Summary report

Wellbore: 15/9-F-12 **Period: 2007-08-22 00:00 - 2007-08-23 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	71
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):	43
Penetration rate (m/h):	-999.99
Hole Dia (in):	8.5
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.6
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3157
Depth mTVD:	2864
Plug Back Depth mMD:	
Depth at formation strength mMD:	3116
Depth At Formation Strength mTVD:	2863
Depth At Last Casing mMD:	3113
Depth At Last Casing mTVD:	2865.6

Summary of activities (24 Hours)

Drilled out the shoe @ 3113.5m and 2m formation. Performed FIT to 1.6 SG EMW w/ 1.4 SG OBM, 56 bars. Drilled F/ 3116m T/3200m

Summary of planned activities (24 Hours)

Continue drilling 8½" hole F/3200 to TD

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	04:00	3038	drilling -- drill	ok	Continued RIH w/ 8½" BHA on 5" DP F/1646m T/3038m, filled pipe every 1000m.
04:00	04:30	3080	drilling -- drill	ok	M/U to TDS and washed F/3038m T/ 3080m.
04:30	05:00	3080	drilling -- drill	ok	Changed out PS-30 to manual master bushing.
05:00	05:15	3086	drilling -- drill	ok	Started to wash down, tagged TOC @ 3086m. Up/down weight 167/135 MT 162 static.
05:15	08:45	3114	drilling -- casing	ok	Commenced to drill out 9 5/8" shoe track F/ 3086m. 50rpm, 2200 lpm, 12-16 kNm, weight RIH 147 MT.
08:45	09:45	3116	drilling -- drill	ok	Drillied new formation from 3114 m to 3116 m with 60 rpm, 2000 lpm, max 20 kNm, SPP 180 bar.
09:45	12:30	3116	drilling -- circulating conditioning	ok	Circulated to condition the mud to 1.4 SG prior to perform FIT. 60rpm, 2200 lpm, 12-15 kNm, 180 bar.
12:30	14:15	3105	drilling -- circulating conditioning	ok	Lined up and pulled back into the shoe to 3105 m, closed annular. Performed FIT to 1.60 SG EMW, applied 56 bar to annulus and down DP w/ 1.40 SG OBM. Fluid pumped 780 ltr, fluid returned 740 ltr.
14:15	00:00	3157	drilling -- drill	ok	Drilled 8½" hole from 3116 m to 3157 m . Parameters: 2000-2200 lpm, 212 bar SPP 50-60 rpm, 13-19 KNm, 1-5 MT WOB, 2-6 m/hr ROP, 1.46 ECD.

Drilling Fluid

Sample Time	11:00	22:00
Sample Point	Active pit	Active pit
Sample Depth mMD	3116	3143
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.4	1.4
Funnel Visc (s)	-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)	30	29
Yield point (Pa)	9.5	10
Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT (degC)	120	120
Comment		

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3114		1.29	estimated
00:00	3200		1.14	estimated

Survey Station

Depth mMD	Depth mTVD	Inclination (dega)	Azimuth (dega)	Comment
3136.6	2877	53.7	95.71	
3172.5	2898.3	53.76	98.14	

Stratigraphic Information

Depth to Top of Formation mMD	Depth to Top of Formation mTVD	Description
3117.2	2865.5	Heather Fm
3126	2870.7	Hugin Fm

Lithology Information

Start Depth mMD	End Depth mMD	Start Depth mTVD	End Depth mTVD	Shows Description	Lithology Description
3114	3117	2863	2865.4		Massive Carbonaceous Claystones
3117	3126	2865.4	2870.7		Claystone, limestone and loose quartz
3126	3183	2870.7	2904.5		Sandstone with some siltstone and claystone. Also traces of limestone and coal

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	3174		2899.5		3.22		24056	1603	685	53	44