



LEARNING FROM INCIDENTS NEWSFLASH

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| BSP – Well Engineering & Well Services

| Oct 2013

LOPC – Synthetic based drilling mud (SBM) spill over flow line – SKD Pelaut

Target audience for this newsflash

- TSW Community
- TSW Menang Partners / Service Providers

What happened

On 6th October 2013 at 22:20, while drilling 8 1/2" x 8 3/4" hole section to 4744m, PVT on active mud tank indicated losses (approx) 20m³. A LOPC in the flow line occurred, caused by bits of plastic from casing protectors blocking the inline strainer. SBM overflowed from the flow line onto the flow line deck (bundled area), platform main deck (non bundled area) and also on starboard side walk below the flow line. Collected approx 17m³ mud using wildon pump and spill kit and soak pads.

Why it happened

- Strainer blocked from disintegrating casing protectors
- Inadequate design of casing protectors
- Losses assumed to be either sub surface or at shakers
- Loss Circulation Decision Tree did not include surface facilities
- No level sensor on flow line to detect overflow
- No slops tank to add extra barrier to prevent spill

Suggestions

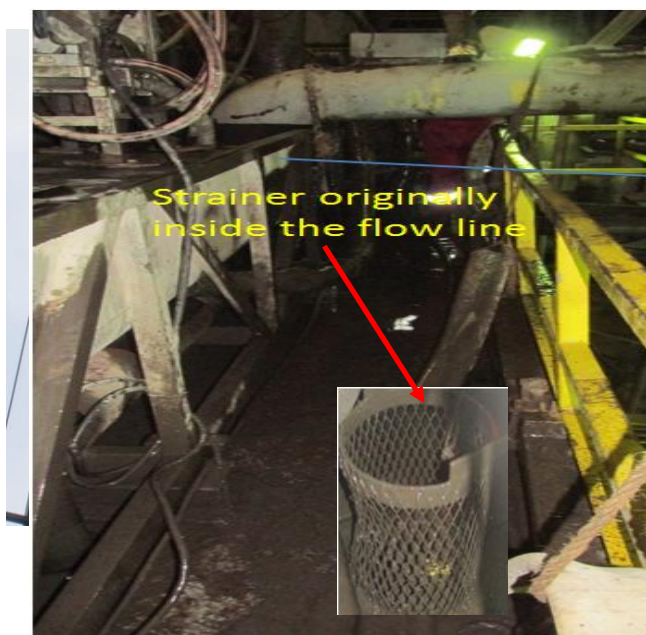
- Is bunding around surface facilities on your rig adequate for pump rates?
- Confirm that all Rig Loss Circulation Decision Trees include surface facilities?
- Implement regular monitoring (active and passive) on flow lines
- What spill response / recover equipment do you have and have you tested it?

Further information

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Casing Protector



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