

Summary report

Wellbore: 15/9-F-14

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	27
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

Period: 2008-05-12 00:00 - 2008-05-13 00:00

Dist Drilled (m):	370
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:	1568
Depth mTVD:	1567.5
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 1302 m to 1725 m MD.

Summary of planned activities (24 Hours)

Drill 17 1/2" hole section from 1725 m to TD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:30	1240	drilling -- drill	ok	Drilled 17 1/2" hole section from 1130 m to 1198 m MD. Drilling parameters : Drilled 17 1/2" hole section from 1130 m to 1198 m MD. Drilling parameters : Flow 3500-4000 lpm / SPP 10 3-150 bar / Rotation 80-120 rpm / WOB 4-7 MT / Torque 3-7 kNm / ECD 1.22. Meanwhile repaired shaker #3.
01:30	01:45	1240	drilling -- circ	ok	Reamed full stand due to increasing ECD 1.22 => 1.25 sg and no sand observed at lag depth for Skade formation. Meanwhile repaired shaker #3.
01:45	03:45	1240	drilling -- drill	ok	Observed massive overflow on lower shaker screens probably caused by sand plugging. Cleaned screens and attempted various flow / screen configurations. Pulled above Skade formation and reciprocated string with 30 RPM and flow rate as dictated by capacity on shakers. Shaker #3 up and running. Dressed all shakers with 145 mesh bottom screens - able to handle flow at 4200 lpm. Cleaned header box.
03:45	06:00	1302	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 1240 m to 1302 m MD. Drilling parameters : Flow 3800-4200 lpm / SPP 151 bar / Rotation 80-90 rpm / WOB 1-4 MT / Torque 8-12 kNm / ECD 1.25-1.27 / ROP 35-50 m/hr.
06:00	10:30	1395	drilling -- drill	ok	Drilled 17 1/2" hole section from 1302 m to 1395 m MD. Drilling parameters : Flow 4000-4500 lpm / SPP 136-170 bar / Rotation 80-160 rpm / WOB 3-6 MT / Torque 4-10 kNm / ECD 1.2 5-1.27 / ROP 35 m hr.
10:30	10:45	1395	drilling -- drill	ok	Picked off bottom for flowcheck due to high gas readings ~4% and no loss in active. Flowchecked for 10 min - well static.
10:45	13:30	1454	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 1395 m to 1454 m MD. Drilling parameters : Flow 4500 lpm / SPP ~165 bar / Rotation 160 rpm / WOB ~4 MT / Torque 4-10 kNm / ECD 1.27 -1.28 / ROP 50 m hr.
13:30	15:00	1454	drilling -- other	ok	Observed blockage on CRI and conveyer screw. Reduced flowrate and unblocked CRI/conveyer. Established flowrate and circulated cuttings away from BHA.
15:00	17:00	1480	drilling -- drill	ok	Continued drilling 17 1/2" section from 1454 m to 1480 m MD at reduced ROP of 20 m/hr. Experienced shaker screen plugging tendencies / overflow. Drilling parameters : Flow 3500-4 100 lpm / SPP 108-147 bar / Rotation 160 rpm / WOB 2-3 MT / Torque 6-8 kNm / ECD 1.27.
17:00	17:15	1480	drilling -- drill	ok	Took SCR's.
17:15	19:00	1498	drilling -- drill	ok	Continued drilling 17 1/2" section from 1480 m to 1498 m MD at reduced ROP of 20 m hr. Experienced shaker screen plugging tendencies / overflow. Drilling parameters : Flow 4000 lpm / SPP 142 bar / Rotation 160 rpm / WOB 3-6 MT / Torque 7-10 kNm / ECD 1.28.
19:00	20:30	1498	drilling -- other	ok	Picked off bottom due to problems on shakers. Reciprocated string at 2500 lpm / 60 rpm. Cleaned shaker box. Cleaned shakers and changed to coarser top screens.
20:30	00:00	1568	drilling -- drill	ok	Continued drilling 17 1/2" hole section from 1498 m to 1568 m MD. Drilling parameters : Flow 4000 lpm / SPP 142-148 bar / Rotation 160 rpm / WOB ~3 MT / Torque 8-11 kNm / ECD 1.28-1.29 / ROP 25-35 m hr.

Drilling Fluid

Sample Time	04:00	09:00	16:00	22:00
Sample Point	Active pit	Flowline	Flowline	Flowline
Sample Depth mMD	1238	1378	1460	1521
Fluid Type	HPWBM	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.23	1.24	1.25	1.26
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)	36	28	30	42
Yield point (Pa)	12	16	15	18
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	1703		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1257.8	1256.4	.06	180.93	
1337.3	1336.8	.08	79.48	
1418.3	1417.8	.1	181.35	
1500.8	1500.3	.1	243.88	
1581.1	1580.6	.1	138	
1662.1	1661.6	.08	140.33	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth TVD	End Depth TVD	Shows Description	Lithology Description
1270	1300				Claystone
1310	1330				Claystone with minor sandstone
1340	1480				Claystone with traces of sandstone
1490	1680				Claystone with minor sandstone and limestone