

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Brentford Compressor Station</u>					
	Suction Pressure Controller			98		Closed
	Station Discharge Relief Valve			325		Open
D	<u>Brentwood Compressor Station</u>					
	Low Pressure Shutdown LPSDX-2, LPSDX-3			375		Closed
	High Pressure Shutdown HPSDX-1			925		Closed
	Station Relief Valves	X,Y,Z,D,N		990		Open
	Low Pressure Shutdown LPSDX-3			990		Closed
C	<u>Burney Compressor Station (L-400)</u>					
	Discharge Pressure Controller			908		Closed
	High Discharge Pressure Shutdown			925		Closed
	Station Relief Valves	D,E		935		Open
	Low Pressure Shutdown			800		
B	<u>Delavan Compressor Station (L-400)</u>					
	Discharge Pressure Controller			1037		Closed
	High Discharge Pressure Shutdown			1060		Closed
	Station Relief Valves	D,E		1070		Open
	Low Pressure Shutdown			820		

NO. DATE		DESCRIPTION		CHKD.	DATE	APPROVED BY	GM	PIPELINE - DATA SHEET		BILL OF MATERIAL	
								OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
								PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
								PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 1	
								SAN FRANCISCO, CALIFORNIA		18308	

PG&E 15X JAN MAR MAY JULY SEPT NOV 78
 FEB APR JUNE AUG OCT DEC

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
			Garber Compressor Station (1-400)			
E	Discharge Pressure Controller			908		Closed
	High Discharge Pressure Shutdown			925		Closed
	Station Relief Valves	D, E		935		Open
	Low Pressure Shutdown			600		
Minkley Compressor Station (1-300A)						
D	Low Pressure Shutdown			489		Closed
	High Pressure Shutdown			870		Closed
	Station Relief Valves (Scrubbers)			577		Open
	Station Relief Valves (Discharge)	A, B		900		Open
Berkeley Compressor Station (1-300B)						
C	Low Pressure Shutdown			416		Closed
	High Pressure Shutdown			849		Closed
	Station Relief Valves (Scrubbers)			673		Open
	Station Relief Valves (Discharge)	G, K		900		Open
Los Madanos Compressor Station (2-4)						
B	High Pressure Shutdown (Discharge)			900		Closed
	Station Relief Valves					
	Station			500		Open
	Interstage			490		Open
A	Discharge			1000		Open
				950		Open

PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPE LINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA										BILL OF MATERIAL DRAWING LIST SUPERSEDES SUPERSEDED BY SHEET NO. 2 SHEETS 78	
REVISIONS NO. DATE DESCRIPTION CHG. CHNL. CHND. SUPPL. APPL.										APPROVED BY SUPPLY CHECK DRAWN CHECKED DATE SCALES	

PG&E 15X JAN MAR MAY JULY SEPT NOV FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE		
			CLOSE	SET	OPEN			
E	<u>McDonald Island Compressor Station</u>							
	Low Pressure Shutdown			300		Closed		
	High Pressure Shutdown			2160		Closed		
D	Station Relief Valves	Q,R		2160		Open		
	<u>McDonald Island Withdrawal System</u>							
	<u>Tionesta Compressor Station (L-300)</u>							
D	Discharge Pressure Controller			908		Closed		
	High Discharge Pressure Shutdown			925		Closed		
	Station Relief Valves	L,M		925		Open		
C	Low Pressure Shutdown			300		Closed		
	<u>Topock Compressor Station (L-300A)</u>							
	Low Pressure Shutdown			329		Closed		
C	High Pressure Shutdown			875		Closed		
	Station Relief Valves (Scrubbers)			660		Open		
	Station Relief Valves (Discharge)	D,F,I		900		Open		
A	REVISIONS		APPROVED		PIPELINE - DATA SHEET		BILL OF MATERIAL	
	NO.	DATE	DESCRIPTION	CM	DATE	OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST
						PIPELINE OPERATIONS DEPARTMENT		SUPERSEDED BY
				CM	DATE	PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 3
					SCALE	SAN FRANCISCO, CALIFORNIA		REV. 0

PG&E 15X JAN 1958 FEB APR MAY JUNE JULY SEPT OCT NOV DEC 78

LINE	VARIOUS TERMINALS - BY LINE FED. DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
			Amiok Terminal			
E	L-1148 from L-316 (Monitor)	V-115		690		Closed
	L-1148 from L-400 (Monitor)	V-97		590		Closed
D	L-1318 from L-124W (Monitor)	V-86		345		Closed
	L-1318 from L-131M (Monitor)	V-86		345		Closed
	L-1318 Header from L-316 (Monitor)	V-114		415		Closed
	L-1318 from L-400 (Monitor)	V-93		350		Closed
C	L-1318 Header from SP-4 (Monitor)	V-86		438		Closed
	L-191 from L-114W (Monitor)	V-158		345		Closed
	L-191 from L-131M (Monitor)	V-158		345		Closed
	L-191 from L-316 (Monitor)	V-158		345		Closed
	L-191 from L-400 (Monitor)	V-93		345		Closed
	L-191 from SP-4 (Monitor)	V-158		345		Closed
B	L-3038 from L-400 FLS (Monitor)	V-149 (Reg)		710		Closed
		V-151 (Reg)		700		Closed
		V-152		740		Closed
		V-154		740		Closed
	SP-4 Header from L-400 (Monitor)	V-96		375		Closed

<input type="checkbox"/> BILL OF MATERIALS <input type="checkbox"/> ISSUE FOR USE		APPROVED BY: <u>TR</u> GM: <u>TR</u> SUPV: <u>TR</u> DESK: <u>TR</u> CHAD: <u>TR</u> DATE: 12/7/78 SCALES:		PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPE LINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA		BILL OF MATERIALS DRAWING LIST SUPERSEDED BY SHEET NO. 4 SHEETS: 10 REV. 1	
REVISIONS NO. DATE DESCRIPTION GM CHAD SUPV APPL				183018			

PGE 15X
 JAN MAR MAY JULY SEPT NOV
 FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Antioch Terminal (Continued)</u>					
	EP-5 from L-111N (Monitor)	V-198		345		Closed
	EP-5 from L-131N (Monitor)	V-198		345		Closed
	EP-5 from L-216 (Monitor)	V-198		345		Closed
	EP-5 from L-400 (Monitor)	V-96		375		Closed
D	<u>Contra Costa P.P. from L-111N (Monitor)</u>					
		V-155		195		Closed
		V-156		195		Closed
	Contra Costa P.P. from L-131N (Monitor)	V-155		195		Closed
	Contra Costa P.P. from L-131S Header (Monitor)	V-155		195		Closed
C	<u>Contra Costa P.P. from L-400 (Monitor)</u>					
		V-196		195		Closed
		V-92		195		Closed
		V-155		195		Closed
		V-156		195		Closed
B	<u>Contra Costa P.P. - (Relief Valves)</u>					
		10"		210		
		10"		210		
A	<u>Branchhead Terminal</u>					
	L-114S from L-57B (Monitor)	V-126		320		Closed
	L-114S from L-303W (Monitor)	V-85		605		Closed

NO. DATE		DESCRIPTION		CM	DWN	CHNGD	SUPV	APVD.
REVISIONS								
APPROVED BY				CM	SUPV.	DESIGN	DWN.	CHNGD.
DATE				DATE	SCALE			

PIPELINE - DATA SHEET

OVERPRESSURE PROTECTION DEVICE SETTINGS

PIPE LINE OPERATIONS DEPARTMENT

PACIFIC GAS AND ELECTRIC COMPANY

SAN FRANCISCO, CALIFORNIA

BILL OF MATERIAL

DRAWING LIST

SUPERSEDED BY

SUPERSEDED BY

SHEET NO. 5

REV. 0

183018

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JAN MAR MAY JULY SEPT NOV
FEB APR JUN AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E D C B	<u>Brentwood Terminal</u> (Continued)					
	L-1318 from L-578 (Monitor)	V-126		520		Closed
	L-1313 from L-303N (Monitor)	V-64		510		Closed
	L-1313 from Brentwood (Monitor)	V-84		340		Closed
	L-303N from L-57A (Monitor)	V-72		620		Closed
	L-303N from L-57B (Monitor)	V-113		630		Closed
		V-117		640		Closed
	L-3038 from L-57A (Monitor)	V-83		610		Closed
		V-44		605		Closed
	SP-2 from L-57A (Monitor)	V-65		615		Closed
	SP-2 from L-57B (Monitor)	V-108		615		Closed
	SP-2 from L-303N (Monitor)	V-66		600		Closed
	SP-3 from L-57A (Monitor)	V-4		350		Closed
	SP-3 from L-303N (Monitor)	V-4		350		Closed
<u>Milpitas Terminal</u>						
L-101 from Mixer (Block Valves)	V-92, V-94		Set open		Closed	
L-109 from Mixer (Monitor)	V-93		375		Closed	
L-132 from Mixer (Monitor)	V-91		400		Closed	

C 1/10/78		ISSUE PROCEDURE		APPROVED BY		DATE 7/27/78	
A		GM		SUPV.		BILL OF MATERIAL	
		PERSON		DRAWN		DRAWING LIST	
		CHKD.		DATE		SUPERSEDES	
		SCALE		SHEET NO. 2		SUPERSEDED BY	
REV. DATE		DESCRIPTION		DATE 7/27/78		SHEETS	
						REV	
						183018	
						78	

PG&E 15X JAN MAR MAY JULY SEPT NOV 78
FEB APR JUNE AUG OCT DEC

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	Milpitas Terminal (Continued)					
	Out of Mixer from L-100 (Monitor)	V-2		500		Closed
	Out of Mixer from L-107 (Monitor)	V-6		485		Closed
	30" Dist main to San Jose from Mixer (Monitor)	V-123		195		Closed
D						
C						
B						
A						

NO. DATE	DESCRIPTION	GM	DNM	CHD	SUP	APVD	APPROVED BY DATE	GM SUPP. ESGN. DNM. CHD. G.W. DATE 9/27/78 SCALE	PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPE LINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA	BILL OF MATERIAL DRAWING LIST SUPERSEDED BY SUPERSEDED BY SHEET NO. 7 SHEETS
REVISIONS									83018	

PG&E 15X JAN MAR MAY JUN SEPT NOV FEB APR AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Buckeye Creek PIG (V-100)</u>					
	36" MSV	V-233.87	970	970	968	Closed
	20" MSV	V-3		975		Open
	12" MSV	V-A		990		Open
D	<u>Crockett Junction PIG (SP-3)</u>					
	22" MSV	V-188.49	850	850	850	Closed
	6" MSV	V-B		865		Open
	4" MSV	V-D		870		Open
C						
B						
A						

D. Smith		ISSUE FOR USE		APPROVED BY		GM		PIPELINE - DATA SHEET		BILL OF MATERIAL	
				DWN.		DWN.		OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
				CHKD.		CHKD.		PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
				DATE 7/27/78		DATE 7/27/78		PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 2	
				SCALE		SCALE		SAN FRANCISCO, CALIFORNIA		REV	
										183018	
										SHEETS	
										2	
										REV	
										0	

PG&E 15X JAN MAR MAY JULY SEPT NOV FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Boy Creek PLS (L-306)</u>					
	20" NGV	V-43.3		630		Closed
	10" 30V	V-4		675		Open
D	<u>Elkhorn Station (L-138)</u>					
	L-138 (Monitor)	V-3		690		Closed
		V-4		690		Closed
C	<u>Indian Springs PLS (L-400A)</u>					
	36" NGV	V-48.0A	865	860	855	
	20" 30V	V-3	890	880	870	
	12" 30V	V-4	900	905	910	
B	<u>Redwood Pass PLS (L-300)</u>					
	34" NGV (L-300A)	V-46L.07A		631		Open
	12" NGV (L-300A)	V-A		69A		Open
	34" NGV (L-300B)	V-46L.06B		631		Open
	12" NGV (L-300B)	V-A		69A		Open
	<u>Wain Tract PLS (L-37A)</u>					
	Automatic Valve	V-T.47		862		Closed

APPROVED		PIPELINE - DATA SHEET		BILL OF MATERIAL	
DATE		OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
DESCRIPTION		PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
GM		PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 9	
CWN		SAN FRANCISCO, CALIFORNIA		SHEETS	
CHKD.				REV. C	
SUPV.				183018	
APVD.				C	
DATE 7/17/78		SCALES		INCH	
REVISIONS					

PG&E 15X JAN MAR MAY JULY SEPT NOV 78
 FEB APR JUNE AUG OCT DEC

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Palm Street PMS (#-57A) Continued</u>					
	Automatic Valve	V-3		867		Closed
	Monitor Blowoff	V-A		940		Closed
D	<u>P.L. Station 1A (#-300A)</u>					
	3/4" MEV	V-40,87A	753		753	Open
	2 1/2" BPF	V-3	773		758	Open
	12" DSBV	V-A	806		816	Open
	12" USBV (Downstream Control Settings)	V-B	816		826	Open
C	<u>P.L. Station 1B (#-300B)</u>					
	3/4" MEV	V-40,89B	753		753	Open
	2 1/2" BPF	V-6	773		758	Open
	12" DSBV	V-C	806		816	Open
	12" USBV (Downstream Control Settings)	V-D	816		826	Open
B	<u>P.L. Station 2A (#-300A)</u>					
	3/4" MEV	V-103,72A	661		651	Open
	2 1/2" BPF	V-3	681		666	Open
	12" DSBV	V-A	699		709	Open
	12" USBV	V-B	817		827	Open

C 10/13/82 ISSUE FOR USE		APPROVED BY	CM	PIPELINE - DATA SHEET		BILL OF MATERIAL	
		72	SUPV.	OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
		1/11	DESN.	PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
			CHRD.	PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 10 SHEETS	
			DTE.	SAN FRANCISCO, CALIFORNIA		REV. 0	
			DATE 7/27/78			183018	
			SCALE			INCH	
REVISIONS							

PG# 15X JAN MAR APR MAY JUN JULY SEPT NOV
FEB APR JUN AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>P.L. Station 2AX (L-300A)</u>					
	34" MLV	V-130.37A	373		372	Open
	12" DSBV	V-C	625		630	Open
D	<u>P.L. Station 2B (L-300B)</u>					
	34" MLV	V-103.11B	661		661	Open
	24" BV	V-6	681		666	Open
	12" DSBV	V-C	699		709	Open
C	<u>P.L. Station 2BY (L-300C)</u>					
	34" MLV	V-130.40B	573		571	Open
	12" DSBV	V-A	625		630	Open
B	<u>P.L. Station 3A (L-300A)</u>					
	34" MLV	V-203.02A	783		773	Open
	24" BV	V-3	803		788	Open
	12" DSBV	V-A	849		859	Open
	12" DSBV (Downstream Control Settings)	V-B	899		869	Open

APPROVED GM SUPV. DESK. DWN. CHD. O.K. DATE 9/7/78 SGTLES		PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPE LINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA		BILL OF MATERIAL DRAWING LIST SUPERSEDED BY SUPERSEDED BY SHEET NO. 183018 SHEETS REV. 2	
REVISIONS NO. DATE DESCRIPTION GM ENR CHD. SUPV. APVD.					

PG&E 15X JAN MAR MAY JULY SEPT NOV FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE																																																																																																
			CLOSE	SET	OPEN																																																																																																	
E	<u>P.L. Station 3B (I-100B)</u>																																																																																																					
	34" MV	V-203.078	783		773	Open																																																																																																
	24" BPV	V-6	803		788	Open																																																																																																
	12" DSBY	V-8	819		859	Open																																																																																																
	12" USBY (Downstream Control Settings)	V-P	859		859	Open																																																																																																
D	<u>P.L. Station 3A (I-100A)</u>																																																																																																					
	34" MV	V-256.211	713		703	Open																																																																																																
	24" BPV	V-6	733		718	Open																																																																																																
	12" DSBY	V-C	774		794	Open																																																																																																
	12" USBY	V-D	896		906	Open																																																																																																
C	<u>P.L. Station 3B (I-100B)</u>																																																																																																					
	34" MV	V-256.643	713		703	Open																																																																																																
	24" BPV	V-3	733		718	Open																																																																																																
	12" DSBY	V-4	774		794	Open																																																																																																
	12" USBY	V-B	896		906	Open																																																																																																
A	<table border="1"> <tr> <td>2/19/78</td> <td>ISSUE FOR USE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">APPROVED BY</td> <td colspan="2">DATE</td> <td colspan="2">SCALE</td> <td colspan="2">PIPELINE - DATA SHEET</td> <td colspan="2">BILL OF MATERIAL</td> <td colspan="2">DRAWING LIST</td> </tr> <tr> <td colspan="2">G.M.</td> <td colspan="2">2/22/78</td> <td colspan="2">1/4"</td> <td colspan="2">OVERPRESSURE PROTECTION DEVICE SETTINGS</td> <td colspan="2">SUPERSEDED BY</td> <td colspan="2">SUPERSEDED BY</td> </tr> <tr> <td colspan="2">S.M.</td> <td colspan="2">3/2</td> <td colspan="2">DATE 2/22/78</td> <td colspan="2">PIPE LINE OPERATIONS DEPARTMENT</td> <td colspan="2">SHEET NO. 12</td> <td colspan="2">SHEETS 12</td> </tr> <tr> <td colspan="2">O.M.</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">PACIFIC GAS AND ELECTRIC COMPANY</td> <td colspan="2">183018</td> <td colspan="2">REV. 0</td> </tr> <tr> <td colspan="2">C.M.</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">SAN FRANCISCO, CALIFORNIA</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">S.M.</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">A.P.R.</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>						2/19/78	ISSUE FOR USE											APPROVED BY		DATE		SCALE		PIPELINE - DATA SHEET		BILL OF MATERIAL		DRAWING LIST		G.M.		2/22/78		1/4"		OVERPRESSURE PROTECTION DEVICE SETTINGS		SUPERSEDED BY		SUPERSEDED BY		S.M.		3/2		DATE 2/22/78		PIPE LINE OPERATIONS DEPARTMENT		SHEET NO. 12		SHEETS 12		O.M.						PACIFIC GAS AND ELECTRIC COMPANY		183018		REV. 0		C.M.						SAN FRANCISCO, CALIFORNIA						S.M.												A.P.R.											
	2/19/78	ISSUE FOR USE																																																																																																				
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	G.M.		2/22/78		1/4"		OVERPRESSURE PROTECTION DEVICE SETTINGS		SUPERSEDED BY		SUPERSEDED BY																																																																																											
S.M.		3/2		DATE 2/22/78		PIPE LINE OPERATIONS DEPARTMENT		SHEET NO. 12		SHEETS 12																																																																																												
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PC&E 15X JAN MAR MAY JUN SEPT NOV FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>P.L. Station 5A (I-300A)</u>					
	34" HCV	V-299.01A	698		698	Open
	24" SPV	V-3	668		663	Open
	12" OSBOV	V-A	706		716	Open
D	<u>P.L. Station 5B (I-300B)</u>					
	34" HCV	V-299.00B	698		698	Open
	24" SPV	V-6	668		693	Open
	12" OSBOV	V-C	706		716	Open
C	<u>P.L. Station 6A (I-300A)</u>					
	34" HCV	V-A36.74A	681		671	Open
	24" SPV	V-3	701		686	Open
	12" OSBOV	V-A	710		750	Open
B	12" OSBOV (Downstream Control Settings)					
		V-B	770		760	Open

D. BILL NO. 183018 ISSUE FOR USE				PREPARED BY: [Signature] DESIGNED BY: [Signature] CHECKED BY: [Signature]				PIPELINE - DATA SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPE LINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA				BILL OF MATERIAL DRAWING LIST SUPERSEDED BY SHEET NO. 23 SHEETS 183018	
REVISIONS <small>11-2008 (REV. 12-01) PRINTED ON 60% RECYCLED PAPER</small>													

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 JAN MAR MAY JULY SEPT NOV
 FEB APR JUNE AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>F.L. Station 6B (I-300B)</u>					
	3/4" KLV	V-436.85B	681		671	Open
	2 1/2" BPV	V-8	701		696	Open
	12" OSBOV	V-E	740		750	Open
	12" OSBOV (Downstream Control Settings)	V-P	750		760	Open
D	2 1/2" BPV See Controller	V-8	500		485	
	<u>F.L. Station VA (I-300A)</u>					
C	3/4" KLV	V-490.65A	520		510	Open
	2 1/2" BPV	V-3	540		585	Open
	12" OSBOV	V-A	600		610	Open
	12" OSBOV	V-B	684		694	Open
B	20" Distr to San Jose	V-53		195		Closed
	<u>F.L. Station 7B (I-300B)</u>					
	3/4" KLV	V-490.92B	577		567	Open
	2 1/2" BPV	V-8	597		582	Open
	12" OSBOV	V-E	647		657	Open
	12" OSBOV	V-P	684		694	Open

APPROVED BY		DATE		SCALE	
[Signature]		7/7/77		AS SHOWN	
SUPERSEDED BY		SHEET NO.		SHEETS	
[Blank]		183018		1	

PG&E 15X JAN 88 MAR 88 MAY 88 JULY 88 SEPT 88 78
 FEB 88 APR 88 JUNE 88 AUG 88 OCT 88 DEC 88

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	Shingletown P.L.S. (C-100A)					
	36" MW	V-115, 26	892	862	897	Closed
	20" BV	V-3		863		Open
	12" BV	V-A		880		Open
D						
C						
B						
A						

APPROVED FOR USE		APPROVED		PIPELINE - DATA SHEET		BILL OF MATERIAL	
GM	CHKD.	GM	CHKD.	OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
DATE		DATE		PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
				PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 5	
				SAN FRANCISCO, CALIFORNIA		18308	

PG&E 15X JAN MAR MAY JULY SEPT NOV FEB APR JUN AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Creed Station</u>					
	16" Line 210 from L-400	V-11		715		
	32" Line 210 from L-400	V-24		715		
D	<u>Crockett Station</u>					
	CH Sugar Tap from Stampac Crockett Branch	V-37		110		
	Crockett Town Tap from Stampac Crockett Branch	V-38		35		
	L-21 from Stampac Crockett Branch			monitor not required		
	L-105B from Stampac Crockett Branch			monitor not required		
	Stampac Crockett branch from L-105B	V-3		290		Closed
C	<u>Main Junction</u>					
	L-111 from L-138	V-20		690		Closed
		V-9		690		Closed
B	<u>Main Tap Station</u>					
	L-138 from L-300A	V-17		780		Closed
		V-18		780		Closed
	L-139 from L-300B	V-17		780		Closed
		V-18		780		Closed

D. Material Issues for Use		APPROVED		PIPELINE - DATA SHEET		BILL OF MATERIAL	
		GM		OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST	
		SUPV.		PIPE LINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
		ENGR.		PACIFIC GAS AND ELECTRIC COMPANY		SUPERSEDED BY	
		CHKD.		SAN FRANCISCO, CALIFORNIA		SHEET NO. 16 SHEETS	
		DATE 2/27/78				REV. 0	
		SCALE				183018	
NO. DATE DESCRIPTION		GM ENGR. CHKD. SUPV. APVD.					
REVISIONS							

PG&E 15X JUN 59A JUN 59B JUL 59C SEP 59D
 FEB APR JUN AUG OCT DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Rollister Meter Station</u>					
	Line 103 from L-300A (Monitor)	V-29		350		Closed
	Line 301A from L-300A (Monitor)	V-35		110		Closed
D	Line 301G from L-300A (Monitor)	V-26		505		Closed
		V-27		180		Closed
		V-28		Disabled		
	Line 103 from L-300B (Monitor)	V-29		350		Closed
	Line 301A from L-300B (Monitor)	V-35		110		Closed
C	Line 301G from L-300B (Monitor)	V-26		505		Closed
		V-27		180		Closed
		V-28		Disabled		
B	<u>Irvington Station</u>					
	Mixer Blowoff for 105N	V-8		152		Open
	Mixer from L-131 (Monitor)	V-50		110		Closed
	Mixer from L-107 (Monitor)	V-66		190		Closed
	Mixer from L-131 (Monitor)	V-34		135		Closed
	Mixer from L-303 (Monitor)	V-34		135		Closed
	L-107 from L-303 (Monitor)	V-71		195		Closed
	L-105N from Mixer (Monitor)	V-5		255		Closed
L-131 blowoff for L-153	V-8		152		Open	

D 10778		ISSUE FOR USE		7/1		APPROVED		GSE		PIPELINE - DATA SHEET		BILL OF MATERIAL	
						GSE		SUPV.		PIPELINE - DATA SHEET		DRAWING LIST	
						GSE		CHKD.		OVERPRESSURE PROTECTION DEVICE SETTINGS		SUPERSEDED BY	
						GSE		DATE 2/27/77		PIPE LINE OPERATIONS DEPARTMENT		SHEET NO. 17	
						GSE		SCALE		PACIFIC GAS AND ELECTRIC COMPANY		SHEETS	
						GSE				SAN FRANCISCO, CALIFORNIA		183018	
						GSE						78	

PG&E 15X JAN FEB MAR APR MAY JUN JUL AUG SEPT OCT NOV DEC 78

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	<u>Adriano Junction</u>					
	L-107W from L-107E	V-37		485		Closed
		V-35		out of service		
D	L-303W from L-303E	V-33		out of service		
		V-35		out of service		
		V-35		out of service		
C	<u>McDonald Island Valve Isd</u>					
	Auto Control Valve between L-57A and L-57B (16" valve)	V-93	1025			Closed
		V-10		500		Closed
B	<u>San Pablo Station</u>					
	L-105A from L-105B	V-14		165		Closed
	SP-3 from L-105B	V-1		235		Closed
	22" Distribution, Standard Oil from L-105B			monitor not required		
	16", Standard Oil from SP-3B	V-3		160		Closed

11/10/78		ISSUE FOR USE		1/6		APPROVED		GM		PIPELINE - DATA SHEET		BILL OF MATERIAL	
						GM		SUPV		PIPELINE - DATA SHEET		DRAWING LIST	
						DRN		DRN		OVERPRESSURE PROTECTION DEVICE SETTINGS		SUPERSEDED BY	
						CHKD		CHKD		PIPELINE OPERATIONS DEPARTMENT		SUPERSEDED BY	
						DATE		DATE		PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 13	
						SCALE		SCALE		SAN FRANCISCO, CALIFORNIA		18308	
												REV.	
												SHEETS	
												78	

PG&E 15X JAN MAR MAY SEPT NOV 78
 FEB APR JUNE AUG OCT DEC

LINE	DESCRIPTION	VALVE DESIGNATION	VALVE SET POINTS			FAILURE MODE
			CLOSE	SET	OPEN	
E	Tracy Station					
	L-107 from L-304	Y-65R		510		Closed
	SP-2 from L-304	Y-65B		510		Closed
	L-168 from SP-2	Y-15R		345		Closed
	SP-2 to SP-28 (Hastbor)	Y-67		510		
D	SP-2 to SP-28	Y-68		550		
C						
B						
A						

APPROVED BY	GM	DATE	7/2
DRAWN BY	GM	DATE	7/2
CHECKED BY	GM	DATE	7/2
SCALE			

PIPELINE - DATA SHEET
OVERPRESSURE PROTECTION DEVICE SETTINGS
PIPE LINE OPERATIONS DEPARTMENT
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

BILL OF MATERIAL
DRAWING LIST
SUPERSEDED BY
SUPERSEDED BY
SHEET NO. 183018
REV. 0

NO.	DATE	DESCRIPTION	GM	DWN.	CHKD.	SLIP	APVD.

PG&E 15X JAN 80 FEB 80 MAR 80 APR 80 MAY 80 JUNE 80 JULY 80 AUG 80 SEP 80 OCT 80 NOV 80 DEC 80 70

1	2	3	4	5	6	7	8	9	10
LINE	DESCRIPTION			NOMINAL PIPE DIAMETER	MOP	MAOP	DESIGN PRESSURE	VALVE NUMBER	MONITOR SET POINT
E	Line 138 Tap								
	Line 111 Tap (V-14.94 and 11.71)			12"	650	650	800	V-9, V-10	650
D	Line 300A Caps								
	Line 313 Tap (V-141.034)			8" 10"	573	573	720		
	Line 314 Tap (V-159.334)			12"	861	861	850		
	Pisgah Intertie Meter Station (T-116.46A)			15" 20"	688	688	688	V-4	695
	Line 311 Tap (V-180.644)			10" 12"	700	700	960	V-2	
	Line 142N Tap (V-214.69A)			12" 16" 20"	475	475	720		
	Line 164 Tap (V-371.814)			8" 10" 16"	498	498	865		490
	Line 181 Tap (V-441.074)			6" 10"	300	300	400	V-A	315
C	Line 300R Taps								
	Pisgah Intertie Meter Station (T-116.28a)			15" 20"	688	688	688	V-4	695
B	Line 142S Tap (T-275.83S)			5" 10"	600	500	720		
	Line 142N Tap (V-284.62S)			12" 16" 20"	475	475	720		
	Needles Compressor Station Tap (T-7.82S)			8" 10" 16"					
	Line 164 Tap (V-372.00S)			8" 10" 16"	498	498	865		
	Bottom Willow Intertie (T-288.42S)			16"	735	737	777	Relief Valve C	
	Line 190 Tap (V-363.89a)			12"	840	840	890		925

APPROVED BY				PIPELINE DATA-SHEET				BILL OF MATERIAL	
SUPERVISOR				OVERPRESSURE PROTECTION DEVICE SETTINGS				DRAWING LIST	
DESIGN				PIPELINE OPERATIONS DEPARTMENT				SUPERSEDED BY	
DRAWN				PACIFIC GAS AND ELECTRIC COMPANY				SHEET NO. 183018	
CHECKED				SAN FRANCISCO, CALIFORNIA				SHEETS REV. 0	
DATE 7/27/78				SCALES				INCH	
NO. DATE				REVISIONS					

PG&E 15 X JAN MAR MAY JULY SEPT NOV FEB APR JUNE AUG OCT DEC 78

1	2	3	4	5	6	7	8	9	10
LINE	DESCRIPTION			NOMINAL PIPE DIAMETER	MOP	MAOP	DESIGN PRESSURE	VALVE NUMBER	MONITOR SET POINT
E	Line 400 Tap								
	Line 177 tap (V-140.18)			12"	819	819	960	V-21	830
	Line 302 tap (V-231.87)			20"	975	975	1000	V-3	975
	Line 159 tap (V-258.34)			4"	975	975	1000		
	Line 206 tap (Pleasant Creek Tap)			12"	975	1140	1140		
D	Stampac 2 Pipe								
	Sprockles Sugar Meter Station (V-48.8) (Line 307 Tap)			8"	500	500			
	Enterprise Cotton Gin (T-52.1)			1"	150	150			
	Hillyer Tap (T-56.4)			1"	60	60			
C	Three Star Farms (T-66.40)				60	60			
	Dea Palon Meter Station (V-58.60) (Line 186 tap)			3"	625	625	720	No Regulation	
	Los Remos Meter Station (V-79.60)			4" 6"	180	180		V-5	192
	Santa Nella Village (T-87.3)			1"	40	40			
B	Justine Meter Station (T-99.25)			6" 4"	150	150		2" Relief Valve	160
	Newman Meter Station (T-104.40)			6" 8"	150	150		3" Relief Valve	160
	Maya Tap (T-105.00)			3/4"	60	60			
	2" Tap (T-107.49)			2"				No Regulation	
A	Crows Landing Mtr. Station (T-109.50)			3"	58	58		V-A	85
	Line 215 Tap (V-111.50)			12"	500	500	890		
	Patterson Meter Station (V-115.20)			4" 6"	120	120		V-15, V-16	125-115

APPROVED BY				DATE				SCALE			
SUPERVISOR				DATE				SCALE			
DRAWING LIST				DATE				SCALE			
SUPERSEDES				DATE				SCALE			
SUPERSEDED BY				DATE				SCALE			
SHEET NO. 27				DATE				SCALE			
REV. 0				DATE				SCALE			
SHEETS				DATE				SCALE			

PG&E 15X JAN MAY JUNE SEPT NOV 78
 FEB APR APRIL AUG OCT DEC

1	2	3	4	5	6	7	8	9	10
LINE	DESCRIPTION			NOMINAL PIPE DIAMETER	MOP	MAOP	DESIGN PRESSURE	VALVE NUMBER	MONITOR SET POINT
E	Stamps 2 Taps (Continued)								
		Westly Town Meter Station (T-122.10)			2" 4"	135	135		130
		Swanson Farms (T-123.10)			1"	60	60		
		McArthur Road Meter Station (V-134.20)			1"	295	295	V-16, V-17	280 - 295
D		Owens Illinois Glass Co. (T-139.75)			2"	125	125		125
		Lammers Road Reg. Station (T-138.61)			2"	90	90		
		Line 162 Tap (Tracy Station - v142.90)			6" 8" 10"	365	365	720	
		Mount House Station (T-144.30)			2"	50	50	V-15R	345
		Kaleo Road (T-148.01)			3/4"	40	40		
		Delta Pump Plant (T-143.75)			1"	60	60		
C		Byron Magnance Reg. Station (T-154.01)			2"	125	125		
		Primary Final				59	59	1 1/4" Blowoff Valve	100
		Brentwood Town Meter Station (T-156.20)			2"	150	150		
		Primary Final				60	60		
B		2" Tap (T-157.30)			2"	100	100		
		Primary Final				60	60		
		1" Tap (T-157.60)			1"	Customer owned meter set, standard delivery pressure = 7" W.C.			

<input type="checkbox"/> ISSUE FOR USE				PIPELINE DATA-SHEET				BILL OF MATERIAL	
<small>NO. DATE DESCRIPTION CHG. DWN. CHGD. SUPP. APVD.</small>				<small>DESIGNED BY: [Signature]</small> <small>CHECKED BY: [Signature]</small> <small>DATE: 10/27/73</small> <small>SCALE:</small>				<small>DRAWING LIST</small> <small>SUPERSEDED BY:</small> <small>SUPERSEDED BY:</small> <small>SHEET NO. 183018</small> <small>SHEETS 1</small>	
REVISIONS				OVERPRESSURE PROTECTION DEVICE SETTINGS				PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA	

PER APPROVED DATE SET REC 73

LINE	DESCRIPTION	NOMINAL PIPE DIAMETER	MOP	MAOP	DESIGN PRESSURE	VALVE NUMBER	MONITOR SET POINT
E	Stampac 3 Taps						
	1" Tap (T-160.26)	1"	35	35			
	4" Tap (T-160.36)	4"					
D	Deer Valley Road Tap (T-161.83)	3/4"					
	Primary		75	75			
	Final		25	25			
C	1" Tap (T-163.20)	1"					
	1" Tap (T-165.80)	1"					
	Delta Fair Meter Station (M.P.-167.30)	2"					
B	Primary		165	165		1 1/2" Blowoff Valves	275
	Final		60	60		3" Blowoff Valves	60
	Los Medanos Pump Station (T-168.16)	1 1/2" 2"				3/4" Blowoff Valve	345
A	Los Medanos Tank Farm (T-168.16)	4"					90
	Contra Costa Jr. College (T-168.37)	2"					
	Primary		150	627			
A	Final		60	60			
	Round Hill Tap (T-168.69)	2"					
	Primary Stage		150	600			
A	Proposed Secondary Stage		45	45			
	6" Tap (T-169.03)	6"	60	60			
	Pittsburg Town 169.10	12"				Monitor	160
A	Harbor Street Regulator (T-169.89)	6"	45	45			
	Pittsburg Heights Meter Station (T-170.22)	6"					
	System #1	6"	135	135			
A	System #2	6"	45	45			
	International Pipe & Ceramics Station (T-171.65)	3"	75	75		V-53, 6R	90

01/18/78	ISSUE FOR USE								
APPROVED BY		GM		PIPELINE DATA-SHEET		BILL OF MATERIAL			
DESIGN		SUPERV		OVERPRESSURE PROTECTION DEVICE SETTINGS		DRAWING LIST			
DWN		ENGR		PIPELINE OPERATIONS DEPARTMENT		SUPERSEDED BY			
CHKD		GK		PACIFIC GAS AND ELECTRIC COMPANY		SHEET NO. 23		SHEETS	
DATE		12/1/77		SAN FRANCISCO, CALIFORNIA		183018		REV.	
SCALES									
NO.		DATE		DESCRIPTION		GM		DWN	
CHKD		SUPV		APP'D					
REVISIONS									

PG&E 15X JAN MAR MAY JULY SEPT NOV 78
 FEB APR JUNE AUG OCT DEC

1	2	3	4	5	6	7	8	9	10		
LINE	DESCRIPTION				NOMINAL PIPE DIAMETER	MOP	MAOP	DESIGN PRESSURE	VALVE NUMBER	MONITOR SET POINT	
E	Stampac 3 Taps (Continued)										
	Suisun Junction Meter Station (V-173.04)				8" 12"	50	50				
	2" Tap (T-174.86)				2"	60	60				
	General Chemical Co. Meter Station (T-175.60)				4"	75	75		V-21, V-22	75	
	4" Tap (T-176.70) temp. Los Medanos Field Tap				4"	200	200	300			
D	Concord Meter Station (V-177.68)				10"	60	60		Monitor 1/3 V-3	170	
	Avon-Maltby Meter Station (V-179.30) to Phillips "66" Avon				12"	360	360		V-5	Reg. set at 1 1/2" WC differential	
	Gallagher and Burke Tap (T-179.6)				2"	Customer owned meter set, delivery pressure = 15 and 3 psig					
	Avon Power Meter Station (T-179.67)				8"	360	360				
	Vine Hill Meter Station (V-181.42)				6"	175	175		Monitor 1/3 V-4	170	
C	Shell Refinery Meter Station (V-182.88)				12"	135	135		V-13, V-16	150	
	Martinez Meter and Reg. Station (V-183.70)				6"				Monitor 1/3 V-3	250	
	Primary Stage				6"	268	268				
	Secondary Stage				6"	35	35				
	3" Tap (T-186.10)				3"	360	360				
B	Fort Costa Meter Station (T-187.16)				4"	105	105		4" Blowoff Valve	105	
	System #1				6"	90	90				
	System #2				3" 4"				4" Blowoff Valve	113	
	Reg. Set #1								4" Blowoff Valve	45	
	Reg. Set #2				4"	400	400		Customer owned meter, delivery pressure = 7" W.C.		
A	4" Tap (T-191.61)				4" 6"	60	60				
	Pinole Meter Station (V-193.20) Meter Only				4" 6"	60	60				
	El Sobrante Meter Station (V-194.2) Meter Only				4" 6"	60	60				

NO. DATE				DESCRIPTION				GM	DWN.	CHKD.	SUPV.	APVD.
REVISIONS												
APPROVED BY				DATE 8/22/73				SCALE				
GM				SUPV.				DSGN.				
DWN.				CHKD.				O.C.				
PIPELINE DATA-SHEET OVERPRESSURE PROTECTION DEVICE SETTINGS PIPELINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA												
BILL OF MATERIAL				DRAWING LIST				SUPERSEDES				
SUPERSEDED BY				SHEET NO. 24				SHEETS				
REV.				183018				REV.				

PG&E 15X JAN MAR MAY JULY SEPT NOV 78
FEB APR JUNE AUG OCT DEC

		1	2	3	4	5	6	7	8	9	10
SH. NO.	DESCRIPTION	CHANGE DATE	NO.	SH. NO.	DESCRIPTION	CHANGE DATE	NO.				
A1	INDEX		0	10	PALM TRACT PLS		0				
A2	INDEX		0	10	P.L.S. 1A		0				
1	BRADFORD COMPRESSOR STATION		0	10	P.L.S. 1B		0				
1	BRENTWOOD COMPRESSOR STATION		0	10	P.L.S. 2A		0				
1	BURNEY COMPRESSOR STATION		0	11	P.L.S. 2AX		0				
1	DELEVAN COMPRESSOR STATION		0	11	P.L.S. 2B		0				
2	GERBER COMPRESSOR STATION		0	11	P.L.S. 2BX		0				
2	HINKLEY COMPRESSOR STATION		0	11	P.L.S. 3A		0				
2	KETTLEMAN COMPRESSOR STATION		0	12	P.L.S. 3B		0				
2	LDS MEDANOS COMPRESSOR STATION		0	12	P.L.S. 4A		0				
3	MCDONALD IS. COMPRESSOR STATION		0	12	P.L.S. 4B		0				
3	TIONESTA COMPRESSOR STATION		0	13	P.L.S. 5A		0				
3	TOPOCK COMPRESSOR STATION		0	13	P.L.S. 5B		0				
4	ANTIOCH TERMINAL		0	13	P.L.S. 5A		0				
5	ANTIOCH TERMINAL		0	14	P.L.S. 5B		0				
5	BRENTWOOD TERMINAL		0	14	P.L.S. 7A		0				
6	BRENTWOOD TERMINAL		0	14	P.L.S. 7B		0				
6	MILPITAS TERMINAL		0	15	SHERIDAN ROAD P.L.S.		0				
7	MILPITAS TERMINAL		0	15	SHINGLE TOWN P.L.S.		0				
8	BUCKEYE CREEK PLS		0	16	CREED STATION		0				
8	CROCKETT JUNCTION PLS		0	16	CROCKETT STATION		0				
9	DRY CREEK PLS		0	16	HELM JUNCTION		0				
9	ELKHORN STATION PLS		0	16	HELM TAP STATION		0				
9	INDIAN SPRINGS PLS		0	17	HOLLISTER METER STATION		0				
9	PACHECO PASS PLS		0	17	IRVINGTON STATION		0				
9	PALM TRACT PLS		0				0				

0 9/1/78 ISSUE FOR USE				BILL OF MATL. DWS. LIST SURDS SURD BY SHEET NO. A1 SHEETS 183018 0			
PIPELINE DATA - SHEET (INDEX) OVERPRESSURE PROTECTION DEVICE SETTINGS PIPELINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA				REVISIONS NO. DATE DESCRIPTION GM DMN CHKD SUFY APVD 0 9/1/78 ISSUE FOR USE			

PGE 15X

 JAN. MAR. MAY. JULY. SEPT. NOV.
 FEB. APR. JUNE. AUG. OCT. DEC.

78

1	2	3	4	5	6	7	8	9	10			
SH. NO.	DESCRIPTION				CHANGE DATE	SH. NO.	DESCRIPTION				CHANGE DATE	NO.
18	LIVERMORE JUNCTION				0							
18	MCDONALD ISLAND VALVE LOT				0							
18	PANDCHE JUNCTION				0							
18	SAN PABLO STATION				0							
19	TRACY STATION				0							
20	LINE 138 TAPS				0							
20	LINE 300A TAPS				0							
20	LINE 300B TAPS				0							
21	LINE 400 TAPS				0							
21	STANPAC 2 TAPS				0							
22	STANPAC 2 TAPS				0							
23	STANPAC 3 TAPS				0							
24	STANPAC 3 TAPS				0							
25	STANPAC 3 TAPS				0							
25	STANPAC 5 TAPS				0							
25	STANPAC CROCKETT BRANCH TAPS				0							

ISSUE FOR USE				DATE: 02/12		SCALE:		PIPELINE DATA SHEET (INDEX) OVERPRESSURE PROTECTION DEVICE SETTINGS PIPELINE OPERATIONS DEPARTMENT PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA		BILL OF MATL. DWG. LIST SUPSRS SUPSD BY SHEET NO. A2 SHEETS 78	
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