

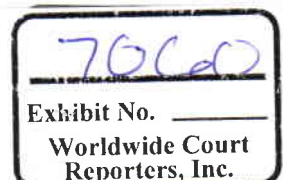
From: Morel, Brian P
Sent: Thu Mar 19 19:22:51 2009
To: Guide, John
Subject: FW: Cost Saving Ideas
Importance: Normal

Correction

- Displace wellbore to seawater after setting mechanical packer

From: Morel, Brian P
Sent: Thursday, March 05, 2009 4:28 PM
To: Guide, John
Subject: Cost Saving Ideas

- Project engineer get filenet and monitor invoices for standby, restocking, and other charges which vendors should not be charging us
- Weatherford plug / cement head system and Baker "hi-flow" diverter
- Negotiate with vendors outside BP master contracts to remove standby charges on equipment or only start charges once at the dock. Only use vendors willing to take part in this change (Allamon, Weatherford, Hughes, Smith, Reed, ect...)
- Reduce back-up equipment for only tools which would slow critical path and require tripping to replace or waiting on to move forward (example: if running sonic, but don't have to have it to proceed only send one tool).
- Determine what subs the rig is suppose to supply per the contract and ensure they are being used and we are not renting duplicates
- Use the same bit for 36" / 28" / 22" hole sections. Weight value of sealed bearing bits vs non-sealed and if sealed is required work with vendors to negotiate prices based on the non-sealed price (Hughes worked with me on this one and I am sure others will work on us too)
- Monitor barite usage, and determine if it is being lost for ballasting and fix the problem.
- Only send out primary and backup bits for each section (don't send multiple vendor bits). We get charged for inspections and shipping costs on these extra bits
- Only send out 1 roller cone bit for each section and keep on the rig. We do not pay for them to be out there and only occasionally need them. However if we keep sending them back and forth we pay transport fees and inspection every time they are sent out.
- Find out if Transocean should be paying for HWDP / if so have them get a string on the rig or pay for the rental
- Reduce to (1) full time cement hand at all times from the two we currently have on the rig
- Negotiate better prices on bits for using in multiple hole sections (if the best bit for the job)
- Track Transocean contract for people offshore (outside and inside the contract) more closely to ensure we are paying for what we get and if the contract is not being fulfilled adjust costs accordingly, same holds true for equipment in contract
- Carbonate recovery system, reduce costs of materials and logistics of getting them offshore
- Drill with casing in the right environment
- Try to limit calling out personnel and equipment so far in advance or only send out primary in advance and send out secondary closer to when needed. Try to get equipment off the rig faster to the dock
- If going to send out early, as being done, buck up more equipment offshore on the bucking unit (1500-3000 per buck-up onshore)



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- Limit use of Geo-pilot in vertical holes sections
- Run same size drill string for as much of the well as possible to reduce time required for BOP testing
- Don't bring reamer hands offshore. can provide support from the office (we have run all the reamers except Security so the rig should be familiar with the way they operate)
- Review 28" casing design on every well, subsidence issues can be dealt with through following prescribed steps instead of running an extra sting of pipe (run when shallow hazards require)
- Minimize BHA components in salt and throughout the well

Sorry I didn't send these out earlier.
Brian