Summary report

Wellbore: 15/9-F-14 **Period: 2008-05-14 00:00 - 2008-05-15 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	29
Days Ahead/Behind (+/-):	
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 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:	2008-06-15

Dist Drilled (m):	152
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.38
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2281
Depth mTVD:	2279.5
Plug Back Depth mMD:	
Depth at formation strength mMD:	1186
Depth At Formation Strength mTVD:	1186
Depth At Last Casing mMD:	1076.9
Depth At Last Casing mTVD:	1076.5

Summary of activities (24 Hours)

Drilled 17 1/2" hole section from 2209 m to TD 2281 m MD. Circulated hole clean with 3 x bottoms up. Spotted LCM pill at TD. Downlinked SonicVision. POOH with 17 1/2" drilling BHA from TD to 110 m MD. Racked back HWDP and DC's.

Summary of planned activities (24 Hours)

Lay out 17 1/2" drilling BHA. Pull nominal seat protector. Rig up for running 14" casing. Run 14" casing to 800 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:45	2135	drilling -- drill	ok	Drilled 17 1/2" hole section from 2129 m to 2135 m MD. Drilling parameters : Flow 4500 lpm / SPP 195-198 bar / Rotation 120-160 rpm / WOB 7-9 MT / Torque 11-15 kNm / ECD 1,31-1,32 / ROP 10-15 m/hrs as determined by geology.
00:45	02:30	2185	drilling -- drill	ok	Observed negative drilling break at 2135 m MD. Observed significant shift in torque and confirmed top of Grid formation on logs. Drilled 17 1/2" hole section from 2135 to 2185 m MD. Drilling parameters : Flow 4500 lpm / SPP 195-198 bar / Rotation 120-160 rpm / WOB 6-8 MT / Torque 18-26 kNm / ECD 1,31-1,32 / ROP 20 m/hrs.
02:30	03:15	2185	drilling -- other	ok	Got problems with plugged shakers and overflow when Grid sand surfaced. Cleaned shakers and shaker box. Reciprocated string with 500 lpm / 30 rpm. Stepped up rate to 4000 lpm and recommenced drilling.
03:15	06:00	2209	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 2185 m to 2209 m MD with reduced rate as dictated by geology. Drilling parameters : Flow 4400 lpm / SPP ~197 bar / Rotation 120 rpm / WOB 1-3 MT / Torque 6-14 kNm / ECD 1,31-1,32 / ROP 20 m/hrs. Took survey at connection as instructed by DD. Got problems with plugged shakers and had to reduce flow after connection at 2209 m MD.
06:00	10:00	2239	drilling -- drill	ok	Worked on shakers to unplug screens, worked flow rate up and down accordingly. Drilled 17 1/2" hole section from 2209 m to 2239 m MD at reduced ROP ~10 m/hrs. Drilling parameters : Flow 4000 lpm / SPP ~163 bar / Rotation 120 rpm / WOB 5-8 MT / Torque 10-14 kNm / ECD 1,31-1,32. Downlinked powerdrive according to DD's instructions.
10:00	10:30	2239	drilling -- drill	ok	Picked off bottom due to screen plugging on shakers. Cleaned shaker box and screens.
10:30	13:00	2264	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 2239 m to 2264 m MD at reduced ROP ~10 m/hrs. Drilling parameters : Flow 4000 lpm / SPP ~163 bar / Rotation 120 rpm / WOB 4-9 MT / Torque 11-13 kNm / ECD 1,31-1,32.
13:00	13:15	2264	drilling -- drill	ok	Picked off bottom due to screen plugging on shakers. Cleaned shaker box and screens.
13:15	15:45	2281	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 2264 m to section TD at 2281 m MD as determined by samples and logs. Top of Balder encountered at 2268 m MD. Drilling parameters : Flow 3800-4000 lpm / SPP 156-168 bar / Rotation 120 rpm / WOB 4-9 MT / Torque 7-12 kNm / ECD 1,31-1,32 / ROP 8-10 m/hrs..
15:45	19:30	2240	drilling -- drill	ok	Racked back 1 stand. Reciprocated string and circulated hole clean with 3 x bottoms up while stepping up rate from 4000 to 4500 lpm as determined by shaker capacity. SPP 171-207 bar. Rotation 120 rpm.
19:30	21:00	2281	drilling -- drill	ok	RIH to TD. Sent downlink to set SonicVision in logging mode. Cycled pumps 3 times to obtain correct setting.
21:00	21:30	2281	drilling -- drill	ok	Spotted 10 m3 LCM pill at TD with 1750 lpm as restricted by MWD tools.
21:30	22:30	2037	drilling -- trip	ok	Pulled 5 stand wet. Observed dry pipe.
22:30	22:45	2037	drilling -- trip	ok	Flowchecked well on trip tanks for 15 min - well static.
22:45	23:15	2037	drilling -- trip	ok	Pumped ~8 m3 1,65 sg slug at 1000 lpm / SPP 20 bar.
23:15	00:00	1872	drilling -- trip	ok	POOH with 17 1/2" drilling BHA on 5 1/2" DP from 2037 m to 1872 m MD. No thight spots observed.

Drilling Fluid

Sample Time	04:00	10:00	16:00	22:00
Sample Point	Active pit	Flowline	Flowline	Active pit
Sample Depth mMD	2192	2223	2279	2281
Fluid Type	HPWBM	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.3	1.3	1.3	1.3
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)	25	33	33	32
Yield point (Pa)	12	17	15.5	16.5
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	2281		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2227.5	2225.6	8.6	20.27	

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
100	Schlumberger	1083	-999.99	ARCVRES8 - POWERPULSE - ISONIC8	-999.99

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2268	2267.5	Balder Fm.

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
2200	2220				Sandstone with minor claystone
2230	2280				Claystone

Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top mTVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas peak	2180		2179.5		.48		4136	87	17	0	4