Summary report

Wellbore: 15/9-F-12 **Period: 2007-07-25 00:00 - 2007-07-26 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	43
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 00:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2007-08-26

Dist Drilled (m):	323
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.7
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2403
Depth mTVD:	2322
Plug Back Depth mMD:	
Depth at formation strength mMD:	1353
Depth At Formation Strength mTVD:	1353
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

Summary of activities (24 Hours)

Drilled 17 1/2" hole section from 2150 m to 2438 m MD.

Summary of planned activities (24 Hours)

Drill 17 1/2" section to section TD at approx. 2585 m MD. Circulate well clean.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	03:30	2146	drilling -- drill	ok	Drilled 17 1/2" hole section from 2080 m to 2146 m MD. Drilling parameters : Flow 4500 lpm / SPP 258 bar / 180 rpm / 3-4 MT WOB / 23 kNm / ECD 1,37-1,38. Downlinked Powerdrive as required. Performed pit drill at 02:00. Bled 2-3 m3 mud into active. Good response from driller and Geoservice. Experienced problems with mud pumps, standpipe pressure eratic and lowe r than before.
03:30	04:15	2150	interruptio n -- other	ok	Troubleshot problems with mudpumps, isolated one pump at the time. Problem with mud pump #2, took pump out of service. Attempted to drill ahead using mud pump #1 and #3. Got prob lem with mud pump #1.
04:15	06:00	2150	interruptio n -- other	ok	Stopped drilling. Worked on mud pump #2, changed ejection valve and valve seat. Meanwhile reciprocated string pumping 1500 lpm with mud pump #3. Rotated string 20 rpm.
06:00	16:30	2320	drilling -- drill	ok	Continued drilling from 2150 to 2320 m MD. Drilling parameters : Flow 4500 lpm / SPP 265 bar / 180 rpm / 10-12 MT WOB / Torque 20-25 kNm / ECD 1,37-1,38. Performed survey and re amed stand on connection. Downlinked Power as required.
16:30	00:00	2403	drilling -- drill	ok	Drilled 17 1/2" hole section from 2320 to 2403 m MD. ROP dropped to 5-10 m/hrs, increased WOB. Drilling parameters : Flow 4500 lpm / SPP 265-272 bar / 180 rpm / 10-18 MT WOB / To rque 16-23 kNm / ECD 1,37-1,38. Top of Balder encounterd at 2345 m MD. Stick slip tendencies at 2380 m MD, reduced WOB as required.

Drilling Fluid

Sample Time	04:00	10:00	16:00	23:50
Sample Point	Active pit	Active pit	Active pit	Active pit
Sample Depth mMD	1875	2200	2325	2403
Fluid Type	HPWBM	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35	1.35	1.35
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)	31	33	30	34
Yield point (Pa)	9.5	11	12.5	12
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT ()				
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2438.8		1.05	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2132.1	2054.8	11.5	243.38	
2172.8	2094.8	9.85	233.9	
2213.4	2134.9	9.25	215.05	
2253.1	2174.1	9.12	194.63	
2292.6	2213	10.2	176.3	
2333.7	2253.4	11.11	160.73	
2372.2	2291.1	12.74	151.46	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2155.1	2077.5	Grid Fm
2345.6	2265.1	Balder Fm.
2400.7	2318.8	Sele Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2150	2300	2072.4	2220.3		Homogenous claystone with variable reduction colours with rare, intermittent sandstone/siltstone and dolomite horizons.
2310	2390	2230.2	2308.5		Tuffaceous claystone with variable reduction colours with rare, intermittent tuff horizons.
2400	2420	2318.2	2337.7		Homogenous claystone with very rare tuffaceous horizons.