Summary report

Wellbore: 15/9-F-11 A **Period: 2013-05-20 00:00 - 2013-05-21 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	6
Days Ahead/Behind (+/-):	3.2
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2013-03-07 17:30
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2013-05-28

Dist Drilled (m):	447
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.65
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3749
Depth mTVD:	3117
Plug Back Depth mMD:	
Depth at formation strength mMD:	2574
Depth At Formation Strength mTVD:	2442
Depth At Last Casing mMD:	2570.7
Depth At Last Casing mTVD:	2442

Summary of activities (24 Hours)

Drilled and oriented 8 1/2" hole from 3376 m MD to 3749 m MD.

Summary of planned activities (24 Hours)

Drill 8 1/2" hole to TD at 3762 meter.
Record pressure points.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	10:30	3561	drilling -- drill	ok	Drilled and oriented 8 1/2" hole from 3376 m MD to 3561m MD with 2290 liter/min, 181-185 bar, 180 rpm, 16-19 kNm, WOB 2-7 MT, 1.39-1,45 sg ECD. Average ROP: 18 m/hr. At 3380 meter commenced weighing up mud system from 1,28 sg to 1,32 sg. At 05:00 hrs. restricted ROP to 15 meter/hr due to increase in ECD. Top Hugin formation at 3561 meter.
10:30	15:30	3646	drilling -- drill	ok	Drilled and oriented 8 1/2" hole from 3561 m MD to 3646 m MD with 2290 liter/min, 185-189 bar, 180 rpm, 16-19 kNm, WOB 6-11 MT, 1.42-1,43 sg ECD . Average ROP: 17 m/hr. TDS not able to maintain rpm due to loss of power.
15:30	16:00	3646	interruption -- other	ok	Worked with solving TDS power loss problem.
16:00	00:00	3749	drilling -- drill	ok	Drilled and oriented 8 1/2" hole from 3646 m MD to 3749 m MD with 2290 liter/min, 189-191 bar, 180 rpm, 17-21 kNm, WOB 6-13 MT, 1.42-1,43 sg ECD . Average ROP: 13 m/hr. Experienced drilling braek at 3647 meter. Performed flow check for 15 minutes, well stable.

Drilling Fluid

Sample Time	02:30	10:00	10:30	16:00	20:00
Sample Point	Flowline	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	3762	3762	3563	3648	3695
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32	1.32	1.32	1.32
Funnel Visc (s)	-999.99	-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)	36	35	38	37	35
Yield point (Pa)	13	13	12.5	12.5	12.5
Filtration tests					
Pm filtrate ()					
Filtrate Lthp ()					
Filtrate Hthp ()					
Cake thickn API ()					

Cake thickn HPHT ()					
Test Temp HPHT (degC)	120	120	120	120	120
Comment					

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2624		.87	estimated
00:00	3526		1.29	estimated
00:00	3762		1.02	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3490.7	2920	44.78	38.77	
3531.1	2949.7	40.65	38.36	
3571.7	2980.7	39.98	38.78	
3611.1	3010.8	40	39.49	
3652.3	3042.4	40.03	39.03	
3692.3	3073.1	39.89	38.16	
3732.8	3104.1	39.93	38.19	
3749.1	3116.6	39.98	38.48	
3762	3126.5	40	38.7	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3474	2909	Åsgard Fm
3526	2946	Draupne Fm
3575	2983	Heather Fm.
3595	2999	Hugin Fm
3712	3089	Sleipner Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth TVD	Shows Description	Lithology Description
3420	3470	2873.5			Limestone
3470	3526				Limestone/Marl
3526	3589				Claystone
3589	3712				Sandstone interbedded with minor Claystone and Siltstone
3712	3762				Silty Sandstone interbedded with minor 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 peak	3499		2925.4		.09		756	23	6	0	0
00:00	drilling gas peak	3549		2962.6		1.81		17722	737	182	12	5
00:00	drilling gas peak	3603		3003.9		2.84		28228	1433	523	37	18
00:00	drilling gas peak	3623		3019.2		2.91		28739	1462	543	39	20
00:00	drilling gas peak	3636		3029.1		2.97		29302	1534	593	44	24
00:00	drilling gas peak	3646		3036.8		2.09		19078	1052	429	33	19
00:00	drilling gas peak	3659		3046.8		2.87		27731	1435	582	46	27
00:00	drilling gas peak	3681		3064.4		3.15		30264	1549	607	46	27
00:00	drilling gas peak	3693		3072.8		2.94		27706	1499	624	50	31