API Spec 16B Manufacturing Work Group

2016 API E&P Summer Conference Update
API WIWC TG-5

API Spec 16B Manufacturing
Work Group

Chairman – Alex Sas-Jaworsky P.E
Vice Chairman – Steve Deshotels
Secretary – Jessica Lin
API Spec 16B Tentative Title
“Manufacture of Coiled Tubing, Snubbing and Wireline Well Control Stack Equipment”
Well Control Equipment to be Included in New Specification

- Coiled Tubing
- Snubbing
- Wireline (Slickline and E-Line)
API Spec 16B to Incorporate API Spec 16A and API Spec 6A Manufacturing Standards Where Applicable
Status of Spec 16B Meetings

- Several WebEx meetings held by CT WG and Wireline WG in 2016 to Review the Design Requirements, Service Conditions and Range of Applicable Equipment Sizes.
Status of Spec 16B Meetings

- Current Focus on API Spec 16A Section 4.3 - Equipment Specific Design Requirements for Both Coiled Tubing and Wireline Equipment
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Status of Spec 16B Meetings

• Wireline and Coiled Tubing Groups Working to Define Actuator “Class”:
  • Class 1 – Slickline (Single Wire Strand)
  • Class 2 – Wireline (Braided Cable/Electric Line)
  • Class 3 – Coiled Tubing (Spoolable Tubing)
  • Class 4 – Snubbing (Jointed Tubing)
Current Activities

- Continuing to Define Service “Class” Criteria for Manufacturing and Performance Expectations
Current Activities

- Condensed List of Bore Sizes and Pressure Ratings for CT and Wireline Equipment Addressed
Challenges

- 7-1/16” Bore Size in 16B Equipment will need Service Class Designation on Monogram to Distinguish from Spec 16A Equipment (CT, Wireline, Snubbing).
Challenges

- Bore Sizes Greater Than 7-1/16” in 16B Equipment will need Unique Designation and Monogram for Service Class to be Distinguished from Spec 16A Equipment.
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2016 Summer 16B Priority

• Complete Section 4 Design Requirements to Address Specific Actuator Service with Defined “Class” Criteria

• Define Combined Axial/Compressive Loads Applied to Spools and Ram Body During CT & Snubbing Services
2016 Summer 16B Priority

- Work with RP 16ST Group to Define Performance Expectations and Testing for CT Well Control Stack Equipment