pressure 84 psi
10. Nozzles, inspection, and safety valve openings:

Table with 9 columns: Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Nominal Thickness, Reinforcement Material, How Attached, Location. Rows: Manway - M1, Outlet - N3, Water Boot - N2, PG - N7.

Additional Nozzles - See attached U-4...
11. Supports: Skirt No Lugs N/A Legs N/A Other Saddles Attached Shell - Welded

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

Construction Drawing: 1019033-VS-01, Rev. 1 Volume: 872.3 Cu Ft Service: Sweet
Customer Tag Number: V-9050 Impact Test Exempt per UG-20(f)(1) thru (5)
M1: 24 NPS Class 150 Blind, SA105N c/w 20 1.25"x7.5" Lg. Stud (NC Thrd) SA193-B7 & 48 1.25" Nut SA194-2H

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 32.207 expires November 15, 2012.

Date 01/21/10 Name Crimtech Services Ltd. Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Crimtech Services Ltd. at Red Deer County
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, the pressure equipment safety authority, have inspected the component described in this Manufacturer's Data Report on 1st 21 2010, 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 1st 21 2010 Signed [Signature] Commissions AB #261 (Authorized Inspector) [National Board (incl. endorsements), State, Province, and number]

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

① 589084

1. Manufactured and certified by: Crimtech Services Ltd. #45, 27429 Township Road 374 Red Deer County, Alberta T4S 2H4 Canada
(Name and address of Manufacturer)

2. Manufactured for: Laricina Energy Ltd. c/o IMV Projects Inc. Suite 1400, 500 - 5th Avenue SW Calgary, Alberta T2P 3L5 Canada
(Name and address of Purchaser)

3. Location of installation: Laricina Energy - Saleski SC SAGD Pilot Project - LSD 26-85-19 W4M, Alberta Canada
(Name and address)

4. Type: Horizontal High Pressure Flare Knockout Drum 20335
(Horiz., vert, or sphere) (Tank, separator, jkt, vessel, heat exch, ect.) (Mfr.'s serial No.)

V0332.2 1019033-VS-01, Rev 1 N/A 2010
(CRN) (Drawing No.) (Nat'l Board No.) (Year built)

Additional Nozzles:

Purpose (Inlet, Outlet, Drain, etc)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
LIT - Btm - N5b, N6b, Pump Out - N11	3	3 NPS	Cl. 150 WN	SA-106 B	0.3"	N/A	UW-16.1(c)	Nozzle N2
LIT - Top - N5a, N6a, Radar - N14	3	3 NPS	Cl. 150 WN	SA-106 B	0.3"	SA-516 70	UW-16.1(c)	Shell
TG - N8	1	2 NPS	Cl. 150 WN	SA-106 B	0.436"	N/A	UW-16.1(c)	Shell
Drain - N13	1	2 NPS	Cl. 150 WN	SA-106 B	0.344"	N/A	UW-16.1(c)	Nozzle N2
Inlet - N1	1	6 NPS	Cl. 150 WN	SA106 B	0.432"	N/A	UW-16.1(c)	Left Head

Certificate of Authorization: Type: U No. 32,207 Expires November 15, 2012

Date 01/21/10 Name Crimtech Services Ltd. Signed [Signature]
(Manufacturer) (Representative)

Date JAN 21 2010 Name [Signature] Commission AB # 261
(Authorized Inspector) (Nat'l Board Incl. Endorsement, State, Province and No.)