



PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-300A	Area Central	Division/District Fresno	Job Number 41497306-T63	Date Job Authorized 6-14-11
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
Test 1 - 34" L-300A tie-in and hydrostatic test piping - Existing 34" pipe from the "Material of Record" (refer to DWG 41497306-T63, sheet 5)

Hydrotest L-300A from MP 353.56 - 353.85 Kettleman, CA (Test section 63)

Location Class 1	Design Factor (F) .72	MAOP to be Established for this Piping by this Test 688 PSIG	Future Design Pressure 688 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 544 Ft.	Static Head Calculation	
	Min. Elevation 520 Ft.	For Water	10.40 PSIG
	Elev. Diff. 24 Ft.	Other (Specify)	0.433 X Elev. Diff. =

Pipe Specification		Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.	
O.D.	W.T.						
34.00	.505	54'	74.7' A	38.60	48.25	53.30	1604
34.00	.500	12'	0 M.O.R. (B)	50.85	63.57	70.22	1218
34.00	.4375	285'	287' A	55.70	69.62	76.90	1112
34.00	.375	14'	13.7' A	51.98	64.98	71.78	1192
34.00	.375	7'	7' A	59.98	74.97	82.82	1032
34.00	.344	679'	649' A	65.38	81.73	90.28	947
34.00	.3125	957'	953' A	71.98	89.97	99.38	861

Minimum Test Pressure @ Max. Elevation	860 PSIG	Test Fluid To Be Used	WATER	MINIMUM TEST DURATION	8 HOURS
Maximum Test Pressure @ Min. Elevation	950 PSIG			- UNDER 30% SMYS (1 HR. MINIMUM)	
				- 30% SMYS & OVER (8 HRS. MINIMUM)	
				- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Prepared By: *Richard Avery* Date: *06/14/11 7/14/11* For Information or Changes, Call: *Mark Cabral (925) 588-3640* Approved By: *Mark Cabral* Date: *7-14-11*

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	10:25 am, 6-24-11	Elevation at Test Point	522 FT	Min. Required Test Press. At Test Point (1)	869 PSIG	Max. Allowable Test Press at Test Point (4)	949 PSIG
Time and Date Test Ended	7:00 pm, 6-24-11	Max. Elevation in Test Section	544 FT	Min. Indicated Test Pressure (2)	885 PSIG	Max. Indicated Test Pressure (5)	949 PSIG
Actual Duration of Test	8 hours, 35 min	Min. Elevation in Test Section	520 FT	Min. Test Pressure at Max. Elevation (3)	875.5 PSIG	Max. Test Pressure at Min. Elevation (6)	950 PSIG

Test Fluid Used: **Water** Pipe Specification and Footage Verified (See Part I): **TM** *A-ATRESPANDO*

Make, Range, and Serial No. of Pressure Recording Gauge: **Barton 0-3000 624086** Date Last Calibrated: **6-17-11** Make, Range, and Serial No. of Dead Weight Tester (See Note 7): **Chandler 50-3000 7850** Date Last Calibrated: **6-17-11**

Test Supervised By: *[Signature]* Date: *7-13-11* Approved By: *[Signature]* Date: *7-13-11*

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
(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.	JOB FILE (AT SPONSORING ORGANIZATION)
(2) Use lowest pressure on test gauge at any time during test.	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
(4) 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
(5) Highest pressure on test gauge at any time during test.	CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)
(6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.	RECORDS SECTION (WC), GSM&TS
(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.	REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

- 1- ORIGINAL DOCUMENT SIGNED 6-30-11
- 2- original document signed 6-24-11
- 3- ORIGINAL DOCUMENT SIGNED 6-14-11
- 4- original document signed 6-14-11 @



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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
Test 2 - Cut - caps to facilitate hydrotest (See Dwg 41497306-T63, SHT4 of 5)

Hydrotest L-300A from MP 353.56 - 353.85 Kettleman, CA (Test section 63)

Location Class 1	Design Factor (F) .72	MAOP to be Established for this Piping by this Test 688 PSIG	Future Design Pressure 688 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 544 Ft.	Static Head Calculation For Water 0.433 X Elev. Diff. = 10.40 PSIG Other (Specify) _____ X Elev. Diff. = _____ PSIG
	Min. Elevation 520 Ft.	
	Elev. Diff. 24 Ft.	

Size		Pipe Specification API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
O.D.	W.T.				At MAOP	At Min. Test Press.	At Max. Test Press.	
34.00	.505	API 5L, GR X60, DSAW	4'	0	38.60	48.25	53.50	1604
34.00	.375	API 5L, GR X60, DSAW	4'	0	51.98	64.98	71.78	1192
34.00	.505	CAPS, GR Y60	2 ea	0	38.60	48.25	53.50	1604
34.00	.505	API 5L, GR X65/70, DSAW (FIELD SUBSTITUTE)	0	2.9	35.63	44.54	49.20	1,738

Minimum Test Pressure @ Max. Elevation 860 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 950 PSIG			

Prepared By: **Richard Avery** Date: **06/14/11 7/14/11** For Information or Changes, Call: **Mark Cabral (925) 588-3640** Approved By: **Mark Cabral** Date: **7/14/11**

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Note: Minimum test pressure and duration are not to be changed without written approval.

Time and Date Test Pressure Reached 10:25 am, 6-24-11 949	Elevation at Test Point 522 FT	Min. Required Test Press. At Test Point (1) 869 PSIG	Max. Allowable Test Press at Test Point (4) 949 PSIG
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Actual Duration of Test 8 hours, 35 min	Min. Elevation in Test Section 520 FT	Min. Test Pressure at Max. Elevation (3) 875.5 PSIG	Max. Test Pressure at Min. Elevation (6) 950 PSIG

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

Make, Range, and Serial No. of Pressure Recording Gauge Barton 0-3000 624086	Date Last Calibrated 6-17-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Chandler 50-3000 7850	Date Last Calibrated 6-17-11
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Test Supervised By: _____ Date: **7-13-11** Approved By: _____ Date: **7-13-11**

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