

Summary report

Wellbore: 15/9-F-12

Period: 2007-06-28 00:00 - 2007-06-29 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	16
Days Ahead/Behind (+/-):	
Operator:	Statoil
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-03-15 00:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature (I):	
Pressure (I):	
Date Well Complete:	2007-08-26

Dist Drilled (m):	256
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.2
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	941
Depth mTVD:	941
Plug Back Depth mMD:	
Depth at formation strength mMD:	251
Depth At Formation Strength mTVD:	251
Depth At Last Casing mMD:	251
Depth At Last Casing mTVD:	251

Summary of activities (24 Hours)

Drilled 8 1/2" pilot hole from 780 m to 890 m. Displaced well to seawater and flow checked. Continued drilling 8 1/2" pilot hole from 890 m to 941 m pumping SW and hi-vis pills. Experienced high ECD readings. Reamed std, ran into fill with 10 MT WOB at 934 m. Displaced well to WBM.

Summary of planned activities (24 Hours)

Drill 8 1/2" pilot hole to TD using WBM.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	780	drilling -- drill	ok	Drilled 8 1/2" pilot hole from 685 m to 780 m, 2250 lpm/115 bar, 120 rpm/1-4 kNm, 1-3 MT wob, ECD 1.21-1.25 SG. Circulated and reamed one std every 3 hours due to high ECD reading of 1.27 SG. No loss observed.
06:00	13:30	870	drilling -- drill	ok	Drilled 8 1/2" pilot hole from 780 m to 870 m, 2250 lpm/117 bar, 120 rpm/1-3 kNm, 3-4 MT wob, ECD 1.25 SG.
13:30	14:00	870	drilling -- circulating conditioning	ok	Circulated hole clean prior to drilling through Utsira formation, 2250 lpm/113 bar, 120 rpm/1-3 kNm.
14:00	15:00	890	drilling -- drill	ok	Continue to drill 8 1/2" pilot hole from 870 m to 890 m, 2250 lpm/117 bar, 120 rpm/1-3 kNm, 0-6 MT wob, ECD 1.25 SG. Observed increasing WOB from 880 to 882 followed by no WOB from 882 m to 886 m.
15:00	16:00	890	drilling -- circulating conditioning	ok	Circulated hole clean, 2250 lpm/113 bar, 120 rpm/1-3 kNm.
16:00	18:30	890	drilling -- drill	ok	Function tested flowline isolation valve 5 times. Displaced well to seawater, 2250 lpm/102 bar, 100 rpm/1-3 kNm. Flow checked well and observed loss of 500 l/hr. Observed increase in leak rate on connector using seawater.
18:30	00:00	941	drilling -- drill	ok	Pumped 10 m3 hi-vis pill and started drilling 8 1/2" pilot hole from 890 m to 941 m 2250 lpm/105 bar, 120 rpm/1-3 kNm, 0-1 MT wob, ECD 1.12 - 1.20 SG . Pumped 10 m3 hi-vis pills according to program. Had to back-ream 1 std every 5-10 m due to high ECD readings. Meanwhile decided to displace well to WBM.

Drilling Fluid

Sample Time	03:00	10:00	16:00	22:00
Sample Point	Flowline	Flowline	Flowline	Flowline
Sample Depth mMD	730	800	890	930
Fluid Type	Spud Mud	Spud Mud	Spud Mud	Seawater
Fluid Density (g/cm3)	1.12	1.12	1.12	1.03
Funnel Visc (s)	63	68	58	-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)	8	6	6	-999.99
Yield point (Pa)	16	14	15.5	-999.99
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT ()				

Comment				
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Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	940		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1006.3	1006.3	.53	62.27	
1047.8	1047.8	.4	56.76	
1088.2	1088.2	.38	97.58	
1127.8	1127.8	.37	93.02	
926.5	926.5	.27	100.65	
965.8	965.8	1.05	104.59	

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
738	882.5	738	882.5		Claystone with minor sandstone and occasional siltstone interbeds
882.5	940	882.5	940		Sandstone with minor claystone and shell fragments

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	flow check gas	890		890		.86		10300	.5	.7	1	1
00:00	flow check gas	918		918		.9		9165	0	1	1	1
00:00	flow check gas	929		929		.87		9925	0	1	1	1