

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) **(A) 227913**
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Barber Industries, 9625 Shepard Road S.E. Calgary, Alberta. T2H 2P3
(Name and address of manufacturer)

2. Manufactured for Anderson Exploration Ltd, 2500-700-9th Ave. S.W. Calgary, Alberta.
(Name and address of purchaser)

3. Location of installation LSD-Sec. 3-81-4-W6M
(Name and address)

4. Type Vert. Separator 203592-1 H-0721.2 203592-1-C N/A 1987
(How or ref. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Mat'l. 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, 1 1986
Year

to 1986 N/A N/A
Addenda (Date) Code Case No. Special Service per UG 120(d)

6. Shell. SA-516-70 1.250 (31.7) .0625 39.5" 14'-0"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: SMLS N/A 100 N/A N/A Welded Sngl Butt Full 1
Long. (Welded, Obl. Sngl., Lap, Butt) R T (Spot or Full) EN. (%) H T. Temp. (F) Time (hr) Grth. (Welded, Obl. Sngl., Lap, Butt) R T (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA-516-70 (b) Mat'l. SA-516-70
(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 Pressure (Concave or Convex)
(a)	Top	1.21 (30.7)	.0625			2:1				Concave
(b)	Bottom	1.23 (31.2)	.0625			2:1				Concave

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

9. MAWP 1000 (6895 KPA) psi at max. temp. 250 (121 deg. C.) °F
 Min. temp. (when less than -20°F) _____ °F. Hydro., pneu., or comb. test pressure 1500 (10343 KPA) psi.

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
Inlet	1	10"600#	RFLWN	SA-105	2.720	-	Welded	Shell
Outlet	1	10"600#	RFLWN	SA-105	2.720	-	Welded	Shell
Manway	1	20" Dia.	W.E.	SA-516-70	1.00	SA-516-70	Welded	Shell
Drain	1	2" SMLS Pipe		SA-106-B	.218	SA-516-70	Welded	Bottom

11. Supports: Skirt Yes Lugs _____ Legs _____ Other _____ Attached Bottom Head, 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: ANSI Figure 500 Closure 5483B Modco Industries
(Name of part, item number, Mfg's name and identifying stamp)

Vertical Inlet Filter Separator
17.14 cu. ft. (0.484 cu.m.) capacity

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. 21837 expires April 13, 1990.
 Date June 30, 1987 Co. name Barber Industries Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Barber Industries 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
 have inspected the component described in this Manufacturer's Data Report on JUNE 30, 19 87, 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 870630 Signed _____ Commissions _____
(Commissioned Inspector) (National Board (and endorsement), State, Prov. and No.)

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 PO# G87-2970

227913
870830

1. Manufactured and certified by MODCO INDUSTRIES, INC., RT. 21 BOX 1370 BEACH AIRPORT RD., CONROE, TX. 77302
(Name and address of manufacturer)

2. Manufactured for VALGRO LIMITED 5606 88th STREET EDMONTON, ALBERTA CANADA T6E 5R8
(Name and address of purchaser)

3. Location of installation UNKNOWN
(Name and address)

4. Type UNKNOWN (Horiz. or vert. tank) 5483 A (Mfg's serial No. of Part) 02937.2 (ICRN) 010-020-204 (Drawing No.) NA (Nat'l. Bd. No.) 1987 (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 construction and workmanship conform to ASME Rules, Section VIII, Division 1 1986 Year

A 1986 Addenda (Items) NA Code Case No. NA Special Service per UG-120(d) (2) 20"

6. (a) Drawing prepared by MODCO INDUSTRIES, INC. (b) Description of part inspected FIGURE 500 CLOSURE

7. Postweld heat treatment: Temp. NA °F Time NA

8. Shell: SA-105 (SUB) Mat. 1.187 Nom. Thk. (in.) .062 Cor. Allow. (in.) 18.376 Diam. I.D. (ft & in.) 9.000 Length (Overall) (ft & in.) 0 No. of Courses

9. Seams: NA Long. R.T. Ell. (%) Girth R.T.

10. Heads: (a) Matl. SA-516 70 (Spec. No., Grade) (CAP) (b) Matl. (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)	END	.582	.062	NA	NA	2:1	----	----	----	CONCAVE
(b)										

If removable, bolts used (describe other fastenings) NA (Matl., Spec. No., Q., Size, No.)

11. MAWP 1000 psi at max. temp. 250 °F. min. temp. (when less than -20° F) _____ °F.
Hydro., pneu., or comb. test press. IN FIELD psi in the _____ position.

12. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
PAV	1	3/2" NPT	THREAD	*	----	NA	NA	SIDE

13. Supports: Skirt YES Lugs YES Legs Other Attached WELDED

14. Remarks: NO REINFORCING REQUIRED PER PARAGRAPH UG36 (C) (3A) NO CONNECTIONS OVER 2" PIPE SIZE
NON LETHAL SERVICES
NO RADIOGRAPHY REQUIRED PER PARAGRAPH UW 11 & 12
* PAV IS SA36 MATERIAL DESIGN FUNCTIONS BY MODCO IND.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 17,142 expires DECEMBER 3, 1987.

Date 6-19-87 Co. name MODCO INDUSTRIES, INC. (Manufacturer) Signed Randy Bone (Representative)

CERTIFICATE OF SHOP INSPECTION

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 TEXAS and employed by COMMERCIAL UNION INSURANCE COMPANY

have inspected the pressure vessel part described in this Manufacturer's Data Report on 6/19, 19 87, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part of a pressure vessel in accordance with the 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 part 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 6/19, 19 87 Signed [Signature] (Authorized Inspector) Commissions 21661027 (Nat'l Board [incl. endorsements], State, Prov., and No.)