Summary report

Wellbore: 15/9-F-12 **Period: 2007-06-29 00:00 - 2007-06-30 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	17
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 ():	
Pressure ():	
Date Well Complete:	2007-08-26

Dist Drilled (m):	237
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity tes t
Formation strength (g/cm3):	1.2
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	1178
Depth mTVD:	1178
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 941 m to 1178 m. Had ESD shut-down. Waited on Geoservices to be able to read their sensors. Continued drilling 8 1/2" pilot hole from 1178 m to 1262 m.

Summary of planned activities (24 Hours)

Drill 8 1/2" pilot hole to TD using WBM. Circulate to clean well. Flow check well and displace to 1.40 sg 50 m into 30" conductor. POOH with BHA.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:00	941	drilling -- dr ill	ok	Prepared for connection at 941 m and had 10 MT WOB at 934 m, 120 rpm. Slowed down to 30 rpm and re-ran in and got 5 MT WOB at 934 m (had 0-1 MT WOB while drilling this section). Pulled back to 910 m and circulated and swept 2 x 5m3 hi-vis pills. Took time-out to discuss further action. Meanwhile had boat delivering drillwater for mixing mud.
02:00	06:00	941	drilling -- dr ill	ok	Mixed 1.08 sg mud and displaced well to same, 2250 lpm/105 bar, 30 rpm/1-3 kNm.
06:00	20:00	1178	drilling -- dr ill	ok	Drilled 8 1/2" pilot hole from 941 m to 1178 m, 2250 lpm/111 bar, 120 rpm/1-5 kNm, 1-2 MT wob, ECD 1.14-1.20 SG. Reamed each stand. Took weight at 978 m, 1027 m, 1040 m and 10 60 m, while reaming. Worked through tight spots and continued drilling. Observed max gas reading of 0.6%. Stringer at 1002-1003 m.
20:00	21:00	1178	interruption -- other	ok	Rig ESD system had shut-down. Managed to rotate string 10 rpm and pump 200 lpm with cement unit.
21:00	22:00	1178	interruption -- other	ok	Reamed 1 std and circulated btms up, 2250 lpm/101 bar, 125 rpm/1-5 kNm. Lost 2 m3/hr over shakers due to high amount of cuttings.
22:00	00:00	1178	interruption -- repair	ok	Waiting on Geoservices to have their sensors reading data. Meanwhile reamed and circulated 2250 lpm/101 bar.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	225		miscellaneous eq u syst -- other	0	00:00	Raw water pumpe failed and left rig with only 1 out of 3 pumpes available. Due to the criticality of the pumpe delivering firewater, cooling water etc the drilling operation is postphoned until the pump is replaced. A new pumpe will arrive by boat schedule
00:00	578		well control equ s yst -- diverter	0	00:00	Flowline isolation valve was locked in closed position.
00:00	1178		service equ -- mu d logging equ	0	00:00	Geoservices were not able to read teir sensors.
00:00	1178		miscellaneous eq u syst -- other	0	00:00	Noen hadde glemt å sette ESD systemet i "override" under en nedlasting av software for prosessanleggets fire/gas-node. Dette førte til en ESD 2.0 n edstengning for hele riggen.

Drilling Fluid

Sample Time	00:00	10:00	15:00	22:00
Sample Point		Flowline	Flowline	Flowline
Sample Depth mMD	-999.99	990	1060	1178
Fluid Type	CARBOSEA	Spud Mud	Spud Mud	Spud Mud
Fluid Density (g/cm3)	-999.99	1.12	1.13	1.1
Funnel Visc (s)	-999.99	50	57	65
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)	-999.99	6	5	7
Yield point (Pa)	-999.99	10.5	13.5	14.5
Filtration tests				
Pm filtrate ()				
Filtrate Lthp ()				
Filtrate Hthp ()				
Cake thickn API ()				
Cake thickn HPHT ()				
Test Temp HPHT ()				
Comment				

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	1262		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
1167.2	1167.2	.42	103.91	
1208.6	1208.6	.26	77.43	
1249.2	1249.1	.31	54.26	
1288.9	1288.8	.22	50.57	
1329.6	1329.5	.44	336	

Log Information

Run No	Service Company	Depth Top mMD	Depth Bottom mTVD	Tool	BHST (degC)
100	Schlumberger	261	1353	ARCVRES6 - VSONIC6 - VADN6 - TELESCOPE	-999.99

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
1065	1065	Hordaland Gp
1206	1206	Skade Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
940	1065	940	1065		Sandstone with minor claystone and shell fragments
1065	1206	1065	1206		Claystone with occasional sandstone interbeds
1206	1230	1206	1230		Sandstone with minor claystone

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	1099		1099		.37		4481	1	1	1	1
00:00	flow check gas	1196		1196		.26		3320	1	1	1	1