Corrosion Report

Chevron

Equipment Location ID	0955-005-016	**Remaining Life (Years)**	42.03
Equip. Location Descrip.	C-1100 NO. 2 SC INLET	**Retirement Date**	01/09/2050
		Last Inspection Date	05/11/2010
		Next Inspection Date	10/24/2017
		Current Corrosion Rate	5.71

DP ID	MEAS METH	DP STAT	DP SZ	DT TYPE	BASE	MEAS 5	MEAS 4	MEAS 3	NEAR	LAST	MIN VALUE	CCR	REM LIFE
001.E	UT	A	12.00	PIPE	0.424 07/02					0.400 02/10	0.140	3.19	81.61
001.N	UT	A	12.00	PIPE	0.477 07/02					0.450 02/10	0.140	3.59	86.47
001.S	UT	A	12.00	PIPE	0.439 07/02					0.420 02/10	0.140	2.52	110.98
001.W	UT	A	12.00	PIPE	0.454 07/02					0.430 02/10	0.140	3.19	91.02
003.1	UT	A	8.00	ELL	0.610 10/02					0.610 02/10	0.140	0.00	∞
003.2I	UT	A	8.00	ELL	0.576 10/02					0.590 02/10	0.140	0.00	∞
003.2O	UT	A	8.00	ELL	0.620 10/02					0.630 02/10	0.140	0.00	∞
003.3	UT	A	8.00	ELL	0.601 10/02					0.620 02/10	0.140	0.00	∞
004.1	UT	A	12.00	ELL	0.588 07/02					0.590 05/10	0.140	0.00	∞
004.2I	UT	A	12.00	ELL	0.583 07/02					0.590 05/10	0.140	0.00	∞
004.2O	UT	A	12.00	ELL	0.590 07/02					0.610 05/10	0.140	0.00	∞
004.3	UT	A	12.00	ELL	0.611 07/02					0.610 05/10	0.140	0.13	3,643.41
005.1	UT	A	12.00	ELL	0.562 07/02					0.560 05/10	0.140	0.26	1,634.24
005.2I	UT	A	12.00	ELL	0.615 07/02					0.610 05/10	0.140	0.64	730.95
005.2O	UT	A	12.00	ELL	0.550 07/02					0.550 05/10	0.140	0.00	∞
005.3	UT	A	12.00	ELL	0.544 07/02					0.550 05/10	0.140	0.00	∞
006.E	UT	A	12.00	TEE	0.840 11/02					0.850 05/10	0.140	0.00	∞
006.J	UT	A	12.00	TEE	0.860 11/02					0.880 05/10	0.140	0.00	∞
006.W	UT	A	12.00	TEE	0.840 11/02					0.850 05/10	0.140	0.00	∞
007.1	UT	A	10.00	ELL	0.490 11/02					0.490 05/10	0.140	0.00	∞
007.2I	UT	A	10.00	ELL	0.550 11/02					0.560 05/10	0.140	0.00	∞
007.2O	UT	A	10.00	ELL	0.510 11/02					0.500 05/10	0.140	1.34	268.06
007.3	UT	A	10.00	ELL	0.520 11/02					0.530 05/10	0.140	0.00	∞
008.1	UT	A	10.00	ELL	0.480 11/02					0.490 10/07	0.140	0.00	∞

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Corrosion Report

Chevron

Equipment Location ID	0955-005-016	**Remaining Life (Years)**	42.03
Equip. Location Descrip.	C-1100 NO. 2 SC INLET	**Retirement Date**	01/09/2050
		Last Inspection Date	05/11/2010
		Next Inspection Date	10/24/2017
		Current Corrosion Rate	5.71

DP ID	MEAS METH	DP STAT	DP SZ	DT TYPE	BASE	MEAS 5	MEAS 4	MEAS 3	NEAR	LAST	MIN VALUE	CCR	REM LIFE
008.2I	UT	A	10.00	ELL	0.513 11/02					0.560 10/07	0.140	0.00	∞
008.2O	UT	A	10.00	ELL	0.470 11/02					0.490 10/07	0.140	0.00	∞
008.3	UT	A	10.00	ELL	0.470 11/02					0.480 10/07	0.140	0.00	∞
010.B	UT	A	12.00	TEE	0.539 07/02					0.510 04/10	0.140	3.76	98.33
010.J	UT	A	12.00	TEE	0.549 07/02					0.560 04/10	0.140	0.00	∞
010.T	UT	A	12.00	TEE	0.571 07/02					0.570 04/10	0.140	0.13	3,307.69
011.1	UT	A	12.00	ELL	0.371 11/02					0.400 12/07	0.140	0.00	∞
011.2I	UT	A	12.00	ELL	0.409 11/02					0.380 12/07	0.140	5.71	42.03
011.2O	UT	A	12.00	ELL	0.356 11/02					0.400 12/07	0.140	0.00	∞
011.3	UT	A	12.00	ELL	0.361 11/02					0.470 12/07	0.140	0.00	∞

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Corrosion Report

Chevron

Equipment Location ID	0955-005-016-I	**Remaining Life (Years)**	78.00
Equip. Location Descrip.	C-1100 NO. 2 SC INLET (INJECTION CIRCUIT)	**Retirement Date**	01/05/2089
		Last Inspection Date	02/10/2010
		Next Inspection Date	11/01/2014
		Current Corrosion Rate	5.00

DP ID	MEAS METH	DP STAT	DP SZ	DT TYPE	BASE	MEAS 5	MEAS 4	MEAS 3	NEAR	LAST	MIN VALUE	CCR	REM LIFE
002.U	UT	A	8.00	ELL	0.310 07/76	0.300 05/82	0.310 03/85	0.310 12/93	0.300 11/99	0.320 11/04	0.140	0.00	∞
003.U	UT	A	12.00	ELL	0.540 07/76	0.520 03/85	0.520 12/93	0.530 11/99	0.576 10/02	0.590 02/10	0.140	0.00	∞
009.R	RT	A	0.75	NIP	0.290 12/02					0.320 12/07	0.100	0.00	∞
013.U	UT	A	8.00	PIPE	0.309 10/02					0.300 12/07	0.140	1.73	92.54
014.U	UT	A	12.00	ELL	0.530 01/11						0.140	5.00	78.00
015.U	UT	A	12.00	ELL	1.000 01/11						0.140	5.00	172.00

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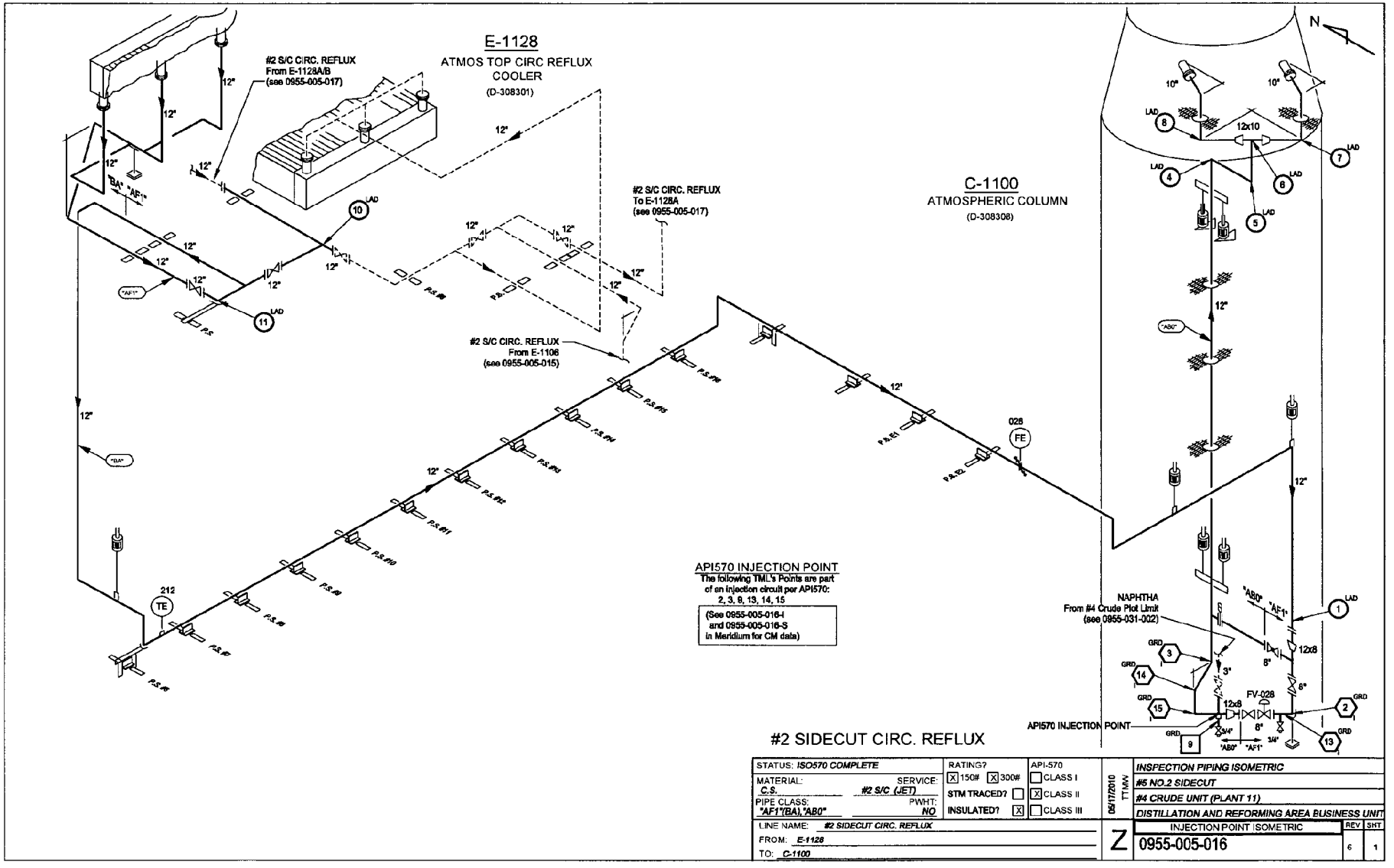
E-1128
ATMOS TOP CIRC REFLUX COOLER
(D-308301)
#2 S/C CIRC. REFLUX From E-1128A/B (see 0955-005-017)
#2 S/C CIRC. REFLUX To E-1128A (see 0955-005-017)
#2 S/C CIRC. REFLUX From E-1106 (see 0955-005-015)
C-1100
ATMOSPHERIC COLUMN
(D-308308)
API570 INJECTION POINT
The following TML's Points are part of an injection circuit per API570: 2, 3, 8, 13, 14, 15
(See 0955-005-016-I and 0955-005-016-S in Meridium for CM data)
NAPHTHA From #4 Crude Plot Limit (see 0955-031-002)
API570 INJECTION POINT
FV-028
212
TE
028
FE
#2 SIDECUT CIRC. REFLUX
STATUS: ISO570 COMPLETE
MATERIAL: C.S.
SERVICE: #2 S/C (JET)
PIPE CLASS: "AF1"(BA),"AB0"
PWHT: NO
RATING? 150# 300#
STM TRACED?
INSULATED?
API-570 CLASS I CLASS II CLASS III
05/17/2010 TT MW
INSPECTION PIPING ISOMETRIC
#5 NO.2 SIDECUT
#4 CRUDE UNIT (PLANT 11)
DISTILLATION AND REFORMING AREA BUSINESS UNIT
LINE NAME: #2 SIDECUT CIRC. REFLUX
FROM: E-1128
TO: C-1100
Z
INJECTION POINT ISOMETRIC
0955-005-016
REV 6
SHT 1