

600801

**FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Manufactured and certified by The Hanover Company FM 949@I-10 Alleyton, Texas 78935  
(Name and address of Manufacturer) **A 436038**

Manufactured for Uniglam Resources  
(Name and address of Purchaser)

Location of installation Unknown  
(Name and address)

Type: Horizontal Coalescing Filter 97-1439 N1537.2 D-98600801 27412 1997  
(Hertz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)

ASME Code, Section VIII, Div. 1 1995-A96 Code Case No. Special Service per UG-120(d)

Items 6 - 11 Incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

Shell (a) No. of course(s): 2 (b) Overall length (ft & in.): 12' 6"

No.	Course(s)		Material Spec./Grade or Type	Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
	Diameter, in.	Length (ft & in.)		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	24"OD	5' 0"	SA516-70	1"	0"	1	Full	100%	1	Spot	100%	1160	2.5HRS
2	24"OD	7' 6"	SA516-70	1"	0"	1	Full	100%	1	Spot	100%	1160	2.5HRS

Heads: (a) SA516-70 (b) See Partial Data #21  
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a) <u>Right</u>	1"	0"	-	-	2:1	-	-	-	-	XXX	-	-	-
(b)													

removable, bolts used (describe other fastening) \_\_\_\_\_  
(Mat'l Spec. No., Grade, size, No.)

Type of jacket \_\_\_\_\_ Jacket closure \_\_\_\_\_  
(Describe as ogee & weld, bar, etc.)

If bar, give dimensions \_\_\_\_\_  
MAWP 1440 psi (internal) (external) 120 °F Min. design metal temp. 37 °F at 1440 psi.  
(internal) (external) (internal) (external)

1. Impact test not required (F).  
(Indicate yes or no and the component(s) impact tested)

Hydro. test press. 2160  
Proof test None

Items 12 and 13 to be completed for tube sections.

2. Tubesheet: \_\_\_\_\_  
Stationary (Mat'l Spec. No.) Dia., in. (subject to press.) Nom. thk., in. Corr. Allow., in. Attachment (welded or bolted)

3. Tubes: \_\_\_\_\_  
Floating (Mat'l Spec. No.) Dia., in. Nom. thk., in. Corr. Allow., in. Attachment

Items 14 - 18 Incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers. Vertical Sump  
Shell (a) No. of course(s): 1 (b) Overall length (ft & in.): 2' 6-1/2"

No.	Course(s)		Material Spec./Grade or Type	Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
	Diameter, in.	Length (ft & in.)		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	12-3/4"OD	2' 6-1/2"	SA106B	6.668"	0"	S	None	100%	1	Spot	100%	1160	2.5HRS

Heads: (a) SA516-70 (b) \_\_\_\_\_  
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a) <u>Bottom</u>	5/625"	0"	-	-	2:1	-	-	-	-	XXX	-	-	-
(b)													

removable, bolts used (describe other fastening) \_\_\_\_\_  
(Mat'l Spec. No., Grade, Size, No.)

6. MAWP 1440 (Internal) (external) --- psi at max. temp. 120 (Internal) (external) --- °F Min. design metal temp. 37 °F at 1440 psi.

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7. Impact test not required per UG20(F). (Indicate yes or no and the component(s) impact tested)

8. Hydro. test press. 2160 Proof test None

9. Nozzles, inspection, and safety valve openings:

Table with columns: Purpose (Inlet, Outlet, Drain, etc.), No., Diameter or Size, Flange Type, Material (Nozzle, Flange), Nozzle Thickness (Nom., Corr.), Reinforcement Material, How Attached (Nozzle, Flange), Location (Insp. Open.). Rows include Service 2, Service 1, Service 2, Service 1, Service 4, Service 3, Service 3.

10. Supports: Skirt --- Lugs 2 Legs --- Others Saddles Attached Shell/SpHead/Weld.

11. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(List the name of part, item number, mfg's. name and identifying number) 7(b). Closure S/N JP66 Modco Cert No. 17142 (U2A)

2. Remarks: For Non-lethal Service.

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. 12,989 Expires 10-1, 19 99

Date 11-9-97 Name The Hanover Company Signed [Signature] (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Delta Lloyds Insurance Company of Houston have inspected the pressure vessel described in this Manufacturer's Data Report on 10-31-19 97, 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 10/10/97 Signed [Signature] Commissions NR10068A TX-1485 (Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1,

U Certificate of Authorization No. Expires , 19

Date Name Signed (Assembler) (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of psi. 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 Signed Commissions (Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)