

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

Job # 21-3200  
 257572

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 Renaissance Energy Ltd., 2500, 801-6th Ave S.W., Calgary, Alta. T2P 3W3  
(Name and address of purchaser)

3. Location of installation LSD 4 18 32 22 West of the 4th Meridian.  
(Name and address)

4. Type Horizontal Tank 28716 A A7564.2 8606-34D Rev.1 1988  
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Inst. Bd. No.) (Year)

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

6. Shell: SA516-70 .9294" (23.61mm) Ni1 10'9" (3277mm) 55'0" (16764 mm)  
(Matl. 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% N/A N/A Welded, Dbl. Butt Spot (w/11a, 5b)\* 6  
(Long. Welded, Dbl. Butt) (R.T. (Spot or Full)) (EH, (%)) (H.T. Temp. (F)) (Time (hr)) (Grth (Welded, Dbl., Singl., Lap, Butt)) (R.T. (Spot, Parallel, 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	.543" (13.79mm)	Ni					64 1/2" (1638.5mm)		Concave
(b)										

If removable, bolts used (describe other fastenings) \_\_\_\_\_

9. MAWP 250 Psi (1724 Kpa) psi at max. temp. 115°F (46°C)  
(Matl. Spec. No., Gr., Size, No.)

Min. temp. (when less than -20°F) \_\_\_\_\_ °F. Hydro., pneu., or comb. test pressure 375 Psi (2586Kpa) psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Thick.	Attachment Matl.	How Attached	Location
Liquid In	1	3 NPS	RFWN	SA106B & SA105	XS	SA516-70	Welded	
PSV	2	4 NPS	RFWN	SA106B & SA105	XS	SA516-70	Welded	
Liquid Out	1	4 NPS	RFWN	SA106B & SA105	XS	SA516-70	Welded	

Continued on U-4 Form.

11. Supports: Skirt No Lugs Two Legs None Other 2- Saddles Attached Welded - Shells  
(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 the report:  
(Name of part, item number, Mfg's name and identifying stamp)

42,000 USWG (159.0m³) Storage Vessel \* Heads radiographed full as per customer request.  
Surface Area = 2246.8sq.ft. (208.7m²)  
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 08/9/7 Co. name Western Rock Bit Co. Ltd. Signed [Signature]  
(Manufacturer) (Representative)

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**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. 9, 1988, 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 08/9/88 Signed [Signature] Commissions Alberta  
(Authorized Inspector) (National Board (and endorsements) State, Pro. and No.)

