

590523

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 BROMLEY MECHANICAL SERVICES INC., A division of Argo Sales Ltd., 925 23 St. SW, Medicine Hat, Alberta T1A 8R1
(Name and address of Manufacturer)

2. Manufactured for Open Range Energy Ltd., c/o Onstream Engineering Ltd., 1260, 630 - 6th Avenue SW, Calgary, Alberta T2P 0S8
(Name and address of Purchaser)

3. Location of installation LSD: 09-34-53-20 W5M
(Name and address)

4. Type Horizontal 929159 V 0346.2 33465-REG Rev.0 n/a 2009
(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 Edition

to 2008 Addenda n/a n/a
[Addenda (date)] (Code Case numbers) (Special service per UG-120(d))

6. Shell SA516-70N 1.250" 0.0625" 60" OD 20'-0" S/S
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

7. Seams Single (Type 1) Full 100 n/a n/a Single (Type 1) Full 100 2
[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 or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material SA516-70N (b) Material SA516-70N
(Spec. no., grade) (Spec. no., grade)

Table with 10 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) and (b) show Concave side to pressure.

If removable, bolts used (describe other fastenings) 24-B7 STUD, 1 1/4" X 8" SA193, 48-2H HEX NUT, 1 1/4" SA194
(Material spec. number, grade, size, number)

9. MAWP 720 psi N/A at max. temp. 100°F N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -20°F at 720 psi Hydro. test pressure 936 psi
Proof test

10. Nozzles, inspection, and safety valve openings:

Table with 9 columns: Purpose (Inlet, Outlet, Drain), Number, Diameter or Size, Type, Material, Nominal Thickness, Reinforcement Material, How Attached, Location. Includes Manway, Boot, Inlet, Outlet, PSV, HC LSL, HC LSH & LSL, Spare(2) HC Dump, HC Crash Dump.

11. Supports: Skirt No Lugs 2 Legs 2 Other n/a Attached Shell Weld
(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 CA: 0.0625", PSV Supplied By Others Per UG125
(Name of part, item number, Manufacturer's name and identifying stamp)

Volume: 425 cu ft or 12.04 cu m, No-Impact Testing Exempt Per UG20f(1-5) & UCS66(a)(g), Construction Drawing Cad. No. 33465-VESSEL Rev.0

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 30634
expires 10/26/2010
Date Jan 15/10 Co. name BROMLEY MECHANICAL SERVICES INC., A division of Argo Sales Ltd., Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by BROMLEY MECHANICAL SERVICES INC., A division of Argo Sales Ltd., at 925 23 St. SW, Medicine Hat, Alberta T1A 8R1

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 JAN-15, 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 JAN 15/10 Signed [Signature] Commissions AB-12
(Authorized Inspector) (National Board (inc. End 658 in 661) 23840 Pre-Work Field Number) 16 - FP 2010.1.C

