

3151394

1. Manufactured and certified by IPC, Div. of Kvaerner Process Systems Inc. 5430 30 St SE, Calgary AB T2C 1G2
 (Name and address of manufacturer)

2. Manufactured for Canadian Natural Resources Ltd. 200 425 1st St. S.W. Calgary, Alberta T2P 3L8
 (Name and address of purchaser)

3. Location of installation South Buick Creek B.C. LSD D-78-1194-A-11
 (Name and address)

4. Type Horizontal (HORIZ. or VERT. tank)
 (Mfg's serial No.) 95-1699 (CRN) *N-0617.21 (Drawing No.) D-1699-09-01 Rev. 10 N/A 1995 (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

to 1994 Address (date) N/A Code Case Nos. N/A Special service per UG-120(g) 40'-0" SIS

6. Shell: SA51670N (Mat. Spec. No., Grade) 0.375" (Nom. Thk. (in)) 0.0625 (Corr. Allow. (in)) 9'-11'-2.5" (Diam. I.D. (ft. & in.)) 40'-0" SIS (Length (overall) (ft. & in.))

7. Seams: Sngl. B Weld (Long. (Welded, Dbl., Sngl. Lap, Butt)) Full* (R.T. (Spot or Full)) 1175 (H.T. Temp (°F)) 1 (Time (hr)) Sngl. B Weld (Grth (Welded, Dbl., Sngl. Lap, Butt)) *Full (R.T. (Spot, Partial, or Full)) 4 (No. of Courses or Full) SA51670N (Spec. No., Grade)

8. Heads: (a) Matl. SA51670N (Spec. No., Grade) (b) Matl. N/A

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) Firetube End	0.530"	0.0020"	114"	7.250"	N/A	N/A	N/A	N/A	Concave
(b) Outlet End	0.494"	0.0020"	114"	7.250"	N/A	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) N/A

9. MAWP: 7.5 °F at 75 psia 113 psia (Matl. Spec. No., Gr., Size, No.) 250 °F (at max. temp) 113 psia (at hydro. test, or corr. 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
See Attached U.A. Form								

11. Supports: Skirt No Legs 2 Lugs N/A Other 2 Saddles Attached Welded to W. Pad / Shell (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

VOLUME 3308 GUPF WEIGHT 66000 lbs TAG TD-1040-5-00 (Name of part, item number, Mfg's name and identifying stamp)

UWH1A Cherry Insect not required. UG9419 201 (1-5)

Serial CRN # A-3082-3 Trawler

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. 1554 expires Nov. 12, 1997

Date 24/1/96 Co. name IPC, Div. Kvaerner Process Systems Inc. Signed [Signature] (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by IPC, Div. of Kvaerner Process Systems Inc. at Calgary, Alberta, Canada

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 Boilers Safety Association

have inspected the component described in this Manufacturer's Data Report on 24/1/96, 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 24/1/96 Signed [Signature] (Authorized Inspector) Alberta 55(R) (National Board/and endorsements) State Prov. and No.)

(A) 3151394

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

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2. Manufactured for Canadian Natural Resources Ltd. 200 425 1st St. S.W. Calgary, Alberta T2P 3L8

3. Location of installation South Buick Creek B.C. LSD D-78-1/94-A-11

4. Type: Horizontal Treater 95-1699
(Tank, separator, heat exch., etc.) (Mfg's. serial No.)
N-0617-21/A-3082.3 D-1699-09-01 Rev. 2 ID N/A 1995
(CRN) (Drawing No.) (Year built)

Data Report Item Number _____
REMARKS _____

Purpose (Inlet, Outlet, Dm)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
N1 Pro. Inlet	1	8"	RFWN	SA106B	0.375"	N/R	Welded	Shell
N2 Vessel Drain	2	3"	RFWN	SA106B	0.437"	N/R	Welded	Shell
N4 L LSD	1	4"	RFWN	SA106B	0.6740"	N/R	Welded	Shell
N5 PI	2	2"	RFWN	SA106B	0.342"	N/R	Welded	Shell/Head
N6 TI	2	2"	RFWN	SA106B	0.342"	N/R	Welded	Shell/Head
N7 TC	1	2"	RFWN	SA106B	0.342"	N/R	Welded	Shell
N8 HTSD	1	2"	RFWN	SA106B	0.342"	N/R	Welded	Shell
N10 Anode	8	4"	RFLWN	SA106N	0.76"	N/R	Welded	Shell
N11 Mi Volt	1	4"	RFWN	SA106B	0.974"	N/R	Welded	Shell
N16 Sample	8	2"	RFWN	SA106B	0.342"	N/R	Welded	Head
N18 Relief	1	6"	RFWN	SA106B	0.863"	N/R	Welded	Shell
N17 Gas Out	1	4"	RFWN	SA106B	0.437"	N/R	Welded	Shell
N18 MLSD	1	4"	RFWN	SA106B	0.437"	N/R	Welded	Shell
N19 Oil LC	2	2"	RFWN	SA106B	0.342"	N/R	Welded	Head
N20 H2O LC	3	2"	RFWN	SA106B	0.342"	N/R	Welded	Head
N21 LG	4	2"	RFWN	SA106B	0.342"	N/R	Welded	Head
N22 H2O Out	1	6"	RFWN	SA106B	0.562"	N/R	Welded	Head
N23 Oil Out	1	6"	RFWN	SA106B	0.562"	N/R	Welded	Head
N24 Dr. Off	1	2"	RFWN	SA106B	0.342"	N/R	Welded	Head
N25 Grfd	1	4"	RFWN	SA106B	0.437"	N/R	Welded	Shell
M1 M2 Manway	2.00	24"	RFWN	SA106B	0.375"	SA51870	Welded	Shell

Certificate of Authorization Type U No. 15544 Expires Nov 12, 1997

Date 20/1/96 Name IPC, Kvaerner Process Systems Signed _____
 Date 960124 Name _____ Co-Mission _____
 (Manufacturer) (Authorized Inspector) (Representative)

ALBERTA 55(P)
 (Natl Board/incl endorsements, State, Province and No.)