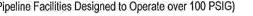


## Pacific Gas and Electric Company

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





	•	~	•	*						Sheet	_1of	_3	
PART I - DESIGN Feeder Main Number, Li			BY PROJECT ENGIN	EER) on/District					o Number		Date Job Authori	rod	
	ne Number, or Stab 132	on mane Al	ea Divisk 3	ANTASTICI	De A	n7a		10	4147407	18	June 6, 201		
Description of Joh Incl		vino Numbers a			DEA	1120		I	101101	<u>v 1</u>	oune o, zor	1	· •••
Redacted													
Hydrotest L-132 I	from MP 3.05	-4.00 Sa	nta Clara, CA	(Test	section 2	5)							
				•		*							
Location Class 3	Design Factor (F)	MAUP 10	be Established for this P		400 PS		Design Pres	ssure		a a a a a a a a a a a a a a a a a a a		400	PSIG
STATIC HEAD	DUE TO	Max. Elevation	<u>~</u>		ead Calculati	on					8 ps		
ELEVATION DIFI	and the first	Min. Elevation	<u> </u>			ľ	0.43	3 X Elev. C 					
(WHERE APPL		Elev. Diff. ecification	<u>19 Ft.</u>	Other (S	Specify)	Pine Si	pec. and	X Elev.		% of SMYS	PS		essure to
Size		API or AST			ootage to	Footage	e Verified		AL	At Min.	At Max.	- G	ive 90%
<u>0.D. W.T.</u> dacted	Long	Seam (ERW, DS	AW, Seamless, Etc.)	8	Be Tested		Field		MAOP	Test Press.	Test Press.		SMYS
						-					a secondaria de la companya de la compan en companya de la comp	- <u> -</u>	
									<u> </u>		<u>·</u>	+	
						1					1	1	
•			680			st Fluid			T DURATIO			8	House
Minimum Test Pressu	ire @ Max. Eleva	tion	080	PSIG		Be Used ATER	1		YS (1 HR. MININ R (8 HRS. MINIM		gui na ntai	0	HOURS
Maximum Test Press	ure @ Min. Eleva	lion	780	) PSIG			- PREIN		ON TEST (SEE )	ATTACHMEN	NT 'A', GAS STD.	A-34)	
•			IPERVISING TEST AT T	IME OF TES	1)		Note:		est pressure and written approval.		a not to be changed		
Time and Date Test Pressure Reached	11:45 pn 6-18-11	n 	Elevation at Test Point	ti i	19 FT	Min. Requir Press. At T		(1)	680 PSIG	And the second second	wable Test Test Point (	4)	771 PSIG
Time and Date Test Ended	0800 6-19-11		Max. Elevation in Test Section	n	19 FT	Min. Indical Test Press		(2)	695 PSIG	Max. Indi Test Pres		5)	748 PSIG
Actual Duration	8 hrs 15	min	Min. Elevation in	i	0 FT	Min. Test P at Max. Ele		(3)	695 PSIG	Max. Tes at Min. El	t Pressure	6)	756 PSIG
of Test Test Fluid Used	<u> </u>		Test Section	I	Pipe S	pecification and	I Footage V	erified (Se		1. ot willi, E	N76001 [	<u>-1 I</u>	1010
Water Make, Range, and Seria	I No. of Processies D.	cordina Course	Data La	ist Calibrated		A-A.TR			/eight Tester (Se	e Note 71	I Data	1 pet Cr	alibrated
CPI 1703 0/100		scorping cauge	5-2-1			ke, Range, and AETEK 0-			eigin rester (Se	6 MULE ()		29-10	
(SHOW REFERENCE N	ACILITY TESTED, IUMBERS ON FAC	MINIMUM AND	IEET MAXIMUM ELEVATION I INGS AND ATTACHMEN	N FEET, MIL ITS). FOR S	E POINTS, V	IALVE NUMBE	S AND IN	ICORPOR S AND SHO	ATED AREAS. I	USE AN ADD OF PIPE, AL	DITIONAL SHEET I	F NECE	ESSARY
OF EACH ASSEMBLY T NOTES: (1) Add the static head 'minimum test press (2) Use lowest pressur (3) Subtract static head minimum indicated Subtract static head 'maximum test pressure oo (6) Add static head due indicated test press (7) A dead weight teste of SMYS or greater space provided abo	ESTED. I due to elevation di sure at maximum e e on test gauge at a d due to elevation d test pressure. d due to elevation d ssure at minimum e n test gauge at any e to elevation differe sure. - However, if a dea ove.	fference (betwee levation* from PA any time during te ifference (betwee levation* from PA time during test. ince (between te hen testing to a p d weight tester is	n test point and maximum RT I. Ist. In test point and maximun In test point and minimum RT I. Ist point and minimum elev pressure which produces I used on any test, enter t	n elevation) to n elevation) fr n elevation) fr vation) to ma a stress leve he informatio	o rom ximum il of 90% on in the	DIS JOB GSM PRC TEC CAF REC	TRIBUTIC FILE (AT S M&TS RESI DECT MAN HNICAL & PITAL ACCO CORDS SEI	<u>DN</u> SPONSOR PONSIBLE NAGER/PF CONSTRI OUNTING CTION (W	ING ORGANIZA DISTRICT SUP ROJECT ENGINE JCTION SERVIC (FOREMAN'S C C), GMS&TS	tion) Erintende Eer Ces - Assigi Opy of Joe	ent Ned Jobs Only		2 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
2) ORIGIN	AL DOC	umen <sup>•</sup>	1 Signed	6-7 6-11	⊉-1) }-11								
3) Original (4) original	documen	A Sign + signe	ed 6/6/11 d 6/6/11	e									



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



Sheet \_\_\_\_\_\_ of \_\_\_\_\_

PART I - DESIC	ALPATA men										Sneet_		013	
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	Line Number, or Sta	uon Name	Area	Division/D	NSINCL	Ph. 21 4 1	- <u></u>		100	Number	10	Date Job Au		
	L-132	ouino humbo	3	Blagasta		De Ar	IZA			4147407	8 [	June 06	2011	
Redacted														5,
Hydrotest L-132	from MP 3.0	5-4.00	Santa Clara	, CA	(Test se	ection 25	5)		22			Louis ann an ann an an an an an an an an an a		
Location Class 3	Design Factor (F	) MAC	OP to be Establish	ed for this Piping	e	st )0 PSI	-1	esign Pressure	i		<u></u>		40	0 psig
		Max. Elev	ation 1	9 Ft.										0
STATIC HEA			~~~~~	I		d Calculatio	11	0.400.01	1200 B			8	PSIG	
ELEVATION DI		Min. Eleva			For Water			0.433 X E		- Brand and a state of the stat		-		
(WHERE APP	the second s	Elev. Diff.	1	9 Ft.	Other (Spe	city)	Pine St	x Dec. and	Elev. C	and the second se	% of SMYS		PSIG	Pressure to
Size		API o	r ASTM Grade		1	tage to	Footage	Verified		At	At Min.	At Max	<u>,</u>	Give 90%
O.D. W.1	, Lon	g Seam (ERV	V, DSAW, Seamle	ss, Elc.)	Be	rested	ln f	ield	N	IAOP	Test Press.	Test Pre	SS.	SMYS
Minimum Test Pres	sure @ Max. Elev	ation	······	680	PSIG	To B	t Fluid e Used ATER	- UNDER 30	% SMY	T DURATIO 'S (1 HR. MININ R (8 HRS. MINIM	ĪŪM)		8	HOURS
Maximum Test Pres	sure @ Min. Elev	ration		780	PSIG			- PREINSTAI	LATIC	N TEST (SEE	ATTACHMEI	NT 'A', GAS S	TD. A-34)	
Redacted			en in inde			A	A.8.		x.		a 11		r	
DADTH TEAT DATA														
PARTINESTUATA	(TO BE PREPARE	D BY PERSO	N SUPERVISING	TEST AT TIME	OF TEST)	-				est pressure and	I duration are	e not to be cha	inged	
PART II • TEST DATA	(TO BE PREPARE	D BY PERSO	N SUPERVISING	TEST AT TIME	OF TEST)					est pressure and rritten approval.	I duration are	e not to be cha	inged	
Time and Date	11:45 p	m	T.		OF TEST)		Min. Reguli	wi				e not to be cha	nged	771
	11:45 p 6-18-11	m	T.	ation at Test		19 FT	Min. Requir Press. At Tr	ed Test			Max. Allo		inged (4)	771 PSIG
Time and Date Test Pressure Reached Time and Date	11:45 p	m I	Elev. Poin Max.	ation at Test t			Press. At To Min. Indicat	wi ed Test est Point ( ed	thout w (1)	ritlen approval. 680 PSIG	Max. Alic Press at Max. Indi	wable Test Test Point icated	(4)	PSIG 748
Time and Date Test Pressure Reached Time and Date Test Ended	11:45 p 6-18-11 0800	m I	Elev Poin Max. Test	ation at Test t Elevation in Section		19 FT 19 FT	Press. At Ti Min. Indicat Test Pressi	wi ed Test est Point ( ed ire (	thout w	ritten approval.	Max. Alic Press at Max. Indi Test Pres	wable Test Test Point icated ssure		PSIG 748 PSIG
Time and Date Test Pressure Reached Time and Date Test Ended Actual Duration of Test	11:45 p 6-18-11 0800 6-19-11	m I	Elev Poin Max Test Min.	ation at Test t		19 FT 0 FT	Press. At To Min. Indicat Test Pressu Min. Test P at Max. Ele	ed Test est Point ( ed ire ( ressure vation (	(1) (2) (3)	ritten approval. 680 PSIG 695 PSIG 695 PSIG	Max. Alic Press at Max. Indi Test Pres	owable Test Test Point icated ssure st Pressure	(4)	PSIG 748
Time and Date Test Pressure Reached Time and Date Test Ended Actual Duration of Test Test Fluid Used	11:45 p 6-18-11 0800 6-19-11	m I	Elev Poin Max Test Min.	ation at Test t Elevation in Section Elevation in		19 FT 0 FT	Press. At To Min. Indicat Test Pressu Min. Test P at Max. Ele	ed Test est Point ( ed irre ( ressure	(1) (2) (3)	ritten approval. 680 PSIG 695 PSIG 695 PSIG	Max. Alic Press at Max. Indi Test Pres Max. Tes	owable Test Test Point icated ssure st Pressure	(4)	PSIG 748 PSIG 756
Time and Date Test Pressure Reached Time and Date Test Ended Actual Duration of Test Test Fluid Used Water Make, Range, and Ser	11:45 p 6-18-11 0800 6-19-11 8 hr. 15	em i i i min	Elev Poin Max Test Min, Test	ation at Test t Elevation in Section Elevation in Section Date Last C		19 FT 0 FT Pipe Sp	Press. At Tr Min. Indicat Test Pressu Min. Test P at Max. Ele ecification and e, Range, and	wi ed Test ast Point ( ed ire ( ressure vation ( Footage Verific Serial No. of Do	(1) (2) 3) ed (See	680 PSIG 695 PSIG 695 PSIG 695 PSIG Part I)	Max. Allic Press at Max. Indi Test Pres Max. Tes at Min. E	wable Test Test Point icated ssure st Pressure levation	(4) (5) (6) Date Last	PSIG 748 PSIG 756 PSIG Calibrated
Time and Date Test Pressure Reached Time and Date Test Ended Actual Duration of Test Test Fluid Used Water	11:45 p 6-18-11 0800 6-19-11 8 hr. 15	em i i i min	Elev Poin Max Test Min, Test	ation at Test t Elevation in Section Elevation in Section		19 FT 0 FT Pipe Sp	Press. At Tr Min. Indicat Test Pressu Min. Test P at Max. Ele ecification and e, Range, and	ed Test ast Point ( ed resure vation ( Footage Verific	(1) (2) 3) ed (See	680 PSIG 695 PSIG 695 PSIG 695 PSIG Part I)	Max. Allic Press at Max. Indi Test Pres Max. Tes at Min. E	wable Test Test Point icated ssure st Pressure levation	(4) (5) (6) Date Last 11-29- Date:	PSIG 748 PSIG 756 PSIG Calibrated
Time and Date Test Pressure Reached Time and Date Test Ended Actual Duration of Test Test Fluid Used Water Make, Range, and Ser CPL 1703 0/10 Redacted PUT SCHEMATIC PIP SHOW LOCATION OF (SHOW REFERENCE OF EACH ASSEMBLY NOTES: (1) Add the static he minimum test pri (2) Use lowest press (3) Subtract static he minimum indicate (4) Subtract static he maximum test pri (5) Highest pressure (6) Add static head d indicated test pressure (7) A dead weight test	11:45 p         6-18-11         0800         6-19-11         8 hr. 15         al No. of Pressure 1         00-PSI         ING SKETCH ON F         FACILITY TESTED.         ad due to elevation of ssure at maximum ure on test gauge at ad due to elevation of test pressure.         ad due to elevation of test gauge at an ure to elevation of the test gauge at an ure to elevation of the test gauge at an ure to elevation of the test gauge at an ure to elevation of the test gauge at an ure to elevation of the test gauge at an ure to elevation difference at the test gauge at an ure to elevation difference at the test gauge at an ure to elevation difference at the test gauge at an ure to elevation difference at the test gauge at an ure to elevation difference at the test gauge at an ure test gauge at an ure to elevation difference at test gauge at an ure to elevation difference at the test gauge at an ure testestest at test at test at test at test at test	ACK OF THI ACK OF THI ACK OF THI ACK OF ALL DI ANINIMUM A ACE OF ALL DI ANITORIA AND ANITORIA AND ANITARIA ANITARIA ANIT	Elev Poin Max. Test Min, Test Min, Test SHEET ND MAXIMUM EL RAWINGS AND A tween test point ar m PART I. ing test. tween test point a m PART I. tween test point a m PART I. test. an test point and n to a pressure which	ation at Test t Elevation in Section Elevation in Section Date Last C 5-2-11 LEVATION IN F6 TTACHMENTS) Ind maximum elevations and minimum elevations inimum elevations ini	EET, MILE ) FOR STA vation) to evation) from vation) from on) to maxin ress level of	19 FT 0 FT Pipe Sp Mak AM POINTS, V/ TION PIPIN n n n 1 90%	Press. At Ti Min. Indicat Test Press. Min. Test P at Max. Ele- ecification and e. Range, and ETEK 0-: ALVE NUMBE NG, FABRICA DIS JOB GSM PRC TEC CAP	wi ed Test est Point ( ed ressure vation ( Footage Verific Serial No. of De 3500 PSI 2 RS AND INCOF	(1) (2) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	ATED AREAS. RT SECTIONS NG ORGANIZA DISTRICT SUP OJECT ENGINI CTION SERVIC FOREMAN'S C	Max. Alic Press at Max. Indi Test Pres Max. Tes at Min. E e Note 7) e Note 7) USE AN ADE OF PIPE, AI TION) ERINTENDE EER EES - ASSIG	wable Test Test Point icated ssure st Pressure levation DITIONAL SHI LSO SHOW A	(4) (5) (6) Date Last 11-29- Date: 1 - \ 2 EET IF NE DETAILE!	PSIG 748 PSIG 756 PSIG Calibrated 10 S- 1\ CESSARY



## 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)

Feeder Main Number, Line Nu L-13 Description of Job Include F dacted Hydrotest L-132 from Location Class De 3 STATIC HEAD DUE ELEVATION DIFFERE (WHERE APPLICAB Size O.D. W.T.	2 teference Drawing Numbers, a i MP 3.05 – 4.00 Sa sign Factor (F) MAOP to .5 TO Max. Elevation NCE Min. Elevation	Inta Clara, CA (T b be Established for this Piping by 19 Ft. Sta 0 Ft. For 19 Ft. Ott TM Grade	De A est section 2 y this Test 400 PS atic Head Calculation w Water her (Specify) Footage to Be Tested	5)  G 	0,433 X Elev. ( X Elev. nd	Diff. =	78 3	<u>June 6, 2011</u> 8 PSI	400 1	
dacted Hydrotest L-132 from Location Class B STATIC HEAD DUE ELEVATION DIFFERE (WHERE APPLICAB Size O.D. W.T.	I MP 3.05 – 4.00 Sa sign Factor (F) MAOP to .5 TO Max. Elevation NCE Min. Elevation LE) Elev. Diff. Pipe Specification API or AS	Inta Clara, CA (T b be Established for this Piping by 19 Ft. Sta 0 Ft. For 19 Ft. Ott TM Grade	est section 2 y this Test <b>400</b> PS atic Head Calculation in Water her (Specify) Footage to	5) IG Pipe Spec. a Footage Veril	0,433 X Elev. ( X Elev. nd	%ff. = Diff. =	· · · · · ·	8 pSi	400 1	
Hydrotest L-132 from Location Class De 3 STATIC HEAD DUE ELEVATION DIFFERE (WHERE APPLICAB Size O.D. W.T.	sign Factor (F) MAOP to .5 TO Max. Elevation NCE Min. Elevation LE) Elev. Diff. Pipe Specification API or AS	b be Established for this Piping by       19     Ft.     Sta       0     Ft.     For       19     Ft.     Other       19     Ft.     Other       TM Grade     The state of the s	y this Test 400 PS atic Head Calculati r Water her (Specify) Footage to	IG Future Design IG Pipe Spec. a Footage Veril	0,433 X Elev. ( X Elev. nd	Diff. =	% of SMYS	8 PS		
Location Class De 3 ELEVATION DIFFERE (WHERE APPLICAB Size 0.D. W.T.	sign Factor (F) MAOP to .5 TO Max. Elevation NCE Min. Elevation LE) Elev. Diff. Pipe Specification API or AS	b be Established for this Piping by       19     Ft.     Sta       0     Ft.     For       19     Ft.     Other       19     Ft.     Other       TM Grade     The state of the s	y this Test 400 PS atic Head Calculati r Water her (Specify) Footage to	IG Future Design IG Pipe Spec. a Footage Veril	0,433 X Elev. ( X Elev. nd	Diff. =	% of SMYS	8 PS		
3 STATIC HEAD DUE ELEVATION DIFFERE (WHERE APPLICAB Size O.D. W.T.	.5 TO Max. Elevation NCE Min. Elevation LE) Elev. Diff. Pipe Specification API or AS	n <u>19</u> Ft. Sta <u>0</u> Ft. Fou <u>19 Ft. Oth</u> TM Grade	400 PS atic Head Calculati ir Water her (Specify) Footage to	IG Pipe Spec. a Footage Veril	0,433 X Elev. ( X Elev. nd	Diff. =	% of SMYS	8 PS		
ELEVATION DIFFERE (WHERE APPLICAB Size O.D. W.T.	NCE Min. Elevation LE) Elev. Diff. Pipe Specification API or AS	0 Ft. For 19 Ft. Out TM Grade	r Water her (Specify) Footage to	Pipe Spec. a Footage Veril	X Elev.	Diff. =	% of SMYS		G	
(WHERE APPLICAB Size O.D. W.T.	LE) Elev. Diff. Pipe Specification API or AS	19 Ft. Ot TM Grade	her (Specify)	Pipe Spec. a Footage Veril	X Elev.	Diff. =	% of SMYS		G	
Size O.D. W.T.	Pipe Specification API or AS	TM Grade	Footage to	Footage Veril	nd	At	% of SMYS	PSI		
0.D. W.T.	API or AS			Footage Veril	ied 📃	At	% of SMYS		G	
0.D. W.T.								A111	Pressu	
ted				<b>I</b>	1	MAOP	At Min. Test Press.	At Max. Test Press.	Give SM	
3.3 .Z10 [	AFT JL, ON D, ORICO	) (1001111714)		1 111.0.13.	Ŧ	0.20	Mit T	10:00	1 000	
Minimum Test Pressure @			SIG To	t Fluid <u>Mi</u> Be Used - U	NDER 30% SM	ST DURATIC	<u>)N</u> MUM)		8 но	
Maximum Test Pressure @ Min. Elevation		780 PS	SIG		- 30% SMYS & OVER (8 HRS. MINIMUM - PREINSTALLATION TEST (SEE AT			• Note that the second seco		
1		UPERVISING TEST AT TIME OF	TEST)			test pressure an written approval		int to be changed.		
Time and Date	1 1145 pm	i i i i i i i i i i i i i i i i i i i				I	1		<b>.</b> .	
Time and Date Test Pressure Reached	1145 pm 6-18-11	Elevation at Test Point	19 FT	Min. Required Te Press. At Test Po		680 PSIG	Max. Allow Press at Te	able Test	) P	
Test Pressure	6-18-11 0800 6-19-11		19 FT 19 FT			680 PSIG 695 PSIG	Max. Allow	able Test est Point (4 ated	) P 7	
Test Pressure Reached Time and Date Test Ended Actual Duration	6-18-11 0800	Point Max. Elevation in Test Section Min. Elevation in	19 FT	Press. At Test Po Min. Indicated Test Pressure Min. Test Pressu	int (1) (2)	695 PSIG	Max. Allow Press at Tr Max. Indica Test Press Max. Test	able Test est Point (4 aled ure (5 Pressure	) P 7 ) P	
Test Pressure Reached Time and Date Test Ended Actual Duration	6-18-11 0800 6-19-11	Point Max. Elevation in Test Section	19 FT 0 FT	Press. At Test Po Min. Indicated Test Pressure Min. Test Pressu at Max. Elevation	int (1) (2) re (3)	695 PSIG 695 PSIG	Max. Allow Press at To Max. Indica Test Press	able Test est Point (4 ated ure (5 Pressure	) P 7 ) P	
Test Pressure Reached Time and Date Test Ended Actual Duration of Test Test Fluid Used Water	6-18-11 0800 6-19-11 8 hrs. 15 min	Point Max. Elevation in Test Section Min. Elevation in Test Section	19 FT 0 FT Pipe S	Press. At Test Pc Min. Indicated Test Pressure Min. Test Pressu at Max. Elevation pecification and Foot	int (1) (2) re (3) age Verified (Se	695 PSIG 695 PSIG xe Part I)	Max. Allow Press at Tr Max. Indic: Test Press Max. Test at Min. Ele	able Test est Point (4 ated ure (5 Pressure vation (6	) P ) P ) P	
Test Pressure Reached Time and Date Test Ended Actual Duration of Test	6-18-11 0800 6-19-11 8 hrs. 15 min of Pressure Recording Gauge	Point Max. Elevation in Test Section Min. Elevation in	19 FT 0 FT Pipe S prated Ma	Press. At Test Po Min. Indicated Test Pressure Min. Test Pressu at Max. Elevation	int (1) (2) re (3) age Verified (Se I No. of Dead V	695 PSIG 695 PSIG e Part I) Veight Tester (Si	Max. Allow Press at Tr Max. Indic: Test Press Max. Test at Min. Ele	able Test ast Point (4 ated ure (5 Pressure vation (6 Date	) P 7 ) P 7	