

Summary report

Wellbore: 15/9-F-11 T2

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

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	60
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):	98
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:	4562.1
Depth mTVD:	3398.2
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 orientated 8 1/2" hole from 4464m to TD at 4562m.  
Circulated hole clean.  
Performed relogging of interval 4550m MD to 4480m MD.  
Performed pressure surveys at 4490m, 4468m, 4451m, 4417m and 4409m.

Summary of planned activities (24 Hours)

Pump out of hole with 8 1/2" bottom hole assembly with 1500 lpm from 4400m MD to 3600m MD.  
Pull out of hole with 8 1/2" bottom hole assembly and rack back / lay down same.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	08:45	4562	drilling -- drill	ok	Drilled and orientated 8 1/2" hole from 4464m to 4562m with 2350 lpm, 232-233 bar, 140-180 rpm, 19-23 kNm, WOB 8-10 MT, ECD 1.44 - 1.45 sg.  Average ROP: 11.6 m/hr.  Occasionally drilled with reduced RPM due to hard stringers.  TD reached at 4562m MD.
08:45	13:45	4562	drilling -- circulating conditioning	ok	Circulated hole clean with 2300 lpm and 232-233 bar and 130 rpm while reciprocating pipe.  Circulated 3 x bottoms up.
13:45	14:00	4562	drilling -- pressure detection	ok	Performed flow check for 15 minutes - lost 30 liters (120 l/hr).  Meanwhile: Performed prejob meeting prior to start relogging and pressure points.
14:00	21:30	4480	formation evaluation -- log	ok	Performed relogging of interval 4550m MD to 4480m MD with 2300 lpm, 236 bar, 60 rpm, 19-20 kNm, 1.45 sg ECD and 15 m/hr.  Calibrated depth offset to 1.2 m.
21:30	00:00	4409	drilling -- drill	ok	Ran in hole with 8 1/2" bottom hole assembly on 5 1/2" drill pipe from 4440m MD to 4490m MD. Performed pressure surveys using TestTrak at 4490m, 4468m, 4451m, 4417m and 4409m.

Drilling Fluid

Sample Time	02:00	09:15	13:30
Sample Point	Flowline	Flowline	Flowline
Sample Depth mMD	4563	4562	4562
Fluid Type	Enviromul Yellow	Enviromul Yellow	Enviromul Yellow
Fluid Density (g/cm3)	1.32	1.32	1.32
Funnel Visc (s)	-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	33	32
Yield point (Pa)	11.5	11	11.5
Filtration tests			
Pm filtrate (°)			

Filtrate Lthp ( )			
Filtrate Hthp ( )			
Cake thickn API ( )			
Cake thickn HPHT ( )			
Test Temp HPHT (degC)	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	4562		1.09	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
4507.9	3345.8	14.43	67.69	
4547.6	3384.3	14.42	63.56	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
4335	3178	Heather Fm
4393	3234	Hugin Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
4464	4562	3303	3398		Silty sandstone with minor 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	4499		3337.2		.52		4275	174	49	3	2
00:00	drilling gas peak	4507		3344.9		.35		2614	-999.99	40	0	2