Summary report

Wellbore: 15/9-F-12 **Period: 2007-08-23 00:00 - 2007-08-24 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	72
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):	300
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.6
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3457
Depth mTVD:	3068.4
Plug Back Depth mMD:	
Depth at formation strength mMD:	3116
Depth At Formation Strength mTVD:	2863
Depth At Last Casing mMD:	3113
Depth At Last Casing mTVD:	2865.6

Summary of activities (24 Hours)

Drilled 8½" hole from 3200 m to 3520 m. Wash pipe started leaking at 3480m. Replaced same. Continued drilling to TD at 3520 m. Commenced circulating well clean

Summary of planned activities (24 Hours)

Circulate well clean. Take pressure points. POOH with 8½" drill assy. Rig up to RIH w/ 7" liner.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	3200	drilling -- drill	ok	Continued drilling 8½" hole from 3157 m to 3200 m . Parameters: 2000-2200 lpm, 210-211 bar SPP 60-130 rpm, 13-22 KNm, 1-5 MT WOB, 6-10 m/hr ROP, 1.46 ECD.
06:00	00:00	3457	drilling -- drill	ok	Continued drilling 8½" hole from 3200 m to 3457 m . Parameters: 2200 lpm, 208-215 bars SPP 130-140 rpm, 17-23 KNm, 3-8 MT WOB, 15-28 m/hr ROP, 1.46-1.47 ECD.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1586		pipe handling equ syst -- other	0	00:00	RIH w/ 8½" BHA on 5" DP. Changed out surface handling equipment to run w/ 5½" DP. Trouble shot PS-21 slips, could not rectify problem in table, changed out slips to PS-30 slips.
00:00	3480		hoisting equ -- top drive	0	00:00	Drilling 8½" hole @3480m. Wash pipe, washed out pulled 1 stand up to 3441m and installed a pump in sub, established circulation at 1 900 lpm had good returns over the shackers with cuttings. Held tool box talk prior to change out wash pipe. Commenced cha

Drilling Fluid

Sample Time	05:00	12:00	16:00	23:00
Sample Point	Active pit	Active pit	Active pit	Active pit
Sample Depth mMD	3185	3230	3280	3440
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.4	1.4	1.4	1.4
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)	29	28	28	29
Yield point (Pa)	10.5	10.5	10.5	11
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	3114		1.29	estimated
00:00	3520		1.14	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3216.4	2924.1	53.72	101.3	
3257.1	2948.4	53.2	103.39	
3297.4	2972.5	53.67	105.77	
3337.6	2996.5	52.96	107.03	
3375.4	3019.3	52.87	106.59	
3416.6	3044.1	53	107.02	
3456.2	3068	52.83	106.74	
3495.5	3091.8	52.73	105.59	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3280.5	2962.5	Sleipner Fm
3338	2996.9	Skagerak Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3183	3280.5	2904.5	2962.5		Sandstone grading to siltstone with minor limestone and coa l
3280.5	3338	2962.5	2996.1		Sandstones with thin claystones
3338	3499	2996.1	3093.9		Sandstone/siltstone with Claystone

Gas Reading Information

Time	Class	Depth to Top mMD	Depth to Bottom MD	Depth to Top mTVD	Depth to Bottom TVD	Highest Gas (%)	Lowest Gas ()	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas pea k	3231		2933.1		4.58		33671	2327	1052	84	63
00:00	drilling gas pea k	3239		3937.9		4.96		36184	2532	1164	94	68
00:00	drilling gas pea k	3246		2942.1		5.17		37529	2719	1244	100	72
00:00	drilling gas pea k	3275		2953.3		4.06		30593	2231	1041	86	68