

134912806

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

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by EXTERRAN 2207 FM 949 ALLEYTON, TEXAS 78935
(Name and address of Manufacturer)

2. Manufactured for Murphy Exploration
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type Horizontal CL11-1647 -- USCL-9813952402-01 43001 2011
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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 2010
to -- 2235-9 --
(Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell SA516-70 .500" .125" 42"OD 20"
(Material Spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

7. Seams Type 1 Spot 85 -- Type 1 *None 85 2
(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 SA516-70N (b) Material SA516-70N
(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)	RightHead	.438"	.125"	--	--	2:1	--	--	--	Concave
(b)	LeftHead	.438"	.125"	--	--	2:1	--	--	--	Concave

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

9. MAWP 250 -- 130 --
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 at 250 ☒ Hydro, ☐ pneu, ☐ or comb. test pressure 325

Proof test None

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain etc.)	No.	Diameter Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Service	1	18" 150#	RFLWN	--	SA105	1.00"	.125"	--	--	Welded	Shell
Service	2	10" 150#	RFLWN	--	SA105	1.00"	.125"	--	--	Welded	LtHd/Shell
Service	1	4" 150#	RFLWN	--	SA105	.75"	.125"	--	--	Welded	Shell
Service	11	2" 150#	RFLWN	--	SA105	.53"	.125"	--	--	Welded	Shell
Service	1	3/4"	COL	SA105	--	6000#	.125"	--	Welded	--	Shell
Service	1	1/2"	COL	SA105	--	6000#	.125"	--	Welded	--	Shell

11. Supports: Skirt No Lugs 2 Legs -- Other Saddles Attached --
(Yes or no) (Number) (Number) (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)

For Non Lethal Service. Impacts exempt per UG20(f). Girth seams per UW11(a)(5)(b) *UT exam C2 & C3 100% (See Code Case)

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 12,989expires 10/01/2014Date 10/25/11 Co. name EXTERRAN

(Manufacturer)

Signed P. Neelman
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by EXTERRAN at 2207 FM 949 Alleyton, Texas 78935I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Seneca Insurance Companyand employed by 10/20/11, have inspected the component described in this Manufacturer's Data Report on 10/20/11, 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 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 10/25/11 Signed K. Roatman
(Authorized Inspector)Commissions NS#140144, TX1879
(National Board (incl. endorsements), State, Province, and number)