

1. Manufactured and Certified By NATCO CANADA 2423 Shepard Rd, S.E., Calgary AB.
(Name and address of manufacturer)
2. Manufactured For GULF CANADA RESOURCES LTD. 2200-777-8th Ave. S.W. Calgary, AB. T2P 3R5
(Name and address of purchaser)
3. Location of Installation GILBY 150-8-28-40-4-WS **(A) 2781543**
(Name and address)
4. Type HORIZONTAL 150-8-28-40 K-6455.2 WD-5772-03 REV. 2 N/A 1991
(Horiz. Vert.) (Mfg.'s serial no.) (CRN) (DRWG. 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 1989
to 1992
Addenda (Date) Code Case Nos. Special Services per UG-120(d)
6. Shell: SA51670N .500" .125" 8'-0" 35'-0"
Matl. (Spec. No., Grade) Nom. Thick. (in.) Cor. Allow. (in.) Diam. E.D. (ft. & in.) Length (Overall) (ft. & in.)
7. Seams: DBL-V-BUTT FULL 100% 1150 45-MIN SNG-V-BUTT FULL FOUR
Long (Welded, Dbl. R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.)) Girth (Welded, Dbl. R.T. (Spot or Full) No. of Courses
Singl., Lap, Butt) Singl., Lap, Butt)
8. Heads (a) Matl. SA-516-70N (b) Matl. SA-516-70N
Matl. (Spec. No., Grade) Matl. (Spec. No., Grade)

Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Max Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) <u>FRONT HEAD</u>	<u>.740"</u>	<u>.125"</u>			<u>2:1 SE</u>				<u>CONCAVE</u>
(b) <u>COAL HEAD</u>	<u>.615"</u>	<u>.125"</u>			<u>2:1 SE</u>				<u>CONCAVE</u>

- If removable, bolts used (describe other fastenings) _____
(Matl., Spec. No., Gr., Size, No.)
9. MAWP 75 psi at max. temp 250 °F
Min. design metal temp. +5 °F at 75 psi Hydro. pneu., or comb. test pressure 113 psi
10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Matl.	Reinforcement	How Attached	Where
<u>SEE ATTACHED U-4 FORM</u>						

11. Supports: Skirt NO Lugs NO Legs NO Other SADDLES Attached BOTTOM-WELDED
(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)
150-8-28-40 VEH-CWW DUAL POLARITY TREATER VOLUME 1860 CU FT
VESSEL DESIGN PER UCS-66a(3) NO IMPACT TESTING REQUIRED

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. 11313 expires Sept 9, 1992

Date 30 MAR 92 Co. Name NATCO CANADA SIGNED [Signature] (R.K. LEACH)
(Manufacturer) (Representative)

Vessel constructed by NATCO CANADA at CALGARY, 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 GOVERNMENT OF ALBERTA

have inspected the component described in this Manufacturer's Data Report on MARCH 30, 1992, 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 the 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 42-03-30 Signed [Signature] Commissions ALTA
(Authorized Inspector) (Nat'l Board (incl. endorsement), State, Prov. and No.)

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

(A)2781543

1. Manufactured By Natco Canada 9423 Shepard Rd. S.E. Calgary AB. T2C-1E2
(Name and address of manufacturer)
2. Manufactured For SUE CANADA RESOURCES LTD. 2200-777-8th Ave. S.W., Calgary, AB. T2P 3P5
(Name and address)
3. Location of Installation GILBY LSD-8-28-40-4-W5
(Name and address)
4. Type HORIZONTAL TREATER Vessel Number L-8-340 **K-64552** HD-5772-03 Rev.2
(Horiz.Vert.) (Tank, etc.) (Mfg. serial) (CRN) (Dwg. Rev.)

Year Built 1992

Data Report
Item Number

Purpose	No.	Size	Thick.	Mat'l	Thick.	Ref. Mat	How	Where
INLET	N1	6"	RFWN	SA106B	.452"		WELD	SHELL
OIL OUT	N2	3"	RFWN	SA106B	.438"		WELD	SHELL
T.W. OUT	N4	3"	RFWN	SA106B	.438"		WELD	SHELL
DRAINS	N6&7	3"	RFWN	SA106B	.438"		WELD	SHELL
ENT. BUSHINGS	N14&15	3"	RFWN	SA106B	.438"		WELD	SHELL
SLUDGE DRAIN	N17	3"	RFWN	SA106B	.438"		WELD	SHELL
F.W. OUT	N3	4"	RFWN	SA106B	.438"		WELD	SHELL
GAS OUT	N5	4"	RFWN	SA106B	.438"		WELD	SHELL
L.L.S.D.	N11	4"	RFWN	SA106B	.438"		WELD	SHELL
L.L.C. OIL	N12	4"	RFWN	SA106B	.438"		WELD	SHELL
H.L.S.D.	N16	4"	RFWN	SA106B	.438"		WELD	SHELL
RELIEF CONN.	N18	4"	RFWN	SA106B	.438"		WELD	SHELL
ANODES	N1-4	4"	RFWN	SA105	.750"		WELD	SHELL
F.W.I.L.C.	N10A/B	2"	RFWN	SA106B	.343"		WELD	SHELL
T.W.I.L.C.	N13A/B	2"	RFWN	SA106B	.343"		WELD	SHELL
SAMPLE	N21-26	2"	RFWN	SA106B	.343"		WELD	SHELL
TEMPERATURE IND.	N27	2"	RFWN	SA106B	.343"		WELD	SHELL
LEVEL GAUGE	N28-33	2"	RFWN	SA106B	.6000"		WELD	SHELL
PRESSURE IND.	N34	2"	RFWN	SA106B	.343"		WELD	SHELL
TEMPERATURE IND.	N35	2"	RFWN	SA106B	.343"		WELD	SHELL
THERMOSTAT	N36&37	2"	RFWN	SA106B	.343"		WELD	SHELL
GAS PREHEAT	N38&39	2"	RFWN	SA106B	.343"		WELD	HEAD/SHE
PILOT PREHEAT	N40&41	2"	RFWN	SA106B	.343"		WELD	HEAD/SHE
MANWAY	M1	24"	FAB'D	SA106B	.500"		WELD	HEAD
MANWAY	M2	24"	FAB'D	SA106B	.500"	SA51670	WELD	SHELL
FIRETUBE	F1&2	18"	FAB'D	SA51670	.625"		WELD	HEAD
SCRUBBER DOME	M3	16"	FAB'D	SA51670	.625"		WELD	SHELL

Date 30 MAR 92 Natco Canada Signed RK R. Leach
Manufacturer

Date 92-03-30

Authorized Inspector's Signature [Signature]

Commissions [Signature]
Netl. Board, State, Province and No.

Shop Order Number 5772-03