

## Summary report

Wellbore: 15/9-F-10

Period: 2009-05-19 00:00 - 2009-05-20 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	44
Days Ahead/Behind (+/-):	10.3
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):	19
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.55
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	3461
Depth mTVD:	2655.4
Plug Back Depth mMD:	
Depth at formation strength mMD:	3439
Depth At Formation Strength mTVD:	2654
Depth At Last Casing mMD:	3441
Depth At Last Casing mTVD:	2654

## Summary of activities (24 Hours)

Drilled 9 5/8 shoetrack, shoe and 4 m new formation to 3446 m. Pumped and displaced 4 m3 LCM pill. POOH to 3332 m. Performed FIT to 1,55 sg EMW. RIH to 3446 m. Drilled 8 1/2" hole from 3446 m to 3471 m.

## Summary of planned activities (24 Hours)

Drill 8 1/2" hole from 3471 m to 3625 m.

Target for tomorrow at 06:00 hrs: Drilling 8 1/2" hole at 3625 m.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:45	3413	drilling -- casing	ok	Drilled soft cement from 3401 m to 3413 m. Parameters: 2000 lpm/ 150-160 bar. 40 RPM/ 11-14 kNm. WOB: 2-3 ton. ROP: 20-25 m/hr.
00:45	04:30	3414	drilling -- casing	ok	Drilled bottom plug and landing collar from 3413 m to 3414 m. Parameters: 1800 - 2000 lpm/ 120 -170 bar. RPM: 30 - 50/ 11-16 kNm. WOB: 7-10 ton. ROP: 0,5 - 1m/ hr.
04:30	06:00	3434	drilling -- casing	ok	Drilled soft cement in shoe track from 3414 m to 3434 m. Parameters: 2000 lpm/ 148-150 bar. 50 RPM/ 11-14 kNm. WOB: 2-4 ton. ROP: 25 -30 m/hr.
06:00	06:30	3440	drilling -- casing	ok	Drilled cement in shoe track from 3434 m to 3440 m. Parameters: 2000 lpm/ 147-150 bar. 50 RPM/ 12-14 kNm. WOB: 2-4 ton. ROP: 25 -30 m hr.
06:30	08:00	3441	drilling -- casing	ok	Drilled 9 5/8" reamer shoe from 3440 m to 3441 m. Parameters: 2000 - 2200 lpm/ 147-185 bar. 50 RPM/ 12-17 kNm. WOB: 0-2 ton. ROP: 0,5-2 m/hr. String stalled out several times and pressure increased with 20-30 bar.
08:00	10:15	3442	drilling -- casing	ok	Timedrilled rest of shoe with steady parameters from 3441 m to 3442 m. Parameters: 2200 lpm/ 180 bar, 60 RPM/ 12-18 kNm. WOB: 0-2 ton. Had no clear indication of going out of shoe. Checked shoe/ rathole twice, OK.
10:15	12:45	3446	drilling -- drill	ok	Drilled 4 m new formation and 8 1/2" hole from 3442 m to 3446 m. Parameters: 2200 lpm/ 172 - 176 bar, 60 RPM/ 12-17 kNm, WOB: 1-2 ton. ROP: 1-3 m/hr.
12:45	13:00	3446	drilling -- drill	ok	Checked rathole / shoe with and without rotation, OK.
13:00	13:45	3446	drilling -- drill	ok	Pumped 4 m3 LCM pill and displaced same as balanced pill. Parameters: 1000 lpm in DP and 800 lpm through BHA.
13:45	14:30	3332	drilling -- drill	ok	POOH slowly from 3446 m to 3332 m. Meanwhile pressure tested surface lines prior to FIT.
14:30	14:45	3332	drilling -- drill	ok	Pumped 1 m3 OBM to clear MWD tools of any LCM.
14:45	15:00	3332	formation evaluation -- rft/fit	ok	R/U for FIT, checked line up and flushed lines.
15:00	15:30	3332	formation evaluation -- rft/fit	ok	Performed FIT to 1,55 sg EMW by pressuring up to 68 bar at cement unit. Volume pumped: 919 l/ Bled back: 900 l. Meanwhile changed out drill line guide.
15:30	15:45	3332	formation evaluation -- rft/fit	ok	R/D FIT equipment.
15:45	16:15	3332	interruption -- maintain	ok	Planned maintenance - continued changed out drill line guide.
16:15	16:45	3332	drilling -- survey	ok	Performed static pressure survey to 1,57 sg to check FIT.
16:45	17:00	3446	drilling -- drill	ok	RIH with 8 1/2" BHA from 3332 m to 3446 m.
17:00	00:00	3461	drilling -- drill	ok	Drilled 8 1/2" hole from 3446 m to 3461 m. Parameters: 2366 lpm/ 195 bar, 80 RPM/ 14-17 kNm, WOB: 6-7 ton. ROP: 2-4 m/hr. ECD: 1,37 sg Note: Used max 80-90 RPM until top stabilizer out of shoe. Verified 9 5/8" shoe depth with logging tool to 3441 mMD.

## Drilling Fluid

Sample Time	03:00	09:00	15:00	23:30
Sample Point	Active pit	Flowline	Active pit	Active pit
Sample Depth mMD	3422	3442	3446	3461
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.3	1.3	1.3	1.31
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 ()				

<b>High gravity solids ()</b>				
<b>Low gravity solids ()</b>				
<b>Viscometer tests</b>				
<b>Plastic visc. (mPa.s)</b>	27	29	28	31
<b>Yield point (Pa)</b>	10	10.5	10	11
<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	120	120
<b>Comment</b>				