

Agenda

- 08:00 08:25 Safety briefing/moment Introduction of committee and program K
 Folse
- 08:25 08:45 Keynote address Peter Brett, Shell Exploration & Production

08:45 – 09:45 Update on the current RP-67 revision Panel: J Barker (lead), D Ayre, B
 Ference

- Detonators & Delays, Firing Panels
- Interrupts
- Tractors
- Temperature Management
- Firing Heads on Bottom of Guns
- 09:45 10:00 Break
- 10:00 11:00

Update on the current RP-67 revision - Continued

- Coil Tubing Jobs
- Security / Regulatory
- Pipe Recovery
- Surface Pressure Control Equipment
- Special Categories of Explosive Devices
- Personnel Training and RP-67 Compliance Audits

Agenda

- 12:15 13:45 Oilfield Explosives Process Safety alignment Review current practices.
 - Panel: B Ference (lead), P Kapur, H Ibrahim
- 13:45 14:00 Break
- 14:00 15:30
 Review of recent explosive / security incidents and near-misses
 Panel: K Folse (lead), J Brooks, D Ayre
- 15:30 16:30 Discussion of having a centrally located, easily available and maintained database of oilfield explosive safety/security incidents and near misses.
 - Panel: JW Segura (lead), K Folse, M Bell, F Preiss
- 16:30 16:45 Forum close-out K Folse & Committee

Perforating Safety Forum Committee

- Kent Folse Shell
- David Ayre BP
- Bob Ference SLB
- James Barker Halliburton
- Jim Gilliat Baker Hughes
- Stephen Zuklic

- **Baker Hughes**
- John "JW" Segura Weatherford
- Parul Kapur Shell
- Mark Brinsden Shell

In Memoriam

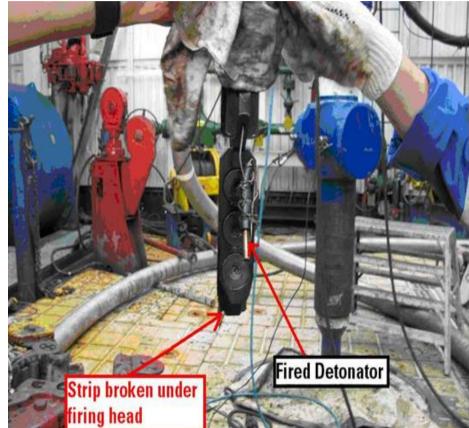


Steve Barnes

Roy Vann

Safety Moment – Near Miss

- DST Kazakhstan w/ TCP
- Through Tubing Perf w/ Capsule Charges
- 3.5 m gun difficulty RIH, 45 min's working line to drift STT
- Log on Depth, Fire Gun good indication on detonator
- POOH Strip Broken/Det fired
- No Change Flow Rates, Re-Perf
- Fire 3.5 m Gun, No Indication
- POOH Strip Broken, Det LIH
- RIH 5 m Gun Perforate
 Finish DST and R/D

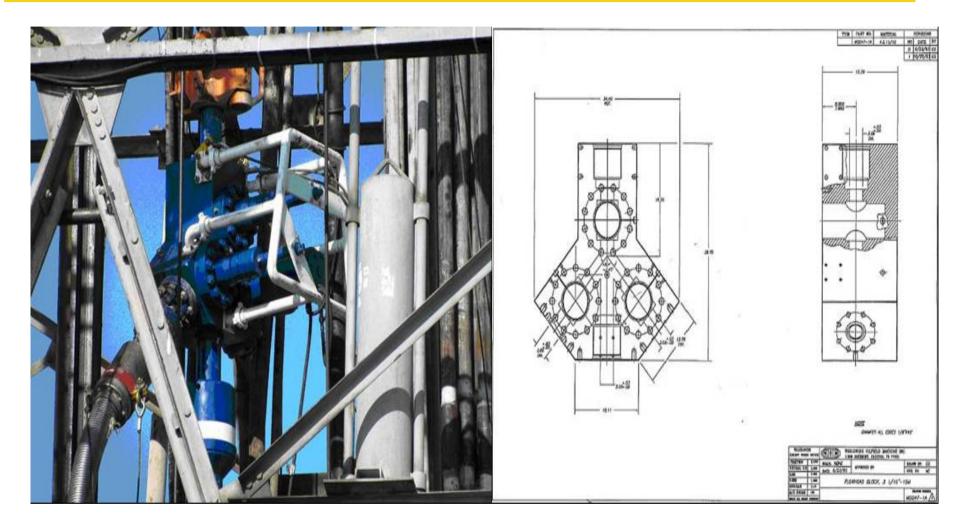


Safety Moment – What Happened?



Co-Flex was Lifted Up to Locate 2nd Gun on Rig, Not Found!

Safety Moment – What Happened?



2nd Gun LIH – Subsequently Found at Service Contractor Base Gun Transported from Rig to Shore Base, Trucked to Contractor Base with Detonator Attached to Gun

Safety Moment – We Got Lucky?

- 3 sources of energy that can ignite a detonator:
 - electrical (stray voltages), Radio
 Frequency (RF sources) and
 mechanical (shock)
- Potential for Initiation
 Evaluated
 - -Mechanical/Shock
- Test Tree Design and Strip Gun Conveyance?
- Close Wing/Kill Line Valves if Shut-In Condition
- Report Near Misses an Communicate Learning's

