M/U and RIH BHA # 9

To drill the 295.3 mm section, an approved BHA # 09 was assembled with a PDC 11 5/8 "P 616 bit (6X11, 3X10 nozzles), a RSS (PowerDriveV 800 X6), filter-sub, a float valve, two stabilizers with diameters of 288.9 and 288.9 mm and jar. Then the BHA was RIH without circulation to a depth of 2580m. Further RIH continued with circulation and reaming.

Drilling in the interval 2609-2700 m:

Reaming down was performed with next parameters: flow rate 2100 l / min, 60 RPM pressure 170 atm. The drilling was started from a depth of 2609.0 m with the following parameters: flow rate 2100 l / min, 140 rpm, pressure 200 atm, WOB up to 15 tons, torque up to 30 kN \* m, with a maximum torque setting of 35 kN \* m, the ROP up to 40 m / h. At the depth of 2630m client decided to limit ROP to 30 m/h. Drilling continued with next parameters: : flow rate 2100 l / min, 140 rpm, WOB up to 11 tons, torque up to 28 kN \* m. At a depth of 2700m. drilling was stopped by the client for the planned core sampling.

POOH and L/D BHA:

On 7 September at 23:00, the POOH was started. During the POOH no were observed. During L/D of the BHA, no additional wear of the elements was found.

The circulation time is 15.7 hours.

Bit grading: 0-0-NO-A-X-IN-RR-LOG.