


<u>Step 1</u>	<u>Step 2</u>	<u>Step 3</u>	<u>Step 4</u>	
<u>Enter Test Setup Data</u>	<u>Test Planning Sheet</u>	<u>Enter Test Data</u>	<u>View Results</u>	<u>View Charts</u>

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PIPE IDENTIFICATION

	CALIFORNIA STATE LANDS COMMISSION MARINE FACILITIES DIVISION HYDROSTATIC TEST RESULTS		Project No.	
			Test I.D.No.	
			Test Date	
Pipeline Operator		Company Conducting Test if Other Than Operator		
Terminal Representative	Testing Co. Representative		Witness	
Reason for test:				
<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Annual <input type="checkbox"/> 3 Year <input type="checkbox"/> 5 Year <input type="checkbox"/> Other				
Observed Pipeline Condition (Check All That Apply):				
<input type="checkbox"/> Insulated <input type="checkbox"/> Wrapped <input type="checkbox"/> Painted <input type="checkbox"/> Corrosion <input type="checkbox"/> Other:				
Pipeline Identification (line number, name, etc)				
Pipeline Location (mile post, street, station, etc)				
From:		To:		
Normal Product Transported				
Normal Operating Pressure		Lowest Flange Rating		
_____ psig		Class _____ psig		
Other Pressure-Limiting Component				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

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TEST SETUP INFORMATION						
Location of Pressure Recording Equipment					Elevation	
Temperature Instrument ID #	Make and Model Dead Weight	Serial #	Date Last Calibrated	Low Point Elevation		
	Make and Model Pressure Recorder	Serial #	Date Last Calibrated	High Point Elevation		
	Make and Model of Temp Instrument	Serial #	Date Last Calibrated	Method of Measurement		
1						

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PRE-TEST PLANNING WORK SHEET

TEST PRESSURE

Enter nominal test pressure at test location :		psig	0 psig @ low point
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SMYS TABLE

Segment Number	Pipe Design Pressure @ 72% Yield	% SMYS for Pressure @ Low Point (WITH DERATING FACTOR)

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PRE-TEST PLANNING WORK SHEET

PHYSICAL PROPERTIES

PHYSICAL CONSTANTS	
Water (Fresh)	Chosen Test Media
User-Specified	Temperature Basis for Physical Property Calcs
70.0	Reference Temp, Deg F
1.00	SG, Specific Gravity (at 60° F)
3.13E-06	C, Compressibility of Test Media
1.21E-04	β , Coefficient of Expansion of Test Media
Steel	Pipeline Material
6.10E-06	α , Linear Coefficient of Expansion of Steel Pipe
29,500,000	E, Elastic Modulus, psi
0.292	ν , Poisson's Ratio

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PRE-TEST PLANNING WORK SHEET

PRESSURE/VOLUME VARIABLES

NOTE:

System under test will require approximately 0 gallon to compress from 0 psig to 0 psi under ideal (fully packed) conditions.

CALCULATION OF PRE-TEST PLANNING VARIABLES

V_0 ; Total Volume $V_0 = 0$ gallons

dV/dP ; Change in volume with respect to pressure

Segment	dV/dP		dP/dV	
Total	0.0000	gal/psi	00.00	psi/gal

Acceptable range of pre-test dV/dP (50-40 psig bleed): **0.00 gal/psi** to **0.00 gal/psi**

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PRE-TEST PLANNING WORK SHEET

TEMPERATURE/VOLUME VARIABLES

CALCULATION OF PRE-TEST PLANNING VARIABLES				
Vo; Total Volume		Vo=	0	gallons
dV/dT; Change in volume with respect to temperature				
dP/dT; Change in pressure with respect to temperature				
Segment	dV/dT		dP/dT	
Total	0.000	gal/Deg F	0.00	psi/Deg. F

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Maximum Operating Pressure
0 P.S.I. at Test Location based on 80% of lowest deadweight reading

1. TEMPERATURE EFFECT

Volume accounted for by Temperature Change			0.00E+00
Segment Number	dT	dV/dT	dV
1	0		0.00

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2. PRESSURE EFFECT

	Pre-Test	Post-Test	
Bleed (gal)			
Pressure Before Bleed (psig)			
Pressure After Bleed (psig)			
	Observed	Observed	Theoretical
dV/dP			0.0000
dP/dV			0.00
Method of Calculation		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Pressure Change (dP)	#N/A psi
Volume Accounted for by Pressure Change (dPxdV/dP)	#N/A gal

3. BLEED/INJECTION

Total Volume Injected/Bled	0.00 gal
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4. COMPUTED VOLUME CHANGE

Computed Volume Change during test		
1. -dV _{Temp}	0.00	
2. +dV _{Press}	#N/A	
3. -dV _{Inj}	<u>0.00</u>	
	#N/A	gal
	0	hr
	#N/A	gal/hr
Best Accuracy:	0.000	gal

Note: A positive change in volume reflects an increase in liquid volume, a negative change reflects a loss.

TEST DATA FALLS WITHIN ACCEPTABLE RANGE

Pressure Profile

