

Summary report

Wellbore: 15/9-F-11 B

Period: 2013-06-09 00:00 - 2013-06-10 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	13
Days Ahead/Behind (+/-):	5.2
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):	365
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:	4141
Depth mTVD:	2155
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 3776 m to 4141 m

Summary of planned activities (24 Hours)

Drill 8 1/2" hole

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:45	3839	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3776 m to 3839 m with 2500 lpm, 235-238 bar, 1.56-1.57 sg EMW, 160 rpm, 17-22 kNm, WOB 5-7 MT, Average ROP 23 m/hr, Max gas 1.6 %
02:45	06:00	3852	drilling -- drill	ok	Reduced ROP to enable geosteering. Drilled and orientated 8 1/2" hole from 3839 m to 3852 m with 2500 lpm, 233-235 bar, 1.55-1.56 sg EMW, 160 rpm, 13-18 kNm, WOB 1-4 MT, Average ROP 4 m hr, Max gas 0.3 %
06:00	12:00	3919	drilling -- drill	ok	Reduced ROP to enable geosteering. Drilled and orientated 8 1/2" hole from 3852 m to 3919 m with 2500 lpm, 230 bar, 1.54-1.55 sg EMW, 160 rpm, 15-22 kNm, WOB 3-6 MT, Average ROP 11 m hr, Max gas 0.1 %
12:00	17:00	3977	drilling -- drill	ok	Reduced ROP to enable geosteering. Drilled and orientated 8 1/2" hole from 3919 m to 3980 m with 2500 lpm, 230 bar, 1.54-1.55 sg EMW, 160 rpm, 17-22 kNm, WOB 5-7 MT, Average ROP 12 m hr, Max gas 0.1 %
17:00	00:00	4141	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 3980 m to 4141 m with 2500 lpm, 235-238 bar, 1.56-1.57 sg EMW, 160 rpm, 17-22 kNm, WOB 5-7 MT, Average ROP 23 m hr, Max gas 1.6 %

Drilling Fluid

Sample Time	03:00	09:30	17:00	21:00
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	4218	3882	3973	4080
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	27	36	33
Yield point (Pa)	12.5	11	12.5	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	3200		1.11	estimated
00:00	3361		1.29	estimated
00:00	4141		1.18	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3842.7	2926.2	88.52	118.96	
3884	2928.9	83.95	113.21	
3924.5	2933.7	82.59	110.14	
3964.4	2939.7	80.05	106.19	
4004.8	2947.4	77.79	102.74	
4044.9	2956.9	75.06	100.14	
4085	2966.9	76.09	98.95	
4124.9	2976.1	77.05	97	
4165.4	2984.5	79.04	94.65	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3776	4141	2924.9	2980.2		Predominantly sandstone with variable amounts of limestone and siltstone

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	3773		2924.9		1.68		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	3781		2925.1		1.7		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	3902		2930.9		1.5		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	3931		2934.8		1.32		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	3962		2939		1.35		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	3994		2946.1		2.52		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	4028		2952.2		2.82		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	4075		2964.1		2.81		-999.99	-999.99	-999.99	-999.99	-999.99
00:00	drilling gas peak	4120		2973.6		2.19		-999.99	-999.99	-999.99	-999.99	-999.99