

# PACKING LIST

CHALLENGER INDUSTRIES, INC.

Branch: 00 Bismarok Corporate Office

707 North Anderson Street  
Bismarok, ND 58501

Pick Ticket Number	
1156985	
Ship Date	Page
9/27/2013 14:12:37	1 of 4
ORDER NUMBER	
1108848	

**Bill To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
999 18TH ST  
SUITE 3400 SOUTH  
DENVER, CO 80202  
USA

**Ship To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
C/O LO-N-BRO PIPELINE  
5831 123RD DRIVE NW  
EPPING, ND 58843-9502  
USA

Customer ID: 5659

PO Number	Order Date	Pick Ticket No	Primary Salesrep Name	Taker	
SM PUMP STATION	9/27/2013 13:53:41	1156985	MIKE BARTA	TOM WARNER	
Carrier	Carrier Tracking Number	Terms Description	Net Due Date	Disc Due Date	Discount Amount
CHALLENGER TRUCK		Net 30			

Total Boxes \_\_\_\_\_ Total Lgths \_\_\_\_\_ Total Pcs \_\_\_\_\_  
Total Skids \_\_\_\_\_ Total Bags \_\_\_\_\_ Pulled By \_\_\_\_\_

Quantities				Item ID Item Description	UOM	Unit Size
Ordered	Shipped	Remaining	Disp.			

**Delivery Instructions:** SHIP W/ MTRÆS ON NEXT CHALLENGER TRUCK TO THE JOBSITE 9-28, JOE 906-281-3786

**Carrier:** CHALLENGER TRUCK **Tracking #:**

2.00	2.00	0.00		C000119083 VALVE BALL 6 CS 300 FLG FP 316 B128CS24 6" 300 LB, FLANGED, RAISED FACE, FLOATING BALL, CARBON STEEL BODY, 316 SS TRIM, RTFE SEATS AND SEALT, FULL PORT BALL VALVE W/GEAR OP, WKM FIG 310C 300 B2128CS244S1 WG	EA	1.0
1.00	1.00	0.00		C000117799 INS KIT 6 300 RING TYPE F MNLN FNDW CNT 6" 300, TYPE F, NEO FACED PHENOLIC RING GASKET, ONE PIECE MINLON SLEEVES AND WASHERS, WITH STEEL WASHERS, CENTRAL PLASTIC CP-FKF24303000600, FNDW	EA	1.0
				<b>Ordered As:</b> 117799		
1.00	1.00	0.00		C000056131 VALVE BALL 2 CS 300 FLG FP 316 2F-F33N-R	EA	1.0

# PACKING LIST

CHALLENGER INDUSTRIES, INC.

Branch: 00 Bismarck Corporate Office

707 North Anderson Street

Bismarck, ND 58501

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ORDER NUMBER	
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Quantities				Item ID Item Description	UOM	Unit Size
Ordered	Shipped	Remaining	Disp.			
				2" 300LB FLANGED, RAISED FACE, FULL PORT, FIRE SAFE DESIGN, NACE TRIM, CS BODY, 316 SS BALL AND STEM, NYLON SEATS, W/HANDLE BALON FIG 2F-F33N-RF		
1.00	1.00	0.00		0000024701 WOL 2 A105 STD X 6 BW	EA	1.0
				WELDOLET, 2" OUTLET X , 6" RUN, BW, STD, A105		
6.00	6.00	0.00		0000015934 ELB 6 WPB STD BW 90 DEG LR USA	EA	1.0
				6" STD BW 90 DEG ELBOW LR WPB, DOMESTIC, MANUFACTURED IN THE USA		
				<i>Ordered As:</i> 6WPBSTD90		
1.00	1.00	0.00		0000036913 RED CONC 8 X 6 WPB STD BW USA	EA	1.0
				8" X 6" STD BW CONC REDUCBR WPB, DOMESTIC, MANUFACTURED IN THE USA		
				<i>Ordered As:</i> 8X6WPBSTDCR		
48.00	48.00	0.00		0000063842 STUD 3/4 X 4-3/4 B7 W/2H NUTS BLK	EA	1.0
				STUD, ALL-THREAD, 3/4" DIA, 10 UNC, 4-3/4" LG, B7 GR, ALLOY STEEL, ASTM A193 W/NUTS		
				<i>Ordered As:</i> 63842		
12.00	12.00	0.00		0000063847 STUD 3/4 X 6-3/4 B7 W/2H NUTS BLK	EA	1.0
				STUD, ALL-THREAD, 3/4" DIA, 10 UNC, 6-3/4" LG, B7 GR, ALLOY STEEL, ASTM A193 W/2H NUTS		
				<i>Ordered As:</i> 63847		
6.00	6.00	0.00		0000014842 GSKT 6 300 CG 304 W/FLEXICARB	EA	1.0
				GASKET, SPIRAL WOUND, 6" PIPE, 300 LB, 304SS, CG-F, WR-L, GRAPHITE, 7-3/16" ID X 9-7/8" OD, 0.125" THK, ROUND, API 601, ANSI B16.5		
				<i>Ordered As:</i> 6300CG		
16.00	16.00	0.00		0000063833 STUD 5/8 X 3-1/2 B7 W/2H NUTS BLK	EA	1.0
				5/8" X 3-1/2" B7 STUD W/2H NUTS BLACK		
				<i>Ordered As:</i> 5/8X3-1/2B7ST		

# PACKING LIST

CHALLENGER INDUSTRIES, INC.

Branch: 00      Bismarck Corporate Office

707 North Anderson Street

Bismarck, ND 58501

Pick Ticket Number	
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ORDER NUMBER	
1108848	

Quantities				Item ID Item Description	UOM	Unit Size
Ordered	Shipped	Remaining	Disp.			
1.00	1.00	0.00		0000037051 FLG 2 300 WN STD RF A105 USA  2" 300LB WELD NECK FLANGE STD BORE RF A105, DOMESTIC, MANUFACTURED IN THE USA  <i>Ordered As:</i> 2300WN	EA	1.0
1.00	1.00	0.00		0000015149 FLG 2 300 BLIND RF A105 USA  2" 300LB BLIND FLANGE RF A105, DOMESTIC, MANUFACTURED IN THE USA  <i>Ordered As:</i> 2300BL	EA	1.0
2.00	2.00	0.00		C000112208 VALVE BALL 8 CS 600 FLG FP TRN 8FT63CNRF  8" 600LB BALL VALVE, FLANGED END, 1480# WP, TRUNNION MOUNTED, RAISED FACE, FULL PORT, A105 BODY, W/CS BALL AND STEM, NACE W/API, BALON 8F-T63CN-RF W/GEAR OPERATOR	EA	1.0
2.00	2.00	0.00		0000062961 FLG 8 600 WN STD RF A105 USA  8" 600LB WELD NECK FLANGE STD BORE RF A105, DOMESTIC, MANUFACTURED IN THE USA  <i>Ordered As:</i> 8600WN	EA	1.0
1.00	1.00	0.00		0000036913 RED CONC 8 X 6 WPB STD BW USA  8" X 6" STD BW CONC REDUCER WPB, DOMESTIC, MANUFACTURED IN THE USA  <i>Ordered As:</i> 8X6WPBSTDCR	EA	1.0
4.00	4.00	0.00		0000089680 GSKT 8 600 CG 304 W/FLEXICARB  GASKET, SPIRAL WOUND, 8" PIPE, 600 LB, 304SS, CG-F, WR-L, GRAPHITE, 8-7/8" ID X 12-5/8" OD, ROUND, API 601, ANSI B16.5  <i>Ordered As:</i> 8600CG	EA	1.0
48.00	48.00	0.00		0000000389 STUD 1-1/8 X 7-1/2 B7 W/2H NUTS BLK  1-1/8" X 7-1/2" B7 STUD W/2H NUTS BLACK  <i>Ordered As:</i> 1-1/8X7-1/2B7ST	EA	1.0
12.00	12.00	0.00		C000081033 STUD 1-1/8 X 9-1/4 B7 W/2H NUTS	EA	1.0

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<i>Quantities</i>				<i>Item ID</i>	<i>UOM</i>
<i>Ordered</i>	<i>Shipped</i>	<i>Remaining</i>	<i>Disp.</i>	<i>Item Description</i>	<i>Unit Size</i>

STUD, ALL-THREAD, 1-1/8" DIA, 8 UNC,  
 9-1/4" LG, B7 GR, ALLOY STEEL, ASTM  
 A193, W/2H NUTS

Total Lines: 18

Total Pieces: 165

Total Weight: 2680.7

345 S.E. 39<sup>TH</sup> STREET 73129  
PO BOX 91700  
OKC, OK 73143  
PHONE: 405-631-1321  
FAX: 405-629-0420



INTERNATIONAL  
Association of Bridge, Structural,  
Ornamental and Reinforcing Iron Workers



### CERTIFICATE OF CONFORMANCE

For Challenger Industries Date: February 18, 2012

Purchase Order: 1050111 Sales Order 2126133

COMPLIANCE: This is to certify that the items furnished against the above references were manufactured in accordance with Cameron Valves and Measurement standard procedures and practices.

#### INCLUDED IN THIS CERTIFICATION:

8 Each P/N - 2168341-33-02-01 - BV 6X6 RF WKM 310C2 300 2128-CS2-44-S1 WG

Serial Number	Body Heat	Tailpiece Heat
1108766 ✓	B7734	B6619
1108767 ✓	B7734	B6758
1108768	B7734	B6775
1108769	B7690	B6758
1108770	B7690	B6759
1108771 ✓	B7734	B6726
1108772 ✓	B7734	B6758
1108773 ✓	B7682	B6759

Connie Parks  
Connie Parks  
Quality Assurance



# PEEKAY STEEL CASTINGS (P) LTD

4/242 Chinnamuddampalyam, Bilichi Post, Coimbatore -641019

## MATERIAL TEST CERTIFICATE

Doc Ref:PK-QC-03 Rev.02

**PK** EN 10204-3.1

Customer: <b>M/S-CAMERON</b>	Order No/Date: <b>4502819303 &amp; 10/03/11</b>	Internal Reference: <b>.....</b>	TC No: <b>PKC/EXP/223/11-12/12</b>
			Date: <b>31-Oct-11</b>

P.P.No: <b>CC26</b>	Part Name: <b>6"300 FE BALL VALVE BODY</b>	Drawing No: <b>X-271153-23-01REV04</b>	Item code: <b>2301047-21-01 REV 07</b>
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Specification /Material: <b>ASTM A216 Gr.WCC-2008</b>	No. of pieces: <b>5</b>
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Heat treatment: <b>Normalising at 920°C Soaking 4 Hrs Air Cooled</b>	Melting Process: <b>INDUCTION</b>	Status of Delivery: <b>Machined</b>
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Element	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	CE	Res	
Min. Specified	...	...	...	...	...	...	...	...	...	...	...	...	...	
Max. Specified	0.23	1.28	0.60	0.035	0.035	0.50	0.50	0.20	0.30	0.03	0.06	0.43	1.00	
Heat Code	Qty													
B7734	5	0.201	0.989	0.384	0.024	0.015	0.110	0.114	0.027	0.052	0.004	0.053	0.405	0.307

Mechanical Properties	Yield Strength	Tensile Strength	Elongation GL=50	Reduction of Area	Hardness	Impact value ISO V at °C in Joules (10mm x 10mm x 55mm) CVN 2mm			
	Min	Max	Min	Max	Min	Average Single Value			
	276	485	22	35	143				
	...	655	...	...	137				
Heat Code	Mpa	Mpa	%	%	HB	1	2	3	5/N
B7734	312.29	518.29	28.44	51.61	170	...	...	...	...

**VERIFIED BY**  
  
**JAN 24 2012**

Remarks/Observations  
 Material According to :CC Specification as per MS-021010-01, MS-021000-01 & ASTM A216 WCC-2008 & NACEMR 0175.  
 Magnetic particle inspection of casting:100% Satisfactory According to ASME B16.34 Appendix II  
 Visual inspection of Casting:Satisfactory According to MSS-SP-55.  
 Dimensional inspection:Satisfactory, According to Approved Drawing  
 Radio activity checked and found within 0.2 μsv/h

Certified that the above mentioned material have been manufactured, tested and inspected in compliance with the requirements of Purchase order, conform in all respects to the relevant specification and drawings.

Suppliers Logo: <b>PK</b>	Prepared By:	Stamp:	Approved By:	Works Inspector:
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# PEEKAY STEEL CASTINGS (P) LTD

4/242 Chinnamaddaapalayam, Bilichi Post, Coimbatore -641019

## MATERIAL TEST CERTIFICATE

Doc Ref: PK-QC-03 Rev.02

PK		EN 10204-3.1		TC No		PKC/EXP/189/11-12/8	
Customer:		Order No/Date		Internal Reference		Date	
M/S. CAMERON		4502819303 & 10/03/11		....		30-Sep-11	
F.P.No.		Part Name		Drawing No		Item code	
CC26		6"300 FE BALL VALVE BODY		X-271153-23-01REV04		2301047-21-01 REV 07	

Specification /Material	ASTM A216 Gr.WCC-2008	No. of pieces	14
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Heat treatment	Melting Process	State of Delivery
Normalising at 920°C Soaking 4 hrs Air Cooled	INDUCTION	Machined

Element	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	CE	Res	
Min. Specified	...	...	...	...	...	...	...	...	...	...	...	...	...	
Max. Specified	0.23	1.28	0.60	0.035	0.035	0.50	0.50	0.20	0.30	0.03	0.06	0.43	1.00	
Heat Code	Qty													
B7676	3	0.195	0.853	0.409	0.017	0.009	0.170	0.119	0.022	0.074	0.009	0.046	0.390	0.395
B7677	3	0.196	0.877	0.398	0.019	0.010	0.076	0.057	0.015	0.069	0.008	0.054	0.370	0.224
B7682	3	0.213	0.957	0.416	0.019	0.009	0.081	0.104	0.016	0.067	0.006	0.046	0.404	0.274
B7690	5	0.203	0.983	0.476	0.021	0.013	0.081	0.071	0.015	0.052	0.003	0.050	0.393	0.222

Mechanical Properties	Yield Strength	Tensile Strength	Elongation (L=5l)	Reduction of Area	Hardness	Impact value ISO V at °C in Joules (10mm x 10mm x 55mm) CVN 2mm			
Mlb	276	485	22	35	143	Average			
Max	...	655	...	...	237	Single Value			
Heat Code	Mpa	Mpa	%	%	HB	1	2	3	EN
B7676	328.77	537.98	29.60	51.05	170	...	...	...	...
B7677	300.86	504.54	32.48	51.96	149	...	...	...	...
B7682	311.98	517.64	28.20	50.10	170	...	...	...	...
B7690	338.84	544.15	28.28	57.94	163	...	...	...	...

VERIFIED BY: [Signature]  
JAN 16 2012

Remarks/Observations  
 Material According to CC Specification as per MS-021010-01, MS-021000-01 & ASTM A216 WCC-2008  
 Magnetic particle inspection of casting: 100% Satisfactory According to ASME B16.34 Appendix II  
 Visual inspection of Casting: Satisfactory According to MSS-SP-55  
 Dimensional inspection: Satisfactory, According to Approved Drawing  
 Certified that material supplied is free from radioactive mass or contamination.  
 Certified that the above mentioned material have been manufactured, tested and inspected in compliance with the requirements of Purchase order, conform in all respects to the relevant specification and drawings.

Suppliers Logo	Prepared By	Stamp	Approved By
PK	A. Senathipathi		R. Vijayaraj Works Inspector



# PEEKAY STEEL CASTINGS (P) LTD



4/242 Chinnamaddampalayam, Billich Post, Coimbatore - 641019

## MATERIAL TEST CERTIFICATE

Doc Ref:PK-QC-03 Rev.02

<b>PK</b>		EN 10204-3.1	
Customer:	Order No/Date	Internal Reference	TC No.
M/S. CAMERON	4302810097 & 03/03/11	.....	PKC/EXP/085/11.12/10
F.P.No.	Part Name	Drawing No	Item code
CC27	6" 300 FB TAIL.PIECE BALL VALVE	X-271154-23-01REV05	2301048-21-01 RFV 08

Specification /Material	ASTM A216 Gr.WCC-2008	No. of pieces
		27

Heat treatment	Melting Process	State of Delivery
Normalising at 920°C Soaking 4 Hrs Air Cooled	INDUCTION	Machined

Element	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	CE	Res
Mln. Specified	...	...	...	...	...	...	...	...	...	...	...	...	...
Max. Specified	0.23	1.28	0.60	0.035	0.035	0.50	0.50	0.20	0.30	0.03	0.06	0.43	1.00

Heat Code	Qty	Mechanical Properties		Elongation GL-50	Reduction of Area	Hardness	Impact value (ISO V <sub>50</sub> °C in Joules (10mm x 10mm x 55mm)CVN 2mm)			
		Yield Strength	Tensile Strength				Average Single Value			
B6619	5	276	485	22	35	143	Average Single Value			
B6726	5	321.67	527.66	26.64	53.60	149	1	2	3	EN
B6727	1	303.11	513.25	30.40	57.80	143	...	...	...	...
B6733	2	305.04	520.90	29.16	53.54	149	...	...	...	...
B6735	3	329.53	550.10	30.52	49.64	143	...	...	...	...
B6736	3	337.43	549.77	30.00	48.99	146	...	...	...	...
B6738	1	326.10	539.18	33.40	52.97	149	...	...	...	...
B6745	2	326.35	542.63	33.00	52.03	149	...	...	...	...
B6746	2	315.30	520.26	29.88	53.20	146	...	...	...	...
B6754	3	300.53	519.39	30.32	53.12	152	...	...	...	...
B6754	3	320.92	530.11	27.48	54.49	143	...	...	...	...

Remarks/Observations  
 Material According to :CC Specification as per MS-021010-01, MS-021000-01 & ASTM A216 WCC-2008  
 Magnetic particle Inspection of casting:100% Satisfactory According to ASME B16.34 Appendix II  
 Visual inspection of Casting:Satisfactory According to MSS-SP-55.  
 Dimensional inspection:Satisfactory, According to Approved Drawing  
 Certified that material supplied are free from radioactive mass or contamination.

Certified that the above mentioned material have been manufactured, tested and inspected in compliance with the requirements of Purchase order, conform in all respects to the relevant specification and drawings.

Suppliers Logo: **PK**  
 Prepared By: *A.R.*  
 A.Senathipathi

Stamp: PEEKAY STEEL CASTINGS (P) LTD, Coimbatore 641019  
 Approved By: *K. Vijayakumar*  
 Works Inspector

VERIFIED BY  
 SEP 14 2011



# PEEKAY STEEL CASTINGS (P) LTD



4/242 Chinnamuddampalayam, Billich Post, Coimbatore -641019

## MATERIAL TEST CERTIFICATE

Doc Ref:PK-QC-03 Rev.02

PK

EN 10204-3.1

Customer: <b>M/S. CAMERON</b>	Order No./Date: <b>4502810097 &amp; 03/03/11</b>	Internal Reference: <b>....</b>	TC No: <b>PKC/EXP/085/11-12/10</b>
F.P.No. <b>CC27</b>	Part Name <b>6" 300 FB TAILPIECE BALL VALVE</b>	Drawing No <b>X-271154-23-01REV05</b>	Date <b>30-Jun-11</b>
			Item code <b>2301048-21-01 REV 08</b>

Specification /Material **ASTM A216 Gr.WCC-2008** No. of pieces **8**

Heat treatment **INDUCTION** State of Delivery **Mechined**

Normalising at 920°C Soaking 6 Hrs Air Cooled

Element	C	Mn	Si	P	S	Cr	Ni	Mg	Cu	V	Al	CE	Res
Min. Specified	...	...	...	...	...	...	...	...	...	...	...	...	...
Max. Specified	0.23	1.28	0.60	0.035	0.035	0.50	0.50	0.20	0.30	0.03	0.06	0.43	1.00
Heat Code	Qty												
B6758	5	0.210	0.956	0.461	0.019	0.016	0.120	0.111	0.013	0.070	0.004	0.052	0.409
B6759	2	0.217	0.958	0.449	0.019	0.019	0.099	0.077	0.016	0.061	0.004	0.051	0.409
B6775	1	0.221	0.927	0.383	0.017	0.012	0.095	0.083	0.015	0.072	0.004	0.049	0.409

Mechanical Properties	Yield Strength	Tensile Strength	Elongation GL=50	Reduction of Area	Hardness	Impact value ISO V at °C in Joules (10mm x 10mm x 55mm)CVN 2mm			
	Min	Max	Min	Max	Min	Average	Single Value		
	276	485	22	35	143				
		655			237				
Heat Code	Mpa	Mpa	%	%	HB	1	2	3	EN
B6758	313.63	532.59	31.28	48.86	156	..	..	..	..
B6759	318.28	527.13	30.84	55.06	149	..	..	..	..
B6775	316.06	522.99	28.48	50.31	156	..	..	..	..

Remarks/Observations  
 Material According to :CC Specification as per MS-021010-01, MS-021000-D1 & ASTM A216 WCC-2008  
 Magnetic particle Inspection of casting:100% Satisfactory According to ASME B16.34 Appendix U  
 Visual inspection of Casting:Satisfactory According to MSS-SP-53 .  
 Dimensional inspection:Satisfactory, According to Approved Drawing  
 Certified that material supplied are free from radioactive mass or contamination.

Certified that the above mentioned material have been manufactured, tested and inspected in compliance with the requirements of Purchase order, conform in all respects to the relevant specification and drawings.

Suppliers Logo **PK** Prepared By **A. Senathipathi**

Approved By **K. Vijaya Kumar**  
Works Inspector

VERIFIED BY  
SEP 14 2011

6600 SOUTH HARLEM AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7118  
 Attn: MTR Department

Description										Heat Number				Steel Producer			
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
2" Class 300 Welding Neck StdB RF										3d434				RIVA			
0.19	0.95	0.012	0.01	0.2	0.13	0.05	0.07	0.01	0.002	0.002	76725	39900	31	58	163	0.378	10
NOTES:										Hot Formed							
2" Class 300 Blind RF										h822				CMC STEEL			
0.18	0.99	0.012	0.024	0.24	0.25	0.08	0.05	0.02	0.002	0.001	80500	39800	28.3	61.3	163	0.381	10A
NOTES:										Hot Formed							
B" Class 600 Welding Neck StdB RF										Ino				ARKANSAS STEEL			
0.21	0.91	0.006	0.019	0.24	0.3	0.08	0.06	0.02	0.0047	0.0069	75500	39900	28.6	54.2	156	0.404	09
NOTES:										Heat Treat: Normalized							

September 27, 2013

Mark Torres - MTR Coordinator

Meets the requirements of ASTM A-105, (and SA-105).

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision

All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

Page 1

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

3245 S. Hattie Avenue  
Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

Challenger Industries, Inc.  
1717 Arikara Dr.  
Beulah, ND 58523

January 19, 2011

Re: PO# 1035136  
P.N. 8F-T63CN-RF; 8F-T63SN-RF;

**CERTIFICATE OF API 6D COMPLIANCE**

Balon certifies that all flanged end valves and all API Pattern wafer check valves, including the referenced valves, have been designed to meet the requirements of API Standard 6D.



Thomas Davies  
Quality Manager  
Balon Corporation

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

3245 S. Hattie Avenue  
Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

Challenger Industries, Inc.  
1717 Arikara Dr.  
Beulah, ND 58523

January 19, 2011

Re: PO# 1035136  
P.N. 8F-T63CN-RF; 8F-T63SN-RF;

**CERTIFICATE OF API 6D HYDROTEST**

Balon certifies that the referenced valves were hydrostatically tested by Balon Corporation according to the test method required in API Standard 6D. The testing schedule is detailed below.

Part Number:                      Serial Number:                      Temperature Range (°F):

Testing Schedule:

Shell Testing:

Seat Testing:

Pressure Class

Gage Pressure, psig

Gage Pressure, psig

150  
300  
600  
900  
1500

450  
1125  
2250  
3350  
5575

325  
825  
1650  
2450  
4100

Valve Size

Minimum Test Time, min

Minimum Test Time, min

1-4"  
6-10"  
≥12"

2  
5  
15

2  
5  
5



Thomas Davies  
Quality Manager  
Balon Corporation

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

3245 S. Hattie Avenue  
Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

Challenger Industries, Inc.  
1717 Arikara Dr.  
Beulah, ND 58523

January 19, 2011

Re: PO# 1035136  
P.N. 8F-T63CN-RF; 8F-T63SN-RF;  
2F-F63N-RF; 2R-F13N-RF;  
4F-F13N-RF;

**CERTIFICATE OF API Q1 COMPLIANCE**

This certificate verifies that all Balon valves, including the referenced valves, have been designed and manufactured to meet the requirements of the API Q1 Quality System.



Thomas Davies  
Quality Manager  
Balon Corporation

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Facsimile: (405) 677-3917

Challenger Industries, Inc.  
1717 Arikara Dr.  
Beulah, ND 58523

January 19, 2011

Re: PO# 1035136  
P.N. 8F-T63CN-RF; 8F-T63SN-RF;  
2F-F63N-RF; 2R-F13N-RF;  
4F-F13N-RF;

**CERTIFICATE OF NACE COMPLIANCE**

Balon certifies that the following valves meet the requirements of the current edition of NACE Standard MR-01-75: ISO 15156-2, Region 3 and ISO 15156-3.

Series "F" Carbon Steel Ball Valves –

Meet NACE if the letter "N" is in the valve description – example: 4F-F63N-RF

Series "T" Carbon Steel Trunnion Mounted Ball Valves –

Meet NACE if the letter "N" is in the valve description – examples: 8F-T63CN-RF or 8F-T63SN-RF



Thomas Davies  
Quality Manager  
Balon Corporation

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

3245 S. Hattie Avenue  
Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

Challenger Industries, Inc.  
1717 Arikara Dr.  
Beulah, ND 58523

January 19, 2011

Re: PO# 1035136  
P.N. 2F-F63N-RF; 2R-F13N-RF;  
4F-F13N-RF;

**CERTIFICATE OF ASME / ANSI HYDROTEST**

Balon certifies that the referenced valves were hydrostatically tested by Balon Corporation according to the test method required in ASME / ANSI Standard B16.34. The testing schedule is detailed below.

Testing Schedule:

Shell Testing:

Seat Testing:

Pressure Class

Gage Pressure, psig

Gage Pressure, psig

150  
300  
600  
900  
1500

450  
1125  
2250  
3350  
5575

325  
825  
1650  
2450  
4100

Valve Size

Minimum Test Time, sec

Minimum Test Time, sec

$\leq 2''$   
 $2 \frac{1}{2}'' - 8''$   
 $\geq 10''$

15  
60  
180

15  
30  
60



Thomas Davies  
Quality Manager  
Balon Corporation

TYPICAL CERTIFICATE: A 350 LF2



TESTING TODAY, PROTECTING TOMORROW

WWW.SHERRYLABS.COM  
Tel: 918-258-8050  
800-982-8378  
Fax: 918-258-1154

LABORATORY REPORT

Attn: Danny Williams  
Balon Corporation  
3245 S. Hattie  
Oklahoma City, OK 73128



Report No.: 09100221-001-v1  
Date Received: 10/5/2009  
Date Reported: 11/17/2009  
P.O. No.: 092808LT-MTR

Customer:  
Part Number:  
Results from Report Numbers:  
Heat Code 1:  
Heat Code 2:  
Specification:

Balon Corporation  
8F-1485-LT  
08100467-001, 08120119-001-V2, 09110344-001, 09100221-001  
SLG  
SW2  
ASTM A350 Grade LF2 Class 1

Elements	Chemical Analysis (per MAP C204 Rev. 4)		
	Specification	Composition, %	
		SLG	SW2
C	≤ 0.30	0.21	0.17
Mn	0.80-1.35	0.88	0.91
P	≤ 0.035	0.008	0.011
S	≤ 0.04	0.019	0.009
Si	0.15-0.30	0.23	0.21
Ni	≤ 0.40	0.07	0.07
Cr	≤ 0.30	0.08	0.12
Mo	≤ 0.12	0.04	0.02
Cu	≤ 0.40	0.18	0.18
V	≤ 0.08	<0.01	<0.01

Mechanical Properties (per ASTM E8-08 and ASTM E16-08)		
Parameter	Specification	Actual Value
Tensile Strength (psi)	≥ 70,000	74,000
Yield Strength (psi)	≥ 38,000	53,000
Elongation in 4D (%)	≥ 22	29
Reduction of Area (%)	≥ 30	73
Brinell Hardness (HBW) SLG	< 197	150
Brinell Hardness (HBW) SW2	< 167	141

Impact Test: -50°F (per ASTM A370-09/ASTM E23-07)		
Heat Code	Specification (Joules)/Specimen Size	Actual Value (Joules)
SLG	20 Joules/ 10mm x 10mm	82, 58, 31
SW2	20 Joules/ 10mm x 10mm	110, 94, 192

We hereby certify the material to meet the chemical and mechanical requirements of ASTM A350-07 Grade LF2 Class 1.

Approved by:   
Sharon L. Bledsoe, Technical Director  
Sherry Laboratories

Test results relate only to the items tested. This document shall not be reproduced, except in full, without the written approval of Sherry Laboratories. The recording of false, fictitious, or fraudulent statements or entries on this document may be a punishable offense under federal and state law. A2LA Accredited Laboratory Certificate No. 1089-01 (Mechanical) & 1089-02 (Chemical).



# MILL TEST REPORTS

Bonney Forge  
 14496 Croghan Pike  
 Mt. Union, PA 17066

## CERTIFIED MILL TEST REPORT

Challenger Industries 9/27/2013

LOT NO.  
 58680

CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS  
 8 X 2" STD A105 Weldolet™ Butt-weld

C	0.206	MN	1.020	P	0.009	S	0.020	SI	0.200
NI	0.020	CR	0.050	MO	0.009	CU	0.090	CO	0.002
V	0.004	AL	0.027	N	0.004	Nb	0.016		
CE(LONG FORMULA) = 0.396									
T/S(PSI) 74000 Y/S(PSI) 48200 EL(%) 29.000 RA(%) 64.000									
BRINELL HARDNESS 143, 143									

[Click here for Original Steel Mill Certification](#)

1. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF NACE MRO175/ISO 15156-2.
2. THE MATERIAL SUPPLIED WAS INSPECTED AND MANUFACTURED IN ACCORDANCE WITH EN DIN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT.
3. CERTIFYING ASTM A105-10 / ASME SA105-10 EDITION.

THIS DOCUMENT HAS BEEN ELECTRONICALLY SUBMITTED.

Cancel	Logout
--------	--------

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

3245 S. Hattie Avenue  
Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

May 13, 2011

Challenger Industries  
1717 Arikara Dr.  
Beulah, ND 58523

Re: 2F-F33N-RF &  
2R-F33N-RF

**CERTIFICATE OF API Q1 COMPLIANCE**

This certificate verifies that all Balon valves, including the referenced valves, have been designed and manufactured to meet the requirements of the API Q1 Quality System.



Thomas Davies  
Quality Manager  
Balon Corporation

**BALON CORPORATION**  
(Ball Valves, Check Valves, Needle Valves)

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Oklahoma City, OK 73129  
Telephone: (405) 677-3321  
Facsimile: (405) 677-3917

May 13, 2011

Challenger Industries  
1717 Arikara Dr.  
Beulah, ND 58523

Re: 2F-F33N-RF &  
2R-F33N-RF

**CERTIFICATE OF ORIGIN**

All Balon valves are manufactured by Balon Corporation. All raw materials purchased by Balon are domestic. Balon's machining, assembly and testing are performed in Balon's plant in Oklahoma City, State of Oklahoma, United States of America.



Thomas Davies  
Quality Manager  
Balon Corporation

6600 SOUTH HARLEM AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



MATERIAL TEST REPORT

CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7116  
 Attn: MTR Department

Description										Heat Number				Steel Producer			
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
6" Std LR 90° Elbow										530385				V & M STAR			
0.2	0.93	0.011	0.005	0.26	0.22	0.07	0.08	0.02	0	0.021	83600	39900	37	N/A	162	0.389	10
NOTES:										Hot Formed							
8" x 6" Std Concentric Reducer										588a				V & M STAR			
0.21	0.7	0.01	0.003	0.2	0.15	0.06	0.15	0.02	0	0.001	74000	39900	29	48	147	0.375	10
NOTES:										Heat Treat: Normalized							
8" x 6" Std Concentric Reducer										588a				V & M STAR			
0.21	0.7	0.01	0.003	0.2	0.15	0.06	0.15	0.02	0	0.001	74000	39900	29	48	147	0.375	10
NOTES:										Heat Treat: Normalized							

All fittings meet the requirements of ASTM-A-234 WPB, (and SA-234) and are seamless unless noted.

Starting Material Seamless Pipe for elbows, tees and reducers; Plate for caps and welded fittings.

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision

All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

September 27, 2013

Mark Torres - MTR Coordinator

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

# ORDER ACKNOWLEDGEMENT

CHALLENGER INDUSTRIES, INC.  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523  
 USA  
 701-873-2104

Order Number	
1106834	
Order Date	Page
8/30/2013 15:52:46	1 of 2

**Bill To:**  
 MEADOWLARK MIDSTREAM CO LLC - EPPING  
 999 18TH ST  
 SUITE 3400 SOUTH  
 DENVER, CO 80202  
 USA

**Ship To:**  
 MEADOWLARK MIDSTREAM CO LLC - EPPING  
 C/O LO-N-BRO PIPELINE  
 5831 123RD DRIVE NW  
 EPPING, ND 58843-9502  
 USA

Customer ID: 5659

PO Number	Ship Route	Taker
DIVIDE GATHERING R&L SOUTH TO PUMP STATION		GAIL, STANEK

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Allocated	Remaining	UOM Unit Size	QTY				

**Delivery Instructions:** CHALLENGER TRUCK

8.00	8.00	0.00	EA	1.0	0000015994 FLG 6 300 WN STD RF A105 USA 6" 300LB WELD NECK FLANGE STD BORE RF A105, DOMESTIC, MANUFACTURED IN THE USA	EA	1.0	[REDACTED]
10.00	10.00	0.00	EA	1.0	0000014842 GSKT 6 300 CG 304 W/FLEXICARB GASKET, SPIRAL WOUND, 6" PIPE, 300 LB, 304SS, CG-F,WR-L, GRAPHITE, 7-3/16"ID X 9-7/8"OD, 0.125" THK, ROUND, API 601,ANSI B16.5	EA	1.0	[REDACTED]
84.00	84.00	0.00	EA	1.0	0000063844 STUD 3/4 X 5-1/2 B7 W/2H NUTS BLK 3/4" X 5-1/2" B7 STUD W/2H NUTS BLACK	EA	1.0	[REDACTED]
1.00	1.00	0.00	EA	1.0	0000037068 FLG 6 300 BLIND RF A105 USA 6" 300LB BLIND FLANGE RF A105, DOMESTIC, MANUFACTURED IN THE USA	EA	1.0	[REDACTED]
4.00	4.00	0.00	EA	1.0	0000015934 ELB 6 WPB STD BW 90 DEG LR USA 6" STD BW 90 DEG ELBOW LR WPB, DOMESTIC, MANUFACTURED IN THE USA	EA	1.0	[REDACTED]
2.00	2.00	0.00	EA	1.0	C000117799 INS KIT 6 300 RING TYPE F MNLN FNDW CNT 6" 300, TYPE F, NEO FACED PHENOLIC RING GASKET, ONE PIECE MINLON SLEEVES AND WASHERS, WITH STEEL WASHERS, CENTRAL PLASTIC CP-FKF24303000600, FNDW	EA	1.0	[REDACTED]
24.00	24.00	0.00	EA	1.0	0000063850 STUD 3/4 X 8 B7 W/2H NUTS BLK STUD, ALL-THREAD, 3/4" DIA, 10 UNC, 8" LG, B7 GR, ALLOY STEEL, ASTM A193 W/2H NUTS	EA	1.0	[REDACTED]

# ORDER ACKNOWLEDGEMENT

CHALLENGER INDUSTRIES, INC.  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523  
 USA  
 701-873-2104

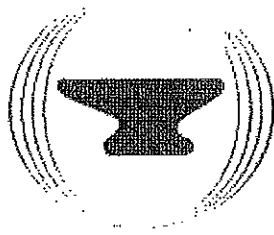
Order Number	
1106834	
Order Date	Page
8/30/2013 15:52:46	2 of 2

Quantities				Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Allocated	Remaining	UOM Unit Size				
2.00	2.00	0.00	EA	0000024701 WOL 2 A105 STD X 6 BW WELDOLET, 2" OUTLET X , 6" RUN, BW, STD, A105	EA 1.0	[REDACTED]	[REDACTED]
1.00	1.00	0.00	EA	C000058673 WOL 2 A105 STD X 8 - 36 BW 2" X 8 - 36" STD WELD O LET, BUTT WELD, A105	EA 1.0	[REDACTED]	[REDACTED]
3.00	3.00	0.00	EA	0000037051 FLG 2 300 WN STD RF A105 USA 2" 300LB WELD NECK FLANGE STD BORE RF A105, DOMESTIC, MANUFACTURED IN THE USA	EA 1.0	[REDACTED]	[REDACTED]
3.00	3.00	0.00	EA	0000015149 FLG 2 300 BLIND RF A105 USA 2" 300LB BLIND FLANGE RF A105, DOMESTIC, MANUFACTURED IN THE USA	EA 1.0	[REDACTED]	[REDACTED]
6.00	6.00	0.00	EA	C000080043 GSKT 2 300 CG 316 W/FLEXITE SUPER GASKET, SPIRAL WOUND, 2" PIPE,300/600 LB, 316LSS, WR-L,CG-F, CHLORITE MINERAL, 2-3/4"ID X 4-3/8"OD, 0.125" THK, ROUND, API 601,ANSI B16.5	EA 1.0	[REDACTED]	[REDACTED]
48.00	48.00	0.00	EA	0000063834 STUD 5/8 X 4 B7 W/2H NUTS BLK 5/8" X 4" B7 STUD W/2H NUTS BLACK	EA 1.0	[REDACTED]	[REDACTED]
1.00	1.00	0.00	EA	0000013998 NPL 2 X 4 A106B XS TBE BLK 2" X 4" XH BLACK SMLS A106B NIPPLE TBE	EA 1.0	[REDACTED]	[REDACTED]
1.00	1.00	0.00	EA	C000046126 PLUG BULL 2 A105 MNPT SCH 160 - XXS 2" MALE THREAD NPT, BULL PLUG, ASTM WPB OR A105, SCH 160- XXS	EA 1.0	[REDACTED]	[REDACTED]

Total Lines: 15

**SUB-TOTAL:** [REDACTED]  
**TAX:** [REDACTED]  
**AMOUNT TENDERED:** 0.00  
**AMOUNT DUE:** [REDACTED]

U.S. Dollars



**ANVIL**  
INTERNATIONAL, INC.

## Certificate of Test

Part Number: 0766258917 Description: 36-8X2 STD BW UNIVERSAL ANVILET  
 Heat Code: 58801  
 Reference No.: F0036218  
 Part Specification: Y

Starting Material: 0766258917 Description: 36-8X2 STD BW UNIVERSAL ANVILET  
 Specification: ASTM A 105/A 105M-05  
 Fitting Trademark:

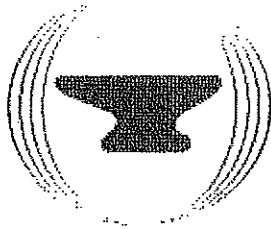
### Chemical Analysis %

<u>Heat No.</u>	<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Cb/Nb</u>
58801	0.21	1.06	0.012	0.018	0.21	0.07	00.02	00.04	0.01	0.00	0.00
	<u>Al</u>	<u>Co</u>	<u>N</u>	<u>Nb</u>							
	0.02			0.01	0.00						
CE (LONG FORMULA) = 0.407											

### Mechanical Properties

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Elongation %</u>	<u>Reduction Area</u>	<u>Hardness BHN</u>
psi	51,245	psi	77,997	29.85	63.76	141
MPa	000	MPa	000			
Heat Treatment:						
Z						

We certify that this is a true and correct copy of the mill certificate, issued by the manufacturer of the steel employed or the laboratory which has determined it, as retained in the records of the company. We make no representation beyond those of the manufacturer or its agent.



**ANVIL**  
INTERNATIONAL, INC.



Simcoe, Ontario  
Edmonton, Alberta  
Montreal, Quebec

## Certificate of Test

Part Number: 0332637206 Description: 2 X 4 BLK XH SMLS NIP  
 Heat Code: ID1244  
 Reference No.:  
 Part Specification: Y

Starting Material: 0332637206 Description: 2 X 4 BLK XH SMLS NIP  
 Specification: API 5L/GRADE B/X42  
 ASTM A106-12/ASME SA106-11 Grade B  
 Fitting Trademark: BECK MANUFACTURING

### Chemical Analysis %

Heat No.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb/Nb
30490	0.20	0.77	0.014	0.012	0.23	0.13	00.05	00.05	0.02	0.00	0.00

### Mechanical Properties

Yield Strength	Tensile Strength	Elongation %	Reduction Area	Hardness BHN
psi 051,040	psi 071,630	000032		
MPa 000	MPa 000			
Heat Treatment: MEETS NACE MR0175 . HARDNESS LESS THAN OR EQUAL 22HRC				
HYDROSTATIC: 3000			Bend: GOOD	

We certify that this is a true and correct copy of the mill certificate, issued by the manufacturer of the steel employed or the laboratory which has determined it, as retained in the records of the company. We make no representation beyond those of the manufacturer or its agent.



# Phoenix \* Capitol \* Camco

## Cap Products

### Certified Mill Test Report

Heat Code: 739AAAA  
 Heat Number: 739AAAA  
 Item: 46400020: 2 XXII WPB BULL PLUG  
 Material: ASTM A234-2011a WPB / ASME SA234-2010 Edition

**Chemistry Properties**

<b>C</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Si</b>	<b>Cu</b>	<b>Cr</b>
0.2000	0.9500	0.0060	0.0290	0.2300	0.1500	0.0800
<b>Ni</b>	<b>Mo</b>	<b>V</b>	<b>Co</b>	<b>Al</b>	<b>Cb</b>	<b>N</b>
0.0590	0.0160	0.0370				
<b>Pb</b>	<b>Sn</b>	<b>Ta</b>	<b>Ti</b>	<b>C Eq. Long</b>		
				0.3990		

**Additional Chemical Properties**


**Mechanical Properties**

<b>Tensile(PSI)</b>	<b>Yield(PSI)</b>	<b>Elong. % in 2 in. or 4D</b>	<b>Reduction</b>	<b>HBW</b>	<b>HBW 2</b>
80500	53000	28%	64	170	167

**Charpy Minimum Impact - ft/lbs**

<b>Test 1</b>	<b>Test 2</b>	<b>Test 3</b>	<b>Avg.</b>	<b>Test Temp.</b>

We hereby certify that these parts were manufactured, sampled, tested, and inspected in accordance with the product specifications stated and were found to meet the requirements. We further certify that this material was inspected using independent inspectors conforming to the requirements of EN 10204 3.1. These products meet the hardness requirements of the latest editions of NACE MR0175 and NACE MR0103. No weld repair has been performed on these products. This material was not exposed to mercury or any other metal alloy that is liquid at ambient temperatures during processing or while in our possession.

Manufactured in the USA.  
 Heat Code Remarks:

6600 SOUTH HARLEM AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7116  
 Attn: MTR Department

Description										Heat Number				Steel Producer			
C	Mn	P	S	SI	Cu	NI	Cr	Mn	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
6" Std LR 90° Elbow										c20182				V & M STAR			
0.2	0.92	0.011	0.006	0.24	0.2	0.06	0.1	0.02	0	0.022	79100	39900	34	N/A	162	0.389	10
NOTES:										Hot Formed							

All fittings meet the requirements of ASTM-A-234 WPB, (and SA-234) and are seamless unless noted.

Starting Material Seamless Pipe for elbows, tees and reducers; Plate for caps and welded fittings.

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision  
 All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

September 3, 2013

Mark Torres - MTR Coordinator

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

6600 SOUTH HARLEN AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7118  
 Attn: MTR Department

Description										Heat Number				Steel Producer			
C	Mn	P	S	Si	Cu	NI	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
6" Class 300 Welding Neck StdB RF										ujs				CMC STEEL			
0.19	1.02	0.011	0.025	0.21	0.28	0.08	0.09	0.02	0.003	0.002	81500	39900	30	62	168	0.406	10A
NOTES:										Hot Formed							
6" Class 300 Blind RF										upy				CMC STEEL			
0.19	1.02	0.008	0.024	0.23	0.25	0.09	0.07	0.02	0.003	0.002	83300	39900	26	59	179	0.401	10A
NOTES:										Hot Formed							
2" Class 300 Welding Neck StdB RF										1735				CMC STEEL			
0.19	1.05	0.01	0.011	0.23	0.2	0.08	0.08	0.018	0.001	0.003	79000	39900	28.7	38.4	152	0.406	10A
NOTES:										Hot Formed							
2" Class 300 Blind RF										h822				CMC STEEL			
0.18	0.99	0.012	0.024	0.24	0.25	0.08	0.05	0.02	0.002	0.001	80500	39900	29.3	61.3	163	0.381	10A
NOTES:										Hot Formed							

September 3, 2013

Mark Torres - MTR Coordinator

Meets the requirements of ASTM A-105, (and SA-105).

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision  
 All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

6600 SOUTH HARLEN AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7116  
 Attn: MTR Department

Description										Heat Number				Steel Producer			
C	Mn	P	S	SI	Cu	NI	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
B" Class 300 Welding Neck StdB RF										ukf				CMC STEEL			
0.19	1.01	0.009	0.029	0.21	0.23	0.08	0.08	0.03	0.003	0.002	78200	98900	34	81	163	0.401	10A
NOTES:										Hot Formed							

September 3, 2013

Mark Torres - MTR Coordinator

Meets the requirements of ASTM A-195, (and SA-105).

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision

All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

Bill back

66193

TULSA TUBE BENDING CO., INC.

4192 SOUTH GALVESTON (918) 446-4461

TULSA, OK 74107

www.ttb.com

3-28-13

*[Handwritten signature]*

PACKING LIST

Bill To: CHALLENGER INDUSTRIES  
PO BOX 368  
BELFIELD, ND

58622

Ship To: LO-N-BRO PIPELINE - EPPING YARD  
5831 123RD DRIVE NW  
EPPING, ND  
RANGELAND EPPING

58843-9502

Ship Via: Conway (CSX)

Date Shipped: 03/25/13 FOB: SHPT

Customer PO No: 1066058

TTB Order No: 13H 66193

MTRs are attached to packing list.

Qty Order	Qty Ship	Qty Back Ordered	Tagging	Description of Materials
-----------	----------	------------------	---------	--------------------------

6	6	0		STEEL 8.625 OD 0.322 WALL 90 DEG 48"R
---	---	---	--	---------------------------------------

We appreciate your business.

This completes this purchase order.



Wilson Industries, L.P.  
Main Office 1302 Cont, P.O. Box 1492  
Houston, TX 77251-1492 Phone (713) 287-3700



2669 MARTIN LUTHER KING BLVD  
YOUNGSTOWN, OH 44510

### V&M STAR LP. Seamless Tubular Products

Certified Test Report  
08/21/2012

**CUSTOMER:** WILSON

**DESC:** SEAMLESS HOT ROLLED

**CUSTOMER ORDER NUMBER:** D3011000

**SLN:** 880244 **GRADE:** API 5L X42/B PSL 2 44th Ed., October 1, 2008

**ORDER LINE #:** Y-95515-001

**OD:** 8.625 **WALL:** 0.322 **LBS/FT:** 28.58

PEB DRL LP

**W/O NO:**

**COMMENT:** Melted and Manufactured in the U.S.A.

**LOT NUMBER:**

This pipe is also manufactured to: ASTM A106B/C-11 ASTM A538-12 ASME SA106B/C-2011 ASME SA538-2011 V&M Star's QA program meets the requirements of DIN EN 10204-2004 Type 3.1. Satisfies NACE MR0103-2010.

No repair welding has been conducted. Material is free from Mercury. MC # 82301 LINE # 10

**MECHANICAL PROPERTIES: LONGITUDINAL**

JT-POS	SPECIMEN CROSS SECTION			STRENGTH KSI		ELONGATION			%RA	SUPPLEMENTAL REQUIREMENT	
	WIDTH(IN)	THICK(IN)	AREA(SQIN)	YIELD	TENSILE	GAGE LENGTH	%ELONG	HARDNESS:		FLATTENING:	NACE TEST:
1)	1.501	0.346	0.5222	49.2	73.5	2	29.0	83 HRBW AVG	PASSED	MR0175 / ISO15156-2	
2)											
3)											
4)											
5)											

**INSPECTION:**

Q/T:

AF: 0

AT: 0

TF: 0

TT: 0

**HYDROSTATIC TEST (psi):** 2350 for a 5 second minimum

**DRIFT PLUG SIZE:** INCHES

**MAX INTERNAL YIELD (psi):** 32

**CHEMICAL ANALYSIS:** 61M Electromagnetic Inspected. Reference Standard was a test joint with 10% OD Longitudinal and Transverse notches.

	C	Mn	P	S	SI	Cu	Ni	Cr	Mo	Sn	Nb	V	Al	Ca	B	TI	N	CE
HEAT	0.21	0.69	0.010	0.004	0.21	0.19	0.07	0.07	0.02	0.011	0.000	0.002	0.026	0.0016	0.0001	0.001	0.0088	0.36
PRODUCT 1)	0.21	0.68	0.007	0.004	0.21	0.18	0.07	0.07	0.02	0.009	0.000	0.002	0.025	0.0016	0.0001	0.001	0.0075	0.36
PRODUCT 2)	0.20	0.67	0.008	0.003	0.21	0.19	0.07	0.07	0.02	0.009	0.000	0.002	0.029	0.0015	0.0001	0.001	0.0078	0.35
PRODUCT 3)																		
PRODUCT 4)																		

**CHARPY IMPACT TESTING NOTCH: V**

	DIRECTION	SIZE	TEMP(Deg.F)	FTLBS 1	FTLBS 2	FTLBS 3	AVG	SHEAR 1	SHEAR 2	SHEAR 3	AVG
TEST #1	TRANS	2/3	32	30	30	30	30.00	20	20	20	20
TEST #2											
TEST #3											

This material has been produced and tested in accordance with the requirements of applicable specifications unless otherwise listed below. We hereby certify that the above test results are representative of those contained in the records of the company. Any modification to this certification as provided by V & M TUBES, without the expressed written consent of V & M TUBES negates the validity of the test report. V & M TUBES is not responsible for the inability of the material to meet specific applications.

**SIGNED:**

*Jeff Schultz*

**NAME:** JEFF SCHULTZ

**TITLE:** LAB SUPERVISOR

**DATE APPROVED:** 08/21/2012

9/21/2012 3:48:25 PM

WILSON 49491-REV. 03/12  
THIS ORDER IS GOVERNED BY THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE  
HEREOF, BY PLACING YOUR ORDER. THIS ORDER BOTH PARTIES AGREE TO BE BOUND BY AND THAT SAID  
TERMS AND CONDITIONS SHALL CONSTITUTE THE SOLE AGREEMENT APPLICABLE TO THIS  
ORDER.



733421

**\*THIRD PARTY BILL\*STRAIGHT BILL OF LADING**

Shipper's #: 66193

Carrier: **Conway (CSX)**

Ship Date: 03/25/13

FOB Point SHPT

\*GUARANTEED DEL 3/29\*\*

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading

FROM: Tulsa Tube Bending Co., Inc.

Consigned To: LO-N-BRO PIPELINE - EPPING YARD

AT: 4192 South Galveston  
Tulsa, Ok.

74107

5831 123RD DRIVE NW

EPPING, ND

RANGELAND EPPING

58843-9502

Customer's PO#: 1066058

The property described below in apparent good order, except as noted (contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at anytime interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Tulsa Tube Bending Co. hereby engages the Carrier to transport the property described above to the "ship to" destination identified. By signing this Packing Slip, Carrier's representative, acting on behalf of Carrier, acknowledges that the property has been loaded onto the transportation vehicle to Carrier's satisfaction and that Carrier assumes all risk for any damages in transit. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Delivering Carrier

Car or Vehicle Initials

No.

No. Pipe	Description of Pipe	CLASS 70 NMFC #52190	CLASS 70 NMFC #52190
6	STEEL 8.625 OD 0.322 WALL PIPE BENDS	Approx 9' pipe	
1	PACKING SLIP & MTRs/CERTIFICATES ARE ATTACHED TO OR INSIDE PIPE.		
			3RD PARTY
			3RD PARTY
			3RD PARTY
			3RD PARTY

pieces of pipe and 1 document package. Total: 7 pieces.

Total Weight of Shipment: 2,004 #

\*\*\*\*\* Send Freight Bill To: \*\*\*\*\*

CHALLENGER IND. & LPS

PO BOX 38

AMHERST, NY

14226

\*GUARANTEED DEL 3/29\*\*

Cust. PO#: 1066058

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

If charges are to be prepaid, write or stamp here "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Per \_\_\_\_\_ (The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

If the shipment moves between two ports by a carrier by water, the law requires the bill of lading state whether it is "carrier's or shipper's weight".

Note-Where the rate is dependent on value shippers are required to state specifically in writing the declared value of property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, per

Agent, per

Date: \_\_\_\_\_

\*\*\* VERY FRAGILE HANDLE WITH CARE \*\*\*

**CHALLENGER INDUSTRIES, INC.**

Branch: 00 Bismarck Corporate Office  
 707 North Anderson Street  
 Bismarck, ND 58501

Pick Ticket Number	
1154336	
Ship Date	Page
9/3/2013 14:42:25	1 of 1
ORDER NUMBER	
1106917	

**Bill To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
 999 18TH ST  
 SUITE 3400 SOUTH  
 DENVER, CO 80202  
 USA

**Ship To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
 C/O LO-N-BRO PIPELINE  
 5831 123RD DRIVE NW  
 EPPING, ND 58843-9502  
 USA

Customer ID: 5659

PO Number	Order Date	Pick Ticket No	Primary Salesrep Name	Taker	
	9/3/2013 13:56:37	1154336	MIKE BARTA	TOM_WARNER	
Carrier	Carrier Tracking Number	Terms Description	Net Due Date	Disc Due Date	Discount Amount
CHALLENGER TRUCK		Net 30			

Total Boxes \_\_\_\_\_ Total Lgths \_\_\_\_\_ Total Pcs \_\_\_\_\_  
 Total Skids \_\_\_\_\_ Total Bags \_\_\_\_\_ Pulled By \_\_\_\_\_

Ordered	Quantities		Disp.	Item ID Item Description	UOM	Unit Size
	Shipped	Remaining				

**Delivery Instructions:** SHIP W/ MTRÆS ON NEXT CHALLENGER TRUCK TO THE JOBSITE 9-3, IOE 906-281-3786

**Carrier:** CHALLENGER TRUCK **Tracking #:**

4.00	4.00	0.00	0000036997	TEE 8 WPB STD BW USA	EA	1.0
8" STD BW TEE WPB, DOMESTIC, MANUFACTURED IN THE USA						
<b>Ordered As:</b> 8WPBSTDT						

Total Lines: 1  
 Total Pieces: 4  
 Total Weight: 226.

6600 SOUTH HARLEM AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7116  
 Attn: Apple O'Quinn

Description										Heat Number				Steel Producer			
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
8" Std Straight Tee										13104				NKK			
0.17	0.79	0.014	0.002	0.19	0.02	0.02	0.02	0.01	0	0	67700	39900	32.6	N/A	137	0.310	10
NOTES:										Heat Treat: Stress Relieved							
8" Std Straight Tee										13105				NKK			
0.17	0.79	0.014	0.002	0.19	0.02	0.02	0.02	0.01	0	0	66900	39900	29.5	N/A	144	0.310	10
NOTES:										Heat Treat: Stress Relieved							

All fittings meet the requirements of ASTM-A-234 WPB, (and SA-234) and are seamless unless noted.

Starting Material Seamless Pipe for elbows, tees and reducers; Plate for caps and welded fittings.

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision

All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

September 3, 2013

Mark Torres - MTR Coordinator

Quality Assurance Department  
 Test Results herein are correct as contained in  
 test records retained by the company  
 in accordance with EN 10 204 Para 3.1  
 in accordance with PED 97/23/EC, 7/2

# PACKING LIST

CHALLENGER INDUSTRIES, INC.

Branch: 00 Bismarck Corporate Office

707 North Anderson Street  
Bismarck, ND 58501

Pick Ticket Number	
1154190	
Ship Date	Page
8/30/2013 15:10:27	1 of 1
ORDER NUMBER	
1106829	

**Bill To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
999 18TH ST  
SUITE 3400 SOUTH  
DENVER, CO 80202  
USA

**Ship To:**

MEADOWLARK MIDSTREAM CO LLC - EPPING  
C/O LO-N-BRO PIPELINE  
5831 123RD DRIVE NW  
EPPING, ND 58843-9502  
USA

Customer ID: 5659

PO Number	Order Date	Pick Ticket No	Primary Salesrep Name	Taker	
PO#SM BLOCK VALVES 1,2,4,5	8/30/2013 14:24:24	1154190	MIKE BARTA	GAIL STANEK	
Carrier	Carrier Tracking Number	Terms Description	Net Due Date	Disc Due Date	Discount Amount
CHALLENGER TRUCK		Net 30			

Total Boxes \_\_\_\_\_ Total Lgths \_\_\_\_\_ Total Pcs \_\_\_\_\_  
Total Skids \_\_\_\_\_ Total Bags \_\_\_\_\_ Pulled By \_\_\_\_\_

Quantities				Item ID Item Description	UOM	Unit Size
Ordered	Shipped	Remaining	Disp.			

**Delivery Instructions:** CHALLENGER TRUCK FOR TUESDAY  
DELIVERY THANKYOU

**Carrier:** CHALLENGER TRUCK **Tracking #:**

192.00	192.00	0.00		0000063877 STUD 1-1/8 X 7-3/4 B7 W/2H NUTS BLK STUD, ALL-THREAD, 1-1/8" DIA, 8 UNC, 7-3/4" LG, B7 GR, ALLOY STEEL, ASTM A193 W/2H NUTS	EA	1.0
4.00	4.00	0.00		0000062830 FLG 8 600 BLIND RF A105 USA 8" 600LB BLIND FLANGE RF A105, DOMESTIC, MANUFACTURED IN THE USA	EA	1.0

Total Lines: 2

Total Pieces: 196

Total Weight: 1178.08

6600 SOUTH HARLEM AVENUE  
 ARGO, IL 60501-1700  
 PHONE: (708) 594-1700  
 FAX: (708) 458-0106



CHALLENGER INDUSTRIES INC  
 1717 ARIKARA DRIVE  
 BEULAH, ND 58523-7116  
 Attn: Apple O'Quinn

Description										Heat Number				Steel Producer			
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Cb*	V	Ten	Yield	Elong	ROA	BHN	CE	RevYr
8" Class 600 Blind RF										n020				CMC STEEL			
0.19	0.99	0.012	0.022	0.23	0.28	0.18	0.1	0.042	0.001	0.003	79100	39900	33.1	64.38	163	0.415	10A
NOTES:										Heat Treat: Normalized							
8" Class 600 Blind RF										uen				CMC STEEL			
0.2	1.01	0.012	0.021	0.24	0.25	0.13	0.1	0.042	0.003	0.002	77200	39900	30	61	149	0.422	10A
NOTES:										Heat Treat: Normalized							

August 30, 2013

Mark Torres - MTR Coordinator

Meets the requirements of ASTM A-105, (and SA-105).

ISO 9001:2008 CERTIFIED MANUFACTURER

All flanges and fittings meet NACE MRO-175/ISO 15156 - Latest Revision

All flanges and fittings meet NACE MRO-103 - Latest Revision

\* No longer required under the current standards

Quality Assurance Department  
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