

Test Site - Start	
@ M.P. 0+00	
Elev.= 26.0'	

1,112,501 = Gallons of Water @ 0 psig (Line Fill)
 1,119,146 = Total gallons of water required @ 1250 PSIG
 6,645 = Gallons of water required to pump from 0 to 1250 PSIG @ 60 degrees F
 Amount of above ground piping = 125 feet

Test Site - End	
@ M.P. 1798+80	
Elev.= 125.0'	

Pipe Details & Test Specifications	100% SMYS	Design MAOP	110% Min Test PSIG	125% MAOP Max Test PSIG	% SMYS
12.75 x 0.219 x Grade X-65	2,233	1,000	1,100	1,250	55.98%

The hydrostatic test includes filling the test sections with water, performing the strength test, investigating for leaks, making necessary repairs, displacing and disposing of test water, drying the pipeline, performing tie-ins and recording all test data.

Pressures	
1244 psig max.	
1148 psig min.	

12.75-inch O.D. x 0.219-inch W.T.; CS; API 5L; 65 pipe

Pressures	
1201 psig max.	
1105 psig min.	

The pipeline will be hydrostatically tested for a minimum of eight (8) hours at the prescribed test pressure. Four (4) hours will be at the higher test pressure, which is 125% of the MAOP of the pipeline, and the other four (4) hours will be at a test pressure equal to 110% of the MAOP (see chart below). The test pressure will not be allowed to exceed the Maximum Pressure at the lowest elevation point in the test segment for each line size. It is the Contractor's responsibility to check for any significant elevation changes that will affect the number and locations of test segments to insure that the minimum test pressures are met while not exceeding the Maximum Pressure.

Test Section Summary

High Elev. =	136.0'
@ M.P. 1521+72	1100 psi at High Point

Minimum Test Press	1100 psig	% SMYS = 49.26%
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Low Elev. =	13.0'
@ M.P. 55+55	1153 psi at Low Point

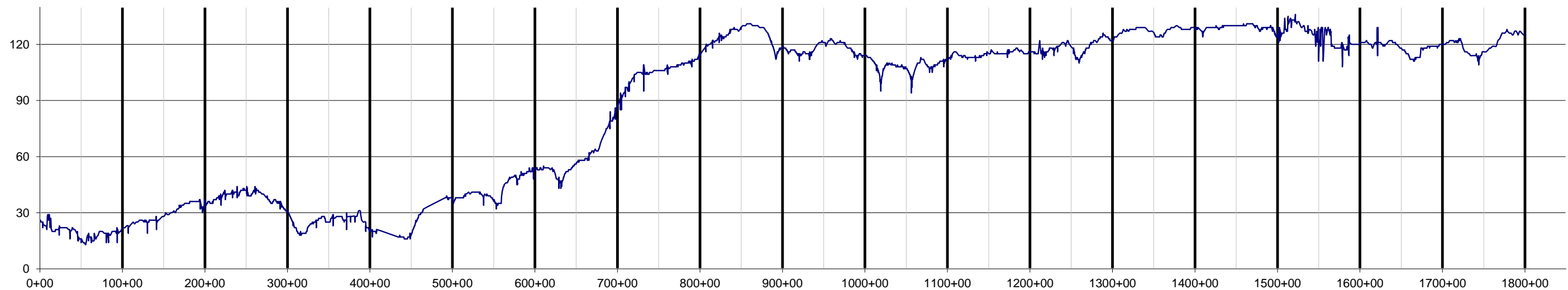
Maximum Test Press	1250 psig	% SMYS = 55.98%
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Total Elev Difference =	123.0'
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Hydraulic Head (psi) =	53.30
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The test pressure will be reached by increasing the line pressure in stages, allowing time for stabilization between pressure increases. For pipe 8" and larger, once the pressure has reached 80% of SMYS at the lowest elevation point in the test segment, the pressure shall be increased at no more than 10 psig per minute at a uniform rate. The test shall not begin until the temperatures recorded at each end of the test segment indicate stabilization from fill water temperatures. Once test pressure is achieved and the test period has started, if additional pumping is required to stay above the minimum test pressure, the test period must restart.

Profile for Test Section 1 of the Reveille Crude Connector Project



NOTE: Prior to testing, Contractor shall field verify low point, high point, and test site elevations for the test section. If required, test pressures shall be adjusted to limit the maximum low point test pressure as specified above.

Revision	Date
0	27-Aug-18

Reveille Crude Connector Project



HYDROSTATIC TEST SECTION - Test Section 1
 MP 0 to MP 179880

Drawing No. NA	Rev. 0	Sht. 1 of 1
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