

## Summary report

Wellbore: 15/9-F-12

Period: 2007-08-27 00:00 - 2007-08-28 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	76
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):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
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:	3520
Depth mTVD:	3106.6
Plug Back Depth mMD:	
Depth at formation strength mMD:	3116
Depth At Formation Strength mTVD:	2863
Depth At Last Casing mMD:	3519
Depth At Last Casing mTVD:	3107.8

## Summary of activities (24 Hours)

Cemented 7" liner. Installed TSP packer. POOH with TSP packer running tool and L/O same. RIH and jet cleaned WH,riser and BOP. Started to RIH w/ well clean out assy.

## Summary of planned activities (24 Hours)

RIH with well clean out assy. Clean out well. POOH w/ clean assy, and L/O same.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	02:15	3480	drilling -- casing	ok	Continued RIH w/ 7" liner on 5½" DP from 3036m to 3480m, filling every 5th stand.
02:15	03:15	3520	drilling -- casing	ok	Established circulation @ 500 lpm 34 bars. Continued RIH washing down w/ 7" liner on 5½" DP from 3480m and tagged TD at 3520m. Down/up weight 144/187 MT.
03:15	03:30	3519	drilling -- casing	ok	Racked back one stand. Made up 3m + 2m pup joints.
03:30	04:00	3519	drilling -- casing	ok	Made up cement head and connected up to TDS. Ran and tagged bottom to verify TD at 3520m. Set down 3 MT. Picked to 1 meter to 3519m.
04:00	05:00	3519	drilling -- casing	ok	Circulated 1½ open hole volume @ 1330 lpm 75 bars. Held pre-cement job meeting. Pressure tested cement line to Lo-torque valve at cement head.
05:00	06:00	3519	drilling -- casing	ok	Dropped ball and commenced setting the liner hanger according to Weatherford procedure.
06:00	06:15	3519	drilling -- casing	ok	Completed installation of the 7" line hanger.
06:15	07:30	3519	drilling -- casing	ok	Circulated 1 bottoms up @ 2000 lpm, 151 bars, 20 rpm, 17-18 kNm.
07:30	09:45	3519	drilling -- casing	ok	Pumped 15 m³ of 1.65 SG Tuned Spacer E+ at 1500 lpm with the mud pumps. Closed Top Drive IBOP. Maintained 20 bar above IBOP. Dropped bottom DPD #1 dart, good indication with flag. Pumped 12.7 m³ 1.90 SG cement slurry at 800 lpm, rotating the string 20 rpm 16-19 kNm. Displaced cement line to rig floor w/ 890 l fresh water. Dropped DPD #2 dart for releasing wiper plug. Displace cement with 41.5 m³ (1893 strokes) OBM at 1500 lpm, 20 rpm string rotation. Had max 25 kNm . Wiper plug bumped @ 1 893 strokes, applied 170 bars to Wiper plug for verification. Bled off pressure and checked for backflow. No losses during the entire cement job.
09:45	10:00	3519	drilling -- casing	ok	Installed TSP packer according to Weatherford procedure. Up/down weight 175/140 MT
10:00	13:15	3519	drilling -- casing	ok	Circulated well clean w/ 1.4 SG OBM @ 1700-2200 lpm, 62-102 bars, total pumped 353m³. Had spacer and cement in returns.
13:15	13:30	3519	drilling -- casing	ok	Flow checked well. Well static. Meanwhile held tool box talk prior to L/O cement head.
13:30	14:45	2980	drilling -- casing	ok	Released running tool. L/O cement head pup joint and racked back one stand.
14:45	15:45	2980	drilling -- casing	ok	Installed 2 spong balls, made up string to TDS and pumped down the spong balls with 32m³ (string volume)
15:45	19:30	36	drilling -- casing	ok	Pumped slug of 1.6 SG OBM. POOH w/ 7" TSP packer running tool from 2980m to 36m.
19:30	20:15	0	drilling -- casing	ok	Removed PS-21 slips and installed master bushing. Continued POOH w/ TSP packer running tool and L/O same.
20:15	20:45	0	drilling -- casing	ok	Cleared & cleaned rig floor checked dies in AFT PRS.
20:45	21:00	0	drilling -- casing	ok	Held tool box talk prior pick BOP and WH clean out assy.
21:00	00:00	330	drilling -- pop/well head equipment	ok	M/U clean out assy, and RIH same to 330m. Positioned jet sub in WH at 138m and washed WH, Riser and BOP reciprocating the washing assy. across the specified areas. w/ 25 00 lpm, 52 bars and 30 rpm.

## Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	440		service equ -- wellhead tubular equ	0	00:00	Laid out 4 joints due to damaged threads and replaced w/ the 3 back-up.

## Drilling Fluid

Sample Time	22:00
Sample Point	Active pit
Sample Depth mMD	3519
Fluid Type	OBM-Standard
Fluid Density (g/cm3)	1.4
Funnel Visc (s)	-999.99
Mf ()	
Pm ()	
Pm filtrate ()	
Chloride ()	
Calcium ()	
Magnesium ()	
Ph	
Excess Lime ()	
Solids	
Sand ()	
Water ()	

<b>Oil ()</b>	
<b>Solids ()</b>	
<b>Corrected solids ()</b>	
<b>High gravity solids ()</b>	
<b>Low gravity solids ()</b>	
<b>Viscometer tests</b>	
<b>Plastic visc. (mPa.s)</b>	30
<b>Yield point (Pa)</b>	10.5
<b>Filtration tests</b>	
<b>Pm filtrate ()</b>	
<b>Filtrate Lt<sub>hp</sub> ()</b>	
<b>Filtrate Ht<sub>hp</sub> ()</b>	
<b>Cake thickn API ()</b>	
<b>Cake thickn HPHT ()</b>	
<b>Test Temp HPHT (degC)</b>	120
<b>Comment</b>	