

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number S/N21011311 BWE specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: C.R. Kerchall

TITLE: ASSEMBLY

DATE: 6/1/2021

Tulsa Gas Technologies, Inc.
4809 S. 101st. E. Ave.
Tulsa, OK 74146
918-665-2641

Disp. Serial # S/N21011311
Customer Name BWE
Customer PO N/A
Date Required 6/1/2021

ASSEMBLY/CERTIFICATION SHEET

	SIGN	DATE
1 <input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>6/1/2021</u>
2 <input checked="" type="checkbox"/> Component part numbers: <u>5216935039</u> Pack dates and/or QC codes _____	<u>CK</u>	<u>6/1/2021</u>
3 <input checked="" type="checkbox"/> ID band number <u>5CNG12/5CNG6-0606/0506-1212/66-96"</u>	<u>CK</u>	<u>6/1/2021</u>
4 <input checked="" type="checkbox"/> Hose Cut Length <u>96"</u>	<u>CK</u>	<u>6/1/2021</u>
5 ___ Pre-expansion of hose (if required) Size _____ Remarks: _____		
6 <input checked="" type="checkbox"/> Audit and mark appropriate insertion depth	<u>CK</u>	<u>6/1/2021</u>
7 ___ Add special accessories _____ Remarks: _____		
8 <input checked="" type="checkbox"/> Apply danger tag and ID band		
9 <input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
10 <input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
11 ___ Set offset angle and/or orientation Remarks: _____		
12 <input checked="" type="checkbox"/> Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 ____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H ____ 1/4) 80C-PO4H _____ 1/2) 80C-PO2 ____ 3/8) 80C-PO6 _____ X 3/4) 80C-P12H	<u>CK</u>	<u>6/1/2021</u>
13 ___ Add special accessories after crimping/swaging		
14 ___ Perform and record burst test results, if applicable Remarks: _____		
15 ___ Air test, if applicable Test pressure Psi _____ Seconds _____ ; Pass/Fail (Circle One) Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
16 <input checked="" type="checkbox"/> Hydrostatic proof test Test pressure Psi <u>350</u> Seconds <u>30</u> <u>Pass</u> Fail (Circle One) Remarks: <u>Passed pressure test</u>	<u>CK</u>	<u>6/1/2021</u>
17 <input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>6/1/2021</u>
18 <input checked="" type="checkbox"/> Perform and record conductivity test; Meter <u>Megger Mit200</u> Hose resistance <u>0</u> (-) Electrode resistance <u>0.01</u> 0.01	<u>CK</u>	<u>6/1/2021</u>
19 <input checked="" type="checkbox"/> Final audit: Check boxes for items inspected, as applicable: <input checked="" type="checkbox"/> Correct hose; <input checked="" type="checkbox"/> Correct fittings; <input checked="" type="checkbox"/> Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-.05 ____ 5CNG-4-58 .785/.805 _____ 5CNG-8-58 .900/.920 ____ 5CNG-6-55 .675/.695 <input checked="" type="checkbox"/> _____ 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** <input checked="" type="checkbox"/> Hose fittings crimped; <input checked="" type="checkbox"/> Air passes through assembly; <input checked="" type="checkbox"/> Presence of threads	<u>CK</u>	<u>6/1/2021</u>
20 <input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>6/1/2021</u>
21 <input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>6/1/2021</u>

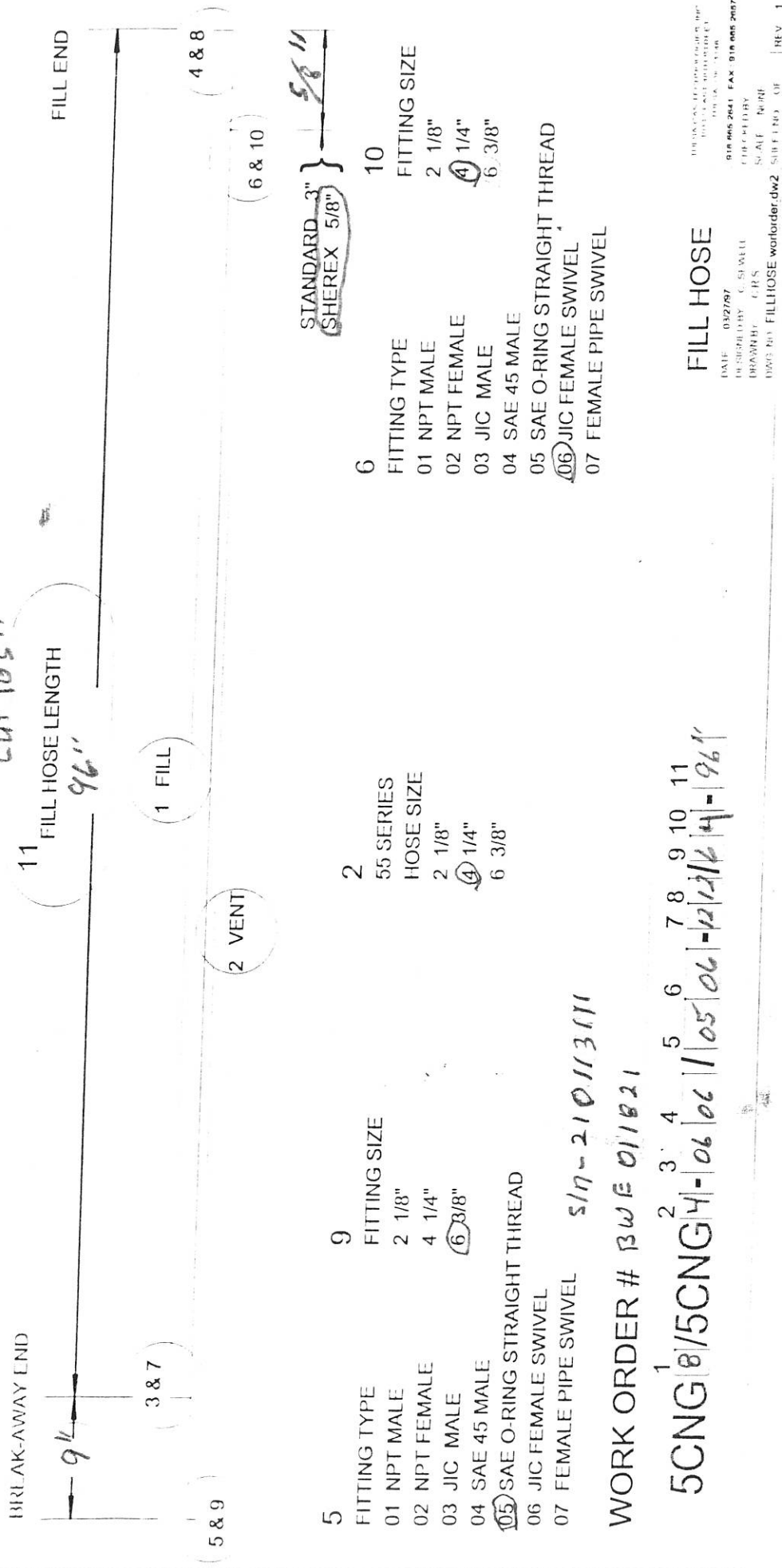
1/2" Hose C-1000 0.03

- 3 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 7 FITTING SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 12 3/4"

- 4 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 8 FITTING SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 12 3/4"



- 5 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 2 55 SERIES HOSE SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

- 6 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 10 FITTING SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

WORK ORDER # 3WFE 011821

5CNG 8/5CNG 4-06 06 1/05 06-12/12/4-961

FILL HOSE

CERTIFICATE OF CONFORMANCE
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MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number S/N21011311 BWE specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: C. R. Hendall

TITLE: ASSEMBLY

DATE: 6/1/2021

Tulsa Gas Technologies, Inc.
4809 S. 101st. E. Ave.
Tulsa, OK 74146
918-665-2641

Disp. Serial # S/N21011311
Customer Name BWE
Customer PO N/A
Date Required 6/1/2021

ASSEMBLY/CERTIFICATION SHEET

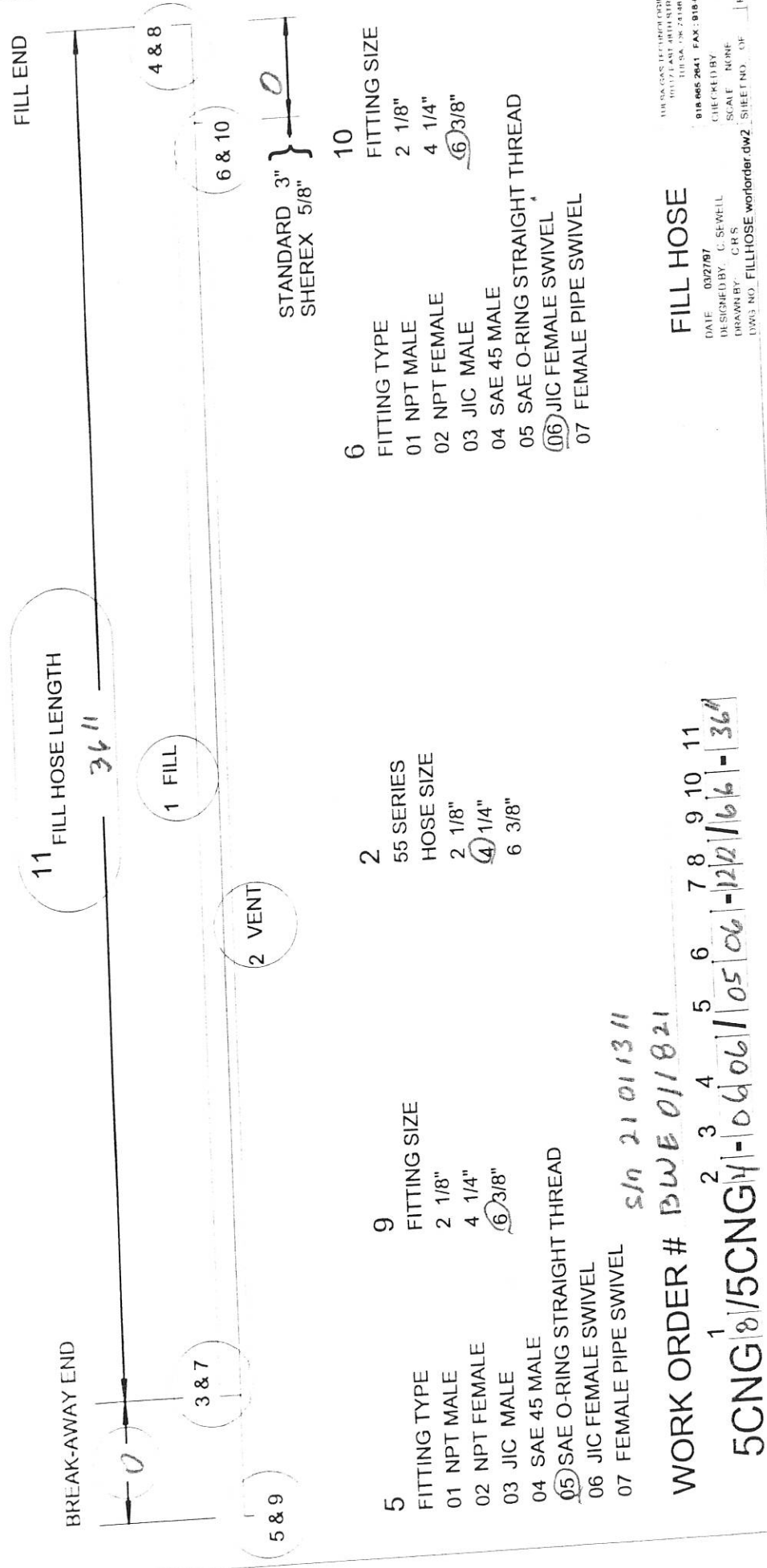
		SIGN	DATE
1	X Review shop work order versus customer print and history	<u>CK</u>	<u>6/1/2021</u>
2	X Component part numbers: _____ 5216935039		
	Pack dates and/or QC codes _____	<u>CK</u>	<u>6/1/2021</u>
3	X ID band number _____ 5CNG12/5CNG4-0606/0506-1212/66-36"	<u>CK</u>	<u>6/1/2021</u>
4	X Hose Cut Length _____ 36"	<u>CK</u>	<u>6/1/2021</u>
5	Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	X Audit and mark appropriate insertion depth	<u>CK</u>	<u>6/1/2021</u>
7	Add special accessories _____ Remarks: _____		
8	X Apply danger tag and ID band		
9	X Install bend restrictors Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
10	X Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
11	Set offset angle and/or orientation Remarks: _____		
12	X Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 _____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ X _____ 1/2) 80C-PO2 _____ 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>6/1/2021</u>
13	Add special accessories after crimping/swaging		
14	Perform and record burst test results, if applicable Remarks: _____		
15	Air test, if applicable Test pressure Psi _____ Seconds _____; Pass/Fail (Circle One) Remarks: _____	<u>CK</u>	<u>6/1/2021</u>
16	X Hydrostatic proof test Test pressure Psi _____ 350 _____ Seconds _____ 30 _____; Pass Fail (Circle One) Remarks: _____ <u>Based pressure test</u>	<u>CK</u>	<u>6/1/2021</u>
17	X Flush method water, and then air	<u>CK</u>	<u>6/1/2021</u>
18	X Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.01 0.01	<u>CK</u>	<u>6/1/2021</u>
19	X Final audit: Check boxes for items inspected, as applicable: _____ X _____ Correct hose; _____ X _____ Correct fittings; _____ X _____ Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-.05 _____ 5CNG-4-58 .785/.805 _____ X _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 _____ 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** _____ X _____ Hose fittings crimped; _____ X _____ Air passes through assembly; _____ X _____ Presence of threads	<u>CK</u>	<u>6/1/2021</u>
20	X Cap and package hose	<u>CK</u>	<u>6/1/2021</u>
21	X Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>6/1/2021</u>

0-01

- 4 FITTING TYPE
 - 01 NPT MALE
 - 02 NPT FEMALE
 - 03 JIC MALE
 - 04 SAE 45 MALE
 - 05 SAE O-RING STRAIGHT THREAD
 - 06 JIC FEMALE SWIVEL
 - 07 FEMALE PIPE SWIVEL
- 8 FITTING SIZE
 - 4 1/4"
 - 6 3/8"
 - 8 1/2"
 - 12 3/4"

- 1 58 SERIES HOSE SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 10 5/8"
- 12 3/4"

- 7 FITTING SIZE
 - 4 1/4"
 - 6 3/8"
 - 8 1/2"
 - 12 3/4"
- 3 FITTING TYPE
 - 01 NPT MALE
 - 02 NPT FEMALE
 - 03 JIC MALE
 - 04 SAE 45 MALE
 - 05 SAE O-RING STRAIGHT THREAD
 - 06 JIC FEMALE SWIVEL
 - 07 FEMALE PIPE SWIVEL



- 6 FITTING TYPE
 - 01 NPT MALE
 - 02 NPT FEMALE
 - 03 JIC MALE
 - 04 SAE 45 MALE
 - 05 SAE O-RING STRAIGHT THREAD
 - 06 JIC FEMALE SWIVEL
 - 07 FEMALE PIPE SWIVEL
- 10 FITTING SIZE
 - 2 1/8"
 - 4 1/4"
 - 6 3/8"

- 2 55 SERIES HOSE SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

- 9 FITTING SIZE
 - 2 1/8"
 - 4 1/4"
 - 6 3/8"
- 5 FITTING TYPE
 - 01 NPT MALE
 - 02 NPT FEMALE
 - 03 JIC MALE
 - 04 SAE 45 MALE
 - 05 SAE O-RING STRAIGHT THREAD
 - 06 JIC FEMALE SWIVEL
 - 07 FEMALE PIPE SWIVEL

WORK ORDER # **BWE 011821**

5CNG 8/5CNG 14 - 06 06 | 05 06 | 12 2 | 6 6 | 36

2 3 4 5 6 7 8 9 10 11

FILL HOSE

DATE 03/27/97
 DESIGNED BY C. SEWELL
 DRAWN BY C.H.S.
 DWG NO. FILLHOSE.worlorder.dwg

918-666-2841 FAX: 918-666-2842
 1107 EAST 48TH STREET
 TULSA, OK 74116

CHECKED BY
 SCALE NONE
 SHEET NO. OF 1 RE