



DRILLING & COMPLETIONS SUPPLIER MANAGEMENT SYSTEM

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Mud Logging (By Well)

April 20, 2010 Inputters: Skip Clark Approvers: Joe Cano
Halliburton ID 3623 OCS-G 32306 001 ST00BP00 Adhoc

The data was submitted for the period: April, 2010

General Details

Start date of operations Feb 11 2009
End date of operations Apr 20 2010

HSSE

Number of HSE proactive inputs 92
Total man-hours 3809

Cost

Planned Cost of Services - 300,000.00
Actual Cost of Services 376450.80 USD

Efficiency

Planned operating time 42 Days
Actual operating time 69 Days
Total NPT Incidents attributable to this service 0
Total Direct Non-Productive Time (NPT) 0 Days

Objectives

Mud Logging Objectives

Note: All objectives are mandatory and require a Yes / No response. The response must be based on actual job performance and objective delivery. If an objective was partially delivered, i.e. not 100% compliance, regardless of reason or accountability, the answer must be No.

Objectives	Objectives Met?
Contractor received Statement of Requirements (SoR). Mud logging program included geologic review, sampling intervals and requirements, instrumentation requirements, agreed mud log format and met SoR	Yes
Mud logs reviewed daily with site supervisor when requested	Yes
Mud loggers immediately informed driller, tool pusher and company rep of any alarms	Yes
Mud loggers identified all operational events (pit level gains >2m3, gas level increases, pore pressure fluctuations (gas influx, pack-off, wash-out), drilling breaks) in a timely fashion and prevented associated NPT	Yes
Mud log depths correlate to Statement of Requirements (SoR) definitive depth reference	Yes
All required geologic depths (Formation tops, Core points, and casing points) picked and described correctly	Yes
All wet and dry samples properly collected, tagged, stored and delivered as per Basis of Design (BoD)	Yes
Complete mud log and all electronic data provided to Company in requested format in a timely manner	Yes

Key Objectives Result

JSR Aggregate Quality Index Result

5189

Exhibit No. _____
Worldwide Court
Reporters, Inc.

http://denew.bpsm.com/scorecards/view.cfm?sn=1&Scorecard_Id=3623&mode=completed&CFID=744 8/18/2010

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HAL_0699897

Job Details

Well Info: Operational platform	DW MODU
Well Info: Maximum Well Depth, MD	18360 Feet
Well Info: Maximum BHST	20 - 129° C (68 - 265°F)
Well Info: Maximum BHP	15000 - 19999 psi
Well Info: Maximum well inclination	00 to 29 degrees
Number of service interrupts	0
Data acquisition & transmission time (between suppliers and to town) - planned versus actual (%)	97
Duration of site visits by contractor management (Days)	0
Number of Non-Conformance Reports (NCR) raised at site	0

Mud Logger Equipment

	Equipment functioned as per specification?	Equipment maintained and calibrated as per program?	Was equipment fully operational during all operations as per program?
Alarms	Yes	Yes	Yes
Computer system	Yes	Yes	Yes
Gas chromatograph	Yes	Yes	Yes
Lab equipment and pressurized unit	Yes	Yes	Yes
Sensors - Gas	Yes	Yes	Yes
Sensors - Pit level	Yes	Yes	Yes
Sensors - Flow line	Yes	Yes	Yes
Sensors - WOB, Torque, rpm, depth, etc.	Yes	Yes	Yes

First Approver

Was job performed in accordance with DWOP and approved engineering practices , i.e STP (Site Technical Practice) or ETP (Engineering Technical Practices)?	-
Was the job performed within accordance Control of Work process, i.e no control of work violations occurred?	-
Contractor personnel	-
Contractor site HSSE activity	-
Contractor site communications	-
Equipment & materials performance	-
Contractor field job tickets	-
Calculated first approver score	-

Second Approver

Spread Rate	-
Total daily operating cost for bp (rig and 3rd party day rate, all rental, personnel , consumables required to maintain the daily operation, ex. mud, fuel, boats, helicopters, etc.	-
Do not include major tangible items, well heads, tubulars, etc., and original location construction costs.	-
System automatically calculate Direct NPC (\$) = Spread Rate (\$/day) x NPT (day)	-
Consequential NPC	-
Any extra cost beyond cost due to lost time, ex. extra material, service, investigation, etc.	-
Engineering, design and pre-planning support	-
Logistics & support	-
Operational support	-
Overall well delivery	-
Post job follow-up	-