Summary report

Wellbore: 15/9-F-11 T2 **Period: 2013-05-01 00:00 - 2013-05-02 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	57
Days Ahead/Behind (+/-):	
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:	2013-05-09

Dist Drilled (m):	321
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:	3835
Depth mTVD:	2822.7
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 3514m MD to 3835m MD.

Summary of planned activities (24 Hours)

Drill and orient 8 1/2" hole to TD at approximately 4551m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	3576	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3514 m to 3576 m with 2200 lpm, 185 bar, 180 rpm, 18-22 kNm, WOB 3-5 MT, ECD 1.37 sg. Average ROP: 10 m/hr.
06:00	11:30	3673	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3576 m to 3673 m with 2500 lpm, 227-230 bar, 180 rpm, 15-24 kNm, WOB 7-10 MT, ECD 1.37-1.40 sg. Average ROP: 17.6 m/hr
11:30	15:00	3714	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3673 m to 3714 m with 2500 lpm, 225-228 bar, 180 rpm, 18-20 kNm, WOB 4-6 MT, ECD 1.37-1.40 sg. Average ROP: 11.7 m/hr Drilled with controlled ROP due to lack of surface space for cuttings. Backloaded cuttings at 15:00.
15:00	17:45	3754	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3714 m to 3754 m with 2000-2500 lpm, 153-228 bar, 180 rpm, 17-26 kNm, WOB 7-10 MT, ECD 1.39-1.40 sg. Average ROP: 14.5 m/hr Reamed one double due to erratic torque readings and fluctuations in pump pressure. Decreased pump rate to 2000 lpm due to minor losses (1.6 m3 over 40 minutes).
17:45	18:00	3754	drilling -- drill	ok	Performed flow check for 15 minutes due to losses - lost 60 liters static (240 l pr hour).
18:00	21:30	3794	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3754 m to 3794 m with 2000 lpm, 156-160 bar, 180 rpm, 18-25 kNm, WOB 6-8 MT, ECD 1.37-1.38 sg. Average ROP: 11.4 m/hr Increased background LCM to 150 kg / stand. Losses gradually decreased to zero.
21:30	00:00	3835	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3794 m to 3835 m with 2000-2350 lpm, 161-216bar, 180 rpm, 18-27 kNm, WOB 9-11 MT, ECD 1.38-1.40 sg. Average ROP: 16.4 m/hr

Drilling Fluid

Sample Time	03:45	08:45	13:30	20:30
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	3897	3660	3713	3791
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.28	1.28	1.28	1.28
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	28	40	31

Yield point (Pa)	11.5	8.5	6	9
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	2600		.78	estimated
00:00	3835		1.06	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3539.7	2759.7	80.45	68.61	
3580.4	2766.5	80.52	68.69	
3620.8	2773.2	80.28	69.23	
3661.3	2780	80.45	69.89	
3701.5	2786.6	80.51	69.86	
3741.5	2794.4	76.9	69.47	
3782	2805	73.01	68.86	
3822.5	2818	69.52	69.1	
3863.1	2833.7	64.95	69.14	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3514	3835	2754.4	2822.7		Predominantly limestone with slight traces of 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	3649		2777.9		.12		916	0	4	0	0
00:00	drilling gas peak	3736		2792.9		.11		880	2	3	0	0