

Summary report

Wellbore: 15/9-F-10

Period: 2009-05-23 00:00 - 2009-05-24 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	48
Days Ahead/Behind (+/-):	10.2
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2009-04-06 06:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2009-06-03

Dist Drilled (m):	42.5
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.55
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	3695.5
Depth mTVD:	2673
Plug Back Depth mMD:	
Depth at formation strength mMD:	3439
Depth At Formation Strength mTVD:	2654
Depth At Last Casing mMD:	3441
Depth At Last Casing mTVD:	2654

Summary of activities (24 Hours)

Drilled 8 1/2" hole from 3675 m to 3695 m MD. Made decision to POOH for changing BHA. Repaired leak on IR. POOH with 8 1/2" drilling BHA from 3695 m MD to surface. Broke and laid out 8 1/2" drilling BHA. Made up new 8 1/2" drilling BHA. RIH with 8 1/2" drilling BHA to 1722 m MD.

Summary of planned activities (24 Hours)

RIH with 8 1/2" drilling BHA from 1722 m to 3695 m MD. Drill 8 1/2" hole from 3695 m to 3850 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	3675	drilling -- drill	ok	Drilled 8 1/2" hole section from 3653 m to 3675 m MD. Drilling parameters : Flow 2400 lpm / SPP ~187 bar / 200 RPM / WOB 6-7 MT / Torque 15-20 kNm / ECD 1,36-1,37 / ROP 2-10 m/hr. Penetration limited by torque and stick/slip. Performed MWD survey on connection.
06:00	11:15	3695	drilling -- drill	ok	Drilled 8 1/2" hole section from 3675 m to 3695 m MD. Drilling parameters : Flow 2400 lpm / SPP ~187 bar / 200 RPM / WOB 4-9 MT / Torque 15-20 kNm / ECD 1,36-1,37 / ROP 2-8 m/hr. Penetration limited by torque and stick/slip.
11:15	11:30	3695	drilling -- drill	ok	Observed 0.5 m² gradual gain in active. Checked pits and shaker and compared to Geoservice sensors. Picked off bottom and flow checked - well static.
11:30	12:15	3695	drilling -- drill	ok	Made decision to POOH for changing BHA. Circulated BHA clear of cuttings at 2400 lpm. Downlinked Powerdrive before POOH according to DDs instructions.
12:15	13:15	3422	drilling -- drill	ok	POOH with 8 1/2" drilling BHA from 3695 m to 3422 m MD on 5 1/2" DP. Pulled wet pipe.
13:15	13:45	3422	drilling -- drill	ok	Pumped 5 m³ slug of 1.65 sg OBM. Chased slug to drillfloor and allowed mud level to settle.
13:45	14:30	3422	interruption -- other	ok	Repaired hydraulic leak on aft IR.
14:30	15:45	2174	drilling -- drill	ok	POOH with 8 1/2" drilling BHA on 5 1/2" DP from 3422 m to 2174 m MD. Tripping speed 1000 m/hr.
15:45	16:00	2174	drilling -- other	ok	Changed from 5 1/2" to 5" handling equipment.
16:00	18:00	178	drilling -- drill	ok	POOH with 8 1/2" drilling BHA on 5" DP from 2174 m to 178 m MD. Tripping speed 1000 m hr.
18:00	19:00	178	drilling -- other	ok	Flowchecked well on triptanks prior to pulling BHA - well static. Removed auto slips and installed masterbushing and bowls in RT.
19:00	20:30	61	drilling -- trip	ok	Held toolbox talk for laying out BHA. Racked back stand of 5" HWDP. Made up stand of 5" HWDP to accelerator and racked back in derrick. Broke 5" HWDP/jar stand and laid out single for inspection. Picked up new 5" HWDP and made up to stand, racked back stand in derrick.
20:30	21:00	61	drilling -- trip	ok	Held toolbox talk for handling RA-source. Cleared drillfloor of non-essential personnel. Broke connection above Echoscope and removed RA source.
21:00	22:30	0	drilling -- trip	ok	Broke and laid out Stethoscope, Sonivision, Telescope and Echoscope. Inspected and gauged stabilizers and bit. Laid out 8 1/2" Powerdrive exceed.
22:30	23:00	0	drilling -- trip	ok	Cleared and tidied drillfloor.
23:00	00:00	8	drilling -- trip	ok	Held toolbox talk for using manual tongs. Picked up back-up 8 1/2" Powerdrive exceed. Installed bit and bit breaker in RT. Made up 8 1/2" bit to Powerdrive exceed using manual tongs. Picked up and made up Telescope/MWD.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	3422		pipe handling equ syst -- drill floor tube hand syst	0	00:00	An oil leakage was observed on the aft IR (iron roughneck) during drilling. The operation was halted and the leakage was repaired by the hydraulic mechanic. Downtime 0,75 hrs.

Bit Record

Run No.	Bit Size	Bit Type	IADC Code	Manufacturer	Hrs Drilled	Start mMD	End mMD	Hole Made (last 24H)	Hours Drilled (last 24H)	Form ROP	Total ROP	Total Hole Made	Total Hrs Drilled
9	8.5 in	RSR716D-C	M422	Reed-Hycalog	75.7	3442	3442			3.3	3.3	253.5	75.7

Drilling Fluid

Sample Time	03:00	09:30	15:00
Sample Point	Active pit	Active pit	Active pit
Sample Depth mMD	3660	3690	3695
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.31	1.3	1.3
Funnel Visc (s)	-999.99	-999.99	-999.99
Mf ()			
Pm ()			
Pm filtrate ()			
Chloride ()			

Calcium ()			
Magnesium ()			
pH			
Excess Lime ()			
Solids			
Sand ()			
Water ()			
Oil ()			
Solids ()			
Corrected solids ()			
High gravity solids ()			
Low gravity solids ()			
Viscometer tests			
Plastic visc. (mPa.s)	28	28	32
Yield point (Pa)	10.5	11	13
Filtration tests			
Pm filtrate ()			
Filtrate Lthp ()			
Filtrate Hthp ()			
Cake thickn API ()			
Cake thickn HPHT ()			
Test Temp HPHT (degC)	120	120	120
Comment			

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3695.5		1.06	estimated

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
109	Schlumberger	3442	3695.5	ECOSCOPE - STETHSCOPE - TELESCOPE - ISON	-999.99

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
3670	3690				Limestone, very slightly argillaceous in places.