ISCWSA - Operators Wellbore Survey Group (OWSG) Meeting Held at Chevron – Houston, TX 27 June 2013 – 12:00 to 17:00

Agenda:

- Welcome and Agenda Pete Clark
- Site Safety Orientation Pete
- Anti-Trust Statement
- OWSG Mission Statement
- Collision avoidance Visualization (Carol)
- OWSG Standard Tool Error model Update (Pete/Son/Dave/Gustavo)
- Directional Software Applications Testing and Acceptance (Pete)
- OWSG Survey Good Practice Recommendations (Neil)
- Raw Sensor Data / Survey Data format update (Mark Pete)
- Separation Factor Methodology and Good Practice (Neil / Son)
- Future of Gyro Surveys (Mark / Pete)
- Next meeting agenda, Date, & Location
- Other business as needed
- After meeting social hour Location TBD

Attendance & Contacts – see attached spreadsheet

Meeting Notes:

Welcome and Agenda:

Site Safety Orientation:

Anti-Trust Statement:

- We are meeting to help develop and promote good practices in wellbore surveying necessary to support oil and gas operations which enhance safety and competition.
- The meeting will be conducted in compliance with all laws including the antitrust laws, both state and federal. We will not discuss prices paid to suppliers or charged to customers nor will we endorse or disparage vendors or goods or services, divide markets, or discuss with whom we will or will not do business, nor other specific commercial terms, because these are matters for each company or individual to independently evaluate and determine

OWSG Mission Statement:

- To promote practices that provide confidence that reported wellbore positions are within their stated uncertainty.

Collision avoidance visualization (Carol):

OWSG Standard Tool Error Model Update (Pete/Son/Dave/Gustavo):

Directional Software Applications – Testing and Acceptance (Pete):

OWSG Survey Good Practice Recommendations (Neil)

Raw Sensor Data / Survey Data format update (Mark Pete)

Separation Factor Methodology and Good Practice (Neil / Son)

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