

Summary report

Wellbore: 15/9-F-11 T2

Period: 2013-05-03 00:00 - 2013-05-04 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	59
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):	302
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:	4464
Depth mTVD:	3303
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 4162m MD to 4464m MD.

Summary of planned activities (24 Hours)

None

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	4250	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4162m to 4250m with 2200 lpm, 209-211 bar, 180 rpm, 20-23 kNm, WOB 4-8 MT, ECD 1.45-1.46 sg. Average ROP: 15 m/hr.
06:00	08:00	4277	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4250m to 4277m with 2200 lpm, 212-213 bar, 180 rpm, 20-21 kNm, WOB 4-8 MT, ECD 1.46 sg. Average ROP: 13.5 m/hr.
08:00	08:15	4277	drilling -- drill	ok	Performed slow circulation rates.
08:15	16:00	4372	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4277m to 4372m with 2000-2200 lpm, 181-213 bar, 180 rpm, 19-23 kNm, WOB 2-5 MT, ECD 1.46 sg. Average ROP: 12.3 m/hr.
16:00	16:30	4380	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4351m to 4380m with 2350 lpm, 220-230 bar, 110 rpm, 21-22 kNm, WOB 5-6 MT, ECD 1.44 - 1.46 sg. Average ROP: 16 m hr. Intermittent problems with top drive causing decrease in RPM.
16:30	21:30	4446	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4380m to 4446m with 2350 lpm, 230-232 bar, 180 rpm, 18-23 kNm, WOB 4-6 MT, ECD 1.44 - 1.45 sg. Average ROP: 16.8 m/hr. Experienced occasional problems with top drive causing decrease in RPM.
21:30	00:00	4464	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4446m to 4464m with 2350 lpm, 230-232 bar, 140-180 rpm, 19-23 kNm, WOB 8-10 MT, ECD 1.44 - 1.45 sg. Average ROP: 7.2 m/hr. Occationally drilled with reduced RPM due to hard stringers.

Drilling Fluid

Sample Time	03:15	09:45	16:10	20:45
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	4502	4300	4380	4115
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)	36	37	32	33
Yield point (Pa)	10	9.5	10	10.5
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	4146		1.29	estimated
00:00	4464		1.1	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4185.2	3043.5	33	70.68	
4225.4	3077.9	28.91	69.74	
4265.4	3113.5	25.23	69.44	
4305.8	3150.7	20.59	71.45	
4346.1	3189	16.1	72.9	
4386.3	3227.8	13.88	71.6	
4426.9	3267.2	13.86	70.44	
4467.3	3306.5	13.84	69.45	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
4162	4350	3024	3192.5		Predominantly organic rich dark grey black claystone with traces of marl
4350	4390	3192.5	3231.1		Predominantly siltstone with traces of silty sandstone
4390	4464	3231.1	3303		Silty sandstone with minor siltstone
4411	4414	0	0	Oil show: br yelsh fluor, br wh solv cut, slw diff wh stks, wk crm br yelsh cut fluor, slow diff solv cut, tn br yel res mg	

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	4156		3018.8		1.05		9198	232	75	11	5
00:00	drilling gas peak	4163		3025.3		.75		6354	178	65	10	5
00:00	drilling gas peak	4174		3034.3		.74		6245	180	69	10	6
00:00	drilling gas peak	4187		3045		1.02		8712	258	108	16	9
00:00	drilling gas peak	4197		3053.6		1.21		10396	313	137	19	11
00:00	drilling gas peak	4234		3084.7		2.22		21077	318	119	15	10
00:00	drilling gas peak	4329		3171.8		.7		5703	223	98	9	8
00:00	drilling gas peak	4398		3239.2		1.55		12656	708	298	24	14
00:00	drilling gas peak	4420		3259.5		1.43		11684	687	281	22	13