PRIMARY: 192.517
PURPOSE: Review existing GM and revise as appropriate in light of Amendment 192-125.
ORIGIN/RATIONALE: PHMSA Amendment 192-125
RESPONSIBLE GROUP: Design Task Group

Section 192.517

(a) In addition to the requirements of §192.517(a), records of a pressure test should include the following.
   (1) Start and completion times of the test.
   (2) Name of the person responsible for performing the test and the person who approved the test, if different.
   (3) A detailed description of the segment of pipeline and associated components that were tested, which should include:
       (i) – (iv) ...

(b) Records of a successful hydrostatic pressure test might include the following in addition to that listed under (a) above.
   (1) Minimum and maximum elevation values, including the calculated test pressure, measured test pressure, or both at the control point as well as the highest and lowest points.
   (2) Temperatures recorded throughout the duration of the test.
       (i) - (iii) ...
   (3) Liquid volume injected, withdrawn, or both, during the test.
   (4) Pressure versus volume plot.
       Note: To confirm that the test did not reveal any leaks or yield the pipe, taking into consideration the thermal effects on unrestrained piping throughout the duration of the test.

(c) For pre-November 12, 1970 pipelines, operators might not have pressure test records that meet all of the current requirements under §192.517(a). In the event a pressure test was conducted prior to that date, an operator may consider several different types of records that verify a pressure test was conducted. Preferably, those records would include a date and signature of the individual who witnessed the test. Any one or combination of the following records may be considered.
   (1) – (6) ...

(d) In addition to the requirements of §192.517(a), records of a spike hydrostatic test conducted under §192.506(a) should include the following.
   (1) Start and end times of the spike portion of the pressure test.
   (2) The spike pressure throughout the duration of this portion of the pressure test.
   (3) Whether the spike pressure was equal to or greater than 100% SMYS or 1.5 times the MAOP.
   (4) Pressure versus volume plot, if performed, to confirm that the test did not reveal any leaks or yield the pipe.

(e) For tests conducted under §§192.509, 192.511, or 192.513, records are required to show that the tests have been conducted. The date, location of the test, and the test pressure applied may be sufficient documentation. Additional information may be included at the discretion of the operator.

(f) For segments of steel service line stressed to 20% or more of SMYS (§192.511(c)), records are required to document testing in accordance with §192.507.

(g) For a non-welded joint used to tie in a pipeline, the operator should have a record demonstrating that a
leak test was performed at not less than the operating pressure (see §192.503(d)).