

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 (I):	
Pressure (I):	
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 (I):	

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 -- maintenance	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 ()				

High gravity solids ()				
Low gravity solids ()				
Viscometer tests				
Plastic visc. (mPa.s)	27	29	28	31
Yield point (Pa)	10	10.5	10	11
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120
Comment				