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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)

11913		_	- 277-	· · · · · · · · · · · · · · · · · · ·	1.1	117	AL			Sheet	1of	1
				ROJECT ENGINEEF				1				
	umber, Line N	umber, or Statio	on Name Area	Division/D				Job Ni			Date Job Authorize	d
132	tele forsteadar	D. (ving Numbers, and Pi	Peninsula					74074	<u> </u>	11/16/2011	
12017-Te	est A-Str	ength test a	existing 30", L-1	32. Existing mate d". (refer to DWG				etc, are	\$	~		
132 from	n MP 40.0	447 (Healy	Station) to MP	40.0563, San Br	uno, CA (T-120	17)						1.
cation Class	D	esign Factor (F) 5	MAOP to be E	stablished for this Piping) by this Test 300 PSI		Design Pressu	re				300 PSIG
STAT	IC HEAD DUI	ЕТО	Max. Elevation	N/A Ft.	Static Head Calculatio	n						
ELEVA'	TION DIFFER	ENCE	Min. Elevation	N/A Ft.	For Water		0.433 X	Elev, Diff.	<u>_</u>	<u></u>	PSI	G
(WHE	RE APPLICA	BLE)	Elev, Diff.	N/A Ft.	Other (Specify))	(Elev. Dif	f. =	N/A	PSI	G
		Pipe Sp	ecification		I	1	Spec. and	-		% of SMYS		Pressure to
O.D.	e W.T.	Long	API or ASTM G Seam (ERW, DSAW,		Footage to Be Tested		ge Verified Field	1 .	At NOP	At Min. Test Press.	At Max. Test Press.	Give 90% SMYS
30.00	0.375		-65,DSAW	(Item#105)	2	0	19-			31.38		1463
30.00	0.375	Cap,Y-60		(Item#123)	2Ea.	DEA.	89	20.0		34.0	38.67	1350
30.00	0.375		-52,DSAW	(Item #3)	61	85'	87	23	.08	39.23	44.62	1170
3600	0.375	API :	52 X-65	DSAW	3.1'	3.1'	84	22	.15	37.66	42.83	1218
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1				· · · · · · · · · · · · · · · · · · ·					, in the second s		244 244 244	
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								-	1257		<u> </u>	
	· · · · · · · · · · · · · · · · · · ·					1				<u> </u>		1
<u>.</u>						1						
	I					st Fluid	MINIMU				·	
Ainimum Te	est Pressure	@ Max, Elev	ation	510	-	Be Used brogen	- UNDER 3				Ļ	1 HOURS
/laximum Tr	est Pressure	@ Min. Elev	ation	580	PSIG		1				IT 'A', GAS STD. I	
repared By: loel Pasil		1 h	Date:		or Information or Chang Scott Clapp (530)		0	Ap	proved By:	14 I	Mak.	Dates 11/14/11
	the western the second		DRY PERSON SLIPE	RVISING TEST AT TIM		017 040		inimum tes	st pressure	and duration are	not to be changed	
796) II - 166	n parađio	11:1			on mail.				ritten appro		not to be unaliged	
Ime and Dat		- Per		. I	173		<u> </u>	T	570		ale Nation	577.8
est Pressure Reached	2		21-11	Elevation at Test Point	FT FT		uired Test Test Point	(1)	PSIG		wable Test Test Point (4	4) PSIG
		LIT KAN		173	Min, Indicated					and an article		
est Ended		44	22-11	Test Section	FT	Test Pre	Test Pressure		(2) PSIG		Test Pressure (5)	
ctual Duratio	on.	48.	- Hours	Min. Elevation in Test Section	168 FT	Min. Tes at Max. I	Pressure	(3)	534 PSIG	Max. Tes at Min, E	t Pressure 532	1 564-Ht 6) PSIG
of Test Fest Fluid Us	ed 🔹			TEST GECTION			nd Footage Ve	rified (See		1 di Willi, C	ievanon (r	
1		1061		1 8 6 L - 1	<u></u>	<u>n</u> /	nd Serial No. of	581	Tablette states	(See \$1.1. 75	Lau	1 10 22 1 1
	cal c		Recording Gauge		Calibrated Ma	ke, Ranga, a	IIG Senarivo. di IG 2		agait Tester	146-4		Last Calibrated
est Supervis	sed By:			Date:	Ag	proved By:	0)	0+	T	Aron	Da	te:
VUT SCUEM			ACK OF THIS SHEE	<u></u>	2-11 12	些华	- The	NUN	' R	a-20/		32/2011
SHOW LOCA	TION OF FA	CILITY TESTED), MINIMUM AND MA	XIMUM ELEVATION IN	FEET, MILE POINTS,	ALVE NUM	BERS AND INC	ORPORA	TED ANEA	S. USE AN ADI	DITIONAL SHEET	IF NECESSARY
	SEMBLY TE		JE OF ALL DRAWING	SS AND ATTACHMENT	SJ. FORSTATION FIR				RISCON	JNG OF FIFE, AI	LOU SHUW A DET	AILED SKETCH
(OTES: 1) Add the	etalic hoad d	ue to elevation :	difference (hetween to	est point and maximum e	levation) to		OB FILE (AT SI					
"minimu	im test pressu	re at maximum	elevation" from PART	k.	around as		n de la composition d La composition de la c			5 11 5 .		
(3) Subtrac	t static head c	lue to elevation	t any time during test. difference (between t	est point and maximum (evation) from					SUPERINTEND	-IN I	
minimu	m indicated te t static head c		difference (between I	est point and minimum e	levation) from	-R	ROJECT MAN/	AGER/PR	OJECTEN	GINEER		
"maxim	um test press	ure at minimum	elevation" from PART		an ann an 1997	Ĵ	ECHNICAL & C	CONSTRU	CTION SE	RVICES - ASSIG	NED JOBS ONLY	
6) Add sta	dic head due t	o elevation diffe	iy time during test. irence (between test p	point and minimum eleva	tion) to maximum	(APITAL ACCO	UNTING (FOREMAN	'S COPY OF JO	B)	
7) A dead	d test pressu weight tester	is only required	when testing to a pre	ssure which produces a	stress level of 90%	j.	ECORDS SEC	TION (WC	C), GMS&T	Š		
of SMY	S or greater.	However, if a di	ead weight tester is us	ed on any test, enter the	information in the	E	FPORT FAILU	RESTIND	FRITEST	O GAS ENGINE	FRING & PLANNI	NG

		Gas Pi		c Company cilities Streng as Designed to Op			port				(Use in Accordan	62-492 California Gas ce with Gas Standard A S		
-		i se constantes data						НП	<u>NAL</u>		Sheet	<u>∳of</u>	2	
			umber, or Stati	E PREPARED BY PI	CUJECT ENGINEER	The second se				Job Number	11	Date Job Authorized		
	-132	unioci, cino n	dimport of proc	on Namo Pica	Penins							11/16/2011		
7	Description of .	lob Include drotest 36	Reference Drav ",30",24" &	wing Numbers, and Pip 6" tie-in pipe an	eline Milenosts	uia				41474074		11110/2011		
been				Station) to MP			/T-120	17)		1999 B. C.	· · · · · · · · · · · · · · · · · · ·			
1	ocation Class		esign Factor (F)	*	stablished for this Pipin	g by this Te		Future D	esign Pressure		ana yayana Alfanan ana amari Ta	3	00 PSIG	
	STAT	IC HEAD DUE	то	Max. Elevation	N/A Ft.	Static Hea	d Calculatio	n						
	ELEVA	TION DIFFER	ENCE	Min. Elevation	N/A Ft.	For Water		241	0.433 X EI	ev. Diff. =		PSIG		
				Elev. Diff.	N/A Ft.	Other (Sp	acify)		XE	lev. Diff. =	N/A	PSIG		
-	Thatte	ALC PH 1 LIGHT		pecification				Pipe Sp	ipe Spec. and		% of SMYS	Pressure to		
	Siz			API or ASTM Gr		Foo	tage to	Footage	and the second	At	At Min,	At Max,	Give 90%	
	O.D.	W.T.	Long	Seam (ERW, DSAW, S	Seamless, Etc.)		Tested	In F	ield	MAOP	Test Press.	Test Press.	SMYS	
	36.00	0.500	API 5L,)	(-65, DSAW	(Item#100)		8	2	22	16.62	28.25	32.12	1625	
	36.00	0.500	Cap, Y-6	5	(Item#124)	1	Ea.	164.	24	16.62	28.25	32.12	1625	
			time	; 36" x 24",Y-65	j				1					
	36.00	0.500	Concent		(Item#108)	1	Ea.	IEA.	12	16.62	28.25	32.12	1625	
**	24.00	0.375		K-60, DSAW	(Item#106)		242	10'	22	16.00	27.20	30.93	1688	
ī 0	,30.00	0.375	Elbow, L		(Item#127)		Ea.	ZEA	3.9	16.00	27.20	30.93	1688	
5	30.00	0.375	and the second se	; 30" x 24",Y-60			Ea.	15A.	22	18.46	31.38	35.69	1463	
	30.00	0.375		X-65, DSAW	(Item#105)		5	4'	2.2	18.46	31.38	35.69	1463	
	30.00	0.375	Cap, Y-6		(ltem#123)		Ea.	IEA.	2.2	18.46	31,38	35,69	1463	
	6.625	0.280	Sector Se	RB,SMLS	(item#107)		\$	10.5'	22	10.14	17.24	19.60	2263	
	6.625	0.280	L'aurona anna anna anna anna anna anna anna	ve, ANSI 300	(Item#183)		∼ Ea.	18A.	001	10.14	17.24	19.60	2263	
-		1		and the second	(item#103)		Ea.	IEA.	2,2	10.14	17.24	19.60	2263	
	6.625	0.280	Cap, GR	B BR-B	(Item#120	<u></u>	Ea.	264	29	10.14	17.24	19.00	2263	
	Minimum Te	mum Test Pressure @ Max. Elevation 510						st Fluid Be Used MTER WHEN	- UNDER 304 - 30% SMYS	TEST DURAT % SMYS (1 HR. M & OVER (8 HRS. M	IRATION IR. MINIMUM) 1 HOURS			
	Prepared By:		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	en la rei	L F	PSIG or Informati	Marian	and the second se	- FINLING IFN	Approved By:				
	Joel Pasi	las 🌽	1/ Ya	11 11) 514-6482			UY]]	lla i	Date: 1//14/11	
		ST DATA (TO		D BY PERSON SUPER		E OF TEST) 			num test pressure thout written appro		not to be changed	ing and the second s	
	Time and Da Test Pressun Reached		19-	12 Pm	Elevation at Test Point		73 FT	Min. Requi		(1) SIO PSIG	Press at "	wable Test Fest Point (4	Contraction of the second s	
Time and Date Test Ended			22-11	Max. Elevation in Test Section		73 FT 68	Min. Indica Test Press	ure	(2) S3 C PSIC 53 C	G Test Pressure (5				
Í	Actual Durati of Test	on	100	tours	Min, Elevation in Test Section	6	FT	Min. Test P at Max, Ele		(3) PSIG	Max, Tes at Min, El	t Pressure 77 *** evation (6)	PSIG	
-	Test Fluid Us	NI	1900 0. ol Pressure			Calibrated	Pipe S		d Footage Verifi A-587				ast Calibrated	
	(Shate)/ASA	ha	8	1000 03	Date:	<u>7-11</u> 9-1	A	opycyed By:	<u>ek 25</u> 9-1	- <u>9000</u>	<u>1+1-4</u> 1587.	(<u>321 / 10</u> Date ///	1	
	SHOW LOC/ (SHOW REF	STICN OF FAI	CILITY TESTER MBERS ON FA	BACK OF THIS SHEE D, MINIMUM AND MAX CE OF ALL DRAWING	IMUM ELEVATION IN	EFET MIL	POINES	VALVE NUMBE	AND INCO	RPORATED ARE D SHORT SECTION	AS USE AN ADD	TIONAL SHEET I	NECESSARY	
	NOTES: (1) Add the "minimu	static head d um test pressu	ue to elevation re at maximum	difference (between tes elevation" from PART		elevation) to		JOE		NSORING ORGA				
	(3) Subtrac minimu	t static head c m indicated te	lue to elevation st pressure.	it any time during test. difference (between te						SIBLE DISTRICT ER/PROJECT EN		INT		
	"maxin	um test pressi	ure at minimum	difference (between te elevation" from PART		elevation) fri	ากา	TE	CHNICAL & CO	NSTRUCTION SE	RVICES - ASSIG	NED JOBS ONLY		
	(5) Highes (6) Add sta	t pressure on f itic head due f	est gauge at ar o elevation diffe	ny time during lest. erence (belween test pr		ilion) to ma	kimum	CA	PITAL ACCOUN	ITING (FOREMAN	I'S COPY OF JOI	3)		
	(7) A dead		is only required	when testing to a pres				RE	CORDS SECTIO	ON (WC), GMS&T	S			
A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE		S or greater. provided abovi		ead weight lester is use	ed on any test, enter th	e informatio	n in the	RE	PORT FAILURE	S UNDER TEST	TO GAS ENGINE	ERING & PLANNIN	3	