

WELDING PROCEDURE SPECIFICATION (WPS)

IN ACCORDANCE WITH API 1104

COMPANY NAME

PT.BUKAKATEKNIK UTAMA

WELDING PROCEDURE SPECIFICATION NO. 001/WPS/1104/BTU-BP/1999

SUPPORTING PQR No. 001/PQR/1104/BTU-BP/1999

REVISION: 0

DATE

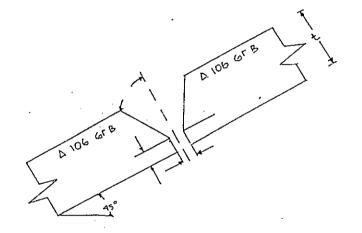
10 Oktober 1977

WELDING PROCESS (SMAW)

TYPE (S) :

MANUAL

(1) JOINT



BACKING

BACKING MATERIAL (TYPE)

OTHER

N/A

: N/A

: N/A

(2) BASE METAL

MATERIAL SPECIFICATION CODE NO.

THICKNESS RANGE DIAMETER RANGE DEPOSITED WELD METAL OTHER : A 106 Grade B to A 106 Grade B

: SMYS EQUAL TO 42000 Psi TO CODE NC

SMYS EQUAL TO 42000 Psi

: Over 19.05 mm

: 60.3 mm to 323.8 mm

: N/A

No. Reg. 500/12/6095/1999 Tunggal: 30 DEC 1999

hhwps1/btu/wps1/sh2/p.1



WPS

Page 2

(3) FILLER METAL

	ROOT	FILLER	CAPING
Weld Metal Analysis	1	1	1
Filler Metal F No.	1	3	3
AWS Spec. No. (SFA)	A 5.1	A 5.1	A 5.1
AWS Specification	E 6010	E 7018	E 7018
Туре	5 P	LH 70	LH 70
Trade Name	LINCOLN	LINCOLN	LINCOLN
Size Of Filler	3.2 mm	3.2 mm	3.2 mm
Other	¥+= **.	· · · · · · · · · · · · · · · · · · ·	

(4) POSITION

POSITION OF GROVE

WELDING PROGRESSION

OTHER

FIXED POSITION 450

UP HILL

(5) PREHEAT

PREHEAT TEMPERATURE

INTERPASS TEMPERATURE

PREHEAT MAINTENANCE

Min.100.0 F Max. 350 0 F

(6) POST WELD TREATMENT (PWHT)

TEMPERATURE

N/A

TIME RANGE

N/A

OTHER

(7) WELDING PARAMETER

LAYER NUMBER	1	2	3 - 9
PROCESS	SMAW	SMAW	SMAW
TRAVEL SPEED cm/min	5 - 10	6 - 10	6 - 10
AMPERE RANGE	70 - 130	90 - 155	110 - 200
AC OR DC POLARITY	DCRP	DCRP	DCRP
VOLTAGE RANGE	20 - 30	20 - 30	20 - 30 1
ELECTRODE DIAMETER	3.2 mm	3.2 – 4.0 mm	3.2 – 4.0 mm
AWS CLASS	E 6010	E 7018	E 7018

hhwps1/btu/wps2/sh3/p.1

No. Reg. 500/12/WPS/1999 Tanggal: 30 DEC 1999



WPS Page 3 (8) TECHNIQUE STRING OR WAVE STRING & WAVE BEAD **CLEANING** REMOVE OIL & GREASE, GRIND ROOT TO REMOVE SLAG LINES. POWER BRUSH REMAINING PASSES METHOD OF BACK GOUGING : SINGLE/MULTIPLE ELECTRODE: SINGLE ELECTRODE / MULTIPASS OTHER PREPARED BY Daiman PT. Bukaka T.U Date 10 - 10 - 1999 **REVIEWED BY** Ir. Koestiyono PT. Bukaka T.U Date 10 - 10 - 1999 **REVIEWED BY** Date 10 - 10 - 1999 PT. Adivet Inspection

MIGAS

Date 30 DEC 1993

APPROVED