RADIOGRAPHIC THICKNESS EXAMINATION RECORD

Form107(J.J.)

UNIT NO.	SYSTEM AND DWG. NO.	POINT NO.	PIPE SIZE	RT THICKNESS
0955	007-001	RT 3	8"	.19
		RT 4	8"	.26
		RT 5	6"	.18
		RT 6	6"	.33
		RT 7	6"	.23
3/12-0	Previous .17"	RT 8	8"	.22
		RT 9	8"	.25
		RT 10	8"	.23
		RT 12	8"	.33
		RT 13	8"	.30
		RT 14	8"	.32
		RT 15	8"	.31
		RT 16	8"	.33
		RT 17	8"	.23
		RT 18	8"	.19
		RT 19	8"	.17

DATE: 6-20-12 Page: 1 of 2

PROJECT NO: 349787-001 SITE: Richmond CA

PLANT: 4 crude Plant 11 D&R

RT CONTRACTOR: MISTRAS

RADIOGRAPHER: Dave Bennett LEVEL: II

ASSISTANT: Jimmy Morrill LEVEL: Asst

TECHNIQUE DATA

INSPECTION SPECIFICATIONS: ASME II

RT PROCEDURE NO: 100-RT-001 REVISION: 1

SOURCE: Ir192 SOURCE ACTIVITY: 95 KV: N/A

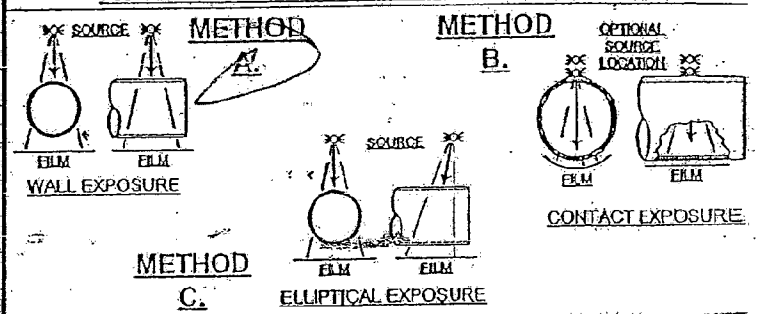
SOURCE TO FILM DIST: Varies SOURCE TO OBJECT DIST: Varies

MATERIAL THICKNESS: Varies TYPE MATERIAL: CS

THICKNESS COMPARATOR: STANDARD 0.10" FILM TYPE: Kodak

EXPOSURE TIME: Varies DEV. TIME: Digital-Auto

EXPOSURE SKETCH OR ADDITIONAL INFORMATION

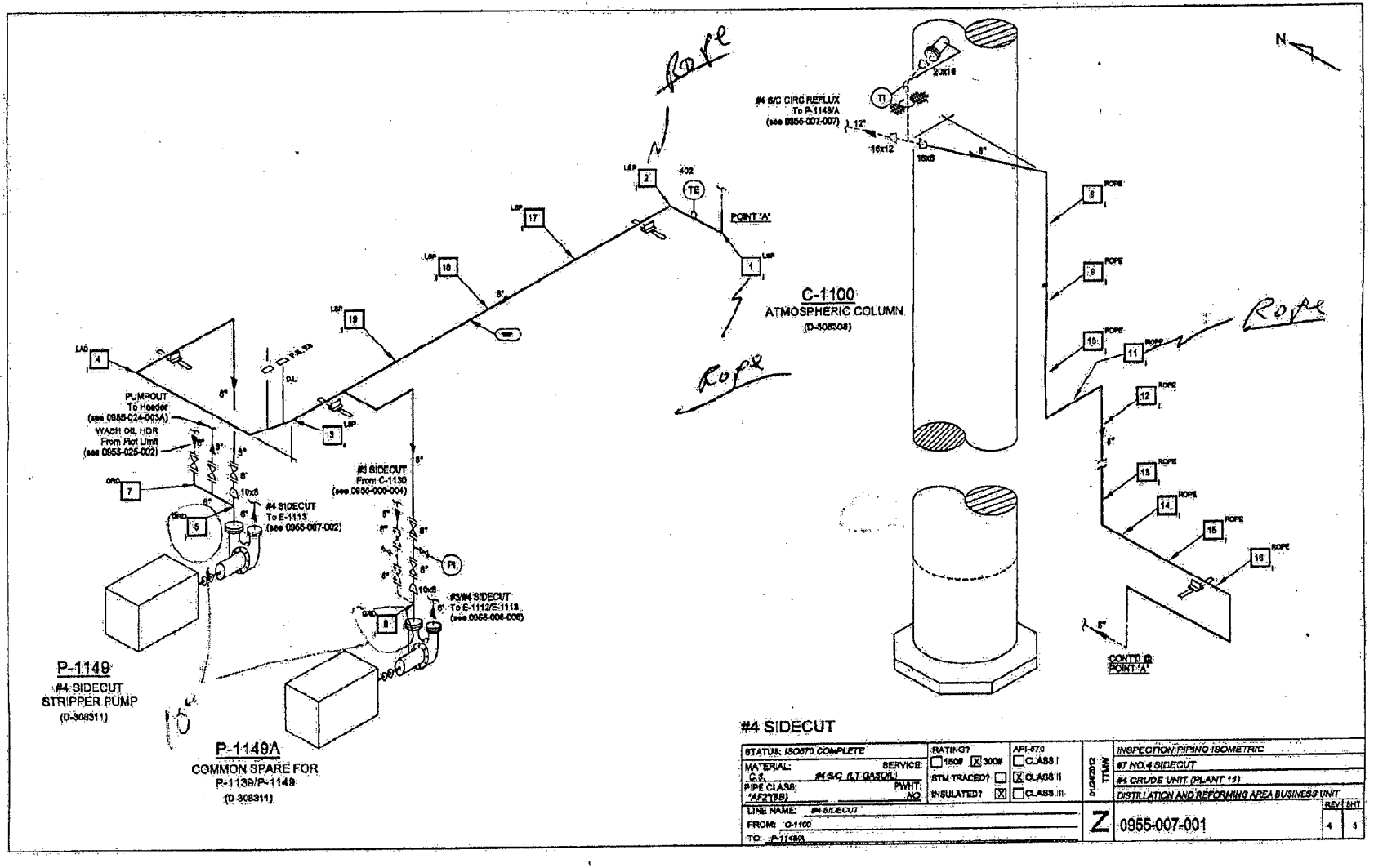


COMMENTS:

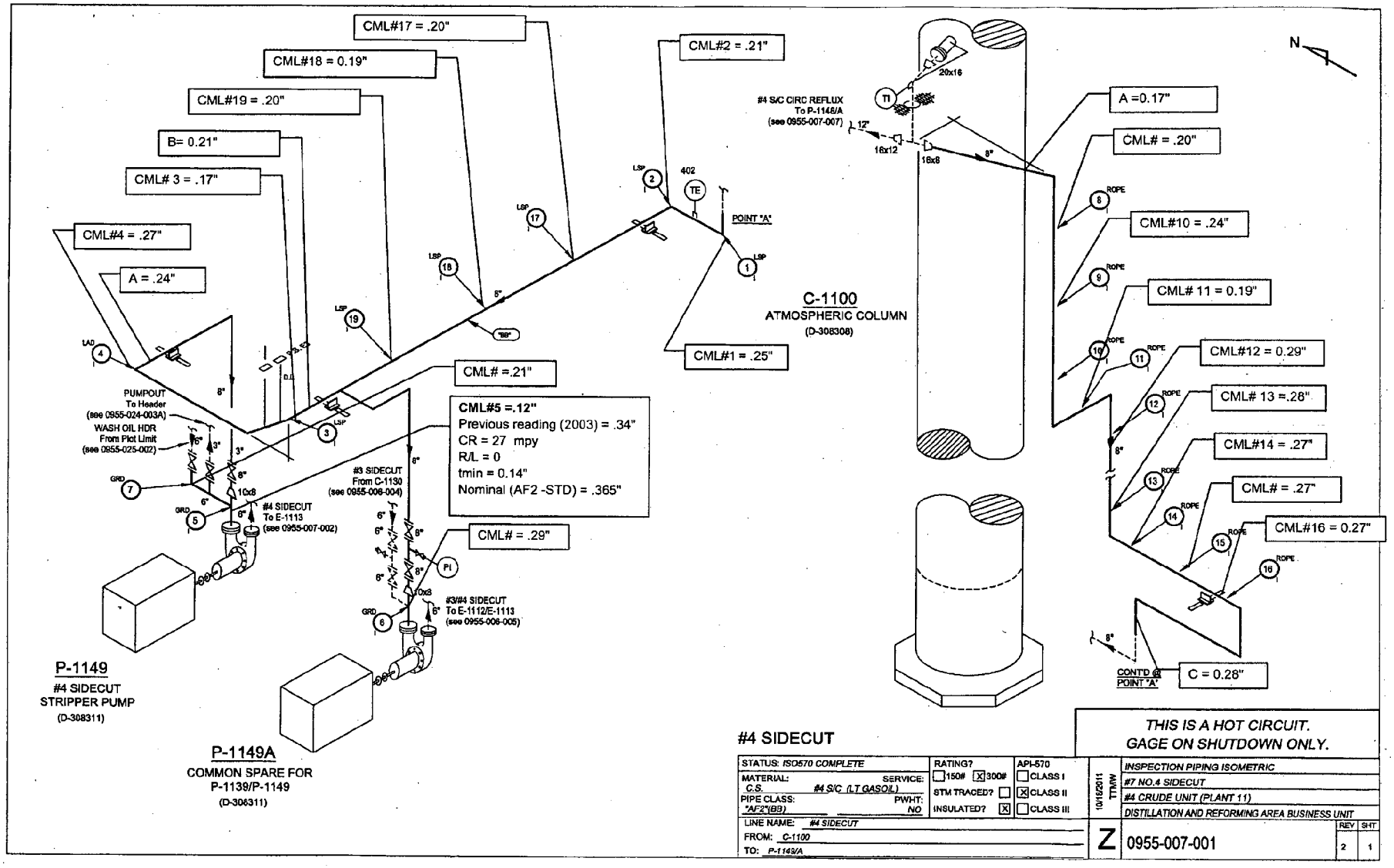
John Beauregard

REVIEWED BY: SNT LEVEL: DATE:

Wo 349787



Rope
#4 S/C CIRC REFLUX
To P-1148/A
(see 0955-007-007)
POINT 'A'
C-1100
ATMOSPHERIC COLUMN
(D-308308)
PUMPOUT
To Header
(see 0955-024-003A)
WASH OIL HDR
From Plot Limit
(see 0955-025-002)
#4 SIDECUT
To E-1113
(see 0955-007-002)
#3 SIDECUT
From C-1130
(see 0955-000-004)
#3/#4 SIDECUT
To E-1112/E-1113
(see 0955-006-006)
P-1149
#4 SIDECUT
STRIPPER PUMP
(D-308311)
P-1149A
COMMON SPARE FOR
P-1139/P-1149
(D-308311)
CONT'D @
POINT 'A'
#4 SIDECUT
STATUS: ISO670 COMPLETE
MATERIAL: C.S.
SERVICE: #4 S/C (LT GASOIL)
PIPE CLASS: 'AF2T8B'
PWHT: NO
RATING? 150# 300#
STM TRACED?
INSULATED?
API-570 CLASS I CLASS II CLASS III
INSPECTION PIPING ISOMETRIC
#7 NO.4 SIDECUT
#4 CRUDE UNIT (PLANT 11)
DISTILLATION AND REFORMING AREA BUSINESS UNIT
LINE NAME: #4 SIDECUT
FROM: C-1100
TO: P-1148/A
Z
0955-007-001
REV 4
SHT 1


CML#17 = .20"
CML#18 = 0.19"
CML#19 = .20"
B= 0.21"
CML# 3 = .17"
CML#4 = .27"
A = .24"
CML#2 = .21"
CML#1 = .25"
CML# =.21"
CML#5 =.12"
Previous reading (2003) = .34"
CR = 27 mpy
R/L = 0
tmin = 0.14"
Nominal (AF2 -STD) = .365"
CML# = .29"
PUMPOUT
To Header
(see 0955-024-003A)
WASH OIL HDR
From Plot Limit
(see 0955-025-002)
#4 SIDECUT
To E-1113
(see 0955-007-002)
#3 SIDECUT
From C-1130
(see 0955-006-004)
#3/#4 SIDECUT
To E-1112/E-1113
(see 0955-006-005)
P-1149
#4 SIDECUT
STRIPPER PUMP
(D-308311)
P-1149A
COMMON SPARE FOR
P-1139/P-1149
(D-306311)
POINT "A"
C-1100
ATMOSPHERIC COLUMN
(D-308308)
#4 S/C CIRC REFLUX
To P-1148/A
(see 0955-007-007)
A =0.17"
CML# = .20"
CML#10 = .24"
CML# 11 = 0.19"
CML#12 = 0.29"
CML# 13 =.26"
CML#14 = .27"
CML# = .27"
CML#16 = 0.27"
C = 0.28"
CONT'D @
POINT "A"
N
THIS IS A HOT CIRCUIT.
GAGE ON SHUTDOWN ONLY.
#4 SIDECUT
STATUS: ISO570 COMPLETE
MATERIAL: C.S.
SERVICE: #4 S/C (LT GASOIL)
PIPE CLASS: "AF2"(BB)
PWHT: NO
RATING? 150# 300#
STM TRACED?
INSULATED?
API-570 CLASS I CLASS II CLASS III
10/15/2011 TTMW
INSPECTION PIPING ISOMETRIC
#7 NO.4 SIDECUT
#4 CRUDE UNIT (PLANT 11)
DISTILLATION AND REFORMING AREA BUSINESS UNIT
LINE NAME: #4 SIDECUT
FROM: C-1100
TO: P-1149/A
Z
0955-007-001
REV 2
SHT 1