

## Summary report

Wellbore: 15/9-F-10

Period: 2009-04-21 00:00 - 2009-04-22 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	16
Days Ahead/Behind (+/-):	8.5
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):	0
Penetration rate (m/h):	-999.99
Hole Dia (in):	26
Pressure Test Type:	
Formation strength (g/cm3):	0
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	1400
Depth mTVD:	1341
Plug Back Depth mMD:	1362
Depth at formation strength mMD:	0
Depth At Formation Strength mTVD:	0
Depth At Last Casing mMD:	1388.9
Depth At Last Casing mTVD:	1331.7

## Summary of activities (24 Hours)

Laid out DC and made up BHA. Made repairs on PS-21 slips. Made repairs on TDS. RIH with 17 1/2" BHA from 190 m and tagged cement/plugs at 1359 m MD. Displaced from SW to 1,40 sg OBM. Drilled plugs and shoetrack form 1359 m to 1389,7 m MD. Cleaned out rathole.

## Summary of planned activities (24 Hours)

Clean out rathole and drill 3 m of new formation. Circulate to even MW in/out. Perform fit to 1,60 EMW. Drill 17 1/2" hole section to 1600 m MD.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:30	140	drilling -- casing	ok	RIH with NSP to 140 m MD and set according to Vetco instructions.
01:30	02:15	0	drilling -- casing	ok	POOH with NSP RT from 140 m MD to surface. Broke and laid down RT.
02:15	02:30	0	drilling -- trip	ok	Held toolbox talk for making up 17 1/2" drilling BHA.
02:30	05:30	55	drilling -- trip	ok	Made up 17 1/2" drilling BHA comprising of 17 1/2" bit/PDX5/stab, Powerpulse, ARC, 17" NM stab and stand of 9 1/2" NMDC. Made up x-over to DC.
05:30	06:00	55	drilling -- trip	ok	Picked up stand of 8,25" DC. Broke and laid out 8,25" DC singles for onshore inspection.
06:00	08:15	55	drilling -- trip	ok	Broke and laid out 8,25" DC singles. Ran stand of 8,25" DC, broke and laid out 2 singels.
08:15	10:30	115	drilling -- trip	ok	Picked up and made up 2 x 8,25" DC and jar. Picked up and made up 2x8,25" DC and intensifier.
10:30	10:45	115	drilling -- drill	ok	Removed master bushing and installed PS-21 slips.
10:45	11:30	115	interruption -- other	ok	Found sheared bolt on actuator for PS-21. Removed PS-21 for repairs. Installed master bushing. Repaired PS-21 slips.
11:30	11:45	194	drilling -- drill	ok	RIH with 17 1/2" drilling BHA on 5 1/2" DP from 115 m to 194 m MD. Used manual slips. Meanwhile repaired PS-21 slips.
11:45	13:00	194	interruption -- main air	ok	Isolated TDS for maintenance. Changed out TDS centralizer bushings. Changed die carriers on TDS torque wrench.
13:00	13:15	194	interruption -- other	ok	Removed masterbushing and installed PS-21 slips.
13:15	15:00	1000	drilling -- drill	ok	RIH with 17 1/2" drilling BHA on 5 1/2" DP from 194 m to 1000 m MD.
15:00	15:45	1000	drilling -- drill	ok	Filled drillstring with SW. Tested MWD - ok.
15:45	16:45	1323	drilling -- drill	ok	RIH with 17 1/2" drilling BHA on 5 1/2" DP from 1000 m to 1323 m MD.
16:45	17:30	1323	drilling -- drill	ok	Performed choke drill.
17:30	17:45	1323	drilling -- drill	ok	Held toolbox talk for drilling ahead and displacing to 1,40 SG OBM.
17:45	19:00	1359	drilling -- drill	ok	Washed down from 1323 m and tagged top of cement/plugs at 1359 m MD. Parameters : Flow 3200 lpm / SPP 64 bar / 30 RPM / Torque 10-13 kNm.
19:00	19:30	1359	drilling -- circulating conditioning	ok	Held toolbox talk / handover meeting.
19:30	20:00	1359	drilling -- circulating conditioning	ok	Lined up for displacement and drained U-tube in surface equipment. Posted personnel.
20:00	22:00	1359	drilling -- circulating conditioning	ok	While drilling on wiper plugs at 1359 m MD - displaced well from SW to 1,40 sg OBM. Displaced manifold and C/K lines to OBM. Drilling parameters : Flow 3200 lpm / SPP 60 bar increasing to 125 bar / 60 RPM / Torque 12 kNm decreasing to 8 kNm / WOB -5 MT / ECD 1.38.
22:00	00:00	1359	drilling -- casing	ok	Drilled on cement plugs at 1359 m MD. Little or no progress was made. Drilling parameters : Flow 3200 lpm / SPP 123 to 118 bar / 40-60 RPM / WOB 5-10 MT / Torque 9-12 kNm. When increasing WOB to 10 MT - observed high stick/slippage on MWD.

## Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	136		hoisting equ -- top drive	0	00:00	Worn centralizing liners on TDS. Scores on DP couplings.

## Drilling Fluid

Sample Time	04:00	16:00
Sample Point	Reserve pit	Reserve pit
Sample Depth mMD	1400	1400
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.4	1.4
Funnel Visc (s)	-999.99	-999.99
M <sub>r</sub> ()		
P <sub>m</sub> ()		
P <sub>m</sub> filtrate ()		
Chloride ()		
Calcium ()		
Magnesium ()		
pH		

<b>Excess Lime ()</b>		
<b>Solids</b>		
<b>Sand ()</b>		
<b>Water ()</b>		
<b>Oil ()</b>		
<b>Solids ()</b>		
<b>Corrected solids ()</b>		
<b>High gravity solids ()</b>		
<b>Low gravity solids ()</b>		
<b>Viscometer tests</b>		
<b>Plastic visc. (mPa.s)</b>	20	20
<b>Yield point (Pa)</b>	5	5
<b>Filtration tests</b>		
<b>Pm filtrate ()</b>		
<b>Filtrate Lthp ()</b>		
<b>Filtrate Hthp ()</b>		
<b>Cake thickn API ()</b>		
<b>Cake thickn HPHT ()</b>		
<b>Test Temp HPHT (degC)</b>	120	120
<b>Comment</b>		