

## Summary report

Wellbore: 15/9-F-12

Period: 2007-07-20 00:00 - 2007-07-21 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	38
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 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:	2007-08-26

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	26
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.2
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	1369
Depth mTVD:	0
Plug Back Depth mMD:	
Depth at formation strength mMD:	251
Depth At Formation Strength mTVD:	251
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

## Summary of activities (24 Hours)

Drilled 20" shoetrack with 17 1/2" drilling BHA. Performed choke drill. Repaired choke sensors. Displaced well to 1,35 sg Performadrill.

## Summary of planned activities (24 Hours)

Perform XLOT. Start drilling 17 1/2" section.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	03:00	320	drilling -- trip	ok	Continued to make up 17 1/2" drilling BHA. Made up 8 1/4" drillcollar, jar/accelerator, x-over and 5 1/2" HWDP. Installed PS-30 slips.
03:00	05:00	600	drilling -- drill	ok	RIH with 17 1/2" drilling BHA on 5 1/2" DP. Picked up and made up 27 singles.
05:00	06:00	1000	drilling -- drill	ok	Continued RIH with 17 1/2" drilling BHA on 5 1/2" DP stands.
06:00	07:15	1100	drilling -- drill	ok	Continued RIH with 17 1/2" drilling BHA on 5 1/2" DP to 1100 m MD.
07:15	07:45	1100	drilling -- drill	ok	Connected TDS for test of MWD/LWD tools. Encountered problems with mudpumps #1 and #3 when bringing up the rate.
07:45	08:15	1100	interruption -- other	ok	Leakage observed on mudpump #1. Liner spray on mudpump #3 not working. Repaired mudpumps.
08:15	08:45	1100	drilling -- drill	ok	Performed test of MWD/LWD tools. Brought pump rate up to 3500 lpm / 101 bar SPP. Not able to establish communication with ARC tool.
08:45	10:30	1260	drilling -- drill	ok	Continued to RIH with 17 1/2" drilling BHA from 1100 m to 1260 m MD. Picked up single to space out for drilling shoetrack on 1 stand.
10:30	11:00	1288	drilling -- drill	ok	Brought pumprate to 3000 lpm and washed down from 1260 m to 1288 m MD. Dumphose not handling flow => routed return flow to shakers and pumproom.
11:00	11:45	1319	drilling -- drill	ok	Continued washing down from 1288 m to 1319 m MD at 3000 lpm. Tagged obstruction at 1319 m MD with 5 MT WOB.
11:45	12:15	1319	drilling -- drill	ok	Attempted to Perform choke drill. Rig choke sensors not reading pressures.
12:15	14:00	1319	interruption -- other	ok	Investigated sensor fault. Found faulty I/O module and sensor. Prepared for repairing sensor.
14:00	14:45	1319	drilling -- circulating c onditioning	ok	Brought pumps up to 4500 lpm and observed/rearranged dumphose to take full return flow. Meanwhile worked on choke sensors.
14:45	16:30	1319	interruption -- other	ok	Continued repairing choke sensors. Meanwhile cleaned and tidied in Moonpool, shaker area and BOP control room.
16:30	17:00	1319	drilling -- drill	ok	Performed choke drill.
17:00	17:30	1326	drilling -- drill	ok	Established drilling parameters 3000 lpm / 50 RPM and reamed section from 1319 m to 1326 m MD. Tagged firm cement at 1326 m MD.
17:30	21:15	1330	drilling -- drill	ok	Drilled firm cement from 1326 m MD to 1330 m MD. Drilling parameters : Flow 4000-4500 lpm / SPP 130-160 bar / 80-90 rpm / 3-10 MT WOB / Torque 10-20 kNm - strin g stalled out on occasions. Reamed as required. Drilled float collar at 1330 m MD.
21:15	00:00	1355	drilling -- drill	ok	Drilled cement in shoetrack from 1330 m to 1355 m MD. Drilling parameters 4000 lpm / SPP 130 bar / 90 rpm / 3-5 MT WOB / Torque 16 kNm.

## Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	50		service equ -- special service equ	0	00:00	The installation of the RA source into the ADN sub is normally done with an installation carrier and adapter sitting on top of the pipe stick up. Several attempts to install the RA source were made using this equipment. Was not able to screw the RA sourced
00:00	1319		well control equ syst -- choke/kill syst	0	00:00	Fault on choke sensors
00:00	1100		mud and bulk syst -- mud supply	0	00:00	Leakage on mudpump#1. Liner spray on mudpump#3 not working.

## Drilling Fluid

Sample Time	10:00	22:00
Sample Point	Reserve pit	Reserve pit
Sample Depth mMD	1369	1369
Fluid Type	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35
Funnel Visc (s)	-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 ()		
<b>Viscometer tests</b>		
Plastic visc. (mPa.s)	38	37
Yield point (Pa)	17.5	20.5
<b>Filtration tests</b>		
Pn 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	1368		1	estimated