API 1104
Mechanized Welding Subcommittee - Report

Wednesday (1/22/14) 1:00PM to 5:00 PM

Subcommittee Chair: Robert Gatlin

Task Group Attendees
- We had 18 people in attendance
- 3 voting members
- 15 visitors

Old Business:
Review ballot comments from Ed’s spreadsheet (none)

New Business:
Brian Laing tabled Laser Beam Welding as a discussion point. The group discussed past information reported to the subcommittee and the current efforts with the process. Requirements for LBW to be considered by the API 1104 committee were also reviewed.

Joel Troyer brought forward a discussion point regarding the current methods for calculating, measuring and monitoring heat input in pulsed Gas Metal Arc Welding.

Action Items
(1) Scott Funderburk will lead a task group which will draft a proposal outlining the steps requirement for the LBW process to be accepted into the standard by the main committee. These include:
   a. A description of the welding process.
   b. A proposal on the essential variables.
   c. A welding procedure specification.
   d. Weld inspection methods.
   e. Types of weld imperfections and their proposed acceptance limits.
   f. Repair procedures

The subcommittee will meet at or before June 2014 to review and discuss the details.

(2) Joel Troyer will lead a task group to review better potential methods/practices to measure heat inputs of pulsed GMAW.