

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 J.W. Williams, Inc., 19814 G.H. Circle, Waller, Texas, 77484, USA

(Name and address of Manufacturer)

2. Manufactured for MURPHY EXPLORATION , 16290 KATY FREEWAY #600 SUITE, HOUSTON, Texas, 77094, USA

(Name and address of Purchaser)

3. Location of Installation UNKNOWN

(Name and address)

4. Type HORIZONTAL W7876 N/A 48-20-H3PH-250-MEP 7556 2014
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)5. ASME Code, Section VIII, Division 1 2013/ N/A N/A N/A
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))6. Shell: SA-516-70N .500 in .125 in 3' 11.0" (ID) 20' 0.0"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: TYPE 1 FULL 100 1100 °F 1 TYPE 1 FULL 100 2
[Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of courses)8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N
(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)	ENDS	.4375	.125	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
(b)	ENDS	.4375	.125	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE

Body Flanges on Heads

No.	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 250 psi N/A at max. temp. 150 °F N/A
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 250 psi . Hydro, pneu., or comb. test pressure HYDRO at 325 psi .Proof test N/A .

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
MISC	3	3/4	XL CPLG		*	6000#		Integral		*	SHELL
MISC	11	2	RFLWN		*	150#		Integral		*	SHELL
WATER OUTLET	1	3	RFLWN		*	150#		Integral		*	SHELL
MISC	3	4	RFLWN		*	150#		Integral		*	SHELL
GAS IN/OUTLET	2	10	RFLWN		*	150#		Integral		*	SHELL/HEAD
MANWAY	1	18	RFLWN HB		*	150#		Integral		*	SHELL

11. Supports: Skirt NO Lugs N/A Legs N/A Other TWO SADDLES Attached WELDED AT THE BOTTOM OF SHELL
(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:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)*WO3940314WELDED PER FABRICATION DRAWINGIMPACT EXEMPT UCS-66

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 34164
expires October 15, 2015.

Date 10/27/2014 Co. name J.W. Williams, Inc.
(Manufacturer)

Signed Manuel Martinez Jr
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by J.W. Williams, Inc. at 19814 G.H. Circle, Waller, Texas, 77484, USA
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by
OneCIS Insurance Company, of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on October 27, 2014,
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 10/27/2014 Signed [Signature] Commissions 12355A, TX1681
(Authorized Inspector) [National Board (incl. endorsements)]