

# Consolidated Engineering Laboratories Report

## PERFORMANCE QUALIFICATION TEST RECORD

Name TIM WILLIAMS Identification \_\_\_\_\_ Welder (XX) Operator ( )  
 Social security number: 550-43-6556 Qualified to WPS no. \_\_\_\_\_  
 Process(es) SMAW Manual (XX) Semi-Automatic ( ) Automatic ( ) Machine ( )  
 Test base metal specification ASTM A36 To A36  
 Material number \_\_\_\_\_ To \_\_\_\_\_  
 Fuel gas (OFW) \_\_\_\_\_  
 AWS filler metal classification A5.1 E7018 1/8" F no. 4

Backing: Yes (XX) No ( ) Double ( ) or Single side (XX)  
 Current: AC ( ) DC (XX) Short-circuiting arc (GMAW) Yes ( ) No ( )  
 Consumable insert: Yes ( ) No (XX)  
 Root shielding: Yes ( ) No (XX)

**TEST WELDMENT POSITION TESTED WELDMENT THICKNESS (T)**

**GROOVE:**

Pipe	1G ( )	2G ( )	5G ( )	6G ( )	6GR ( )	Diameter(s) _____ (T) _____
Plate	1G ( )	2G ( )	3G (X)	4G (X)		(T) <u>1.0"</u>
Rebar	1G ( )	2G ( )	3G ( )	4G ( )		Bar size _____ Butt ( ) Spliced butt ( )

**FILLET:**

Pipe ( )	1F ( )	2F ( )	3F ( )	4F ( )	5F ( )	Diameter _____ (T) _____
Plate ( )	1F ( )	2F ( )	3F ( )	4F ( )		(T) _____

Other (describe) \_\_\_\_\_

Test results:	Remarks
Visual test results	N/A ( ) Pass (XX) Fail ( )
Bend test results	N/A (XX) Pass ( ) Fail ( )
Macro test results	N/A (XX) Pass ( ) Fail ( )
Tension test	N/A (XX) Pass ( ) Fail ( )
Radiographic test results	N/A ( ) Pass (XX) Fail ( )
Penetrant test	N/A (XX) Pass ( ) Fail ( )

**QUALIFIED FOR:**

**PROCESSES**

**GROOVE:**

Pipe	1G (XX)	2G (XX)	5G (XX)	6G (XX)	6GR ( )	(T) Min <u>1/8"</u> Max <u>UNLIM Dia OVER 24"</u>
Plate	1G (XX)	2G (XX)	3G (XX)	4G (XX)		(T) Min <u>1/8"</u> Max <u>UNLIMITED</u>
Rebar	1G ( )	2G ( )	3G ( )	4G ( )		Bar size Min _____ Max _____

**FILLET:**

Pipe	1F (XX)	2F (XX)	4F (XX)	5F (XX)	(T) Min <u>1/8"</u> Max <u>UNLIMITED</u>
Plate	1F (XX)	2F (XX)	3F (XX)	4F (XX)	(T) Min <u>1/8"</u> Max <u>UNLIMITED</u>
Rebar	1F ( )	2F ( )	3F ( )	4F ( )	Bar size Min _____ Max _____

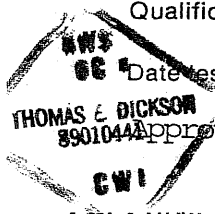
Weld cladding ( ) Position(s) \_\_\_\_\_ T Min \_\_\_\_\_ Max \_\_\_\_\_ Clad Min \_\_\_\_\_

Consumable insert ( ) Backing type ( )  
 Vertical Up (XX) Down ( )  
 Single side (XX) Double side (XX) No backing ( )  
 Short-circuiting arc ( ) Spray arc ( ) Pulsed arc ( )  
 Reinforcing bar - butt ( ) or Spliced butt ( )

TEST WITNESSED BY HOLLIS SCOTT  
C. E. L.

LAB # N92-12634

The above named person is qualified for the welding process(es) used in this test within the limits of essential variables including materials and filler metal variables of the AWS Standard for Welding Procedure and Performance Qualification (AWS BXX). AWS D1.1-92



Date tested 12/04/92 Signed by \_\_\_\_\_ Qualifier  
 Approved By Thomas E. Dickson Mfg. LAWRENCE BERKELEY LABS.  
 THOMAS E. DICKSON, NDT Mgr.



JOHNNY J. JOHNSON

CWI 06110221

QC1 EXP. 11/09

*Johnny Johnson*

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UNITED STATES  
DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D.C. 20535  
(301) 451-3000

# SIGNET Testing Labs

ENGINEERS • METALLURGISTS • CHEMISTS • SCIENTISTS • MATERIALS TESTING • CONSTRUCTION INSPECTION  
 25064 Viking Street Hayward, California 94545 510/887-8484 Fax 510/783-4295  
 3164 Industrial Blvd. West Sacramento, California 95691 916/371-9206 Fax 916/371-2764

### WELDER AND WELDING OPERATOR QUALIFICATION TEST RECORD

Welder or Welding Operator's Name: Tim Williams ID#: 550-43-6556  
 Welding Process: GMAW Manual: No Semiautomatic: Yes Machine: No  
 Position: 2F - Horizontal Test Witnessed by: Pat Moskiman (Signet)  
 (flat, horizontal, overhead or vertical, if vertical, state upward or downward)  
 In Accordance with Procedure Specification No.: AWS D1.1 (Fig. 5.27)  
 Material Specification: ASIM A36  
 Diameter and Wall thickness (if pipe) Otherwise Joint Thickness: 1/2" Plate  
 Thickness Range This Qualifies: 1/8" to unlimited  
 Position Qualified For: Flat and horizontal position fillet welding of plate, pipe and tubing.

#### FILLER METAL

Specification No.: A5.18 Classification: ER70S-6 F No.: 6  
 Electrode Dia.: .045 Backing Strip: N/A  
 Flux: N/A Gas Shielding: 90% Argon/10% CO2

#### VISUAL INSPECTION (Macroetch)

Appearance: Satisfactory Undercut: None Piping Porosity: None

#### T-BREAK RESULTS

Type	Results	Type	Results
T-Break	Satisfactory		

Test Conducted By: Mike Everson Lab Test No.: M6914-2

#### RADIOGRAPHIC TEST RESULTS

Film ID	Results	Remarks	File ID	Results	Remarks

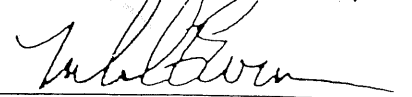
Test Witnessed By: \_\_\_\_\_ Lab Test No.: \_\_\_\_\_

We the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of 5C or D of AWS D1.1, Structural Welding Code.

Respectfully submitted,

Report To: Lawrence Berkeley Lab  
 Building 77  
 Berkeley, CA 94720  
 Attn: John Wool

SIGNET TESTING LABORATORIES, INC.

BY   
 Michael F. Everson  
 Manager, Structural Dept.

Date: November 13, 1991

LBWL  
AALS  
Johnny Johnson

JOHNNY J. JOHNSON  
CWI 06110221  
QC1 EXP. 11/09  
2 Dec 08

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