FORM U-1 MANUFACTURER'S DATA REPORT FOR PROSURE VESSELS (Alternative In for Single Chamber, Completely Shop-Fa. ated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII. Division 1

F-4

			10 10 10 10			TAILE GOLG !	14100, 00000	i vill, Divis	10111	d.
1. Manufact	ured and cert	tified by PR	ODUCTS FABI	RICATION IN	C 1602 MOC		HOUSTON TE			
Manufacti	ured for P	LENTY FILTE	RATION, 19203	HEMPSTEAD	HWY, HOUS	N•. 1802-1803-1804-1804				
_ocation o	of installation	PLENTY F	FILTRATION, 19	9203 HEMPST		The second secon	EXAS 77065			
4. Type:		L VESSEL				(Name and	20dress) 03-7514	-B1	4522	2003
5. The chem	ical and phys	r vert. tank) sical properties	(Migr's seria of all parts meet th	ne requirements	(CRN) of material spec	ifications of the /	(Drawing ASME BOILER AN	no.) ID PRESSURE	(Nat'l Bd. No.	
VESSEL C	ODE. The de	esign, construct	ion, and workman	ship conform to	ASME Rules, S	ection VIII, Divis	ion 1	133	2001 Year	•••
to	·	2002 Addenda (Date)				-				
6. Shell:	SA	-516-70		0.375*	Code	Case Nos. 0.125"		45.250*	Special Service per U	G 120(d) 29.500"
7. Seams:	Matt. (Sp WELD	ec No., Grade)	SPOT	Nom. Thk. (in.) 85 1150		Corr. Allow. (in.)		am. I.D. (ft. & in.)	A STATE OF THE PROPERTY OF THE PARTY OF THE	gth (overall) (R. & in.)
	Long. (Weld	ed, Dbl.,	R.T. (Spot or Full)	Eff. (%)	H.T. Temp (F)	Time (hr)	Girth (Welder	1, Dbl.,	SPOT R.T. (Spot, Partial,	No. of Courses
8. Heads: (a)		are an area of the second of t	SA-51	6-70		(b) Mati.	Sngl., Lap, I		or Full) SA-516-70	
			(Spec No.,						pec No., Grade)	
	tion (Top, om, Ends)	Minimum Thickness	Corrosion	Crown Radius	Knuckie Radius	Elliptical Ratio	Conical Apex Angle	Hemispherica Radius	al Flat Diameter	Side to Pressure
	ГОР	0.375"	0.125"		-	2:1	-	-	- Challington	(Convex or Concave) CONCAVE
	TTOM	0.375* (describe other	0.125*	-	-	2:1		-	-	CONCAVE
II TOITIOVADIO	e, boits used	(describe other	rastenings) (2	(0) 1" - 8 UNC	HX HD CAP		193-B7 (PLATE)			
9. MAWP			150			psi at max. te		20,110.7	250	*1
Min. design	metal temp.		-20	°F at	150		iro., passas, consessa	test pressure		 25 psi
10. Nozzles, in	spection and	safety valve op	enings:							<u> </u>
Purpose		Diam.				Nom.	Reinforcerr	nent	How	
Inlet, Outlet, E	t, Outlet, Drain) No. or Size Inlet 1 10" CL1		CL150RFWN	Matt. SA-105		0.718*	Matt,		Attached	Location
Outlet	1	10"	CL150RFWN	SA-1		0.718"			WELDED	BOTTOM
Vent	1	1/2"	6M CPL	SA-1		-	-	-		TOP
Drain	1	3/4"	6M CPL	SA-1	05	-	-	-		воттом
)P Conr	1 2	1/2"	6M CPL	SA-1	05	-	-		WELDED	воттом
-		 	- +		-	-	-			
		 	 - 						-	-
11 Cumada C	·	V=0				- 1	_		-	
11. Supports: S		YES 1	Lugs (No.)	Legs	(No.)	Other	(Describe)	At		DED BOTTOM
12 Remarks: M		The state of the s	8 8	entified and signe	87 50	aned Inspectors	,	ad for the follow) ving items of the rep	Where and how)
-	in i	o . Li sai Daa i .	opor as property lac	situated and signe	d by commissi	area mspecturs	TREVE DOCT TOTTIST	od for a lo follow	and mens of the teb	- <u>-</u>
				(Name of part, its	em number, Migris	s name and identify	ring stamp)			
			9							
-EXEMPT FR	OM IMPAC	CT TESTING	PER UG-20 & L				STED IN VERT	ICAL POSIT	ION	
						op complia	. 1			
			de in this report an sels, Section VIII, I				1 9	.0	this vessel conform	
	T/ / -	_	-control of the second of the				26777	expines	12/23	2004
Date	110	Co. Nam	PRODUCTS	FABRICATIO (Manufactur		Sign	mad in the	NUCK	C) IVIL	
						OP INSPECT	I/AI	(Nupres	entative)	
Vessel or	structed by	ppr	DUCTS FABRI					HOUSTO	N, TEXAS 7709	2
		Commence of the last of the la	the state of the s				el Inspectors and the			
	TX	and employed				HSB CT	1000 mg		h	eve inspected
A WILLIAM AND			acturer's Data Rep	a contact a production of		2003			f my knowledge and	
									er the inspector nor more, neither the in	
							inutacturer's Data in kind arising from or			spector
	-1-03	_			//				TX 105	70
Jab	100	Olginou	(A	uthorized Inspector)			and the second second	ements) State, Prov. an	
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CEI Form 1002 Rev. 4

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proprietory and must not be copied, duplicated or reproduced in any form without the expressed written consent of PLENTY FILTRATION

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proprietary and must not be copied, duplicated or reproduced in any form without the expressed written consent of PLENTY FILTRATION INSPECTION NONDESTRUCTIVE EXAMINATION ICE WITH: IN HOUSE: ALL ITEMS ARE INSPECTED BY OUR QUALITY CONTROL REP. RADIOGRAPHY: YES, RT-3 ON "2001" ADDENDA "2002" LOCATION: ONE SPOT ON THE INTERSECT. CODE: HSB CT NATIONAL BOARD: YES, LATER OF THE CIRCUM. SEAM TO LONG. SEAM CUSTOMER: -SHALL BE RADIOGRAPHED. THIRD PARTY: -MAG. PARTICLE: N/A 250 °F LOCATION: SURFACE PREP./PAINTING REQUIREMENTS A DYE PENETRATE: N/A INTERNAL: NEAR WHITE BLAST (SSPC-SP10) 150 PSIG LOCATION: EXTERNAL: NEAR WHITE BLAST (SSPC-SP10) INTERNAL COATING: LIGHT COAT RUST INHIBITING OIL ULTRASONIC: N/A EXTERNAL COATING: PRIMER: CARBOZINC 11 (3-4 MILS DFT) COLOR: 0300 GREEN LOCATION: FINISH: CARBOGAURD 890 (4-7 MILS DFT) COLOR: SAFETY WHITE S800 ATE OF: 400 'F PER HOUR HARDNESS: N/A LOCATION: RATE OF: 500 'F PER HOUR 'SIG FOR: 1 HR CHART: NO NOTES:

1) ALL WELDS OF ATTACHMENTS NOT DETAILED SHALL BE FILLET TYPE NOT LESS THAN 3/16", (I.E. BAFFLE PLATE, LEGS, N.PLATE BRACKET, HANDLE, DAVIT GUSSET, NOZZLE SCHEDULE & WELDING DETAILS 1/8" 3:1 TAPER SUPPORT PLATE DETAIL 34/ P1-MHT 1-MHT 41/ LONG SEAM (P1-AHT) 42/CIRCUM. SEAM (P1-AHT) 51/ P1-MHT 52/ GIRTH SEAM (P1-AHT) E1,E2 1/2" 6000# 2 NPT CPLG DP CONNECTIONS 1/4" 2 P1-MHT D 1 3/4" 6000# NPT CPLG 1/4" DRAIN P1-MHT C 1/2' 6000# NPT CPLG VENT 2 1/4" P1-MHT P.S.I. B 150# 10" RF WN OUTLET 1/4" 10.75" | 0.718" 26,34,40,42 P1-MHT 10" 150# Α RF WN INLET 26,34,40,42 1/4" 10.75" 0.718" P1-MHT Α B C **NECK** NECK REINFORCING P.S.1. MARK QTY SIZE RATING **FACING** TYPE SERVICE O.D. THK. PAD SIZE WELD SIZE NOZZLE NOTES: 1) DRILL & TAP 1/4" NPT HOLE IN RE-PADS. 2) INSIDE EDGES OF NOZZLE NECKS SHALL BE ROUNDED TO 1/8" RADIUS OR HALF THE WALL THICKNESS IF LESS THAN 1/4". 3) GOUGE, GRIND OR CHIP INSIDE TO SOUND METAL BEFORE WELDING. SCALE: PAGE: SHOP NO: TAG NO: N/A 7514-3 2 OF 3 111136-OD ONE F-4 5 DRAWN BY: DATE: ROBERT C 2/27/03 4 ENG. MGR.: DATE: 19203 HEMPSTEAD HIGHWAY HOUSTON, TX 77065 3 PH (281) 807-2814 TELEFACS (281) 807-2854 3/28/03 Q.C HOR.: CUSTONER: DATE: 3/28/03 ANADARKO PETROLEUM 103000244 REVISED PER CUSTOMER COMMENTS 3/27/03 RC HODEL SERVICE PROJECT MGR.: BFE-21-150-10-CS ↑ FIRST ISSUE RICH AMINE FILTER Α 2/27/03 RC SHIPPING MOR.:

DRAWING DESCRIPTION:

DESIGN DATA/ WELD MAP

CAD FILE:

7514B2

DRAVING NO:

03-7514-B2

DATE:

NO.

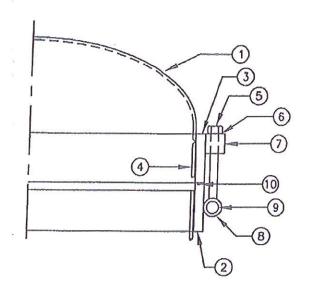
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DATE

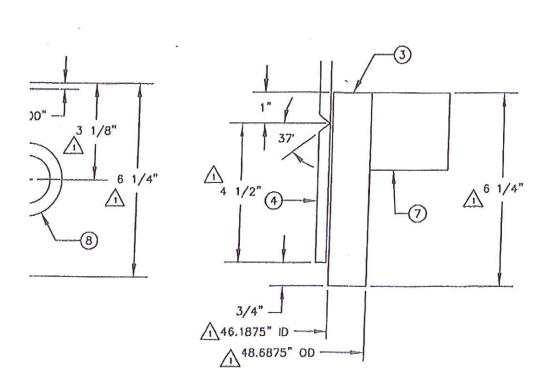
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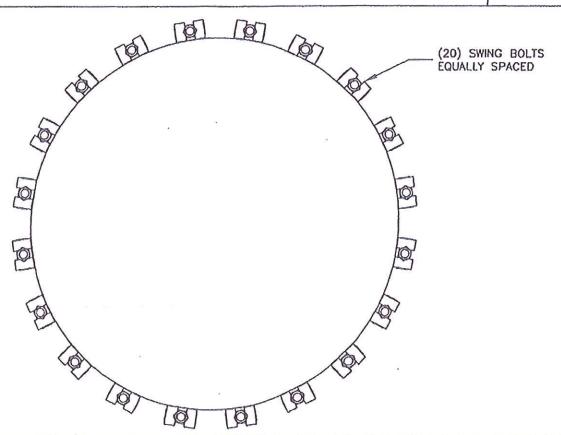
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NO.	QTY,	DESCRIPTION	MATERIAL
1/1	1	3/8" THK × 46" OD 2:1 ELLIP. HEAD W/ 2" S.F (0.3324" MIN)	SA-516-70
2/1	1	1 1/4" THK x 149.03" LONG x 6 1/4" WIDE (ROLLED TO 48 11/16" OD)	SA-516-70N
3/1	1	1 1/4" THK x 149.03" LONG x 6 1/4" WIDE (ROLLED TO 48 11/16" OD)	SA-516-70N
4/1	1	3/8" THK x 143,34" LONG x 4 1/2" WIDE (ROLLED TO 44" OD)	SA-516-70
5/1	20	1"-8 UNC x 10 3/4" LONG HEX HEAD CAP SCREW (PLATED)	SA-193-B7
6	20	1" PLAIN FLAT WASHER (PLATED)	SA-36
7	40	1/2" THK x 2 1/2" x 2 1/2"	SA-36
8	40	2" XXH (0.436" WALL) PIPE x 1 1/4" LONG	SA-106-B
9	20	1.41" Ø PD BAR x 3 3/4" LONG (PLATED)	SA-193-B7
101	1	O'RING TO SUIT 46" QUICK OPEN CLOSURE P/N: 0-1-4760-275-B	BUNA N
11	-		
12	-		





6		``		SCALE: 1"=1'	PAGE: 1 OF 1	SHOP NO: 7514-3	WORK ORDER: 111136-OD	ONE	F-4	
5				DRAWN BY:	DATE:	D	lenty	/ Filt	ratic	N/O
4				ROBERT C	2/2//03		10 11 C	1 11 11 11 11	I CILIL	וווע
3	.,,			ENG. NIGR.:	DATE:	19203 HEMPSTEAD HIGHWAY PH (281) 807-2814 TELEF				
2				QC. MGR.:	DATE:	CUSTOMER:		PO NO:		
	DEVICED TO 10° OLOCUPE	7 /07 /07		- MMOSS	3/28/03	ANADARKO PETROL	EUM		000244	
1	REVISED TO 46" CLOSURE	3/27/03	RC	PROJECT NOR.:	DATE:	HODEL	^	SERVICE		
Α	FIRST ISSUE	2/27/03	RC			BFE-21-150-1	0-CS (1)	RICH	I AMINE FIL	.TER
	· · · · · · · · · · · · · · · · · · ·			SHIPPING MGR.:	DATE:	DRAWING DESCRIPTION:		CAD FIL	D:	DRAWING NO:
NO.	REVISIONS	DATE	BY	1		CLOSURE DETAIL		7514	B4	03-7514-B3

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PART NO.		SIZE & DE	SCRIPTION			SPECIFICAT	AL TIONS	REMARKS	PRICE OF MATERIALS	VENDER	RECEIVING INSPECTION ACCEPTANCE	CERT'S	80
1484	46" QUICK	OPEN CLOSURE	SA-516-70						YES				
-1-4760-275-B		BUNA N											
	3/8" THK	SA-516-70						YES					
	3/8" THK PLATE x 46" OD 2:1 ELLIP. HEAD W/ 2" S.F (0.3324" MIN)											YES	
	10" XH (0.500" WALL) PIPE											YES	
	10" XH (0	.500" WALL) 90' LR ELBOW	SA-234-WPI	В					YES				
	10" 150#	SA-105						YES					
	1/2" 6000	SA-105											
	3/4" 6000	# NPT (HALF) COUPLING	SA-105										
3110V	3" DAVIT A	SSEMBLY				CS							
1487	3/8" THK	PLATE x 143.34" LONG x 38 1	1/8" WIDE (ROLL	ED TO 46	" OD)	SA-36							
14B7	1/2" THK	PLATE x 52" OD x 40" ID				SA-36							
	10" CTD W	. (0.775" WILL) DIDE					-						
	18 SID W	(0.375" WALL) PIPE				SA-106-B							
		NTE x 45 1/8" OD 2 SIZE SNAP IN FILTER BASKE	·			SA-516-70							
			316SS										
	PLENTY No.												
	1/4" THK '	SA-36											
	CODE NAME	SS											
CONTRACTOR OF SHAPE ASSESSMENT AS	PLENTY NAM	SS											
	10" S/100	SA-106-B						/ES					
	1/4" THK F	SA-36											
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MARKINGS MU PON RECEIPT. TOTAL COUNT	Sec. 101 Sec. 100-10 April 100-100	ISFERRED AS REQUIRED BY SEC	CTION II OF THE	CODE.									
0,000		6			SCALE:	PAGE:	SHOP NO:	VORK			No:	Bridger opposite	-
		5			N/A	3 OF 3	7514-3 111136-OD ONE F-4						
	-	DRAWN BY: ROBER						Ple	ntv F	Iltr	ation		- 1
		ENG. MGR.					PIC 2/27/03 PICILY FILL ALION 19203 HEMPSTEAD HIGHWAY HOUSTON, TX 77065						
	-	3					OU CANUED	PH (281) 807-2814 TELEF			807-2854		
	1.3	?			Q.C.YIOR:	0/17E:	CUSTONER: ANADARKO PETROLEUM			PO NO: 103000244			1
		REVISED PER CUSTOMER COMMENTS	3/27/03		PROJECT NO		WODEL			SERVICE SERVICE			
	A FIRST ISSUE 2/27/03 RC					***************************************	BFE-2	1-150-10-0	<u>A</u>	RICH A	MINE FILTER		
	NO		DATE		SHIPPING NO	DR: DATE:	BILL O	SCRIPTION: F MATERIALS	23	CAD FILE: 7514B3	DRAWIN	о но: 7514-8	83

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