

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

(A) 138997

Job # 21-2491

1. Manufactured and certified by Western Rock Bit Co. Ltd., 1026 Western Drive, Crossfield, Alta. T0M 0S0.
(Name and address of manufacturer)

2. Manufactured for Esso Resources Canada Ltd., Esso Plaza, 237 - 4th Ave. S.W., Calgary, AB T2P 0H6
(Name and address of purchaser)

3. Location of installation Joarcam Gas Plant
(Name and address)

4. Type Horizontal 28319A F398.2 8705-25D Rev.1 1987
(Horiz or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Mater. Id. 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 1986
(Year)

to 1986
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA516-70 .8415" (21.37mm) 0.625" (1.58mm) 9'0" (2743mm) 39'9" (12,116mm)
Mat. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Welded, Dbl. Butt Full 100 Nil Nil Welded, Dbl. Butt Spot (u/wlla, 5, b) 4
Long. (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) E.H. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA516-70 (b) Matl. SA516-70
(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)	Ends	.836" (21.23mm)	0.625" (1.58mm)			2:1 S.E.				Concave
(b)										

If removable, bolts used (describe other fastenings) _____
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 250 P.S.I. (1724KPa) 115°F (46°C) 375 P.S.I. (2586KPa)
psi at max. temp. °F Min. temp. (when less than -20°F) °F Hydro., pneu., or comb. test pressure

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	1	6 NPS	RFWN	SA106B&SA105	XS	SA516-70	Welded	
Outlet	1	8 NPS	RFWN	SA106B&SA105	XS	SA516-70	Welded	
Vent	1	6 NPS	RFWN	SA106B&SA105	XS	SA516-70	Welded	

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11. Supports: Skirt No Lugs No Legs No Other 2 Saddles Attached Shells - Welded
(Yes or no) (No.) (No.) (Description) (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: _____
(Name of part, item number, Mfg's name and identifying stamp)

20,500 USWG (77.59m³) LFG Storage Vessel Tag # V-320
Surface Area = 1364 ft² (127m²)
Heads formed to UCS 79

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. 13,551 expires July 19, 1989.
Date 8/10/91 Co. name Western Rock Bit Co. Ltd. Signed Kr
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Western Rock Bit Co. Ltd. at 1026 Western Drive, Crossfield, Alta.
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 Provincial Government
have inspected the component described in this Manufacturer's Data Report on Sept 1, 19 89, 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 Sept 1 Signed [Signature] Commissions [Signature]
(Authorized Inspector) (National Board (incl. endorsements), State, Prov. and Fed.)

