Summary report

Wellbore: 15/9-F-11 B **Period: 2013-06-08 00:00 - 2013-06-09 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	12
Days Ahead/Behind (+/-):	3.3
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2013-05-28 14:30
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2013-06-12

Dist Drilled (m):	501
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:	3776
Depth mTVD:	2924
Plug Back Depth mMD:	
Depth at formation strength mMD:	3192
Depth At Formation Strength mTVD:	2780
Depth At Last Casing mMD:	3192.5
Depth At Last Casing mTVD:	2780.3

Summary of activities (24 Hours)

Drilled and orientated 8 1/2" hole from 3271 m to 3776 m.

Summary of planned activities (24 Hours)

Drill and orientate 8 1/2" hole

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	3345	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3271 m to 3345 m with 2400-2500 lpm, 215-225 bar, 1.54-1.56 sg EMW, 150-160 rpm, 13-19 kNm, WOB 6-10 MT, Average ROP 12 m/hr.
06:00	12:00	3481	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3345 m to 3481 m with 2500 lpm, 225-238 bar, 1.55-1.56 sg EMW, 160 rpm, 15-22 kNm, WOB 7-8 MT, Average ROP 23 m/hr. Top Hugin formation found at 3468 m.
12:00	18:00	3625	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3481 m to 3648 m with 2500 lpm, 231-238 bar, 1.55-1.56 sg EMW, 160 rpm, 17-22 kNm, WOB 5-7 MT, Average ROP 24 m/hr, Max gas 1.6 %
18:00	00:00	3776	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3648 m to 3776 m with 2500 lpm, 231-238 bar, 1.55-1.56 sg EMW, 160 rpm, 17-22 kNm, WOB 5-7 MT, Average ROP 25 m/hr, Max gas 1.6 %

Drilling Fluid

Sample Time	03:00	09:45	16:45	21:00
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	3840	3427	3600	3698
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32	1.32	1.32
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)	35	40	40	35
Yield point (Pa)	9	12	11	10
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	3200		1.11	estimated
00:00	3361		1.29	estimated
00:00	3776.1		1.19	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3318.2	2835.1	69.26	117.69	
3359.2	2849.3	70.23	118.16	
3399.6	2862.5	71.72	120.86	
3439.7	2875.2	71.3	125.12	
3480	2888	71.64	129.08	
3520.5	2899.9	74.08	127.5	
3561	2909.8	77.83	126.21	
3601.4	2917	81.46	124.48	
3641.3	2921.7	85.04	120.81	
3681.7	2923.9	88.67	119.75	
3721.9	2924.4	90.01	119.03	
3762.1	2924.7	89.09	118.41	
3802.4	2925.3	89.1	118.05	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3350	2846	Draupne Fm
3393	2860.3	Heather Fm
3468	2884.2	Hugin Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3271	3380	2816.6	2856.7		Predominantly varicolured limestone witg marl interbeds and traces of siltston e
3380	3420	2856.7	2868.8		Limestone and silstone with good traces of pyrite
3420	3460	2868.8	2881.6		Siltstone with increasing sandstone
3460	3776	2881.6	2924.3		Predominantlt sandstone with traces of limestone
3600	3610	0	0	Bright bluish yellow cut fluorescence, slow diffusing solvent su t	

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	3406		2865.1		.57		3185	228	106	28	0
00:00	drilling gas pea k	3478		2886.7		2.03		13045	966	547	0	0
00:00	drilling gas pea k	3518		2899.5		2.64		20777	1094	741	67	43
00:00	drilling gas pea k	3571		2911.7		2.07		11607	6735	168	44	43
00:00	drilling gas pea k	3691		2924.2		1.59		1051	256	12	9	8