PLAINTIFF'S EXHIBIT CHV-414

LINE	STOCK NO.	DESCRIPTION	Manufacturer & Mfr. Drawing No.	Item No.	ORDERING REFERENCE	COST	NO. IN USE	Spares Ordered	RECOMMENDED STOCK MINIMUM	RECOMMENDED STOCK MAXIMUM*	LINE
1		EXCHANGERS, COOLERS & CONDENSERS (Continued)									1
2											2
3		Shell & Tube Sheet - 25 1/2" OD x 24 3/4" ID x 1/8" Th.					1	2			3
4		Monel & Asb.									4
5		Shell & Shell Cover - 29 3/4" OD x 28" ID x 1/16" Th.					1	2			5
6		Rubber Asbestos									6
7		Channel & Channel Cover - 25 1/8" OD x 24 3/8" ID x					1	2			7
8		1/16" Th. - Rubber Asbestos									8
9		Channel & Tube Sheet - 25 1/8" OD x 24 3/8" ID x					1	2			9
10		1/16" Th. - Rubber Asb.									10
11											11
12		Test Jig			(Use Test Jig for E-1617)			0			12
13											13
14		E-1614 Depentler Water Exchanger	Brown Fintube Company		PY-16E-62						14
15		10 Brown Fintube Sections	Dwg. #C-104-F (FTY-16-B6-1)								15
16		Inner Pipe-1 1/2" O.D. x 0.065 Wall with 1/8" High									16
17		Fins Max. 8-10 Ga. Ni. B-111									17
18		Outer Pipe-3" Sch 40 C.S. A-53 Gr. B									18
19											19
20		E-1621 Debutanizer O.H. Condenser	Western Supply Company		PY-16E-67						20
21		Tubes: 500-3/4" O.D. x 16 BWG x 20' Lg. B-111 Adm.	Dwg. #E-1972-AD (FTY-16-B6/-1)								21
22		Gaskets: Copper Jacketed Asbestos Filled	Dwg. #E-1972-CG (FTY-16-B6/-3)								22
23		Cover to Channel-27-1/2" O.D. x 26-1/4" I.D. x									23
24		1/8" Thk.			(FY-16E-67)		1	2			24
25		Channel to Tube Sht-27-1/2" O.D. x 26-3/4" I.D. x									25
26		1/8" Thk					1	2			26
27		Tube Sht to Shell-27-1/2" O.D. x 26-3/4" I.D. x									27
28		1/8" Thk					1	2			28
29		Armco Iron Jacketed Asbestos Filled									29
30		Shell to Cover-31-7/8" O.D. x 30-7/8" I.D. x									30
31		1/8" Thk Solid Copper			(PY-16E-67)		1	2			31
32		Floating Head-24-15/16" O.D. x 24-1/16" I.D. x									32
33		1/16" Thk					1	2			33
34		Test Jig			(PY-16E-67)			1			34
35											35
36		E-1622 Debutanizer Reboiler	Southwestern Engineering Co.		PY-16E-6						36
37		Tubes: 371-3/4" O.D. x 14BWG x 10'Lg. C.Stl	Dwg. #AM-53393 (FTY-16-B6-2)								37
38		Gaskets: Stl Clad Double Jacketed Asbestos	Dwg. #AM-53661 (FTY-16-B6-4)								38
39		Filled									39
40		Channel to Tube Sht-26-1/4" O.D. x 24-1/2" I.D. x									40
41		1/32" Thk.			(PY-16E-6)		1				41
42		Tube Sht to Shell-26-1/4" O.D. x 24-1/2" I.D. x									42
43		3/32" Thk					1	4			43
44		Shell to Shell Cover-26-1/4" O.D. x 24-1/2" I.D. x									44
45		3/32" Thk					1				45
46		Floating Head-23-7/8" O.D. x 20-1/8" I.D. x									46
47		3/32" Thk Palmetto Gasket					1	2			47
48		Packing- 11 Lbs Ft x 1/8" Sq.									48
49		Test Jig			(PY-16E-6)			1			49
50											50
51											51
52											52
53											53

REVISIONS		NOTES	ENG. DEPT. APP.	OPERATING DEPT. APP.
1				
2	CHEV B8 6311	* Check with Engineering Dept. before ordering.		
3				
4				
5				

EXCHANGERS, COOLERS & CONDENSERS

MAINTENANCE MATERIAL LISTS
FOR
CRUDE UNIT #6
F-292 PROGRAM - EL PASO

DATE 7-17-57
DR. ____ CH. ____
JOB ENG. KEA

PD-16-16135-O

SH ____ OF 16 SHTS