

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

## PINAL

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

IM. (3).	7		The second second									Sheet	_10t	4		
PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)																
Feeder Main I			on Name Area	strict	was in the			Job	Number		Date Job Authorized					
Description of	L-1		wing Numbers, and	2			Missi	on			4147408	3/11				
Hydrostat Existing	ically test 30" mater	30" tie-in pi ials listed a	ping, hydrosta re from the M 0 - 13.61 Hi	atic test pipi aterial of Re	ing, and ecord" (	refer t		41474085	5 Sheet 6)	, revis	sed per des	ign chang	e #3			
				•				*	newálui-							
Location Clas	s E	esign Factor (F)	MAOP to be	Established for	r this Piping		this Test Future Design Pressure 420 PSIG						420 PSIG			
STATIC HEAD DUE TO Max. Elevation 34 Ft. Static Head Calculation  ELEVATION DIFFERENCE Min. Elevation 3 Ft. For Water 0.433 X Elev. Diff. = 13 PSIG																
ELEVA	ATION DIFFER	RENCE	For Water 0.433 X					( Elev. Diff. = 13 PSIG								
(WHE	ERE APPLICA		Elev. Diff.	31	Ft.	Other (Sp	ecify)		X Elev. Diff.			= PSIG				
Siz	10	Pipe Sp	ecification API or ASTM	Grada		FA	ntana to		Pipe Spec. and Footage Verified		% of SMY At At Min.		At Max.	Pressure to Give 90%		
O.D.	W.T.	Long	Seam (ERW, DSA)		lc.)	Footage to Be Tested		In Field		٨		Test Press.	Test Press.	SMYS		
30.00	.375	API 5L, G	R X-65, DSA	W		151'		143.5' A		2	5.85	43.94	53.85	1463		
30. <b>0</b> 0	.424		DSAW (item			143'		M.O.R.				38.86	47.62	1654		
30.00	.375		DSAW (item			2,463'		M.O.R.		-	8.00	47.60	58.33	1350		
30.00	.375	GR X-52,	DSAW (item	#10)		20	)619'	2058	35.9' A	1 3	2.31	54.92	67.31	1170		
						╄	11, 11									
			***************************************	·		╂			***************************************				<u>i.d.</u>	_		
Minimum Te	Minimum Test Pressure @ Max. Elevation 714 PSIG								Test Fluid							
	est Pressure	@ Min. Eleva	tion		k'	PSIG - PREINS					NSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)					
Prepared By:	ral D. A	Andra I	2 (4) Date				on or Change			Α	pproved/By:	///	7/141	Date: (3)		
Mark Cabral Mark Cabral 106/22/11 Scott Clapp (530) 514-6482 7/4/11 (3)  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																
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											ritten approval.	CUI GUOII GIO	iot to be charge.	,		
Time and Date 10:45 am								Lana de la d		<u> </u>		1				
Test Pressure Reached	t Pressure 6-29-11 Elevation at Test Point				at Test	19 FT				(1)	(1) <b>720.5 PSIG</b> Press		rable Test est Point (	4) 868 PSIG		
Time and Date Test Ended	0-29-11 Test Section					34 FT		Min. Indicated Test Pressure		(2)	737 PSIG	Max. Indic Test Press		793 5) PSIG		
Actual Duration of Test	Actual Duration 8 hrs, 15 min Min. Elevation in Test Section						Min. Test Pre 3 FT at Max. Eleva			(3)	730.5 PSIG	Max. Test at Min. Ele		800 6) PSIG		
Test Fluid Use Water	d						Pipe Sp WEP	ecification and	Footage Verif	fied (Sec	Part I)	Australia "	TRESPA	NDA		
Make, Range, and Serial No. of Pressure Recording Gauge  CLP 1720-0-1000 PSI  6-10-11												Date Last Calibrated 6-7-11				
Test Supervise	ed By://	//	(z)	111	Date: 7-74	-//		oved By:	KI.		7.9	CCF	Da			
SHOW LOCAT	TION OF FAC	LITY TESTED,	CK OF THIS SHEE MINIMUM AND MA OF ALL DRAWING	I XIMUM ELEVA	TION IN FE	ET, MILE						ISE AN ADDI	TIONAL SHEET I	F NECESSARY		
OF EACH ASS																
(1) Add the s	NOTES:  (1) Add the static head due to elevation difference (between test point and maximum elevation) to  "minimum test pressure at maximum elevation" from PART I.									DISTRIBUTION  JOB FILE (AT SPONSORING ORGANIZATION)						
(2) Use lowe	st pressure or	test gauge at a	ny time during test. Iference (between t		aximum elev	vation) fro	m:	GSM	&TS RESPON	VSIBLE	DISTRICT SUP	ERINTENDEN	IT			
minimum	indicated test	pressure.	ference (between t					PRO	JECT MANAG	SER/PR	OJECT ENGINE	ER				
"maximu	n test pressur	e at minimum el	evation* from PART		uii eity	and in or	**	TECH	INICAL & CO	NSTRU	CTION SERVIC	ES - ASSIGN	GNED JOBS ONLY			
(6) Add static	chead due to			oint and minimu	ım elevatior	) to maxi	mum	CAPI	TAL ACCOUN	NTING (	FOREMAN'S CO	OPY OF JOB)				
(6) Add static head due to elevation difference (between test point and minimum elevation) to maximum 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											g, Gmaata					

1-ORIGINAL DOCUMENT SIGED 6-30-11 (2) ORIGINAL DOCUMENTS SIGNED 6-29-11
(2) Original document signed 6/22/11
(4) Original document signed 6/22/11



Pacific Gas and Electric Company

CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

RECORDS SECTION (WC), GMS&TS

62-4921 (Rev. 2/04) California Gas Transmission

Gas Pipeline Facilities Strength Test Pressure Report (Use in Accordance with Gas Standard A-34 and GO 112-D) (For Pipeline Facilities Designed to Operate over 100 PSIG) Sheet 2 of PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER) Feeder Main Number, Line Number, or Station Name Division/District Job Number Date Job Authorized Mission 41474085 6/23/11 Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153 Existing 30" materials listed are from the Material of Record" (refer to DRWG 41474085 Sheet 6), revised per design change #3 Hydrotest L-153 from MP 9.20 - 13.61 Hayward, CA (Test section 45) Location Class Design Factor (F) MAOP to be Established for this Piping by this Test Future Design Pressure 3 .5 420 420 **PSIG PSIG** 34 STATIC HEAD DUE TO Max. Elevation Ft. Static Head Calculation 3 13 PSIG **ELEVATION DIFFERENCE** Ft. 0.433 X Elev. Diff. = Min. Elevation For Water 31 PSIG Ft. X Elev. Diff. = (WHERE APPLICABLE) Fley Diff. Other (Specify) % of SMYS Pipe Spec. and Pressure to Pipe Specification API or ASTM Grade Footage to Footage Verified At Min. At Max. Give 90% Size In Field Test Press. SMYS O.D. W.T. Long Seam (ERW, DSAW, Seamless, Etc.) Be Tested MAOP Test Press 1 8.01 16.69 4718 4.5 .337 Gr. B, SMLS (item #12) M.O.R. 13.62 1' .216 Gr. B, SMLS (item #13) M.O.R. 9.72 16.53 20.25 3888 3.5 2047 30.00 .656 Ell, Forged, Y-52 (item #1) M.O.R. 18.47 31.40 38.48 2 ea. 30.00 .375 Ell, Forged, Y-60 (item #2) 8 ea. M.O.R. 28.00 47.60 58.33 1350 30.00 .375 Ell, Forged, Y-52 (item #3) 4 ea. M.O.R. 32.31 54.92 67.31 1170 30.00 .375 Bend, Unknown Grade (item #4) 10 ea. M.O.R. . . 788 Ell, Forged, Grade B, SMLS (item #5) M.O.R. 48.00 81.60 100.00 30.00 .375 4 ea. MINIMUM TEST DURATION Test Fluid 714 PSIG 8 HOURS - UNDER 30% SMYS (1 HR. MINIMUM) Minimum Test Pressure @ Max. Elevation To Be Used WATER - 30% SMYS & OVER (8 HRS. MINIMUM) 875 **PSIG** PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34) Maximum Test Pressure @ Min. Elevation For Information or Changes, Call: 7/14/11 Prepared By: Date: Approved By Date 7/14/11 (7) 06/22/11 Scott Clapp (530) 514-6482 Mark Cabral 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 10:45 am 868 Min. Required Test Max. Allowable Test Test Pressure Elevation at Test 6-29-11 19 FT Press. At Test Point (1)720.5 PSIG Press at Test Point (4) **PSIG** Reached Point 7:00 pm Min. Indicated Max. Indicated 793 Time and Date Max. Elevation in 6-29-11 34 FT Test Pressure (2)**737 PSIG** Test Pressure (5) PSIG Test Ended **Test Section** 8 hrs, 15 min 800 Min. Test Pressure Max. Test Pressure **Actual Duration** Min. Elevation in 730.5 PSIG PSIG 3 FT (3) (6)of Test **Test Section** at Max. Elevation at Min. Elevation Test Fluid Used Pipe Specification and Footage Verified (See Part I) WEP Water Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Date Last Calibrated Make, Range, and Serial No. of Pressure Recording Gauge Date Last Calibrated AMETEK, 0-3000 PSI, 6301 CLP 1720, 0-1000 PSI 6-7-11 6-10-11 Date: Test Supervised By Date Approved By: 1 (2) 7-13-11 7-14-11 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. NOTES: DISTRIBUTION JOB FILE (AT SPONSORING ORGANIZATION) Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test 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 PROJECT MANAGER/PROJECT ENGINEER minimum indicated test pressure. 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

of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the 1- ORIGINAL DOCUMENT SIGNED 6-30-11

Add static head due to elevation difference (between test point and minimum elevation) to maximum

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

2) ORIGINAL DOCUMENT SIGNED 6-29-11

(3) original document signed 6/22/11

Highest pressure on test gauge at any time during test.



## 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 3 of 4																	
PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)																	
Feeder Main Number, Line Number, or Station Name Area Division/District										.,	Joi	Job Number		Date Job Authorized			
L-153 2													4147408	35	6/23/11		
Hydrostati	Description of Job Include Reference Drawing Numbers, and Pipeline Mileposts Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153 Existing 30" materials listed are from the Material of Record" ( refer to DRWG 41474085 Sheet 6) Revised per design change #3																
	Hydrotest L-153 from MP 9.20 – 13.61 Hayward, CA (Test section 45)																
Location Class Design Factor (F) MAOP to be Established for this Piping by this Test 420 PSIG  Future Design Pressure												4	120 PSIG				
STAT	STATIC HEAD DUE TO Max. Elevation 34 Ft. Static Head Calculation																
ELEVATION DIFFERENCE Min. Elevation 3 Ft. For Wate								ater	0.433 X Elev. Diff. = 13 PSIG								
(WHERE APPLICABLE) Elev. Diff. 31 Ft. Other (Specif								(Specify)	1	X Elev. Diff. = PSIG							
		Pipe Sp	ecification					Pipe Spec, a				\$4400000000000000000000000000000000000					Pressure to
O.D.	e W.T.	Long	API or Seam (ERW	ASTM Gr , DSAW,		Footage to tc.) Be Tested				Footage Verified In Field			At At Min MAOP Test Pres		At M Test Pi	-1	Give 90% SMYS
30.00	Unk	Sleeve, C	Grade Un	knowr	ı (item #	ı (item #11)			2 ea.		M.O.R.			*	-		
30.00	0.375	Elbow, Y	-60, LR 4	15º (ne	w span	x-ing)	4 ea	ea. M.O.R.		).R.	28.00		47.60	.60 58.33		1350	
				*******************************											<u> </u>		
			···-				+					-			-		
			<u> </u>		akulmasu olombas linu auculmusu	-	┪					$\vdash$					
							+					T					
Minimum Test Pressure @ Max. Elevation 714 PSIG Test Fluid To Be Used UNDER 30% SMYS (1 HR. MINIMUM) 8 I											HOURS						
Maximum Test Rressure @ Min. Elevation 875 PSIG										- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)							
Prepared By: Mark Cabr	alma	ADQ	Vral	Date: 06/22	7-15- 111 74			ation or Tapp (		s, Call: 514-6482	Autopolipus (Autopolipus Autopolipus Autopolipus Autopolipus Autopolipus Autopolipus Autopolipus Autopolipus A	^^	pproved By:	104	1	7/14	Date: / / (3)
PART II - TES	T DATA (TO	BE PREPAREO	BY PERSO	N SUPER	VISING TES	T AT TIME	OF TE	ST)					est pressure and written approval.	duration are	not to be ch	ranged	
Time and Date	<u> </u>	10:45 an	):		- Constant	on of Tool				We Decide	.d.Ta1			Mary Affair			868
Test Pressure Reached		6-29-11			Point	Elevation at Test Point			19 FT		Min. Required Test Press. At Test Point (		720.5 PSIG Press at		owable Test Test Point (4)		PSIG
Time and Date Test Ended	·	7:00 pm 6-29-11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Max. Ele Test Sec		34 F1		:T	Min. Indicated Test Pressure		(2)	737 PSIG	Max. India Test Pres		(5)	793 PSIG
Actual Duration of Test	stual Duration 8 hrs, 15 min Min. Elevation in							3 F	т	Min. Test Pressure at Max. Elevation			730.5 PSIG	i man root rootero			800 PSIG
Test Fluid Use Water	d							F		ecification and		(3) fied (Se					
		of Pressure Re	ecording Gau	ge		Date Last 0 6-10-11		id		Range, and S ETEK, 0-3			eight Tester (Se	e Note 7)		Date La 6-7-1	st Calibrated
Test Supervise		II.	7	)		Date: 7-/4/		7		oved By:	l B	0 D	$K_{\lambda}$	1 LU1 7-	7	Date: - パろ	
PUT SCHEMA	TIC PIPING S	KETCH ON BA	CK OF THIS	SHEET	WIIM ELEV			II E PON	UTS VA	I VE NUMBER	S VNU INCO	DRPOR.			ITIONAL SI	HEET IE I	JECESSARV
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: (1) Add the s	tatic head due	to elevation dif	ference (bet	ween test	point and m	aximum ele	evation)	lo		***************************************	RIBUTION FILE (AT SP	-	ING ORGANIZA	TION)			
numinim"	test pressure	e at maximum el i test gauge at a	evation" fron	PART I.	*	4,					and a second second		DISTRICT SUP	engarine gen	NT		
	static head du indicated test	e to elevation di pressure.	fference (bel	ween test	point and m	naximum ele	levation)	from		PRO.	JECT MANA	GER/PR	OJECT ENGINE	ER			
(4) Subtract s	static head du n test pressur	e to elevation di e at minimum el	evation" from	PART I.	point and n	iinimum ele	evation)	from					ICTION SERVIC		VED JOBS (	ONLY	
(6) Add statio	head due to	it gauge at any elevation differe			nt and minim	ium elevatio	on) to m	aximum		CAPI	TAL ACCOU	NTING	FOREMAN'S CO	OPY OF JOB	)		
(7) A dead w		only required w								RECO	ORDS SECT	ION (W	C), GMS&TS				
	or greater. Hi vided above.	owever, if a dea	u weignt test	er is used	on any test	enter the i	mormat	ion in the	t:	REPO	ORT FAILUR	ES UND	ER TEST TO G	AS ENGINEE	RING & PL	ANNING	

1-ORIGINAL DOCUMENT SIGNED 6-30-1)
(2) ORIGINAL DOCUMENT SIGNED 6-30-1)
(3) Original document Signed 6/22/11
(4) Original document signed 6/22/11 @



## 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														
PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)  Feeder Main Number, Line Number, or Station Name   Area   Division/District   Job Number   Date Job Authorized														
Feeder Main	Number, Line I	lumber, or Stat	on Name Area	Division/	District				ob Number			ite Job Authorized		
	L-1			2		Missi	on		4147408	5	6/23	6/23/11		
Description of	Job Include	Reference Dra	wing Numbers, and F	Pipeline Mileposts	2.	y 10 101	-							
Cut-caps to facilitate hydrotest (See drawing 41474085) Revised per design change #3														
Hydrotest L-153 from MP 9.2-13.61 Hayward, CA (Test section 45)														
Location Class Design Factor (F) MACP to be Established for this Piping by this Test Future Design Pressure														
3 .5 420 PSIG 420											420 PSIG			
												120 1010		
ELEVA	ATION DIFFER	ENCE	Min. Elevation	<u> N/A</u> Ft.	For Wate	r	-	0.433 X Elev. Diff. =			PSI	G		
(WHI	ERE APPLICA	BLE)	Elev. Diff.	N/A Ft.	Other (Sp	pecify)		X Ele	r. Diff, =	PSIG				
	***************************************		ecification	ec, and	% of SMYS Pressure to									
Siz			API or ASTM			otage to	Footage Verified		At	At Min.	At Max.	Give 90%		
O.D.	W.T.		Seam (ERW, DSAW		Ве	Tested	In Fi			est Press.	Test Press.	SMYS		
30.00	0.375	A	PI 5L, GR X-6	i5, DSAW		8'	M.O.R.		25.85	43.94 53.85		1463		
4.5	.237	API 5L,	GrB SMLS, 35	5,000 (item#113)	2	6' 9'''	269 NEO	ER. @_	11.39	19.37 23.73		3318		
***************************************														
·····			**************************************		-		1.							
	<u> </u>					Ton	Eluid I	RAINURALIRA TO	ET DUDATION	l	<u>i                                    </u>	<u> </u>		
Minimum Test Pressure @ Max. Elevation 714 PSIG Test Fluid To Be Used -UNDER 30% SMYS (1 HR. MINIMUM												1 Hours		
THIRD TO	70111000410	e mon Livro	0011			-1	NTER		/ER (8 HRS. MINIML					
Maximum T	est Pressure	@ Min. Eleva	tion	875	PSIG			- PREINSTALLA	TION TEST (SEE A	TTACHMEN	Γ 'A', GAS STD. A			
Prepared By:		a //	Date:			on or Change			Approved By:	///	2/11/	Date:		
Mark Cab	raly MM	alla	< 06/2	42/11   8	scott Cla	pp (530)	514-6482		11//	441	7/14/11	(3)		
PART II - TES	ST DATA (TO	BE PREPARED	BY PERSON SUPE	RVISING TEST AT TIM	E OF TEST	}			test pressure and	duration are r	not to be changed			
								Withou	t written approval.					
Time and Dat		10:45 an	1				Min. Required Test Press, At Test Point Min. Indicated Test Pressure			140 14000	tina factores tota	000		
Test Pressure Reached		6-29-11		Elevation at Test Point		19 FT			720.5 PSIG	Max. Allow Press at T		868 PSIG		
	<u> </u>	7:00 pm				10.1.1			120.07 010	<b></b>	(1000)	793		
Time and Date Test Ended	e:	6-29-11		Max. Elevation in Test Section		34 FT			737 PSIG	Max. Indic				
		8 hrs, 15	min			<u> </u>						800		
Actual Duration of Test	)N			Min. Elevation in Test Section		3 FT	Min. Test Pro at Max. Elev		(3) 730.5 PSIG at Min. Elevation (6) PS					
Test Fluid Use	ed							Footage Verified (		1				
Water			_			WEP								
			ecording Gauge	100 9800 000	Calibrated				Weight Tester (See	Note 7)	1 .	ast Calibrated		
	0-1000 F	<del>'\$1</del> //		6-10-1	<u> </u>	34,000,000	ETEK, 0-3	000, 6301			6-7-			
Test Supervis	едву:///	///	(2	) Date: プーノ	d-11	Appr	oved By:	1/2/1	$\mathcal{L} \supseteq \mathcal{A}_{\mathcal{A}}$	C (74	Date	13-11		
PUT SCHEM	ATIC PIPING S	KETCH ON B	CK OF THIS SHEE		7 11.	$\mathcal{H}$	and the same of th	++++	$+\Delta - A$	100 100 100				
SHOW LOCA	TION OF FAC	LITY TESTED.	MINIMUM AND MAX	XIMUM ELEVATION IN	FEET, MILE	POINTS, V	ALVE NUMBER	S AND INCORPO	RATED AREAS. U	SE AN ADDI	TIONAL SHEET IF	NECESSARY		
	RENCE NUM SEMBLY TES		E OF ALL DRAWING	S AND ATTACHMENTS	s). FOR ST	ATION PIPI	NG, FABRICAT	ED UNITS AND S	HORT SECTIONS	OF PIPE, ALS	O SHOW A DETA	ILED SKETCH		
NOTES:	OLINDET TEO						DIST	RIBUTION						
				st point and maximum e	evation) to		JOB I	FILE (AT SPONSO	RING ORGANIZAT	ION)				
			levation* from PART any time during test.	I.e.			GSM	&TS RESPONSIB	E DISTRICT SUPE	RINTENDEN	<b>∤T</b>			
(3) Subtract	static head du	e to elevation d		est point and maximum e	elevation) fro	om		and the second second second		A CONTRACTOR OF THE PARTY	5.47			
	n indicated test static head du		fference (hahvaan te	est point and minimum e	evation) fro	ım'-	PRO.	IECT MANAGER/	PROJECT ENGINE	ER				
"maximu	ım test pressur	e at minimum e	evation* from PART		oregony no		TECH	INICAL & CONST	RUCTION SERVIC	ES - ASSIGN	ED JOBS ONLY			
			time during test.	oint and minimum elevat	ion) to may	imum.	CVDI	TAL ACCOUNTIN	G (FOREMAN'S CO	DRY OF IODA	17			
indicated	i test pressure		Control of the Contro		,									
(7) A dead v	veight tester is	only required w	hen testing to a pres	sure which produces a s	tress level	of 90%	RECO	ORDS SECTION (	NC), GMS&TS					

2-ORIGINAL DOCUMENT SIGNED 6-30-11

(3) Original document signed 6/22/11

(4) original document signed 6/22/11

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING