

National Board Number: _____

Mfr. Representative: _____ Date: _____

Authorized Inspector: JM Date: JUL 25 2017

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 A668584

1. Manufactured and certified by NWP Industries LP 4017 60th Ave, Innisfail, AB. T4G 1S9 Canada

(Name and address of Manufacturer)

2. Manufactured for RJV Gas Field Services 4901-47 St. Vegreville, AB. T9C 1C3 Canada

(Name and address of Purchaser)

3. Location of installation Stock - RJV Gas Field Services 4901-47 St. Vegreville, AB. T9C 1C3 Canada

(Name and address)

4. Type Vertical Separator NWP-10149-005-A U9345.213 3097-01A & B REV 1 N/A 2017
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Div. 1 2015 Edition N/A N/A
(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))

6. Shell SA-516-70N 1.25" 0.125" 27.5" 10 FT.
(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

7. Seams Type 1 Full 100 1155 F 1.25 Type 1 Full 100 1
(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 (Spec. no., grade) (b) Material SA-516-70N (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	1.180"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	1.180"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE

Body Flanges on Heads												
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)												
(b)												

9. MAWP 1440 PSIG N/A at max. temp. 130 F N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 F at 1440 PSIG. Hydro., pneu., or comb. test pressure Hydrostatic 1874 PSIG

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	
Gas Inlet	1	3" NPS	RFLWN	SA-105-N	N/A	0.81"	0.125"	N/A	UW-16.1(c)	N/A	Shell
Gas Outlet / Insp.	1	3" I.D.	RFLWN	SA-105-N	N/A	0.81"	0.125"	N/A	UW-16.1(c)	N/A	Shell
PSV	1	2" NPS	RFWN	SA-106-B	SA-105-N	0.344"	0.125"	N/A	UW-16.1(c)	Type 1	Shell
Drain	1	2" NPS	RFWN	SA-106-B	SA-105-N	0.344"	0.125"	N/A	UW-16.1(c)	Type 1	Bottom Head
Cond. Outlet	1	3" NPS	RFLWN	SA-105-N	N/A	0.81"	0.125"	N/A	UW-16.1(c)	N/A	Shell
Water LC	1	3" NPS	RFLWN	SA-105-N	N/A	0.81"	0.125"	N/A	UW-16.1(c)	N/A	Shell
HC Outlet	1	2" NPS	RFWN	SA-106-B	SA-105-N	0.344"	0.125"	N/A	UW-16.1(c)	Type 1	Shell

11. Supports: Skirt Yes Lugs Two Legs N/A Other N/A Attached Welded - Top and Bottom Head
(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)

See U-4 Form

National Board Number: _____

Mfr. Representative: _____ Date: _____

Authorized Inspector: 20 Date: JUL 25 2017

FORM U-1A (Back)

Ⓟ668584

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 49,143 expires Feb.19, 2018.

Date July 25, 2017 Co. name NWP Industries LP (Manufacturer) Signed [Signature] (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by NWP Industries LP at 4017 60th Ave, Innisfail, AB. T4G 1S9 Canada

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by Alberta Boilers Safety Association (ABSA) of Alberta

have inspected the component described in this Manufacturer's Data Report on July 25, 2017, 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 July 25, 2017 Signed [Signature] (Authorized Inspector) Commissions 15494 A, AB444 (National Board (incl. endorsements))

A668584

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by NWP Industries LP 4017 60th Ave, Innisfail, AB. T4G 1S9 Canada
(Name and address of Manufacturer)

2. Manufactured for RJV Gas Field Services 4901-47 St. Vegreville, AB. T9C 1C3 Canada
(Name and address of Purchaser)

3. Location of installation Stock- RJV Gas Field Services 4901-47 St. Vegreville, AB. T9C 1C3 Canada
(Name and address)

4. Type Vertical Separator NWP-10149-005-A
(Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)
U9345.213 3097-01A & B REV 1 N/A 2017
(CRN) (Drawing number) (National Board number) (Year built)

Table with columns: Data Report Item Number, PURPOSE, No., Dia., Type, Nozzle, Flange, Nom., Corr., Rein., Attach: Noz., Flange, Location. Rows include Water Outlet, Vent, LSH, LSL / Inspection, Pressure Indicator, Temp. Indicator, Level Gauge (Cond.), Level Gauge (Water).

Remarks:

All flanges on U1-A are CL600

Impact Test: Exempt per UG-20(f)(1-5), UCS-66(a), and Flanges per UCS-66(c)

Construction Drawing: 10149-001-A-100 REV 1 Weight Empty: 5,580 LBS , Capacity: 45.77 CU FT

Radiography: Long Seam and Circ. Seams Full per UW11(a)

PSV by others as per UG-125(a)

Certificate of Authorization: Type "U" No. 49,143 Expires Feb.19, 2018

Date July 25, 2017 Name NWP Industries LP 4017 60th Ave, Innisfail, AB. T4G 1S9 Canada Signed Lance Raven
(Manufacturer) (Representative)

Date July 25, 2017 Name [Signature] Commissions 15494A, AB 444
(Authorized Inspector) (National Board (incl. endorsements))