



**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
**(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)** A587138  
**As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

1. Manufactured and certified by: Pyramid Process Fabricators; 2308 - 8<sup>th</sup> Street, Nisku, Alberta T9E 7Z2 Canada  
(Name and address of manufacturer)

Manufactured for: EnCana FCCL Oil Ltd.; 421 - 7<sup>th</sup> Avenue S.W., PO Box 2850, Calgary, Alberta T2P 2S5 Canada  
(Name and address of purchaser)

3. Location of installation Foster Creek  
(Name and address)

4. Type: Horizontal 08-3190-0000 U8255.2 D-08-3190-0000- 2009  
(Horizontal or vertical tank) (Manufacturer's serial Number) (CRN) (Drawing number) (National Board number) (Year built)  
001 Rev. 0  
(Drawing number)

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 2007  
Year

to ----- to -----  
(Date) (Date)

6. Shell SA-516-70N 1.000" 0.0625" 106"ID 24'-0" S/S  
(Material spec. number, grade) (Nominal thickness) (Corr. allow) (Inner diameter) (Length (overall))

7. Seams: Type 1 Full 100% ----- ----- Type 1 Spot 70% 3  
[Long (welded, dbl. singl., lap, butt)] R.T. (spot or full) (Eff.) (H.T. temp.) (Time, hr) [Girth (welded, dbl. singl., lap, butt)] [R.T. (spot or full)] (Eff. %) No. of courses

8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N  
(Spec. number, grade) (Spec. number, 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)	End	1.000"	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	End	1.000"	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) -----  
(Material spec. number, grade, size, number)

9. MAWP 334 PSI 15 PSI at max temp. 399 F 399 F  
(Internal) (External) (Internal) (External)  
 Min. design metal temp. -50 F at 334PSI Hydro. pneu., or comb. test press. 501 PSI

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain)	Number	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Attached Form U-4								

11. Supports: Skirt No Lugs N/A Legs N/A Others Saddles Attached Shell/Weld  
(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, Manufacturer's name and identifying stamp)

Vessel Fabricated To Dwg # D-08-3190-0000-001 Rev.3. Vessel Volume = 1770 cu.ft. (50 cu.m.). Process Glycol Surge Tank.  
Heads & Shell Impact Tested to -50F.Nozzle and Flange Impact Test Exempt per UCS-66(g) & Fig. UCS-66 Note (c).

**CERTIFICATE OF SHOP/FIELD 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 Boiler and pressure Vessel Code, Section VIII, Division 1. "U" Certificate of Authorization Number 37,481  
 expires May 8, 2011

Date Mar 25/09 Co. Name Pyramid Process Fabricators Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by Pyramid Process Fabricators at 2308 - 8<sup>th</sup> Street, Nisku, Alberta T9E 7Z2 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 ABSA  
 have inspected the component described in this Manufacturer's Data Report on March 25, 2009, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel this described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 March 25, 2009 Signed [Signature] Commissions AB#87  
(Authorized Inspector) [National Board (incl endorsements) State, Prov. and number]