

Summary report

Wellbore: 15/9-F-12

Period: 2007-07-26 00:00 - 2007-07-27 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	44
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 (I):	
Pressure (I):	
Date Well Complete:	2007-08-26

Dist Drilled (m):	83
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.7
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2486
Depth mTVD:	2401
Plug Back Depth mMD:	
Depth at formation strength mMD:	1353
Depth At Formation Strength mTVD:	1353
Depth At Last Casing mMD:	1357
Depth At Last Casing mTVD:	1333

Summary of activities (24 Hours)

Drilled 17 1/2" hole section from 2438 m to 2505 m MD. Repaired mud pumps #2 and #3. Changed washpipe on TDS.

Summary of planned activities (24 Hours)

Drill 17 1/2" scetion to TD at 2594 m MD

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	03:00	2417	drilling -- dri ll	ok	Drilled 17 1/2" hole section 2403 m to 2417 m MD. Drilling parameters : Flow 4500 lpm / SPP 275 bar / 180 rpm / 18 MT WOB / Torque 20 kNm / ECD 1,37-1,38. ROP down to 4-6 m/hrs.
03:00	04:00	2417	drilling -- dri ll	ok	Due to decreasing ROP, picked 0,3 m off bottom to clean the bit. Increased pump rate to 4700 lpm and rotated at 220 rpm and held for 10 mins. Got problems with mud pump #3, took p ump out of service, reciprocated on stand pumping 2000 lpm. Lined up mud pump #2. RIH and stepped up pumps to 4500 lpm for commencement of drilling.
04:00	06:00	2438	drilling -- dri ll	ok	Continued drilling 17 1/2" hole section from 2417 m to 2438 m MD. Drilling parameters : Flow 4500 lpm / SPP 276 bar / 180 rpm / 15-18 MT WOB / Torque 24-30 kNm / ECD 1,37-1,38. ROP increased to approx 10 m/hrs. Drilling break at 2431with ROP of 20 m/hrs. Experienced stick slip tendencies at 2436 m MD, decreased WOB as required.
06:00	14:30	2486	drilling -- dri ll	ok	Continued drilling 17 1/2" section from 2438 m to 2486 m MD. Drilling paramaters : Flow 4500 lpm / SPP 272-280 bar / 150-180 rpm / 13-15 MT WOB / Torque 17-24 kNm / ECD 1,37. Took survey and reamed singel on connection. Got problems with mud pumps #2 and #3.
14:30	21:45	2486	interruption -- other	ok	Worked on mud pumps #2 and #3. Changed swab/piston and liner seal on pump #2. Changed liner spray hose on pump #3. Got pump #2 up and running. Attempted to recommence drilling at 21:45. Observed leakage on TDS washpipe.
21:45	00:00	2444	interruption -- other	ok	Had leakage on TDS washpipe. Installed manual slips. Installed side entry circulation sub. Connected cement hose and circulated 1300 lpm while working on washpipe. Parked topdriv e and changed washpipe.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1859		mud and bulk sys t -- mud supply	0	00:00	During drilling the 17 1/2" section, mudpump#2 had to be shut down due to washout in one of the suction valve seats. Drilling had to be halted as mud p ump #1 was being repaired due to breakdown the same day. Only mud pump #3 up and running which was not su
00:00	2146		mud and bulk sys t -- mud supply	0	00:00	Mudpumps 1 & 2 shut down.
00:00	2486		hoisting equ -- to p drive	0	00:00	Leakage on TDS washpipe

Drilling Fluid

Sample Time	04:30	10:35	16:30	22:30
Sample Point	Active pit	Active pit	Active pit	Active pit
Sample Depth mMD	2150	2460	2485	2485
Fluid Type	HPWBM	HPWBM	HPWBM	HPWBM
Fluid Density (g/cm3)	1.35	1.35	1.35	1.35
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)	31	33	33	33
Yield point (Pa)	11.5	10.5	11.5	12.5
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	2486		1.05	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2412.6	2330.3	15.33	142.93	
2454.3	2370.4	17.21	135.97	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2484	2399	Lista Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2420	2460	2337.7	2375.7		Homogenous claystone