# VISUAL INSPECTION REPORT – PRESSURE VESSEL

| ☐ Installation ☒ External | | | | | | | | | | Report #: VEET30Jun2016m |
|---|---|---|---|---|---|---|---|---|---|---|
| **Date:** | June 30, 2016 | | **Description:** | ☒ Vessel ☐ Exchanger ☐ Furnace ☐ Boiler | | | | | | |
| **Inspector:** | Ed Tymensen | | **Unit #:** | | | | **Equip #:** | | | |
| **Agent Co:** | Streamline Inspection | | **Equip. Name:** | Glycol Contactor | | | | | | |
| **Owner:** | CNRL | | **Jurisdiction #:** | A2551443 | | | **CRN #:** | H7358.2 | | |
| **Region:** | | | **Manufacturer:** | Wells-Hall Fabricaation | | | **Certified By:** | | | |
| **Area:** | Jenner North | | **Year Built:** | 1989 | | | **S/N:** | 89-4701-0 | | |
| **Facility:** | Jenner North Comp Stn | | **Location/LSD:** | 16-24-023-13w4m | | | **Capacity:** | | | |
| **Service (Shell Side)** | ☒ Sweet ☐ Sour ☐ Other | RT: 1 | HT: | **MAWP** | 1440 psi | **Design T** | 35 F to 130 F | **MDMT** | | |
| **Service (Tube Side)** | ☐ Sweet ☐ Sour ☐ Other | RT: | HT: | **MAWP** | | **Design T** | | **MDMT** | | |

| **PSV Data** | Set P | Capacity | CRN | Tag # | S/N | Manufacturer | T / F | In. Sz | Out. Sz | IV | CSO | PSV Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Shell Side** | 899psi | 7103scfm | OG8841.5CR1 | 39459B | C029187 | Mercer | ☒ T ☐ F | 1.5" | 2" | No | | Shell |
| **Tube Side** | | | | | | | ☐ T ☐ F | | | | | |
| **Other** | | | | | | | ☐ T ☐ F | | | | | |
| **Serv. Co.** | Unified Valve | | | | Last Serv. Date | 21-Oct-2014 | | Comments | | Seal Wire Intact | | |

| **Components** | | Material | Nominal | CA | Comments |
|---|---|---|---|---|---|
| | **Shell** | | | | |
| | **Head** | | | | |
| | **Channel** | | | | |
| | **Tube** | | | | |
| | **Other** | | | | Specify: |

| | | | | |
|---|---|---|---|---|
| **Foundation** | ☐ Concrete ☐ Gravel ☐ Timbers ☒ Steel ☐ Other: | | | Condition Acceptable |
| **Support** | ☐ Saddle | ☐ Seal-welded | ☐ Free to Move | Condition |
| | ☒ Skirt | ☒ Free of debris Comment: No UT Access | | Condition Acceptable Bolted to floor, secure |
| | ☐ Hangers | ☐ Secure Comment: | | Condition |
| | ☐ Other | Specify: | | Condition |
| **Orientation** | ☐ Hor. ☒ Ver. | Dimensions: | Diameter:24" Height: 28' Length: | Electrical grounding ☐ Direct ☒ Indirect ☐ None |
| **Ext. Surface** | ☒ Painted ☐ Insulated ☐ Fire-proofed ☐ Cladded ☐ Other: | | | Condition Acceptable |
| **Ext. Fixtures** | ☐ Ladder ☐ Platform(s) ☐ Other: | | | Condition |
| **Inspection Opening** | ☐ Manway ☐ Port ☐ Other | Size: | ☐ Reinforcement Pads used | ☐ Weep Holes Present |
| | Comment | | | |
| **Davit Arm** | ☐ Present | ☐ Greased | ☐ Double Nutted | Condition |
| **Bolting** | ☐ Short Bolting Noted | ☒ Joined Per Code | Comments: | |

| | | | | | |
|---|---|---|---|---|---|
| **Piping** | ☒ PSV | ☒ Supported | ☒ Drains Properly | ☒ Well Coated | Comment Acceptable |
| | ☒ Inlet | ☒ Supported | ☒ Free from leaks | ☒ Well Coated | Comment Acceptable |
| | ☒ Outlet | ☒ Supported | ☒ Free from leaks | ☒ Well Coated | Comment Acceptable |
| | ☒ Drain | ☒ Supported | ☒ Free from leaks | ☐ Well Coated | Comment Acceptable |
| | ☒ Instrumentation | ☒ Supported | ☒ Free from leaks/kinks | | Comment Acceptable |
| | ☒ Process Fluid Identified | | ☒ Flow Direction Marked | | Comment Acceptable |
| **Valves** | ☒ Manual Valves | | ☒ Free from leaks | | Comment Acceptable |
| | ☒ Automated Control Valve | | ☒ Free from leaks | | Comment Acceptable |
| | ☒ Vents and Drain plugged | | Comment Acceptable | | |
| **Protective Devices** | ☒ Service Tags Present ☒ Calibration Current | | Comments: Seal wire intact | | |
| **Gauges** | ☒ Pressure | Reading: 0 psi | Condition Acceptable | clear and legible | |
| | ☒ Temperature | Reading: 70F | Condition Acceptable | clear and legible | |
| **Sight Glass** | ☒ Fluid Level | Reading: 0% | Condition Acceptable | clear and legible | |

| **Inspection Summary** | Vessel not in operation at time of inspection, but is to be put back into service.<br>Data plate secure and legible.<br>PSV seal wire intact, set below MAWP, vents to flare header.<br>UT inspection completed by Streamline Inspection June 2016 - see UT corrosion survey report for details.<br>No inspection port in skirt.<br>Vessel through roof seal failure - no corrosion noted as a result. |
|---|---|

| **Recommended Actions:** | **NCR** |
|---|---|
| Consider re-sealing vessel through roof. | |
| Cut inspection port in skirt to allow for a full UT of bottom head / drain | |
| | |

| **VESSEL STATUS** | |
|---|---|
| Integrity Status | Suitable for Continued Service ☒ Yes ☐ No ☐ Immediate Repairs Required ☐ Future Repairs Required ☐ Replace |
| Inventory Status | ☒ In Service ☐ Out of Service ☐ Surplus ☐ Scrap |

Recommended Inspection Interval: 5 yrs.

Recommended PSV Interval: 3 yrs.

IPV/IBPV Certificate #: 000711 API 510 Certificate #: 27479 PEI Certificate #:

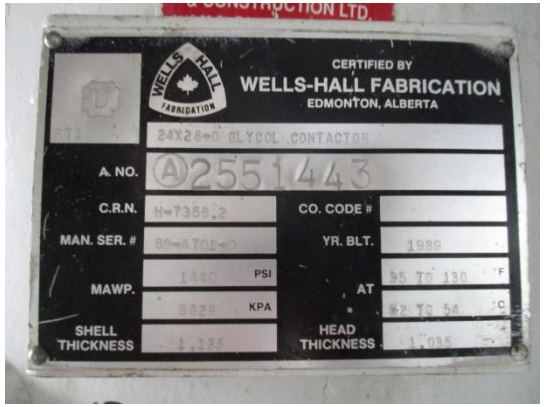
Signature of In-Service Inspector: 

***Recommended inspection intervals are based off of the current inspection***

STREAMLINE INSPECTION LTD.

**INSPECTION PHOTOGRAPHS**


LSD SIGN




DATAPLATE

VESSEL THROUGH ROOF SEAL FAILURE

VESSEL OVERVIEW

VESSEL OVERVIEW


PSI GAUGE

NO INSPECTION PORT IN SKIRT


PSV SERVICE TAG


PSV SERVICE TAG


PSV DATAPLATE

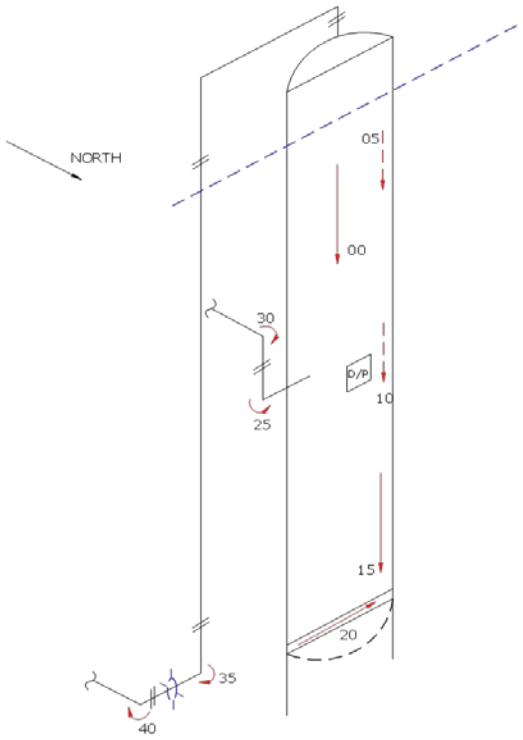

PSV REPAIR DATAPLATE

PSV SEAL WIRE INTACT

PSV OVERVIEW

| | | | | | |
|---|---|---|---|---|---|
| **Location Name:** | JENNER NORTH | | **LSD:** | 16-24-023-13W4 | |
| **Jur #:** | A2551443 | | **Equipment/Tag No.** | | |
| **Equipment Description:** | GLYCOL CONTACTOR | | | | |
| **Manufacturer:** | WELLS-HALL FABRICATION | | | | |
| **Serial Number:** | 89-4701-0 | | **CRN:** | H-7358.2 | |
| **Shell MAWP:** | 1440 | PSI | **Shell Design Temp:** | 130 | °F |
| **Tube MAWP:** | | PSI | **Tube Design Temp:** | | °F |
| **Shell Material:** | SA-516-70 | | **Head Material:** | SA-516-70 | |
| **Shell Thickness:** | 1.125 | in | **Head Thickness:** | 1.035 | in |
| **Corrosion Allowance:** | 0.0625 | in | **Date Built:** | 1989 | |
| **Size:** | 24 | in | **Pipe / Rolled Plate:** | PLATE | |
| **RT:** | 1 | | **Client DWG #:** | | |

**NOTES:** NO ACCESS UNDER SKIRT. RECOMMEND CUTTING INSPECTION PORT IN SKIRT TO ALLOW FOR A MORE EXTENSIVE UT OF BOTTOM HEAD.

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# Ultrasonic Corrosion Survey

*All values are in inches unless otherwise stated.

**Survey Name:** Canadian Natural **Date:** JUNE 30 2016

Inspector: E. Tymensen

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LSD:** | 16-24-023-13W4 | **Area:** | JENNER NORTH | | **Location:** | 16-24 SATTELITE | | |
| **Jur #:** | A2551443 | **Tag Number:** | | | **Vessel Name:** | GLYCOL CONTACTOR | | |
| **CRN:** | H-7358.2 | **Year Built:** | 1989 | | **Serial Number:** | 89-4701-0 | | |
| **RT:** | 1 | **Vessel CA:** | 0.063 | in | **Manufacturer:** | WELLS-HALL FABRICATION | | |
| | | **Shell MAWP:** | 1440 PSI | **MAWTF:** 130 °F | **Tube MAWP:** | PSI | **MAWTF:** °F | **Pipe/Plate** PLATE |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | | **Material:** | SA-516-70 | |
|---|---|---|---|---|---|---|---|---|---|---|
| **00** | SHELL | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | Cylindrical | **Min** | 1.171 | 1.063 | 0.063 | 1.125 | | 0.0000 | 0.0000 |
| **OD:** | 24 | **Avg** | 1.173 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | | **Material:** | SA-516-70 | |
|---|---|---|---|---|---|---|---|---|---|---|
| **05** | SHELL | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | Cylindrical | **Min** | 1.156 | 1.063 | 0.063 | 1.125 | | 0.0000 | 0.0000 |
| **OD:** | 24 | **Avg** | 1.164 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | | **Material:** | SA-516-70 | |
|---|---|---|---|---|---|---|---|---|---|---|
| **10** | SHELL | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | Cylindrical | **Min** | 1.162 | 1.063 | 0.063 | 1.125 | | 0.0000 | 0.0000 |
| **OD:** | 24 | **Avg** | 1.165 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | | **Material:** | SA-516-70 | |
|---|---|---|---|---|---|---|---|---|---|---|
| **15** | SHELL | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | Cylindrical | **Min** | 1.151 | 1.063 | 0.063 | 1.125 | | 0.0000 | 0.0000 |
| **OD:** | 24 | **Avg** | 1.160 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | | | | | | **Retirement Date:** | |

# Ultrasonic Corrosion Survey

*All values are in inches unless otherwise stated.

**Survey Name:** Canadian Natural **Date:** JUNE 30 2016

Inspector: E. Tymensen

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LSD:** | 16-24-023-13W4 | **Area:** | JENNER NORTH | | **Location:** | 16-24 SATTELITE | | |
| **Jur #:** | A2551443 | **Tag Number:** | | | **Vessel Name:** | GLYCOL CONTACTOR | | |
| **CRN:** | H-7358.2 | **Year Built:** | 1989 | | **Serial Number:** | 89-4701-0 | | |
| **RT:** | 1 | **Vessel CA:** | 0.063 | in | **Manufacturer:** | WELLS-HALL FABRICATION | | |
| | | **Shell MAWP:** | 1440 PSI | **MAWTF:** 130 °F | **Tube MAWP:** | PSI | **MAWTF:** | °F |
| | | | | | | | | **Pipe/Plate** PLATE |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | | **Material:** SA-516-70 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **20** | HEAD | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | Ellipsoidal | **Min** | 1.108 | 0.973 | 0.063 | 1.035 | | 0.0000 | 0.0000 |
| **OD:** | 24 | **Avg** | 1.118 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | NO ACCESS UNDER SKIRT | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** 600 | | **Material:** SA-234-WPB | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **25** | NOZZLE | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | 90° Elbow | **Min** | 0.716 | 0.590 | 0.084 | 0.674 | | 0.0000 | 0.0000 |
| **OD:** | 4.5 | **Avg** | 0.757 | | | | | **Remaining Life:** | |
| **Spec:** | ASME VIII Div.1 | **Comments:** | ASSUME NOMINAL | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** 600 | | **Material:** SA-234-WPB | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **30** | PIPING | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | 90° Elbow | **Min** | 0.234 | 0.189 | 0.027 | 0.216 | | 0.0000 | 0.0000 |
| **OD:** | 3.5 | **Avg** | 0.247 | | | | | **Remaining Life:** | |
| **Spec:** | ASME B31.3 | **Comments:** | ASSUME NOMINAL | | | | | **Retirement Date:** | |

| **TML Description** | | | Baseline | | | **Flange ANSI:** 600 | | **Material:** SA-234-WPB | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **35** | PIPING | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | 90° Elbow | **Min** | 0.239 | 0.207 | 0.030 | 0.237 | | 0.0000 | 0.0000 |
| **OD:** | 4.5 | **Avg** | 0.246 | | | | | **Remaining Life:** | |
| **Spec:** | ASME B31.3 | **Comments:** | ASSUME NOMINAL | | | | | **Retirement Date:** | |

STREAMLINE INSPECTION LTD.

# Ultrasonic Corrosion Survey

*All values are in inches unless otherwise stated.

**Survey Name:** Canadian Natural **Date:** JUNE 30 2016

Inspector: E. Tymensen

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LSD:** | 16-24-023-13W4 | **Area:** | JENNER NORTH | | **Location:** | 16-24 SATTELITE | | |
| **Jur #:** | A2551443 | **Tag Number:** | | | **Vessel Name:** | GLYCOL CONTACTOR | | |
| **CRN:** | H-7358.2 | **Year Built:** | 1989 | | **Serial Number:** | 89-4701-0 | | |
| **RT:** | 1 | **Vessel CA:** | 0.063 | in | **Manufacturer:** | WELLS-HALL FABRICATION | | |
| | | **Shell MAWP:** | 1440 PSI | **MAWTF:** 130 °F | **Tube MAWP:** | PSI | **MAWTF:** °F | **Pipe/Plate** PLATE |

| **TML Description** | | | Baseline | | | **Flange ANSI:** | 600 | **Material:** | SA-234-WPB | |
|---|---|---|---|---|---|---|---|---|---|---|
| **40** | PIPING | | **2016** | **Flag** | **CA** | **Nominal** | **T Min** | **STCR in/yr** | **LTCR in/yr** |
| **Shape:** | 90° Elbow | **Min** | 0.243 | 0.207 | 0.030 | 0.237 | | 0.0000 | 0.0000 |
| **OD:** | 4.5 | **Avg** | 0.275 | | | | | **Remaining Life:** | |
| **Spec:** | ASME B31.3 | **Comments:** | ASSUME NOMINAL | | | | | **Retirement Date:** | |

Kufre Akpan

Digitally signed by Kufre Akpan
DN: cn=Kufre Akpan, o=CNRL, ou=Asset Integrity, email=kufre.akpan@cnrl.com, c=CA
Date: 2016.08.02 10:04:57 -06'00'

0457
89-4701-0

# FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative For... for Single Chamber, Completely Shop-Fabrica... Vessels Only)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A) 2551443

1. Manufactured and certified by WELLS-HALL FABRICATION & CONSTRUCTION LTD. 6115-30 ST. EDMONTON T6P 1J8
(Name and address of manufacturer)

2. Manufactured for NUGAS LTD. c/o GEMINI ENGINEERING LTD. (A)2551443
(Name and address of purchaser)

3. Location of installation LSD: 8-18-18-14 W4M
(Name and address)

4. Type VERTICAL CONTACTOR (Horiz. or vert., tank) | 89-4701-0 (Mfg's serial No.) | H.7358.2 (CRN) | 33-A-4701-1 (Drawing No.) | — (Nat'l. Bd. No.) | 1989 (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 ADD. 2 WINTER 1987 (Addenda (Date)) | 2051 (Code Case Nos.) | — (Special Service per UG-120(e))

6. Shell: SA-516-70 (Mat'l. (Spec. No., Grade)) | 1.125" (28.58) (Nom. Thk. (mm)) | 0.0625" (1.59) (Corr. Allow. (mm)) | 24" (610) O.D. (Diam. I.D. (mm)) | 30'-11" (9423) (Length (overall) (mm))

7. Seams: EQUIV. DBL. BUTT (Long. (Welded, Dbl., Sngl., Lap, Butt)) | FULL (R.T. (Spot or Full)) | 100% (Eff. (%)) | — (H.T. Temp. (°C)) | — (Time (hr)) | EQUIV. DBL. BUTT (Girth (Welded, Dbl., Sngl., Lap, Butt)) | FULL (R.T. (Spot, Partial, or Full)) | THREE (3) (No. of Courses)

8. Heads: (a) Mat'l. SA-516-70 (Spec. No., Grade) (b) Mat'l. SA-516-70 (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) | TOP | 1.035" (26.29) | 0.0625" (1.59) | | | 2:1 | | | | CONCAVE |
| (b) | BOTTOM | 1.035" (26.29) | 0.0625" (1.59) | | | 2:1 | | | | CONCAVE |

If removable, bolts used (describe other fastenings) — (Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 1440 PSIG 9929 kPa at max. temp. 130°F 54 °C
Min. temp. (when less than -30°C) 35°F 2 °C. Hydro., pneu., or comb. test pressure 2160 PSIG 14893 kPa

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 |
|---|---|---|---|---|---|---|---|---|
| PI | 1 | 1/2" | TOL | SA-105 | 6000# | — | WELDED | |
| LG/TI/TRAY DRAIN | 14 | 3/4" | TOL | SA-105 | 6000# | — | WELDED | |
| LIQ. OUT | 3 | 1" | TOL | SA-105 | 6000# | — | WELDED | |
| GLYCOL IN/COIL | 3 | 1" | CPLG | SA-105 | 6000# | — | WELDED | |

11. Supports: Skirt YES (Yes or no) Lugs — (No.) Legs — (No.) Other — (Describe) Attached WELDED TO HEAD (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'r's name and identifying stamp)

VERTICAL CONTACTOR W/ 3 PHASE SCRUBBER. 24" O.D. X 28'-0" S/S X 1/16" C.A.
1440 PSIG @ 35°F TO 130°F

VOLUME: 67 FT3 = 1.90 m3

## 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, 1990.

Date May 17/89 Co. name WELLS-HALL FAB. & CONST. LTD. (Manufacturer) Signed George Tickle (Representative)

## CERTIFICATE OF SHOP INSPECTION

Vessel constructed by WELLS-HALL FAB. & CONST. 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 LABOR, BOILERS BRANCH have inspected the component described in this Manufacturer's Data Report on 17 May, 1989, 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 May 89 Signed D. Wilson (Authorized Inspector) Commissions ALTA (Nat'l Board (incl. endorsements), State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET (A)255/443
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by WELLS-HALL FABRICATION & CONSTRUCTION LTD. 6115-30ST. EDMONTON T6P 1J8
(Name and address of manufacturer)

2. Manufactured for NUGAS LTD. C/O GEMINI ENGINEERING LTD.
(Name and address of purchaser)

3. Location of Installation LSD: 8-18-18-14W4M
(Name and address)

4. Type VERTICAL CONTACTOR (Horiz., vert., tank, etc.) 89-4701-0 (Mfr's. serial no.) H.7358.2 (CRN) 33-A-4701-1 (Dwg.) — (Nat'l. Bd. No.) 1989 (Year built)

Data Report Item Number

Remarks

ITEM #10

| Purpose | No. | Size | Type | Matl. | Nom. Thk. | Reinf. Matl. | Attached | Location |
|---|---|---|---|---|---|---|---|---|
| DRAIN | 1 | 1" | PIPE | SA-106-B | SCH 160 | — | WELDED | |
| PSV (C15) | 1 | 1½" | TOL | SA-105 | 6000# | — | WELDED | |
| LL/INSP. (C1) | 2 | 2" | TOL | SA-105 | 6000# | — | WELDED | SHELL (C1) |
| INSP (C7, C12) | 2 | 2" | CPLG | SA-105 | 6000# | — | WELDED | SHELL (C7, C12) |
| INLET/OUTLET | 2 | 4" | 600# RF | SA-106-B. | SCH XXH | — | WELDED | |

Date May 17/89 Co. name WELLS-HALL FAB. & CONST. LTD. (Manufacturer) Signed George Wells (Representative)

Date May 89 Signed (Authorized Inspector) Commissions AMIA (Nat'l. Board (incl. endorsements), State, Prov., and No.)

(12/82)

This form (E00118) is available from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017