Hydrostatic Test Log Sheet

Owner Company	PG+E	Job Number	4474079
Construction Co.	ARB	Job Number	0629-53-3500
Testing Co.	AVRT	Job Number	PG+E 6-09-11

Test Section

	Name	Station (0+00)	Elevation (Feet)
Test Location		125 +00	44
Begin		125 +00	44
End		00+00	171
High Elevation		25+75	366
Low Elevation		111+50	41

Pipe Data

Section	Length (ft.)	O. D. (in.)	W.T. (in.)	Restrained (ft.)	Unrestrained (ft.)	Grade	Seam/Joint Type
1	33	36	0.500		33	X-65	DSAW Arc Weld
2	75	30	0.375		75	X-65	DSAW Arc Weld
3	8	30	0.375	8		X-42	DSAW Arc Weld
4	2575	36	0.3600	2575		X-60	DSAW Arc Weld
5	857	36	0.360	857		X-52	DSAW Arc Weld
6	8317	30	0.375	8317		X-52	DSAW Arc Weld
7	641	30	0.3125	641		X-52	DSAW Arc Weld
8	10	4.5	0.237		10	GR B	Sm Arc Weld
9	148	36	0.406	148		X-52	DSAW Arc Weld
10							
11							

Test Period	Date	Time	Test Medium	
Begin	6/9/11	3:45 PM	Water	☑
End	6/9/11	12:00 Midnite	Nitrogen	☐
			Other	☐

Test Instrumentation

Description	Calibration Checked	Serial Number	Date Calibrated/Certified	Installation Correct
CHANDLER Dead Weight Pressure Tester		21495	10-26-10	☑ Yes
BARTON Pressure Recorder	☑ Yes	242E-39611	6-7-11	☑ Yes
DIGI-SENSE Ambient Temperature Recorder	☑ Yes	49800247	9-16-10	☑ Yes
CLIFF MOCK Restrained Pipe Temperature Recorder	☑ Yes	3561	2-4-11	☑ Yes
Unrestrained Pipe Temperature Recorder	☑ Yes	265-27758	6-7-11	☑ Yes

BARTON

Hydrostatic Test Log

Log No.	Time	Test Pressure (psig)	Temperature (°F) Ambient	Pipe Restrained	Pipe Unrestrained	Volume ☐ Ounces ☐ Gallons Bleed	Volume Inject	Comments	Model Check: Is test good?
1	9:05 A	488	59	60	60			Ramp to Spike	
2	9:06 A	498	59	60	60				☐ Yes ☐ No NA
3	9:07 A	508	59	60	60				☐ Yes ☐ No NA
4	9:14 A	518	59	60	60				☐ Yes ☐ No NA
5	9:17 A	528	59	60	60				☐ Yes ☐ No NA
6	9:18 A	538	59	60	60				☐ Yes ☐ No NA
7	9:19 A	548	59	60	60				☐ Yes ☐ No NA
8	9:21 A	558	59	60	60				☐ Yes ☐ No NA
9	9:23 A	568	59	60	60				☐ Yes ☐ No NA
10	9:25 A	578	59	60	60				☐ Yes ☐ No NA
11	9:27 A	588	59	60	60				☐ Yes ☐ No NA

NOON
1
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11
GRAPHIC CONTROLS CORPORATION
BUFFALO, N.Y. U.S.A.
CHART NO. MP-150
METER
TAKEN OFF
6-9-11
CHART PUT ON
LOCATION
REMARKS
ABOVE GROUND PIPE TEMPERATURE
PACIFIC GAS & ELECTRIC COMPANY
AKRI TEST
NO 19-101
ON TEST HEAD
T36A
L 132
SAN FRANCISCO
SOUTH
START TEST
END TEST
BLEED VENTS
Witnessed By
AKRI HYDROTESTING
Signature
Date
Redacted
Redacted
Redacted

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)

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
L-132	1	Peninsula	41474078-T36A2	5/17/11

Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts

T-36 South-Hydrostatically test tie-in piping, hydrostatic test piping and existing 30" and 36" L-132. Existing material listed; ie. pipe, elbows, sleeves, are from the "Material of Record". (refer to DWG 41474078,Sht .9).

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	300 PSIG	300 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max. Elevation	366 Ft.	For Water	0.433 X Elev. Diff. =	141 PSIG
	Min. Elevation	41 Ft.	Other (Specify)	X Elev. Diff. =	PSIG
	Elev. Diff.	325 Ft.			

Pipe Specification: Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS: At MAOP	At Min. Test Press.	At Max. Test Press.	Pressure to Give 90% SMYS
30	.532	Sleeve, 50,000 SMYS (Item 17)	3 Ea.		16.92	28.76	41.73	1596
36	.511	Sleeve, 50,000 SMYS (Item 19)	1 Ea.		21.14	35.93	52.13	1277
30	.312	Sleeve,50,000 SMYS (Item 21)	2 Ea.		28.85	49.04	71.15	936

Minimum Test Pressure @ Max. Elevation	510 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation	740 PSIG			

Prepared By:	Date:	For Information or Changes, Call:	Approved By:	Date:
Redacted	06/03/11	Redacted	Redacted	6/9/11

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 Test Pressure Reached		Elevation at Test Point	FT	Min. Required Test Press. At Test Point (1)	PSIG	Max. Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended		Max. Elevation in Test Section	FT	Min. Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test		Min. Elevation in Test Section	FT	Min. Test Pressure at Max. Elevation (3)	PSIG	Max. Test Pressure at Min. Elevation (6)	PSIG

Test Fluid Used	Pipe Specification and Footage Verified (See Part I)

Make, 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

Test Supervised By:	Date:	Approved By:	Date:

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:

(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.
(2) Use lowest pressure on test gauge at any time during test.
(3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.
(4) Subtract static head due to elevation difference (between test point and minimum elevation) from "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 indicated test pressure.
(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.

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REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

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)

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
L-132	1	Peninsula	41474078-T36A2	5/17/11

Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts

T-36 South-Hydrostatically test tie-in piping, hydrostatic test piping and existing 30" and 36" L-132. Existing material listed; ie. pipe, elbows, sleeves, are from the "Material of Record". (refer to DWG 41474078,Sht .9).

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	300 PSIG	300 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)				Static Head Calculation			
	Max. Elevation	366	Ft.	For Water	0.433 X Elev. Diff. =	141	PSIG
	Min. Elevation	41	Ft.	Other (Specify)			
	Elev. Diff.	325	Ft.		X Elev. Diff. =		PSIG

Pipe Specification: Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS: At MAOP	At Min. Test Press.	At Max. Test Press.	Pressure to Give 90% SMYS
30.00	.3125	API 5L, X-52, DSAW (Item 6)	641'		27.69	47.08	68.31	975
4.500	.237	API 5L, Gr B, SMLS (Item #8)	2'		8.12	13.80	20.03	3325
36.00	.375	Elbow,Y-42 (Item#10)	1 Ea.		34.29	58.29	84.57	787
36.00	.375	Elbow, Y-52 (item #11)	23 Ea.		27.69	47.08	68.31	975
30.00	.375	Elbow, Y-33 (item #12)	14 Ea.		36.36	61.82	89.70	742
30.00	.375	Elbow,Y-52 (Item #13)	8 Ea.		23.08	39.23	56.92	1170
30.00	.3125	Elbow,Y-52 (Item #15)	4 Ea.		27.69	47.08	68.31	975

		Test Fluid To Be Used	MINIMUM TEST DURATION	
Minimum Test Pressure @ Max. Elevation	510 PSIG	WATER	- UNDER 30% SMYS (1 HR. MINIMUM)	8 HOURS
Maximum Test Pressure @ Min. Elevation	740 PSIG		- 30% SMYS & OVER (8 HRS. MINIMUM)	
			- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Prepared By:	Date:	For Information or Changes, Call:	Approved:	Date:
Redacted	6/03/11	Redacted	Redacted	6/4/11

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 Test Pressure Reached		Elevation at Test Point	FT	Min. Required Test Press. At Test Point (1)	PSIG	Max. Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended		Max. Elevation in Test Section	FT	Min. Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test		Min. Elevation in Test Section	FT	Min. Test Pressure at Max. Elevation (3)	PSIG	Max. Test Pressure at Min. Elevation (6)	PSIG

Test Fluid Used	Pipe Specification and Footage Verified (See Part I)

Make, 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

Test Supervised By:	Date:	Approved By:	Date:

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:

(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.
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(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.

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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)

Sheet 1 of 3

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
L-132	1	Peninsula	41474078-T36A2	5/17/11

Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts

T-36 South-Hydrostatically test tie-in piping, hydrostatic test piping and existing 30" and 36" L-132. Existing material listed; ie. pipe, elbows, sleeves, are from the "Material of Record". (refer to DWG 41474078,Sht .9).

Hydro test I-132 from MP 40.08 to MP 42.34, San Bruno, Ca (Test-Section 36 South-Location A to B)

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	300 PSIG	300 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation	366 Ft.	Static Head Calculation For Water	0.433 X Elev. Diff. =	141 PSIG
	Min. Elevation	41 Ft.			
	Elev. Diff.	325 Ft.	Other (Specify)	X Elev. Diff. =	PSIG

Pipe Specification: Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS: At MAOP	At Min. Test Press.	At Max. Test Press.	Pressure to Give 90% SMYS
36.00	0.500	API 5L, X-65, DSAW (Item#27)	23'		16.62	28.25	40.98	1625
30.00	0.375	API 5L, X-65, DSAW (Item#28)	38'		18.46	31.38	45.54	1462
30.00	0.375	API 5L, X-42, DSAW (item #1)	8'		28.57	48.57	70.48	945
36.00	0.360	API 5L, X-60, DSAW (item # 2)	2574.5'		25.00	42.50	61.67	1080
36.00	0.360	API 5L, X-52, DSAW (item #3)	857'		28.85	49.04	71.15	936
36.00	0.406	API 5L, X-52, DSAW (Item#4)	148'		25.58	43.48	63.09	1055
30.00	0.375	API 5L, X-52 DSAW (Item#5)	8317'		23.08	39.23	56.92	1170

Minimum Test Pressure @ Max. Elevation	510 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation	740 PSIG			

Prepared By:	Date:	For Information or Changes, Call:	Appr	Date:
Redacted	06/03/11	Redacted	Redacted	6/4/11

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 Test Pressure Reached		Elevation at Test Point	FT	Min. Required Test Press. At Test Point (1)	PSIG	Max. Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended		Max. Elevation in Test Section	FT	Min. Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test		Min. Elevation in Test Section	FT	Min. Test Pressure at Max. Elevation (3)	PSIG	Max. Test Pressure at Min. Elevation (6)	PSIG

Test Fluid Used	Pipe Specification and Footage Verified (See Part I)

Make, 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

Test Supervised By:	Date:	Approved By:	Date:

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:

(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.
(2) Use lowest pressure on test gauge at any time during test.
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(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.

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Pacific Gas and Electric Company

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(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 1 of 1

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
L-132	1	Peninsula	41474078-T36A1	5/17/11

Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts

Hydrotest L-132, MP 40.08 – 42.34, 4" Cut Caps & tie-in piece for Ponderosa Reg Station Tap

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	300 PSIG	300 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)				Static Head Calculation		
	Max. Elevation	N/A	Ft.	For Water	0.433 X Elev. Diff. =	PSIG
	Min. Elevation	N/A	Ft.	Other (Specify)	X Elev. Diff. =	PSIG
	Elev. Diff.	N/A	Ft.			

Pipe Specification				Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested		At MAOP	At Min. Test Press.	At Max. Test Press.	
4.50	.237	API 5L, Gr B SMLS (Item #30)	8'		8.14	13.83	20.07	3318
4.50	.237	Cap, Gr B (Item #34)	2 Ea.		8.14	13.83	20.07	3318

		Test Fluid To Be Used	MINIMUM TEST DURATION	
Minimum Test Pressure @ Max. Elevation	510 PSIG	WATER	- UNDER 30% SMYS (1 HR. MINIMUM)	1 HOURS
Maximum Test Pressure @ Min. Elevation	740 PSIG		- 30% SMYS & OVER (8 HRS. MINIMUM)	
			- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Prepared By:	Date:	For Information or Changes, Call:		Date:
Redacted	6/03/11	Redacted	Redacted	6-3-11

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 Test Pressure Reached		Elevation at Test Point	FT	Min. Required Test Press. At Test Point (1)	PSIG	Max. Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended		Max. Elevation in Test Section	FT	Min. Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test		Min. Elevation in Test Section	FT	Min. Test Pressure at Max. Elevation (3)	PSIG	Max. Test Pressure at Min. Elevation (6)	PSIG

Test Fluid Used	Pipe Specification and Footage Verified (See Part I)

Make, 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

Test Supervised By:	Date:	Approved By:	Date:

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:

(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.
(2) Use lowest pressure on test gauge at any time during test.
(3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.
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(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.

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RECORDS SECTION (WC), GMS&TS

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

Witnessed By
AKRI HYDR[illegible]ESTING
Signature [Redacted]
Date 11-5-11

NOON
MIDNIGHT

GRAPHIC CONTROLS CORPORATION
BURTE, N.Y. BUFFALO, N.Y.
CHART NO. MC MP-150
PACIFIC GAS & ELECTRIC COMPANY
METER AKRI TEST
No. 13-101
LOCATION NEAR OAK WASH
REMARKS L-132 T32A
SANTA SAN FRANCISCO CA
CHART PUT ON 6-9-11
TAKEN OFF

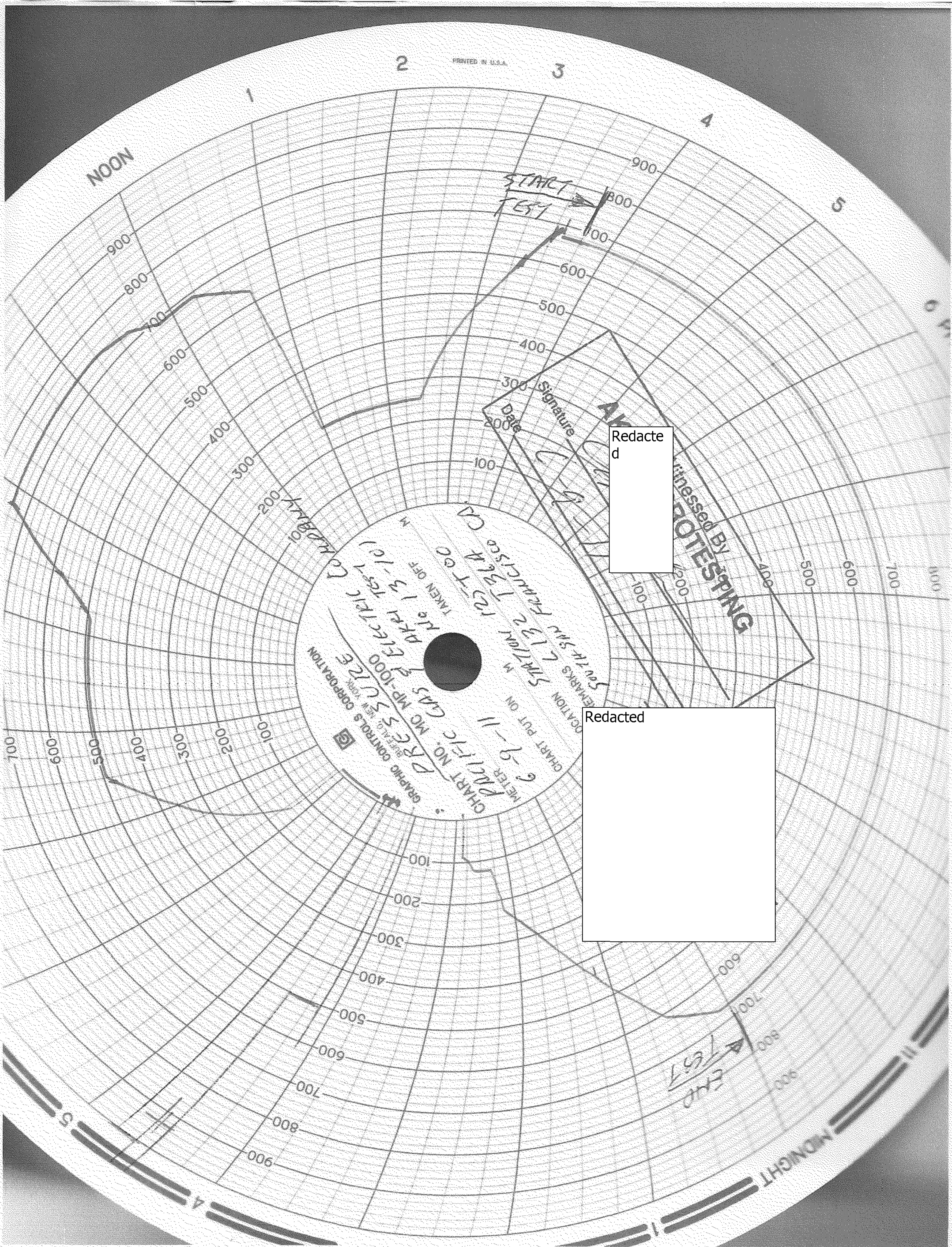
SIZER TEST

END TEST

[Redacted]

[Redacted]

VERITAS



SB_GT&S_0491776

RCP

Hydrostatic Test Log

Log No.	Time	Test Pressure (psig)	Temperature (°F)			Volume ☐ Ounces ☐ Gallons		Comments	Model Check: Is test good?
			Ambient	Pipe					
				Restrained	Unrestrained	Bleed	Inject		
12	6:45 P	671	58	60	65				☑ Yes ☑ No
13	7:00 P	671	58	60	65				☑ Yes ☒ No
14	7:15 P	671	57	60	64				☑ Yes ☑ No
15	7:30 P	671	57	60	64				☑ Yes ☑ No
16	7:45 P	671	57	60	64				☑ Yes ☑ No
17	8:00 P	671	57	59~~63~~	63				☑ Yes ☑ No
18	8:15 P	671	56	59	63				☑ Yes ☑ No
19	8:30 P	671	56	59	63				☑ Yes ☑ No
20	8:45 P	671	56	59	63				☑ Yes ☑ No
21	9:00 PM	671	56	59	63				☑ Yes ☑ No
22	9:15 P	672	56	59	62				☑ Yes ☐ No
23	9:30 P	672	56	59	62				☑ Yes ☐ No
24	9:45 P	672	56	59	62				☑ Yes ☐ No
25	10:00 PM	672	56	59	62				☑ Yes ☐ No
26	10:15 P	673	56	59	62				☑ Yes ☐ No
27	10:30 P	673	56	59	62				☑ Yes ☐ No
28	10:45 PM	673	56	59	62				☑ Yes ☐ No
29	11:00 PM	673	56	59	62				☑ Yes ☐ No
30	11:15 PM	673	56	59	62				☑ Yes ☐ No
31	11:30 PM	673	56	58	62				☐ Yes ☐ No
32	11:45 PM	673	56	58	62				☐ Yes ☐ No
33	12:00 PM	673	56	58	62				☐ Yes ☐ No
34									☐ Yes ☐ No
35									☐ Yes ☐ No
36									☐ Yes ☐ No
37									☐ Yes ☐ No
38									☐ Yes ☐ No
39									☐ Yes ☐ No
40									☐ Yes ☐ No
41									☐ Yes ☐ No
42									☐ Yes ☐ No
43									☐ Yes ☐ No
44									☐ Yes ☐ No
45									☐ Yes ☐ No
46									☐ Yes ☐ No
47									☐ Yes ☐ No
48									☐ Yes ☐ No

Was a leak observed during test Period? ☐ Yes ☑ No

If "Yes", Explain:

High Test Pressure: 673

Low Test Pressure: 671

Certification:

Test Supervisor: Redacted — Signature

Company Representative: Redacted

Date: 6/9/11

RCP

Hydrostatic Test Log

Log No.	Time	Test Pressure (psig)	Temperature (°F) Ambient	Pipe Restrained	Pipe Unrestrained	Volume (☑ Ounces ☐ Gallons) Bleed	Inject	Comments	Model Check: Is test good?
12	9:29 A	598	59	60	60				☐ Yes ☐ No NA
13	9:31 A	608	59	60	60				☐ Yes ☐ No NA
14	9:33 A	618	59	60	60				☐ Yes ☐ No NA
15	9:35 A	628	59	60	60				☐ Yes ☐ No NA
16	9:37 A	638	59	60	60				☐ Yes ☐ No NA
17	9:39 A	648	59	60	60				☐ Yes ☐ No NA
18	9:41 A	658	59	60	60				☐ Yes ☐ No NA
19	9:43 A	668	59	60	60				☐ Yes ☐ No NA
20	9:45 A	678	59	60	60				☐ Yes ☐ No NA
21	9:48 A	688	59	60	60				☐ Yes ☐ No NA
22	9:51 A	698	59	60	60				☐ Yes ☐ No NA
23	9:55 A	708	59	60	60				☐ Yes ☐ No NA
24	9:59 A	718	59	60	60				☐ Yes ☐ No NA
25	10:00 A	727	67	61	60				☐ Yes ☐ No NA
26	10:10 A	727	68	61	60				☐ Yes ☐ No NA
27	10:20 A	726	74	60	62				☐ Yes ☐ No NA
28	10:30 A	726	75	60	62			~~Exe~~	☐ Yes ☐ No NA
29	10:40 A	726	76	60	62			End spike	☐ Yes ☐ No NA
30	10:50 A	726	76	60	62				☐ Yes ☐ No
31	11:00 A	726	76	60	62				☐ Yes ☐ No
32	11:14 A	726	76	60	62				☐ Yes ☐ No
33	11:25 A	716	76	60	63	3878			☐ Yes ☐ No
34	11:35 A	706	76	60	63	3878		Reduce pressure to fix leaky valve	☐ Yes ☐ No
35	11:47 A	670	76	60	63	13962		Valve being Repaired	☐ Yes ☐ No
36									☐ Yes ☐ No
37	3:45 PM	672	65	61	68			Back on Test	☑ Yes ☐ No
38	4:00 PM	671	66	61	68				☑ Yes ☐ No
39	4:15 PM	672	65	61	68				☑ Yes ☐ No
40	4:30 P	672	64	61	68				☑ Yes ☐ No
41	4:45 P	671	62	61	68				☑ Yes ☐ No
42	5:00 P	671	60	61	67				☑ Yes ☐ No
43	5:15 P	671	61	61	67				☑ Yes ☐ No
44	5:30 P	671	59	60	66				☑ Yes ☐ No
45	5:45 P	671	60	60	66				☑ Yes ☐ No
46	6:00 P	671	59	60	66				☑ Yes ☐ No
47	6:15 P	671	59	60	65				☑ Yes ☐ No
48	6:30 P	671	63	60	65				☑ Yes ☐ No

Was a leak observed during test Period? ☐ Yes ☑ No

If "Yes", Explain:

High Test Pressure:

Low Test Pressure:

Certification:

Date: 6/09/2011

Test Supervisor: Redacted AKRI

Signature

Company Representative: Redacted RCP Inc.

Signature Redacted

PB 4E