Summary report

Wellbore: 15/9-F-14 **Period: 2008-05-22 00:00 - 2008-05-23 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	37
Days Ahead/Behind (+/-):	
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 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:	2008-06-15

Dist Drilled (m):	307
Penetration rate (m/h):	-999.99
Hole Dia (in):	12.25
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.74
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2591
Depth mTVD:	2576
Plug Back Depth mMD:	
Depth at formation strength mMD:	2284
Depth At Formation Strength mTVD:	2281
Depth At Last Casing mMD:	2275.4
Depth At Last Casing mTVD:	2274.1

Summary of activities (24 Hours)

Drilled 12 1/4" hole section from 2284 m to 2666 m with limited ROP due to problems with MWD signal decoding.

Summary of planned activities (24 Hours)

Drill 12 1/4" hole section from 2666 m to TD. Circulate hole clean and drop gyro. POOH.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:45	2268	formation evaluation -- rft/fit	ok	Bled back after XLOT cycle #2. Pumped 1770 l and bled back 1150 l. Observed pressure bulid up for 15 min after bleed off. Meanwhile had toolbox talk prior to mud displacement.
00:45	03:30	2284	drilling -- circulating conditioning	ok	Lined up for mud displacement. Pumped 8 m3 WBM spacer and 10 m3 hv-vis OBM spacer. Tripped in to TD at 2284 m MD. Pumped 200 m3 og 1,30 sg OBM at 3000 lpm / SPP 170 bar. Decreased pump rate to 1000 lpm / SPP 25 bar towards end of displacement. Took WBM back to pits and separated treatable and non-treatable interface.
03:30	04:45	2268	drilling -- circulating conditioning	ok	Established closed circulation system. Opened for shakers. Filled poor-boy and sand traps. Filled trip tanks.
04:45	05:15	2220	drilling -- drill	ok	Racked back 1 stand. Picked up single and made up to stand #51.
05:15	06:00	2280	drilling -- drill	ok	RIH to 2280 m MD and attempted to establish drilling parameters. Pumped at 3000 lpm but got overflow on shakers. Cut back rate to 1700 lpm to be able to handle flow. Stepped up rate to 3000 lpm as dictated by flow on shakers.
06:00	07:00	2289	drilling -- drill	ok	Drilled 12 1/4" hole section from 2284 m to 2289 m MD. Drilling parameters : Flow 3500 lpm / SPP 232 bar / String RPM 44 / Bit RPM 144/ WOB 2-3 MT / Torque 7-8 kNm / ECD 1,32 / ROP 20 m/hr. Experienced problems with MWD signal.
07:00	07:30	2289	interruption -- repair	ok	Trouble-shoot MWD signal. Meanwhile drilled ahead 1 m of 12 1/4" hole.
07:30	08:30	2299	drilling -- drill	ok	Drilled 12 1/4" hole section from 2290 m to 2299 m MD. Drilling parameters : Flow 3500 lpm / SPP 232 bar / String RPM 44 / Bit RPM 144 / WOB 2-3 MT / Torque 7-8 kNm / ECD 1,32 / ROP 20 m/hr. Experienced problems with FWD PRS.
08:30	09:30	2299	interruption -- other	ok	Re-booted software on FWD PRS. Meanwhile circulated with 3000 lpm / 10 rpm and reamed up/down 20 m.
09:30	19:00	2460	drilling -- drill	ok	Drilled 12 1/4" hole section from 2299 m to 2460 m MD. Drilling parameters : Flow 3500 lpm / SPP 232-238 bar / String RPM 120-140 / Bit RPM 220-240 / WOB 3-8 MT / Torque 6-13 kNm / ECD 1,32 / Drilled with limited ROP 20-30 m/hr due to problems with MWD sinal decoding.
19:00	00:00	2591	drilling -- drill	ok	Drilled 12 1/4" hole section from 2460 m to 2591 m MD. Drilling parameters : Flow 3500 lpm / SPP 238-249 bar / String RPM 140 / Bit RPM 240 / WOB 3-8 MT / Torque 6-13 kNm / ECD 1,32-1,33 / ROP 30-50 m/hr. Hard stringers encountered at 2518-2519 m and 2565-2568 m MD. Meanwhile inspected CRI hose using ROV.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	2299		drill floor -- drilling control	0	00:00	Software had to be re-booted to function properly on FWD PRS.

Drilling Fluid

Sample Time	05:00	10:00	16:45	22:30
Sample Point	Active pit	Flowline	Flowline	Active pit
Sample Depth mMD	2284	2303	2417	2547
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.3	1.3	1.3	1.3
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)	23	25	24	23
Yield point (Pa)	6.5	8.5	10	10.5
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT (degC)	120	120	120	120
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2666		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2307.3	2305.4	8.87	23.3	
2343	2340.6	10.85	28.36	
2383.3	2380.1	13.12	29.73	
2424.3	2419.8	15.71	30.19	
2464.6	2458.3	17.84	34.46	
2505.1	2496.6	20.44	44.86	
2545.5	2533.9	25	52.09	
2586	2569.9	29.41	57.69	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2331	2329	Sele Fm
2395	2392	Lista Fm
2472	2466	Ty Fm
2608	2589	Ekofisk Fm
2629	2606	Tor Fm