

Pacific Gas and Electric Company Gas Pineline Facilities Strength Test Pressure Report

62-4921 (Rev. 2/04)

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)		fence with Gae Standard A 1 of	(Use in Accord								ies Designed to		(Ear Din	PFS
Description of Job - Include Roteresco Description of Test Processor Roteresco Description of Processor Roteresco Description of Processor Roteresco Description Roteresco Description of Processor Roteresco Description Roteresco Descript	***************************************	_'	Olicer_						NGINEER)	PROJECT E	E PREPARED BY	ATA (TO B		
Description of Jub - Include Reference Dresing Numbers, and Pipeline Misposts	sd b	Date Job Authorized		Job Number	T		***************************************	ol		The state of the s				
Description of Job - Include Inference Descript Reminses, and Pipeline Misposts Hydrodistalically less 30" libe - Injoing, Pryorostalic less plping, and existing 30" L-153 Existing 30" materials listed are from the Material of Record" (refer to DRWG 41497362 Sheet 7) Hydrotest L-153 from MP 13.62 – 17.62 San Lorenzo, CA (Test section 46) Location Glass Design Fair F) MACP to the Established for this Pipels by the Test 420 PSIG STATIC HEAD DUE TO Mac Elevation 15 Ft. ELEVATION DIFFERENCE Min. Elevation 15 Ft. Cov. Elev. To the Control of t	011	6/27/2011		41497	1		sion	Mis		L-153 2				
STATIC HEAD DUE TO	nange #4)	(Design Ch			et 7)	32 She	G 414973	efer to DRW	ng, and e ∋cord" (ı	itic test pipi aterial of Re	ping, hydrosta are from the M	30" tie-in p ials listed a	tically test 3 i 30" materi	Hydrosta Exisiting
STATIC HEAD DUE TO	420 PSIG	4			essure	Design F			this Piping b	Established for	MAOP to be		5 De	
Post	***************************************		***************************************	***************************************		***************************************	ion	lic Head Calculat	Ft. St	15	Max Elevation	то	TIC HEAD DUE	STA
Pick	3	A8 PSIG		v. Diff. =	33 X Ele	0.				**************************************				
Pipe Specification		PSIG		-									Control of the second Second	2000
Size API of ASTM Grade Foolage to Foolage Variety Foolag	Pressure to			V. Dell.	17	pec. and	Pipe S	or topour,	manustra T				althorne a more	
30.00 .375 API 5L, GR X-65, DSAW (Item #8) 42' 32.1 A 28.00 42.00 58.33 30.00 .375 API 5L, GR X-60, DSAW (Item #8) 42' 32.1 A 28.00 42.00 58.33 30.00 .375 GR X-52, DSAW (Item #9) 20623' 2.00 4 32.31 48.46 67.31 30.00 .375 GR B, Seam Unknown (Item #10) 162'	Give 90%		At Min.	and the state of t		Verified	Footag				API or ASTM			
30.00 .375	SMYS										*			
30.00 .375 GR X-52, DSAW (item #9) 20623' 20804 32.31 48.46 67.31 30.00 .375 GR B, Seam Unknown (item #10) 162' 162 48.00 72.00 100.00 100.00 - Item Removed (item #11) - No.R	1463	-	·		and the second	PRINCE MANAGEMENT		-						
30.00 .375 GR B, Seam Unknown (item #10) 162' 62 4 48.00 72.00 100.00 . Item Removed (item #11)	1350				AL	32.1 4								Name and Control October 2015
. Item Removed (item #11) 30.00 .3125 GR X-52, DSAW (item #12) 223' Z-03.1 A 38.77 58.15 80.77 0.75 .113 API 5L, Gr. B, SMLS (item #118) 5' 3.98 5.97 8.30 Minimum Test Pressure @ Max. Elevation 630 PSIG To Be Used UNDER 30% SMY3 (I HR. MINIMUM, SMY3 & OVER (8 HRS. MINIMUM) - UNDER 30% SMY3 & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST DEER ATTACHMENT 'A', GAS STD. A- Prepared By: Colin Silla 06/27/11 Scott Clapp (530) 514-6482 Note: Minimum test pressure and duration are not to be changed without written approval. Wart II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST) Note: Minimum test pressure and duration are not to be changed without written approval. Without written approval. War. Indicated Test Point (1) PSIG PRES AT TEST Point (1) PSIG PRES AT TEST Point (4) PSIG PRES AT TEST POINT (1) PSIG Max. Indicated Test Pressure (2) PSIG Test Pressure (5) Clust Duration B Arcs. 20-ALD Min. Elevation in Test Section FT Test Pressure (2) PSIG Test Pressure (5) Alter Duration Test Fluid Used ACCL PSIG Test Pressure Recording Gauge Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date: Date: Date: Date: Approved By: Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date: Date: Date: Approved By: Date Last Calibration PIPING SKETCH ON BACK OF THIS SHEET (WIN OCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ALE MAXIMUM ELEVATION IN FEET, MILE POINTS, VAHVE NUTRIERS AND INCOPORGANIZATION) Date: Distribution Distribution Distribution Distribution JUST PRESULTION JUST PRESSUR OR GRANIZATION)	1170		·	·	AL.	20804 A							and an interpretation of the contract of the c	
30.00 .3125 GR X-52, DSAW (item #12) 223' 2.03. A 38.77 58.15 80.77 0.75 .113 API 5L, Gr. B, SMLS (item #118) 5' A 3.98 5.97 8.30 Minimum Test Pressure @ Max. Elevation 630 PSIG Test Fluid To Be Used Londer 30% SMYS (1 Hrx. MINIMUM) 1.00% SMYS 60 OVER (8 Hrs. MINIMUM) 1.00% SMYS 6	788	100.00	72.00	48.00	AL_			162'		The second secon		Martin and Company of the Company of		30.00
0.75 .113 API 5L, Gr. B, SMLS (item #118) 5'	*	•		•		MO.R.		M.						
Minimum Test Pressure @ Max. Elevation 630 PSIG Test Fluid To Be Used WATER 30% SMYS (1 HR. MINIMUM) 9 WATER 30% SMYS & OVER (8 HRS. MINIMUM) 9 WATER 30% SMYS &	975	80.77	-		AL_	203.1 A		The second secon			THE CONTRACT OF THE PARTY OF TH			Accessed the second second
Minimum Test Pressure @ Max. Elevation 875 PSIG To Be Used WATER 30% SMYS (1 HR. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A- Prepared By: Oblin Silla Oblin Sill	9492	8.30				2	1	-		em #118)	r. B, SMLS (it	API 5L, G	.113	0.75
Elevation at Test Point FT Press. At Test Point (1) PSIG Press at Test Point (4) Ime and Date est Ended		'A', GAS STD. A-34	AUM) ATTACHMENT	/ER (8 HRS, MINIM TION TEST (SEE Approved By:	MYS & O ISTALLA Minimun	- 30% : - PREI	ATER es, Cali:	W mation or Chang Clapp (530)	8 75 PS For Info	7/11	on Date: 06/2:) Min, Elevati S	st Pressure @	Maximum Te Prepared By: Colin Silla
ime and Date est Ended 7-9-1 Max. Elevation in Test Section FT Test Pressure (2) PSIG Test Pressure (5) Citual Duration Intest BASS. 20-11 Min. Elevation in Test Section FT at Max. Elevation (3) PSIG at Min. Elevation (6) East Fluid Used Pice Specification and Footage Verified (See Part I) Approved BY: Date: Approved BY: CC1 JT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET I-COV LOCATION OF FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAIL FEACH ASSEMBLY TESTED. DISTRIBUTION JOB FILE (AT SPONSORING ORGANIZATION)	863 PSIG) PSIG Press at				FT	Test			t Pressure		
Test Section FT at Max. Elevation (3) PSIG at Min. Elevation (6) ast Fluid Used Pipe Specification and Foolage Verified (See Part I) A TRESPANDO ake, Range, and Serial No. of Pressure Recording Gauge Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date Last Supervised 87: Date: Approved BY TSCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET HOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAIL FEACH ASSEMBLY TESTED. DISTRIBUTION JOB FILE (AT SPONSORING ORGANIZATION)	695 PSIG	fed		PSIG	(2)	Min. Indicated		FT						
ake, Range, and Serial No. of Pressure Recording Gauge Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date Last Supervised By: Date: Approved By: OF Approved BY: DATE: Approved By: Date: Approved By: Date: Approved By: Date:	707 PSIG					Max. Elevation (3)		FT			. 20 HIN	8hrs		Test
ake, Range, and Serial No. of Pressure Recording Gauge Date Last Calibrated Approved By Date: Approved By Approved By CLH 7 7 - Date: Approved By	and a second	And the second		ee railly	NOO	ESP	· A T					and the second	IGAL	WA
Date: Approved BY: CCT T SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET HOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF N HOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAIL FEACH ASSEMBLY TESTED. DISTRIBUTION Add the stallic head due to elevation difference (between test point and maximum elevation) to DOTES: DISTRIBUTION JOB FILE (AT SPONSORING ORGANIZATION)	st Calibrated	Date Last		Velght Tester (Se	of Dead \	erial No.	, Range, and						nd Serial No. of 17 <i>03</i>	ake, Range, a Cムク・
JT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET HOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF N HOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAIL F EACH ASSEMBLY TESTED. OTES: Add the static head due to elevation difference (between test point and maximum elevation) to JOB FILE (AT SPONSORING ORGANIZATION)			0111	(TT)	-	1	oved By	Аррг	8 11	Da	1115	7	9. S/1	st Supervited
OTES: DISTRIBUTION Add the stalic head due to elevation difference (between test point and maximum elevation) to JOB FILE (AT SPONSORING ORGANIZATION)	ECESSARY ED SKETCH	ONAL SHEET IE NE	JSE AN ADDITION OF PIPE, ALSO	NATED AREAS. U	CORPOR AND SH	S AND II D UNIT:	EVENUMBER G, FABRICAT	IILE POI NTO, W STATION PIPIN	N IN FEET.	NUM ELEVATIO	K OF THIS SHEET NIMUM AND MAXIN	Y TESTED, MI RS ON FACE O	ON OF FACILIT ENCE NUMBER	IOW LOCATION OF THE PROPERTY O
"minimum lest pressure at maximum elevation" from PART I. Use lowest pressure on lest gauge at any time during test. Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. Subtract static head due to elevation difference (between test point and minimum elevation) from provided due to elevation difference (between test point and minimum elevation) from maximum test pressure at minimum elevation from PART I. TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY			ERINTENDENT ER	DISTRICT SUPPROJECT ENGINE	PONSOI ONSIBLI AGER/PI	ILE (AT : TS RES ECT MAI	JOB F GSM8 PROJ	from	num elevatio	point and maxin	ation" from PART I. time during test. rence (between test rence (between test	elevation differ maximum elevat digauge et any elevation differ ssure. elevation differ	lic head due to est pressure at pressure on les tilc head due to dicated test pre tilc head due to	Add the sta *minimum li Use lowest Subtract sta minimum in Subtract sta

(7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above. MOR = MATERIAL RECORD



REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

RECORDS SECTION (WC), GMS&TS



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)

(For Pipeline Facilities Designed to Operate over 100 PSIG) 2 Sheet of PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER) Feeder Main Number, Line Number, or Station Name Job Number Date Job Authorized Mission 41497362 6/27/2011 Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153 Exisiting 30" materials listed are from the Material of Record" (refer to DRWG 41497362 Sheet 7) (Design Change #4) Hydrotest L-153 from MP 13.62 - 17.62 San Lorenzo, CA (Test section 46) MAOP to be Established for this Piping by this Test Design Factor (F) Location Class Future Design Pressure .5 420 3 PSIG 420 PSIG 15 STATIC HEAD DUE TO Ft. Max. Flevation Static Head Calculation 13 -15 Ft. PSIG **ELEVATION DIFFERENCE** For Water 0.433 X Elev. Diff. = Min. Elevation 30 Ft. X Elev. Diff. = **PSIG** (WHERE APPLICABLE) Other (Specify) Elev. Diff. Pipe Specification Pine Spec, and % of SMYS Pressure to API or ASTM Grade Footage Verified Footage to At Min. At Max. Give 90% On W.T. Long Seam (ERW, DSAW, Seamless, Etc.) Be Tested In Field MAOP Test Press. Test Press. SMYS 4.500 .156 Gr. B, SMLS (item #18 MOR 17.31 25.96 36.06 2184 3' 2.375 Gr. B, SMLS (Items #19 &20) .154 9.25 13.88 19.28 4085 MOR 30.00 .375 Bend, Elbow, Y-52 (item #1) 8 ea. 32.31 48,46 67.31 1170 MOR 30.00 .375 Bend, Elbow, Gr. B (item #2) 4 ea. MOR 48.00 72.00 100.00 788 Item Removed (item #3) OR 30.00 .375 Bend, Elbow, Grade Unknown (item #4) 15 ea. MOR 0.375 Bend, Forged Elbow, Y-60 (item #120) 30.00 4 ea. 28.00 42.00 58.33 1350 MINIMUM TEST DURATION Test Fluid 630 **PSIG** Minimum Test Pressure @ Max. Elevation To Be Used - UNDER 30% SMYS (1 HR. MINIMUM) HOURS WATER - 30% SMYS & OVER (8 HRS. MINIMUM) 875 Maximum Test Pressure @ Min. Elevation PSIG - PREINSTALLATION TEST (SEE ATTACHMENT 'W', GAS STD. A-34) For Information or Changes, Call: Prepared By: Dale Date: Scott Clapp (530) 514-6482 Colin Silla 06/27/11 PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST) Note: Minimum test pressure and duration are not to be changed without written approval. Time and Date 8:25 P 12. 843 431 Min. Required Test **Test Pressure** Elevation at Test Max. Allowable Test -8-11 Reached Point FT Press. At Test Point (1) **PSIG** Press at Test Point (4) **PSIG** 4:45 A 15 643 695 Time and Date Max. Elevation in Min. Indicated Max. Indicated 7-9-11 Test Ended FT PSIG PSIG Test Pressure Test Pressure (5)-15 642 707 **Actual Duration** Min. Elevation in Min. Test Pressure Max. Test Pressure 8 hrs. 20 M FT of Test **Test Section** at Max. Elevation PSIG PSIG at Min. Elevation (6)Test Fluid Used Pipe Specification and Footage Verified (See Part I) WATER TRESPANDO Range, and Serial No. of Pressure Recording Gauge Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date Last Calibrated 0-1000 052 5-2-11 AMETER 0-3000 301 Test Superviced By Approved By: Date: CHI 14-11 PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED. DISTRIBUTION NOTES: (1) Add the static head due to elevation difference (between test point and maximum elevation) to JOB FILE (AT SPONSORING ORGANIZATION) "minimum lest pressure at maximum elevation" from PART I. Use lowest pressure on test gauge at any time during test. GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated lest pressure. PROJECT MANAGER/PROJECT ENGINEER Subtract static head due to elevation difference (between test point and minimum elevation) from *maximum test pressure at minimum elevation* from PART I. TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY Highest pressure on test gauge at any time during test. Add static head due to elevation difference (between test point and minimum elevation) to maximum CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)

MOR = MATERIAL OF RECORD

A dead weight tester is only required when testing to a pressure which produces a stress level of 90%

of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the

indicated test pressure.



RECORDS SECTION (WC), GMS&TS

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING



Pacific Gas and Electric Company Gas Pipeline Facilities Strength Test Pressure Report

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

(For Pipeline Facilities Designed to Operate over 100 PSIG) 3 Sheet of PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER) Feeder Main Number, Line Number, or Station Name Job Number Area Date Job Authorized L-153 Mission 41497362 6/27/2011 Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153 Exisiting 30" materials listed are from the Material of Record" (refer to DRWG 41497362 Sheet 7) (Design Change #4) Hydrotest L-153 from MP 13.62-17.62 San Lorenzo, CA (Test section 46) Location Class Design Factor (F) MAOP to be Established for this Piping by this Test Future Design Pressure .5 420 PSIG 420 **PSIG** 15 Ft. STATIC HEAD DUE TO Max. Elevation Static Head Calculation 13 PSIG -15 Ft. **ELEVATION DIFFERENCE** Min. Elevation For Water 0.433 X Elev. Diff. = 30 Ft. (WHERE APPLICABLE) Elev. Diff. Other (Specify) X Elev. Diff. = **PSIG** Pipe Specification % of SMYS Pipe Spec, and Pressure to API or ASTM Grade Footage to Footage Verified At Min. At Max. Give 90% MAOP 0.0. W.T. Long Seam (ERW, DSAW, Seamless, Etc.) Be Tested In Field Test Press Test Press. SMYS Item Removed (item #13) MOR 30.00 .500 Sleeve, ASTM A-242, 50000psi (item #14) 4 ea. 25.20 37.80 52.50 1500 MOR 30.00 .500 Sleeve, Grade Unknown (item #15) 4 ea. MOR * * * 2 ea. 30.00 Unk Sleeve, Grade Y-52 (item #16) MOR . 2 ea. 30.00 Sleeve, Grade Unknown (Item #17) Unk MOR Test Fluid MINIMUM TEST DURATION 630 PSIG - UNDER 30% SMYS (1 HR. MINIMUM) To Be Used 8 HOURS Minimum Test Pressure @ Max. Elevation - 30% SMYS & OVER (8 HRS. MINIMUM) WATER 875 **PSIG** Maximum Test Pressure @ Min. Elevation - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD, A-34) For Information or Changes, Call: Prepared By: Date: Approved By 29/10 Colin Silla 06/27/11 Scott Clapp (530) 514-6482 PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST) Note: Minimum test pressure and duration are not to be changed without written approval. Time and Date 8:25 P 12 863 631 Min. Required Test Max. Allowable Test Test Pressure Elevation at Test 7-8-11 FT (1)PSIG PSIG Reached Press. At Test Point Press at Test Point (4)Point 4:45 A 15 643 PSIG 695 Time and Date Max, Elevation in Min. Indicated Max, Indicated -9-11 PSIG FT (2)Test Pressure Test Ended Test Section Test Pressure (5) 642 707 Actual Duration Bhrs. 20M Min. Elevation in Min. Test Pressure Max. Test Pressure of Test at Max. Elevation PSIG at Min. Elevation **PSIG** (6) Test Fluid Used Pipe Specification and Footage Verified (See Part I) WATER Make, Range, and Serial No. of Pressure Recording Gauge Dale Last Calibrated Date Last Calibrated Make, Range, and Serial No. of Dead Weight Tester (See Note 7) ameten. 0-3000 6301 0-1000 DSZ 5-2-11 Approved By: Test Supervised By: Date: Dale: CLUZ 7-10-11 PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED NOTES: DISTRIBUTION Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I. JOB FILE (AT SPONSORING ORGANIZATION) Use lowest pressure on test gauge at any time during test. GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT Subtract stalic head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. PROJECT MANAGER/PROJECT ENGINEER Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I. TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY Highest pressure on test gauge at any time during test. Add static head due to elevation difference (between test point and minimum elevation) to maximum CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB) indicated test pressure A dead weight tester is only required when testing to a pressure which produces a stress level of 90%

RECORDS SECTION (WC), GMS&TS

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

MOR = MATERIAL OF RECORD

of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the



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 __4__ of __4_

		DATA (TO BE PREPA	the state of the s										
Feeder Main Number, Line Number, or Station Name Area Division/District						Job Number				Date Job Authorized			
Constation of	L-1	53 Reference Drawing Numb	2	nnele	sion		414973	662					
		n (refer to detail 4			ngs)								
		om MP 13.62 – 17.			(Test sec								
Location Class Design Factor (F) MAOP to be Established for this Piping by this Test 420 PSIG Future Design Pressure											120 PSIG		
STA	TIC HEAD DU	ETO Max. Ele	vation	Ft.	Static Head Calcula	lon							
ELEVA	ATION DIFFER	RENCE Min. Elev	alion	Ft.	For Water	0.433 X Elev. Diff. = PSIG							
(WHERE APPLICABLE) Elev. Diff. Ft. Other (Specify) X Elev. Diff. =										PSIC			
Siz	a	Pipe Specification APL	Footage to		pec. and a Verified	AL I	% of SMYS At Min.	At Max.	Pressure to Give 90%				
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			Be Tested		Field	MAOP	Test Press.	Test Press.	SMYS		
30.00	.375	API 5L, GR X-65, DSAW (revised item 10)			\$ 8'	STPR	UEA	25.85	38.77	53.85	1463		
20.00	.375	API 5L, GR X-60,			epika kenggapungakan perjamban returnan kan persambahkan	11	WER	18.67	28.00	38.89	2025		
4.500	.237	API 5L, Gr. B SM			20'	27,10	WEP	11.39	17.09	23.73	3318		
2.375	.154	API 5L, Gr. B SM			10'		WEP	9.25	13.88	19.28	4085		
20.00	.375	Bend, Forged El	bow, Y-60 (ite	m#125)	1 ea.		WEP	18.67	28.00	38,89	2025		
													
						st Fluid	A STATISHED IN A TO	EST DURATIO	VAL				
Minimum Te	st Pressure	@ Max. Elevation		630 ı		Be Used		EST DURATIO BMYS (1 HR. MINI			HOURS		
				oge .		VATER		IVER (8 HRS. MINI!		Santanana papagan menerinten dalam d			
Maximum Te Prepared By:	est Pressure	@ Min. Elevation	Date:		PSIG Information or Chan	nes Call	- PREINSTALL/	ATION TEST (SEE Agproved By: _	ATTACHMEN	T 'A', GAS STD. A-	14) Date:		
Colin Silla	(d	w Xeller	06/15/11		rk Cabral (92)	mark	1) Cal	hal 6	-15-11		
PART II - TES	T DATA (TO E	BE PREPARED BY PERSO	N SUPERVISING TE	STAT TIME O	OF TEST)		Note: Minimu	m test pressure an	d duration are i				
	and the second						witho	ut written approval					
Time and Date	100 N. 1200, 0	825 P	12	Min Danie	ad Tool	631	T Mary Allan	wable Test 863					
		7-8-11	Elevation at Test Point		FT	Min. Required Test Press. At Test Point (1		PSIG	Press at To		PSIG		
Time and Date	Date 4:45 A Max Elevation in		evation in	15	Min. Indicated		643 Max, Ind PSIG Test Pres		aled	695 PSIG			
Test Ended		7-9-1/ Test Section F		<u>FI</u>	Test Pressu	and the second s		Test Press	Control of the Contro				
Actual Duration of Test	The same of the sa		- 15 FT	Min. Test Pressure 242 Max. Te at Max. Elevation (3) PSIG at Min.				st Pressure 707					
Test Fluid Used	i , ,		** 1 1031 DO	TODON		and the second second second second	Foolage Verified (And the Control of th	1 of Mills Cite	rausii (o)	1 100		
	WAT	ER											
		of Pressure Recording Gat		Date Last Cal		ke, Kange, and	Serial No. of Dead とってる	weight rester (Se	ie Note /) La 30	Uale La	st Calibrated		
Test Suppryise	d 94 ////		0.40	Dale:	/ AD	proved By:		~ C-D	***	Date:			
- Grand		reconstruct of	<i>201</i>	7-9-1	<u> </u>	ST-AS	Dolle	$\frac{2}{2}$	エロコ.	7-14-	11		
SHOW LOCAT	ON OF FACI	KETCH ON BACK OF THIS LITY TESTED, MINIMUM A	ND MAXIMUM ELEV	ATION IN FEE	ET, MILE POINTS, V	/ALVE NUMBER	RS AND INCORPC	RATED AREAS.	USE AN ADDIT	IONAL SHEET IF N	ECESSARY		
(SHOW REFER OF EACH ASS		ERS ON FACE OF ALL DE	RAWINGS AND ATTA	ACHMENTS).	FOR STATION PIP	ING, FABRICAT	ED UNITS AND SI	HORT SECTIONS	OF PIPE, ALS	O SHOW A DETAIL	ED SKETCH		
NOTES:				maracioni (Arbitella bitalona att			TRIBUTION						
		to elevation difference (bet at maximum elevation* fron		naximum eleve	tion) to	JOB FILE (AT SPONSORING ORGANIZATION)							
(2) Use lowes	t pressure on	test gauge at any time during to elevation difference (bel	ng test.	maylmum alou-	stion) from	GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT							
minimum i	ndicated test	oressure.		The second second second second		PROJECT MANAGER/PROJECT ENGINEER							
		to elevation difference (bet at minimum elevation* from		minimum eleva	tion) from	TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY							
(5) Highest pr	essure on les	gauge at any time during to levation difference (betwee	est	num eleustion)	to maximum	CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)							
indicated t	est pressure.	and the contract of the contra	The second second second			RECORDS SECTION (WC), GMS&TS							
(7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.													
space prov	nueu acove.					REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING							

