

Summary report

Wellbore: 15/9-F-14

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	57
Days Ahead/Behind (+/-):	6
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Mærsk Contractors
Spud Date:	2007-11-04 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:	2008-06-15

Period: 2008-06-11 00:00 - 2008-06-12 00:00

Dist Drilled (m):	219
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.56
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2793
Depth mTVD:	2728.4
Plug Back Depth mMD:	
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	2783.5
Depth At Last Casing mTVD:	2728.3

Summary of activities (24 Hours)

Continued drilling 8½" hole from 2850m to 3070m. Increased MW from 1.30 SG to 1.35 SG. Prepared for taking pressure point with stethoscope.

Summary of planned activities (24 Hours)

Drill 8½" hole section from 3070m to 3300m.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	2850	drilling -- drill	ok	Continued to drill 8½" hole from 2793m to 2850m. Drilling parameters: Flow 1695 lpm / SPP 163-168 bar / String RPM 100 / WOB 9-12 MT / TQ 5-16 kNm / ROP 8-15 m/hour / ECD 1.391-1.401 SG / MUD weight 1.30 SG. Took survey at 2833m.
06:00	16:30	2932	drilling -- drill	ok	Continued drilling 8½" hole from 2850m to 2932m. Drilling parameters: Flow 1985-2080 lpm / SPP 165-180 bar / String RPM 100-160 / WOB 6-9 MT / TQ 7-15 kNm / ROP 8-18 m/hour / ECD 1.44-1.46 SG / MUD weight 1.30-1.35 SG. Took survey at connections. Increased MW from 1.30 SG to 1.35 SG.
16:30	16:45	2930	drilling -- other	ok	Took SCR. 1.35 SG OBM at 2930m. 665lpm 31 bars. 890lpm 43 bars.
16:45	19:00	2953	drilling -- drill	ok	Continued drilling 8½" hole from 2932m to 2953m. Drilling parameters: Flow 2050 lpm / SPP 180 bar / String RPM 160-170 / WOB 6-7 MT / TQ 9-14 kNm / ROP 8-15 m/hour / ECD 1.456-1.459 SG / MUD weight 1.35 SG.
19:00	00:00	3012	drilling -- drill	ok	Continued to drill 8½" hole from 2953m to 3012m. Reamed Draupne formation as per procedure. Drilling parameters: Flow 2050 lpm / SPP 160-180 bar / String RPM 170 / WOB 2-7 MT / TQ 9-11 kNm / ROP 8-26 m/hour / ECD 1.454-1.456 SG / MUD weight 1.35 SG.

Drilling Fluid

Sample Time	02:00	15:00	21:00
Sample Point	Flowline	Flowline	Flowline
Sample Depth mMD	2791	2910	2975
Fluid Type	OBM-Standard	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.31	1.35	1.35
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)	28	26	27
Yield point (Pa)	7	9.5	8.5
Filtration tests			
Pm filtrate ()			
Filtrate Ltsp ()			
Filtrate Htsp ()			
Cake thickn API ()			
Cake thickn HPHT ()			
Test Temp HPHT (degC)	120	120	120
Comment			

Core Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3070		1.04	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
2870.9	2791.2	49.28	59.12	
2911.5	2816.4	54.4	59.01	
2950.8	2837.6	60.08	58.76	
2991.5	2856.6	64.34	59.52	
3032.2	2873.4	66.85	65.62	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
2868	2788	Blodeks Fm
2903.6	2810.4	Hidra Fm
2913.9	2817.2	Rødby Fm
2926.4	2824.2	Asgard Fm
2978	2851	Draupne Fm
2991	2856.2	Heather Fm
3000.5	2862.3	Hugin Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
2830	2880	2763	2797		Limestone
2880	2978	2797	2850.5		Limestone grading to Marl
2978	2994	2850.5	2857.5		Carbonaceous claystone with minor limestone stringers
2994	3000.5	2857.5	2862.3		Siltstone with sandstone
3000	3066	0	0	Good SHOW: pchy (60-80%) mod-bri gn/yel/wh dir fluor, bri bri wh slo strmg and inst cut fluor, no vis cut, thin pl yel fluor res, nil-pl brn vis res	
3000.5	3070	2862.3	2888.1		Sandstone with minor siltstone and 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	drilling gas peak	3009		2862.3		7.27		46919	3691	1626	96	55
00:00	drilling gas peak	3057		2880.8		9.92		59700	4334	2015	145	84
00:00	drilling gas peak	3063		2884.4		9.15		58650	4720	2175	150	86