

Pacific Gas and Electric Company Gas Pipeline Facilities Strength Test Pressure Report (For Pipeline Facilities Designed to Operate over 100 PSIG)



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PART I - I	DESIGN D	ATA (TO BI	E PREPAR	ED BY PI	ROJECT ENGINEER)								· · · ·	
Feeder Main M	lumber, Line I	lumber, or Stati	on Name	Area	Division/Di	strict	nan ing			Jol	b Number	adabar da	Date Job Author	ized	
B	L-1	48		5		Yosemit	<u>le </u>			41474082		10/03/11			
Test 3 - H	Job - Include Ivdrostatio	ally test tie	-in piece	s, and Pipe s. hvdrc	enne miceposis Ostatic test piping	and exis	tina 8" L	148. Ex	xistina pip	eline	material li	sted: ie. Pir	e. elbows.	sleev	es are
from the "	Material o	Record" (I	efer to D	wg 414	74082, sheet 8 o	f 8)		angen en Sessionen		ansia.				567999 	
Hydrotest	L-148 fr	om MP 14.0	60 - 17.6	3 Moo	desto, CA	(Test se	ction 109	East)							
Location Class	<u>. In</u>	esion Factor (F)	I MAC	P to he Es	tablished for this Pining	hy this Test		Future D	esion Pressu	(A.				din j	
3	·	.5			toosanoo ior bao i quig	675	i PSIG		congin e recordo	×				72	D PSIG
STAT	IC HEAD DUI	10	Max, Elev	ation	90 Ft.	Static Head (Calculation								
ELEVA	TION DIFFER	ENCE	Min. Eleva	tion	88 Ft.	For Water			0.433 X	Elev. D	Xff. =		1 p	SIG	
NVHE	RE APPLICA	BLE)	Elev, Diff.	атар (4	2 Ft.	Other (Specify) X Elev				(Elev.	Diff. = PSIG				
		Pipe Sp	ecification				<u>"</u>	Pipe Spec. and		% of SI			MYS Pressure to		
Size API			API or Seam (ERM	ASTM Gra	ide Aamless Etc.)	Footage to Be Tested		Footage Verified		AL T		Al Min. Test Press	At Max. Tool Proce		Give 90%
8 625	0.188	Ding AD	61 Y-67	EDW	(itom #1111)	20010	JUN I	20-2	10.10.16	μ.	20 79	AA 60	A0 62	_	2040
8.625	0.100	Fill Forged, Y-52, LR		1 R	(item #200)	AFa.		59-		25.56		38 36	43.03		2377
8.625	0.277	Pipe, AP	5L Gr B	SMLS	(item #1)	254	7"	2543.8			30.03	45.06	50.04		2023
8.625	0.188	Pipe, AP	5L X-42	ERW	(item #2)	21	2	0		C Serae	36.87 55.33		61.44	+	1648
				S				Ũ	<u>Leasenny</u>				anda an	T	
					n da ser de la composición de la compos										
Minimum To	of Drocours	a May Elava	lion		1013	nein	Test F	luid	MINIMUN	A TES	T DURATIO	<u>2N</u>		8	NUIDE
Minimum re	SCHIESSUIE	W IVIAX. Eleva	uon		1013	1010	WATI	R	- 30% SMYS	& OVE	R (8 HRS. MINI	MUM)	L	0	nuuka
Maximum Te	st Pressure	@ Min. Eleva	tion		1125	PSIG		<u> </u>	- PREINST/	ALLATI	ON TEST (SEE	ATTACHMEN	T 'A', GAS STO	A-34)	
Frepared By: Kyle Crine	r Ru	e crin	en	Date:	/3/11 Ma	information of irk Cabra	xr Changes, I	call: (925)) 588-364	0	poloved By:	RAC	drel	10	ale: - 3 -/(
PART II - TES	T DATA (TO I	E PREPARED	BY PERSO	I SUPERV	ISING TEST AT TIME (OF TEST)			Note: Min	imum t	est pressure ar	d duration are	not to be change	d	
									N	hihout v	written approva	l.	n - 1995 (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19		
Time and Date	<u></u> 					0	A L	Re Donite	d tan		1013	Alena Allena	able Test	 	U2H
Reached		(:23,	10-25-	2011	Point Point		Ť	ress. Al Te	st Point	(1)	PSIG	Press at T	est Point	(4)	PSIG
Time and Date	Ê	10+14 800	10.05	2011	Max. Elevation in	9	0 1	lin. Indicate	ed		1034	Max. Indic	aled	1215	1114
Test Ended			10-2-2	- a44-111	Test Section		T	est Pressure		(2)	PSIG	Test Pressure (5)		(5)	PSIG
Actual Duration		Show	r alr	ntn:	Min. Elevation In Test Section	P q	at Max. Elevation		(3)	PSIG	Max. Test at Min. Ele	Pressure vation	(6)	PSIG	
Test Fluid Use	d	SIL				I	Pipe Specil	ication and	Footage Venif	ied (Se	e Part I)			لمتنبينيدي.	
Make, Range,	and Serial No.	of Pressure Re	≤ ™ cording Gau	00	Date Last Ca	librated	I Make, F	ance, and S	Serial No. of C)ead W	eight Tester (S	ee Note 7)	Dat	e Last	Calibrated
Barton	0-34	DOOPSE)	02E-21	1028	8-15-2	2011	Ven	maler	- 50-70	see of s	5° 6	106	5	- 19-	2011
Test Supervise	d By:	some we	Enight	>>	Date:	05 0.	Approve	d By:	DAT	7	ing and the second s		11-1-1	ale:	
PUT SCHEMA	TIC PIPING S	KETCH ON BA	CK OF THIS	SHEET	- 01	22-201	<u> </u>	<u> </u>	<u> </u>	<u>7 (7</u> 5	<u>II</u>	2	$\underline{-} A \underline{-} L$		
SHOW LOCAT	ION OF FACI	LITY TESTED, SERS ON FACE	MINIMUM A	ND MAXIM	UM ELEVATION IN FEI	ET, MILE PC	NNTS, VALV	E/NUMBER PARRICAT	RS AND INCO	RPOR/	ATED AREAS.	USE AN ADDI	TIONAL SHEET	IF NE	CESSARY
OF EACH ASS	EMBLY TEST	ED.													
NUTES: (1) Add the s	latic head due	to elevation dif	ierence (beh	veen test o	oint and maximum elev	ation) lo		JOB I	FILE (AT SPC	NSOR	ING ORGANIZ	ATION)			
*minimum (2) Use lower	test pressure	al maximum el	evation" from	i PART I.				GSM	ATS RESPON	ISIBI F	DISTRICT SU	PERINTENDEN	π		
(3) Subtract s	static head du	e to elevation di	ference (bet	ween test p	point and maximum elev	ration) from	22	500	ICOT MANAG	COMP	AICOTOLO	1660	er.		
(4) Subtracts	static head du	pressure. e to elevation di	ference (bet	ween test p	oint and minimum elev	ation) from		rnu.	MOI MANAG	CIVERS	WEGI ENGIP	LEN.	مەلەر بىلىرىكى بىلىرىكى بىلىر		
*maximun (5) Highest p	n lest pressure ressure on les	e at minimum el I gauge al any l	evation" from ime during la	IPART I. Isl				TECH	INICAL & CO	NSTRL	ICTION SERVI	LES - ASSIGN	ED JUBS ONLY		
(6) Add static	head due to d	elevation differe	nce (betwee	n test point	and minimum elevation) to maximur	n	CAPI	TAL ACCOUN	ITING	(FOREMAN'S	COPY OF JOB)			
(7) A dead w	eight tester is	only required wi	ien testing to	a pressun	e which produces a stre	ss level of 90)%	RECO	ORDS SECTION	on (wo	c), GMS&TS				
Space pro	or greater. Ho wided above.	wever, li a dêst	i neglii iesi	n is used C	ni any tesi, enter ulè Mi	ง เกลขอก เก ป	195	REPO	ORT FAILURE	IS UND	ER TEST TO	GAS ENGINEE	RING & PLANNI	NG	~



Pacific Gas and Electric Company Gas Pipeline Facilities Strength Test Pressure Report (For Pipeline Facilities Designed to Operate over 100 PSIG)



62-4921 (Rev. 2/04) California Gas Transmission (Use in Accordance with Gas Standard A 34 and GO 112-D)

Sheet ______ of _____

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PART I -	DESIGN D	ATA (TO BE	PREPARED BY PI	ROJECT ENGINEER)			True			····			
Feeder Main I	Number, Line N	lumber, or Slati	on Name Area	Division/Di	na madeira	Job Number Date Jo				Job Authorized				
Description of	L-14	18 Reference Dree	5	olloo Minopoto	Yo	semite		414/	4082	10/03	/11			
Test 3 – I from the " Hydrotest	Hydrostatic Material of L-148 fre	ally test tie Record" (r m MP 14.6	-in pieces, hydro efer to Dwg 414 50 – 17.63 Mo	ostatic test piping 74082, sheet 8 o desto, CA	and existin <u>f 8)</u> (Test sectio	g 8" L-148. E n 109 East)	Existing pip	eline materia	Il listed; ie. Pir	be, elbows, sl	eves are			
Lassifies Clas	- <u> D</u>	acton Easter/El	L USOD In the Er	tablished for this Dising	bu this Tool	Enturo	Danian Droecuu	·••	<u></u>					
Locauon Glas	s D	.5 .5	MAOP 10 D9 ES	Reclisited for this Priping	675	PSIG	Design Flesson	U.	a <u>igineilissaa</u>		720 psig			
STA	TIC HEAD DUI	TO	Max. Elevation	90Ft.	Static Head Calc	ulation				~				
ELEV/	TION DIFFER	ENCE	Min. Elevation	88Ft. I	For Water		0.433 X	Elev. Diff. =		1 _{PSI}	G			
(WH	ERE APPLICA	BLE)	Elev. Diff.	2 Ft.	Other (Specify)		, j	Elev. Diff. =		PSI	G			
		Pipe Sp	ecification			Pipe S	Spec. and		% of SMYS		Pressure lo			
Size O.D. W.T.		Long	API or ASTM Gr Seam (ERW, DSAW, S	ade Seamless, Etc.)	Foolage to Be Tested	Foolag	Footage Verified In Field		At Min. Test Press.	Al Max. Test Press.	Give 90% SMYS			
8.625	0.188	Ell, Grade Unknown		(item #3)	1 Ea.		MOR		Long	-	-			
8.625	Unk	Insulating Fitting		(item #5)	1 Ea.	Ne.	MOR	im.		**	***			
1.050	0.113	Pipe, AP	5L Gr B, SMLS	6 (item #11)	66'	- K-	MOR	8.96	13.45	14.93	6780			
	<u> </u>		ć.		<u> </u>				<u></u>	<u> </u>	<u> </u>			
		·····			1			and and a second s		1				
<u> </u>	ii			an terren dele deserve de la dele composition de la dele					-					
Minimum Te Maximum T Prepared By: Kyle Crine	est Pressure est Pressure er Mayé	@ Max. Eleva @ Min. Eleva & Crim	tion tion Date 10	1013 1125 0/3/11 For Ma	PSIG PSIG Information or C Ark Cabral	To Be Used WATER hanges, Call: (92	- UNDER 3 - 30% SMYS - PREINST	0% SMYS (1 HR. I S & OVER (8 HRS. I ALLATION TEST (Alproved B 0 Ma	MINIMUM) MINIMUM) (SEE ATTACHMEN Y: R/7Cae	IT 'A', GAS STD. A bal 11	8 HOURS -34) Date: > - 3 - 1 1			
PART II - TES	ST DATA (TO I	SE PREPARED	BY PERSON SUPER	ASING TEST AT TIME (OF TEST)		Note: Mir	nimum test pressu vithout written app	re and duration are roval.	nol to be changed				
Time and Dal Test Pressure Reached	Time and Date Test Pressure Reached		' 10-25-2011	Elevation at Test Point	90 FT) Min. Required Test Press. At Test Point		(1) 0 (1) PSM	3 Max. Allow G Press at T	veble Test Test Point (4) 1124 PSIG			
Time and Dat Test Ended	Time and Date Test Ended		10:14 10-25-2011 Max		40 FT	Min, Indica Test Press	Min. Indicated Test Pressure		G Max. Indic G Test Pres	caled sure (5) 14+ PSIG			
Actual Duratio	Actual Duration of Test		c 21 mm	Min. Elevation in Test Section	88 FT	Min. Test I at Max. Ef	Pressure evation	(3) [03	H Max. Test G at Min. Ele	Max. Test Pressure 11/14 at Min. Elevation (6) PSIG				
Test Fluid Us	ed	1-1-1	S.C.		Pi	e Specification an	id Footage Veril	fied (See Part I)						
Make, Ranne	and Serial No.	of Pressure R	n Na Nording Gauge	Date Last C	alibrated	Make Range an	d Serial No. of I	Dead Weight Test	er (See Note 7)	I Date	ast Calibrated			
Barto	n 0-3	Nago PSIL	2025 -218028	8 - 15 -	Chandler 50-3000852			6106	6106 5-19-201					
Test Supervis	ed By:		\sim	Dale:	05 4.4	Approved By:	And	Ann.	nol	Date	11			
PUTSCHEM	ATIC PIPING S	KETCH ON BA	ACK OF THIS SHEET		-9-2-9-011		7°	-1010	<u>v</u> x	110	~ (/			
SHOW LOCA (SHOW REFE	TION OF FAC	LITY TESTED, BERS ON FACI	MINIMUM AND MAXIN E OF ALL DRAWINGS	AUM ELEVATION IN FE AND ATTACHMENTS).	ET, MILE POINT FOR STATION	S, VALVE NUMB PIPING, FABRIC/	ERS AND INCO ATED UNITS AI	DRPORATED ARE	AS. USE AN ADD IONS OF PIPE, AU	ITIONAL SHEET IF SO SHOW A DET	NECESSARY			
NOTES:	SEMBLE IES	EU.			<u></u>	DI	STRIBUTION	· · · · · · · · · · · · · · · · · · ·	and the second states of the					
(1) Add the	static head due	lo elevation di	ference (between lest	point and maximum elev	ation) to	<u> JO</u>	B FILE (AT SPO	DNSORING ORG/	ANIZATION)					
(2) Use low	est pressure or	i test gauge at a	any time during test.			GS	MATS RESPO	NSIBLE DISTRICT	SUPERINTENDE	NT				
(3) Subtract minimun	i static head du n indicated test	e to elevation d pressure.	itterence (between lest	point and maximum ele	vation) from	PR	PROJECT MANAGER/PROJECT ENGINEER							
(4) Subtract *maximu	static head du im test pressur	e to elevation d e at minimum e	fierence (between test levelion" from PART I.	point and minimum elev	TE	TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY								
(5) Highest (6) Add stat	 (5) Highest pressure on test gauge at any time during test. (6) Add static head due to elevation difference (between test point and minimum elevation) to maximum 							CAPITAL ACCOUNTING (FOREMANS COPY OF JOB)						
(7) A dead v	a lest pressure. weight lester is S or greater	only required w	hen testing to a pressu	re which produces a sin	ess level of 90% formation in the	RE	CORDS SECTI	ON (WC), GMS&T	ſS					
	e ve unuquation del	STORED HIGH REC	~ worthis motor is noon	our only rose series and in	www.concenter.com	سذيند	ويسوحوا والتواج ويسر مستشركين والم	- and the sector in the family sector of the		and a statement of the second	-			