

Summary report

Wellbore: 15/9-F-12

Period: 2007-06-27 00:00 - 2007-06-28 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	15
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):	67
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:	685
Depth mTVD:	685
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)

Repaired flowline isolation valve. Drilled 8 1/2" pilot hole from 618 m to 780 mMD.

Summary of planned activities (24 Hours)

Drill 8 1/2" pilot hole from 780 m to top Utsira at approximately 900 m. Displace well to seawater. Flow check for 30 min. Drill 8 1/2" pilot hole from 900 m to TD. Flowcheck 15 min. Displace open hole section and approx. 70 m into 30" conductor to 1.40 sg WBM.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	251	interruption -- other	ok	Trouble-shooted and repaired flowline isolation valve. Meanwhile performed general housekeeping.
06:00	15:30	251	interruption -- other	ok	Repaired flowline isolation valve. Meanwhile performed general maintenance and housekeeping. Performed derrick inspection and monitored well on trip tank. Stable loss rate 170 l/hr (LPDR connector).
15:30	20:00	618	interruption -- other	ok	Washed down from 251 m to 618 m, 2250 lpm/109 bar. No fill.
20:00	20:30	618	drilling -- drill	ok	Had pre-job meeting with new night crew on shallow gas procedure and function tested flowline isolation valve 5 times.
20:30	00:00	685	drilling -- drill	ok	Drilled 8 1/2" pilot hole from 618 m to 685 m, 2250 lpm/114 bar, 120 rpm/1-3 kNm, 1-3 MT wob, ECD 1.21-1.24 SG. Observed losses, 3 m3/15 min at 655 m. Circulated with reduced flow, 1800 lpm. Increased flow rate to 2250 lpm and observed loss of 200 l/min. Total loss was 10 m3.

Drilling Fluid

Sample Time	16:00	20:30	23:30
Sample Point	Active pit	Flowline	Flowline
Sample Depth mMD	617	617	669
Fluid Type	Spud Mud	Spud Mud	Spud Mud
Fluid Density (g/cm3)	1.14	1.13	1.12
Funnel Visc (s)	60	65	63
Mf (I)			
Pm (I)			
Pm filtrate (I)			
Chloride (I)			
Calcium (I)			
Magnesium (I)			
Ph			
Excess Lime (I)			
Solids			
Sand (I)			
Water (I)			
Oil (I)			
Solids (I)			
Corrected solids (I)			
High gravity solids (I)			
Low gravity solids (I)			
Viscometer tests			
Plastic visc. (mPa.s)	6	5	5
Yield point (Pa)	13	19	17
Filtration tests			
Pm filtrate (I)			
Filtrate Lthp (I)			
Filtrate Hthp (I)			
Cake thickn API (I)			
Cake thickn HPHT (I)			
Test Temp HPHT (I)			
Comment			

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	780		1.03	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
154.9	154.9	.17	272.11	
166.3	166.3	.28	186.82	
183	183	.15	113.64	
195.2	195.2	.15	195.09	
207.4	207.4	.12	20.76	
222.5	222.5	.09	153.9	
235.7	235.7	.15	162.53	
280.6	280.6	.24	80.07	
320.9	320.9	.53	81.79	
360.3	360.3	.47	80.36	
400	400	.46	85.96	
440.8	440.7	.52	89.81	
481.6	481.6	.49	98.01	
522.6	522.5	.53	99.53	
563.4	563.4	.5	105.56	
598.9	598.9	.45	102.7	
642.3	642.3	.49	108.27	
683.7	683.7	.46	122.78	
723.3	723.2	.5	136.59	
764.5	764.4	.59	127.45	
805.3	805.3	.62	127.21	
845.4	845.3	.61	132.06	
885.9	885.8	.63	122.92	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
146	146	Nordland Gp
882.5	882.5	Utsira Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
600	738	600	738		Claystone with minor sand & siltstone interbeds

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 (l)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	IC5 (ppm)
00:00	drilling gas peak	719		719		.19		1951	154	12	10	0