

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

California Gas Transmission
(Use in Accordance with Gas Standard A-34 and GO 112-D)

IZF&I													Sheet	_1	of2	2	
		<b>)ATA</b> (TO BE		D BY PR	ROJECTE									****			
Feeder Main N	Number, Line N L-1	Division/District Redacted			ad	Job Number			Date Job Authorized								
	1	1			Reuacu	uacteu		41497358			July 16, 2012						
Description of	Job Include C) Hv	Reference Drav drostaticall	ving Number v test tie-	s, and Pipe in niece	eline Milepo s hvdro	osts Ostatic te	est ninina	and ex	istina 30"	L-132 Ex	ristina i	nineline m	aterial list	ed: ie: Pi	ne. elb	ows.	
		e "Material													p = , =	,	
		m MP Red						TIM-037									
Location Class	5 D	esign Factor (F)	MAO	P to be Est	ablished fo	or this Pipin	g by this Tes		i i	Design Pressu	re						
1,3		.5				т	30	0 PSI	G						30	00 PSIG	
STAT	TIC HEAD DU	Е ТО	Max. Eleva	tion	1131	_ Ft.	Static Head	Calculatio	n								
ELEVA	TION DIFFER	ENCE	Min. Eleval	tion	200	_ Ft.	For Water		<b></b>	0.433 X	Elev. Diff	f. =		404	PSIG		
(WHERE APPLICABLE) Elev. Diff.				931 Ft. Other (Specify)			cify)	X Elev. Diff. =					PSIG				
Pipe Specification									1 '	oec. and	% of SMYS Pressure to						
	Size API or ASTM Gr O.D. W.T. Long Seam (ERW, DSAW,					tc.)	1	Footage to Be Tested		Footage Verified In Field		At AOP	At Min. At Min. Test I				
30.00	0.375	Pipe, AP		m #103)		38'				3.46			.23 1463				
30.00	0.375	Elbow, Y		m #119)		4 Ea.				0.00	30.00	62.00		1350			
1.050	0.154	Pipe, AP		3. SMLS		m #216)		3'				.92	4.38	9.00		9240	
30.00	0.375	Pipe, AP			item #1)		3655'				3.08	34.62	71.5		1170		
30.00	0.312	Pipe, AP			<del></del>	item #3)		10'	·		1	7.74	41.61	85.9		974	
30.00	0.500	Elbow, 3		·	<u>`</u>	item #5)		Ea.			30	0.00	45.00	93.0	0	900	
		<u> </u>			· · · · · · · · · · · · · · · · · · ·												
						4E0			t Fluid			DURATIO			0		
Minimum Te	st Pressure	@ Max. Eleva	tion	13.4		450	PSIG		e Used ATER	1		3 (1 HR. MINI (8 HRS. MININ	•		8	HOURS	
Maximum Te	est Pressure	@ Min. Eleva	tion			930	PSIG	***	11 LIV	ı		•	ATTACHMEN	T 'A', GAS	STD. A-3	4)	
Prepared By:		lacted		Date:	116/1	Fo	r Information	or Change	es, Call:	7		Redacted			7-9	Date:	
Redacted	\_\						edacted						1.1 45			0 (2	
PARTII-TES	H DATA (101	BE PREPARED	BY PERSON	N SUPERV	ISING TES	STAL HIME	: OF (ESI)					itten approval	d duration are	not to be ch	angeu		
Time and Date Test Pressure	Time and Date				Elevation	ı at Test			Min. Requir	equired Test			Max. Allov	vable Test			
Reached					Point			FT P		Press. At Test Point (		PSIG	Press at Test Point		(4)	PSIG	
Time and Date Test Ended	€				Max. Ele Test Sec			FT		Min. Indicated Test Pressure		(2) PSIG		ated sure	(5)	PSIG	
Actual Duratio								• • • • • • • • • • • • • • • • • • • •	Min. Test P		\_/_	Max. To		***************************************	727		
of Test	11				Min. Elevation in Test Section			FT	T at Max. Elevation			(3) PSIG at Min. E			Elevation (6) PSIG		
Test Fluid Use	ed							Pipe Sp	ecification and	Footage Veri	fied (See	Part I)					
Make, Range, and Serial No. of Pressure Recording Gauge Date L						Date Last 0	Calibrated	Mak	e, Range, and	nge, and Serial No. of Dead Weight Tester (Se			e Note 7)	Note 7) Date Last Ca			
Test Supervised By:					Date:			Аррі	Approved By:						Date:		
SHOW LOCA	TION OF FAC	SKETCH ON BA	MINIMUM A	ND MAXIM	IÚM ELEV	ATION IN F	EET, MILE F	POINTS, V	ALVE NUMBE	RS AND INCO	RPORAT	TED AREAS.	USE AN ADD	ITIONAL SH	EET IF N	ECESSARY	
(SHOW REFE OF EACH AS:	RENCE NUM	BERS ON FACI	E OF ALL DR	AWINGS A	AND ATTA	CHMENTS	). FOR STA	TION PIPI	NG, FABRICA	TED UNITS AI	ND SHOF	RT SECTIONS	OF PIPE, AL	SO SHOW A	DETAIL	ED SKETCH	
NOTES:	OLWIDET TEO						······································			TRIBUTION							
		e to elevation di e at maximum e	JOB	JOB FILE (AT SPONSORING ORGANIZATION)													
"minimum test pressure at maximum elevation" from PART I.  (2) Use lowest pressure on test gauge at any time during test.  (3) Subtract stylic band due to elevation difference (between test point and maximum elevation) from											GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT						
(3) Subtract static 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							
"maximum test pressure at minimum elevation" from PART I.  (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 (FOREMAN'S COPY OF JOB)								
indicated test pressure.  (7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90%										RECORDS SECTION (WC), GMS&TS							
of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.										REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING							

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

(Use in Accordance with Gas Standard A-34 and GO 112

Sheet \_\_\_\_2 of \_\_\_2

		DATA (TO BE			PROJECT							· · · · · · · · · · · · · · · · · · ·					
Feeder Main Number, Line Number, or Station Name Area						Division/District					Jol	Job Number Date Jo			ob Authorized		
L-132 1  Description of Job Include Reference Drawing Numbers, and Pipeline						Redacted						41497358 J			uly 16, 2012		
Description of	Job Includ	e Reference Drav	ving No	umbers, and Pi	ipeline Mile	posts											
		/drostaticall													ipe, elb	ows,	
		e "Material o			er to Dw	g 414973				<u> 1 - Up</u>	dated t	for 2012 co	<u>nstruction.</u>				
Hydrotest	L-132 fr	om MP Red	acte	ed			(7	ΓΙΜ-037	-11)								
Location Class		Design Factor (F)		MAOP to be I	Established	for this Piping	•		1	esign Press	sure				à	nn .	
1,3		.5			· · · · · · · · · · · · · · · · · · ·	т	30	0 PSIG	3						3	00	PSIG
STAT	IC HEAD DU	IE TO	Max.	. Elevation	1131	Ft.	Static Head	Calculation	1								
ELEVA:	TION DIFFE	RENCE	Min	Elevation	200	Ft.	For Water			0.433	X Elev. D	oiff =		404	PSIG		
					931			15.4	X Elev. Diff. =				PSIG				
(WHE	RE APPLICA				301	Ft.	Other (Spec	ity)	Di 0		X Elev.		% of SMYS		P31G	December	
Cin		Pipe Sp			Prodo	-	- Ecoto	vao to	Pipe Spe		-	At	At Min.	At Ma		Pressu Give	- 1
	Size         API or ASTM Grad           O.D.         W.T.         Long Seam (ERW, DSAW, Se					Etc.)	Footage to Be Tested		Footage Verified In Field				Test Press. Test P				
							3 Ea.			***************************************							70
30.00	0.375 Elbow, Y-52, LR					(item #6)	<del></del>				23.08						
30.75	0.375	Sleeve, X				(item #8)	2 Ea.		·		23.65				73.33 30.15		42
2.375	0.218			MYS*, Fu				8'			9.7		73   14.59		5	2776	
	*****************	Welded*				item #11)							·····				
30.00	0.375	Pipe, AP	5L 2	X-52, SML	.S (	item #14)	4	'				23.08	34.62	71.5	54	11	70
30.00	0.375	Insulatin	g Jo	int, ANSI	300 (	item #15)	1 1	Ea.				-		-			
						<u></u>											
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							<del> </del>				+						
							1 1	Toet	Fluid	MAINIMA	IM TES	ST DURATIO	ıNı			115.11	
Minimum To	et Proceure	@ Max. Eleva	tion			450	PSIG		Used			YS (1 HR. MINI			8	но	URS
William 10	ot i iooouic	W MAX. LIOVA	tion.	<del>-</del>					TER			R (8 HRS. MINIM		<u> </u>	<u>.</u>		
Maximum Te	st Pressure	e @ Min. Eleva	tion			930	PSIG			- PREINS	TALLATI	ON TEST (SEE	ATTACHMEN	T 'A', GAS	STD. A-3	4)	
Prepared By									1								
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Redacted	Reda	ected		Date:	1/16/	VZ For R	Information edacted		s, Call:		<i>P</i>	Redacted			-7-	Date: /6 - /	12
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Redacted	[		BY PE	== 7		V2_ R	edacted		s, Call:	Note: N	/linimum t	Redacted	d duration are	not to be ch			2_
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