

Summary report

Wellbore: 15/9-F-14

Period: 2008-05-11 00:00 - 2008-05-12 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	26
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):	115
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:	1198
Depth mTVD:	1197.5
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)

Cleaned rathole and drilled 3 m new formation down to 1086 m MD. Pumped hi-vis sweep, displaced to 1,20 sg WBM and spotted LCM pill in rathole. Conditioned mud and performed FIT to 1,38 EMW. Drilled 17 1/2" section down to 1302 m MD. Had problems with overflow on shakers and screen plugging.

Summary of planned activities (24 Hours)

Drill 17 1/2" hole section from 1302 m to 1900 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	1040	drilling -- drill	ok	Took SCR's. Performed choke drill.
00:30	02:00	1050	drilling -- casing	ok	Continued drilling cement and float collar at 1050 m MD. Virtually no penetration observed indicating drilling on float collar. Drilling parameters : Flow 3100 lpm / SPP 74 bar / Rotation 60-70 RPM / WOB 7-10 MT / Torque 5-10 kNm.
02:00	05:15	1077	drilling -- casing	ok	Drilled firm cement in shoetrack from 1050 m 1077 m MD. Drilling parameters : Flow 3100 lpm / SPP 76 bar / Rotation 60-70 RPM / WOB 5 MT / Torque 8-12 kNm.
05:15	06:00	1078	drilling -- casing	ok	Broke through 20" casing shoe at 1077 m MD. Observed increased return on flowmeter. Picked off bottom and flowchecked - static. Continued drilling to 1078 m MD. Flow 3 100 lpm / SPP 77 bar / Rotation 60-70 RPM / WOB 3-5 MT / Torque 4-11 kNm. Meanwhile broke out and laid down adjustable sub setting tool using fwd PRS and fwd IR.
06:00	06:45	1086	drilling -- drill	ok	Cleaned rathole below 20" casing down to 1083 m MD. Drilled new formation from 1083 m to 1086 m MD. Drilling parameters : Flow 3100 lpm / SPP 78 bar / Rotation 70 rpm / WOB 2-4 MT / Torque 4-9 kNm.
06:45	07:15	1086	drilling -- drill	ok	Pumped 40 m3 hi-vis sweep at 3200 lpm to clean well. Meanwhile held toolbox talk prior to displacing to WBM.
07:15	09:30	1077	drilling -- circulating conditioning	ok	Displaced well from seawater to 1,20 sg Performadrill WBM with 3500 lpm. Flushed choke and kill lines on BOP and lined up sandtraps.
09:30	10:15	1077	formation evaluation -- circulating conditioning	ok	Obtained even MW in/out, 1,21 sg.
10:15	11:00	1077	formation evaluation -- circulating conditioning	ok	Ran in to TD at 1086 m MD. Observed tight spot at 1081-1085 m MD. Spotted 10 m3 LCM pill in rathole. Pulled back into shoe at 1077 m MD.
11:00	12:15	1077	formation evaluation -- rft/fit	ok	Lined up cement unit. Pressure tested lines prior to performing FIT. Closed BOP. Performed FIT to 1,38 EMW by pressuring up to 21,5 bar on well.
12:15	14:00	1077	formation evaluation -- rft/fit	ok	Opened BOP and lined up for drilling. Took SCRs. Laid out 5 1/2" singel used for spacing out in shoetrack. RIH to 1077 MD. Obtained MWD pressure point from FIT, EMW 1, 408 sg.
14:00	16:30	1086	drilling -- drill	ok	Established drilling parameters : Flow 3000 lpm / SPP 116 bar. Not able to handle flow over shakers. Worked with shaker configuration. Installed coarser top and bottom screens (30/80 mesh).
16:30	17:30	1110	drilling -- drill	ok	Drilled 17 1/2" hole section from 1086 m to 1110 m MD. Drilling parameters : Flow 4000 lpm / SPP 112 bar / Rotation 80 rpm / WOB ~5 MT / Torque 7-8 kNm / ROP 25 m/hr.
17:30	18:00	1110	drilling -- drill	ok	Lost mud on shakers due to plugged header box and uneven mud distribution. Picked off bottom and reduced flow rate to 1700 lpm to remedy situation. Cleaned shaker box.
18:00	21:30	1130	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 1110 m to 1130 m MD with reduced ROP 10-15 m/hr due to problems to handle fluid returns at shakers. Drilling parameters : Flow 3500-4000 lpm / SPP 103-150 bar / Rotation 120 rpm / WOB 4-7 MT / Torque 3-7 kNm / ECD 1,22. Reamed half stand on connection. Meanwhile repaired shaker #3.
21:30	00:00	1198	drilling -- drill	ok	Drilled 17 1/2" hole section from 1130 m to 1198 m MD. Drilling parameters : Flow 3500-4000 lpm / SPP 103-150 bar / Rotation 120 rpm / WOB 4-7 MT / Torque 3-7 kNm / ECD 1,22 / ROP 25-35 m/hr. Reamed half stand on connection. Meanwhile repaired shaker #3.

Drilling Fluid

Sample Time	12:00	17:00	22:00
Sample Point	Active pit	Active pit	Active pit
Sample Depth mMD	1086	1101	1158
Fluid Type	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.21	1.2	1.21
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)			
33	33	33	
Yield point (Pa)	6	14.5	13.5
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	1308		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1065.7	1064.3	.18	168.91	
1096.5	1095.1	.23	241.47	
1177.3	1175.9	.1	23.17	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
1207	1206.5	Skade Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
1090	1190				Claystone with traces of sand
1190	1240				Claystone with traces of limestone and sandstone
1240	1260				Sandstone with traces of claystone