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GENERAL UT/MPI REPORT

System
Project
Site Name
JT/GW#
License #
Inspection Date

Rainbow NPS 20"
Evi - Utikuma
2011 NPS 20" Rupture
55290 to 55330
5592-1

3-May-11

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EQUIPMENT OWNER
PLAINS MIDSTREAM

AUTHORIZED INSPECTOR
INTEGRITY ENGINEER
ONSITE CLIENT REPRESENTATIVE
MINH HO
JOE HUGO

ULTRASONIC STRAIGHT BEAM INSPECTION

PROCEDURE #	TECHNIQUE #	INSPECTION CODE	CALIBRATION STANDARD
WAV 2	UT 1	CSA / CEPA	ASME SECTION V

EQUIPMENT EMPLOYED

PANAMETRICS EPOCH 4 S/N 061469107 CALIBRATED 21 OCT 10
0.250" STRESSTEL 5.0 MHz DUAL MODE TRANSDUCER MICRO DOT CABLES

ULTRASONIC ANGLE BEAM INSPECTION

PROCEDURE #	TECHNIQUE #	INSPECTION CODE	CALIBRATION STANDARD
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MAGNETIC PARTICLE INSPECTION

PROCEDURE #	TECHNIQUE #	INSPECTION CODE	CALIBRATION STANDARD
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MAGNETIZATION

METHOD	CURRENT	FIELD	MEDIUM	TYPE	APPLICATION	SIZE
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SURFACE PREPARATION

SURFACE PROFILE

SURFACE FINISH

DEMAGNETIZATION

POST CLEANING METHOD

EQUIPMENT EMPLOYED

COMMENTS

PIPE REPLACEMENT

AS PER CUSTOMER REQUEST A ZERO DEGREE LAMINATION SCAN WAS DONE TO ENSURE OF NO FOREIGN MATERIAL IN THE PARENT MATERIAL BEFORE THE CUTTING OUT OF THE OLD PIPE. THIS WAS DONE TO ENSURE THAT THERE WAS GOOD PARENT MATERIAL TO COMPLETE THE FINAL TIE-IN WELDS. PLEASE SEE PICTURES AND PETROLINES DRAWINGS FOR THE FINAL WELD LOCATIONS AND JOINT LENGTHS. BRODY NDT PERFORMED THE RADIOGRAPHY FOR THE REPLACEMENT TIE-IN WELDS. NO INDICATIONS WERE FOUND DURING TIME OF THE LAMINATION SCAN.

SIGNATURE

Brian J. Purves

TECHNICIAN

BRIAN PURVES
CGSB #7685 LEVEL II UT,RT,MT,PT,TOFD
SNT# 200608152 LEVEL II UT,PT,MT,RT

ASSISTANT #1

ROSS LEASK

ASSISTANT #2

SNT# 200608159 LEVEL II MT

PO 106607-4/14/00
P.S.I 1320 . 281 Wall

API-5AX520

JT
55311
Replacement

D6

XT-2

→ 8.9m

JT55310

Replacement

→ XT-2

PLAINS RAINBOW
NPS 20"
MAY 4/2011

← 270°

10 1/2" 1320
PS E 1320
.281 wall
API-5AXS20

A1

PLAINS RAINBOW C/O
NPS 20"
MAY 4/2011

← 270°

JT 55310
Replacement

JT 55300

→ 10.53_m

→ XT-1

JT 55320 6.9m To
7.2m
Remaining

→ 5.49m Plains Rainbow
JT 55311 NPS 20"
Replacement 4-May-11
→ XT-3 ← 270°

Rainbow Pipe Line
NPS 20 x .281" wt
MP 188 Repair Site

May 3, 2011

