

**(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1**

D22781

1. Manufactured and certified by MALONEY STEEL LTD. 8825 Shepard Road S.E., Calgary, Alberta T2H 1X1
(Name and address of manufacturer)

2. Manufactured for TEXACO CANADA RESOURCES LTD. 605 - 5th Avenue S.W., Calgary, Alberta T2P 2P8
(Name and address of purchaser)

Location of installation TEXACO OPEN CREEK
(Name and address)

4. Type Horizontal 85-9369-A F-4069.2 9369-A - 1985
(HORIZ. or vert. tank) (Mfg's serial No.) (CRN) (Drawing 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. 1983
Year

to Summer June 84
Addenda (Date)

6. Shell: SA-516-70 1.625" (41.28) 0.125" (3.2) 3'-6" (1067) 12'-0" (3658)
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Double Butt Full 100% 1100-1150 1HR.40MIN. Double Butt Full 2
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) EH (%) H.T. Temp. (F) Time (hr) Grth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-516-70 (b) Matl. 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 (Convex or Concave)
(a)	Top	1.523"	0.125"			2:1 SE				Concave
(b)	Bottom	(38.67)	(3.2)							Concave

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

9. MAWP (7930 Kpa) 1150 psi at max. temp. (66°C) 150 °F
Min. temp. (when less than -20°F) _____ °F. Hydro., pneu., or comb. test pressure (11894 Kpa) 725 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	1	6"	RFLWN/ELL	SA-105/SA-234-WPB	600#/Stand.		Welded	Shell
Outlet	1	6"	RFLWN	SA-105	600#		Welded	Shell
Cond. Out.	1	2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160		Welded	Shell
Water Out	1	2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160		Welded	Shell

11. Supports: Skirt No Lugs 2 Legs 2 Other - Attached Welded to Head
(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)

Horizontal Separator

Volume: 128 cubic feet (3.625 cubic metres)

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. 15742 expires May 05, 19 86.

Date 07/22/85 Co. name Maloney Steel Ltd. Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Maloney Steel Ltd. 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 Boilers Branch

have inspected the component described in this Manufacturer's Data Report on July 22, 19 85, 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 loss of any kind arising from or connected with this inspection.

July 22/85 Signed _____ Commissions _____
(Authorized Inspector) (Nat'l Board (incl. endorsements), 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

212781,

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(Name and address of manufacturer)
2. Manufactured for TEXACO CANADA RESOURCES LTD. 605 - 5th Avenue S.W., Calgary, Alberta
(Name and address of purchaser) T2P 2P8
3. Location of Installation TEXACO OPEN CREEK
4. Type Horizontal Separator Vessel Number 85-9369-A F-4069.2 9369-A -----
Horiz. Vert Tank, etc. Mfr. serial CRN Dwg Nat'l. Brd. No.
 Year Built 1985

Data Report
Item Number

Remarks

PURPOSE	NO.	SIZE	TYPE	MAT'L	THK.	ATTACH.	LOC.
COND. RETURN	1	2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160	Welded	Shell
L.C.	2	1 1/2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160	Welded	Shell
BRIDLE	2	3"	RFLWN	SA-105	600#	Welded	Head
STEAM OUT	1	2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160	Welded	Shell
PSV	1	1"	RFWN/PIPE	SA-105/SA-106-B	600#XXH/SCH.XXH	Welded	Shell
RECIRC.	1	2"	RFWN/PIPE	SA-105/SA-106-B	600#SCH.160/SCH.160	Welded	Shell
DRAIN	1	1"	CPLG	SA-105	6000#	Welded	Head
L.C.	2	3/4"	CPLG	SA-105	6000#	Welded	Shell
T.I.	1	1"	CPLG	SA-105	6000#	Welded	Shell
P.I.	1	3/4"	CPLG	SA-105	6000#	Welded	Shell
MANWAY	1	18"	RFLWN	SA-105	600#	Welded	Shell
BOOT	1	16"	PTPE	SA-106-B	SCH.120	Welded	Shell

Date 07/22/85 Maloney Steel Ltd. Signed [Signature]
Manufacturer

Date July 22/85 [Signature] Commissions _____
Authorized Inspector's Signature Natl. Board, State, Province and No.