

1. Manufactured and certified by WELLS-HALL FABRICATION & CONSTRUCTION LTD., 6115-30 ST., EDMONTON, ALTA T6P 6F
(Name and address of manufacturer)
2. Manufactured for CANADIAN NATURAL RESOURCES LTD., 2000, 425-1ST ST. S.W., CALGARY, ALTA T2P 3L8
(Name and address of purchaser)
3. Location of installation DRAKE COMPRESSOR STATION b-74-E/94-H-1
(Name and address)
4. Type VERTICAL CONTACTOR 93-6979-0 M.2316.21 33-A-6979-3 1994
(Horiz. or vert., tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. 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. 1992
Year

6. Shell: SA-516-70MT 1.125" .125" 21.75" 32'-0"
(Mat'l. Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams: EQUIV. DBL. BUTT FULL 100 1150°F 1HR. 10MIN EQUIV. DBL. BUTT FULL 4
(Long. (Welded, Dbl., Singl., Lap, Butt)) (R.T. (Spot or Full)) (EM. (X)) (H.T. Temp. (°F)) (Time (hr)) (Girth (Welded, Dbl., Singl., Lap, Butt)) (A.T. (Spot, Partial, or Full)) (No. of)
8. Heads: (a) Mat'l. SA-516-70MT (b) Mat'l. SA-516-70MT
(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 Press (Convex or Concave)
(a)	TOP	1.082"	.125"			2:1				CONCAVE
(b)	BOTTOM	1.105"	.125"			2:1				CONCAVE

If removable, bolts used (describe other fastenings) _____

9. MAWP (9928 KPA) 1440 psi at max. temp. (54°C) 13
(Mat'l. Spec. No., Gr., Size, No.)
Min. design metal temp. (-29°C) -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure (14893 KPA) 2160

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
IN/OUT	2	4	RFLWN	SA-105N	CL. 600		WELDED	
DRAIN/PSY	2	2	PIPE/RFLWN	SA-106-B/SA-105N	1/2" CL. 600		WELDED	
LC'S/INSP	3	3	RFLWN	SA-105N	CL. 600		WELDED	SHE
COIL/IN/OUT	4	1	PIPE/RFLWN	SA-106-B/SA-105N	XXH CL. 600		WELDED	
LG'S/TI/PI	8	1	PIPE/RFLWN	SA-106-B/SA-105N	XXH CL. 600		WELDED	
3" BLINDS	2	3"	CL 600 RF BLIND, SA-105N, WITH SA-193-B7M STUDS AND SA-194-2HM NUTS					
1" BLINDS	6	1"	CL 600 RF BLIND, SA-105N, WITH SA-193-B7M STUDS AND SA-194-2HM NUTS					

11. Supports: Skirt YES Lugs _____ Legs _____ Other _____ Attached WELDED TO HEAD
(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 item the report: _____

24" OD X 32'-0" S/S X 1440 PSI VERTICAL GLYCOL CONTACTOR WEIGHT: 10 000 LBS (4536 KG)
IMPACT TESTING EXEMPT PER UG-20(f) AND UCS-660 VOLUME: 84.7 FT³ (2.40 M³)
V-300

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. 19595 expires JULY 31, 1999
Date FEB 3/94 Co. name WELLS-HALL FAB. & CONSTR. LTD. Signed George W. Wells
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by WELLS-HALL FAB. & CONSTR. LTD. at EDMONTON, ALBERTA

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 ALBERTA LABOUR, BOILER & PRESSURE VESSEL SAFETY

have inspected the component described in this Manufacturer's Data Report on FEB 3, 19 94, 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 94-2-3 Signed L. Hufar Commissions 1001639R
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Prov., and No.)

D. in 1035) C-A9-B194-A-15