

Summary report

Wellbore: 15/9-F-10

Period: 2009-05-27 00:00 - 2009-05-28 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	52
Days Ahead/Behind (+/-):	10
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):	147
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:	4670
Depth mTVD:	2743
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)

Waited on spare parts for DCI system. Repaired DCI manifold. Drilled 8 1/2" hole from 4549 m to 4750 m MD. Inspected and serviced fwd/aft PRS and TDS.

Summary of planned activities (24 Hours)

Drill 8 1/2" hole from 4750 m to 4910 m MD. Circulate hole clean. Rig up for running WL gyro. Run/pump WL gyro and perform survey.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:30	4549	drilling -- drill	ok	Drilled 8 1/2" hole section from 4523 m to 4549 m MD with reduced penetration rate. Drilling parameters : Flow 2800 lpm / SPP ~260 bar / 200 RPM / WOB ~7 MT / Torque ~20 kNm / ROP 10-15 m/hrns. Tested DCI system after impeller change out. Observed escalating leakage on end hub of DCI manifold. Skips about to be filled - unable to drill ahead.
02:30	06:00	4549	interruption - - other	ok	Traced spare flange adapter to be in Dusavik base due out on Wednesday boat. Called town and arranged for heli transport of required parts. Circulated hole clean while reciprocating stand. Parameters : Flow 2500-2800 lpm / SPP 213-263 bar / 160-200 RPM / Torque 14-16 kNm.
06:00	10:00	4182	interruption - - other	ok	Waited on spare parts for DCI to arrive on helicopter. Meanwhile POOH to 4102 m MD to check hole condition.
10:00	10:30	4102	drilling -- other	ok	Serviced TDS.
10:30	16:00	4549	interruption - - other	ok	Replaced DCI flange adapter and tested system. Meanwhile reamed back in with 8 1/2" drilling BHA on 5 1/2" DP from 4102 to 4549 m MD. Parameters : Flow 2000-2800 lpm / SPP 45-270 bar / 60 RPM / Torque ~15 kNm.
16:00	22:00	4633	drilling -- drill	ok	Drilled 8 1/2" hole section from 4549 m to 4633 m MD. Drilling parameters : Flow 2800 lpm / SPP 262-266 bar / 200 RPM / WOB 7-11 MT / Torque ~21 kNm / ROP 15-25 m/hrns. Performed MWD survey on connections. Downlinked Powerdrive according to DDs instructions. Got liner spray alarm on mudpump#2.
22:00	22:30	4633	interruption - - other	ok	Checked out liner spray alarm on mudpump#2. Meanwhile reciprocated stand pumping at 1800 lpm.
22:30	00:00	4670	drilling -- drill	ok	Drilled 8 1/2" hole section from 4633 m to 4670 m MD. Drilling parameters : Flow 2800 lpm / SPP 262-266 bar / 200 RPM / WOB 7-11 MT / Torque ~23 kNm / ROP 15-25 m hrns. Performed MWD survey on connections. Downlinked Powerdrive according to DDs instructions.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	4549		mud and bulk syst -- other	0	00:00	Leaking / washed out flange adaptor on DCI manifold end flange.

Drilling Fluid

Sample Time	03:00	09:00	16:00	21:00
Sample Point	Active pit	Active pit	Active pit	Flowline
Sample Depth mMD	4548	4549	4549	4620
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.31	1.31	1.31	1.31
Funnel Visc (s)	-999.99	-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)	32	32	35	36
Yield point (Pa)	14	14	12	12.5
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	4750		1.08	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4576.2	2736.4	85.71	131.07	
4616.5	2739.4	85.65	131.64	
4656.9	2742.4	85.71	132.19	
4696.8	2745.9	84.25	131.74	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
4625	2739.8	Hod Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
4550	4620				Limestone interval with thin claystone interbedding.
4630	4730				Limestone interval with thin claystone interbedding.