

## Summary report

Wellbore: 15/9-F-14

Period: 2007-12-11 00:00 - 2007-12-12 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	19
Days Ahead/Behind (+/-):	
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

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	26
Pressure Test Type:	
Formation strength (g/cm3):	0
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	1083
Depth mTVD:	1082.5
Plug Back Depth mMD:	
Depth at formation strength mMD:	0
Depth At Formation Strength mTVD:	0
Depth At Last Casing mMD:	1076.9
Depth At Last Casing mTVD:	1076.5

## Summary of activities (24 Hours)

Continued installing DCI assembly on WH housing. RIH and land 20" casing. Circulate, pump and displace cement. Release CART and POOH. LD CART. Clear drill floor. Skidded rig to F-9.

## Summary of planned activities (24 Hours)

Continue operation on F-9.

## Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	934	drilling -- ca sing	ok	Continued RD csg tong and flush mounted elevators. Cleared rig floor.
01:00	01:45	953	drilling -- ca sing	ok	RIH with 18 3/4" WH housing/CART assembly from 934 m to 953 m.. Observed 20 MT drag. Circulated with 450 lpm / 30 bar and washed down.
01:45	03:30	965	drilling -- ca sing	ok	Removed gas sensor and section of grating on x-mas tree deck to enable safe passage of WH housing through deck. Continued RIH with 18 3/4" WH housing/CART assembly from 953 m to 965 m.
03:30	06:00	965	drilling -- ca sing	ok	Held tool box talk prior to installing DCI valve. Installed DCI frame on 18 3/4" WH housing working on scaffolding platform below WH module.
06:00	08:45	965	drilling -- ca sing	ok	Installed DCI frame on 18 3/4" WH housing working on scaffolding platform below WH module. Pressure tested DCI frame/ WH to 210 bar/ 5 min. Meanwhile held pre-job meeting for cement job.
08:45	11:00	1065	drilling -- ca sing	ok	Continued RIH with 20" casing on landing string from 965 m to 1065 m. Washed down last 10 m 440 lpm / 38 bar. Upweight 188 MT/ down weight 138 MT.
11:00	11:15	1077	drilling -- ca sing	ok	Landed 18 3/4" WH into 30" conductor by setting down casing string weight + 5 MT to engage lock ring. Performed 25 MT overpull test. Slacked off and kept landing string in tension by an overpull of 3 MT.
11:15	14:15	1077	drilling -- ca sing	ok	Established circulation in steps with SW to 2300 lpm. At 2000 lpm / 65 bar the returns broke through on well F-12. Reduced flow to 200 lpm / 27 bar and observed for 15 min. Continued circulating 320 m3 of SW at 2300 lpm with returns on F-12. Kept landing string in tension by an overpull of 3 MT.
14:15	14:45	1077	drilling -- ca sing	ok	Lined up to pump from cement unit. Pressurized TDS to 31 bar and tested line up. Released 1 3/4" preloaded ball for bottom wiper plug.
14:45	18:45	1077	drilling -- ca sing	ok	Mixed and pumped 242 m3 1.52 sg lead slurry at 1180 lpm / 20 bar.
18:45	19:30	1077	drilling -- ca sing	ok	Mixed and pumped 20 m3 1.92 sg tail slurry at 800 lpm / 16-20 bar.
19:30	19:45	1077	drilling -- ca sing	ok	Released top dart. Displaced and sheared sub sea wiper plug by pumping 3 m3 SW with cement unit at 1100 lpm / 11 bar. Top plug sheared after 880 ltrs / 190 bar.
19:45	20:30	1077	drilling -- ca sing	ok	Zeroed counters for mud pumps and lined up to displace cement with SW using mud pumps. Displaced cement with SW at 3000 lpm. Slowed down to 1400 lpm after 7157 stks (156.95 m3). FCP was 48 bar. Bumped plug after 7230 strokes with 93 bar. Last 20 min of displacement the returns came up F-14 and no flow was observed on F-12.
20:30	21:15	1077	drilling -- ca sing	ok	Bled of pressure and checked for backflow to cement unit. Volume bled back was 1100 ltr. Disconnected cement hose after pressure had been bled off.
21:15	21:30	140	drilling -- ca sing	ok	Reduced overpull on landing string to neutral. Released CART by 5 right hand turns and observed wellhead with ROV. Pulled above top of wellhead.
21:30	23:00	0	drilling -- ca sing	ok	Pumped 2 sponge balls and flushed landing string with SW. POOH with 18 3/4" CART from 140 m to surface. LO same.
23:00	00:00	0	drilling -- ca sing	ok	LO cement head. Prepared for skidding to F-9. Operation transferred to F-9.

## Drilling Fluid

Sample Time	21:00
Sample Point	Reserve pit
Sample Depth mMD	-999.99
Fluid Type	Spud Mud
Fluid Density (g/cm3)	1.05
Funnel Visc (s)	120
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>	-999.99
<b>Yield point (Pa)</b>	-999.99
<b>Filtration tests</b>	
<b>Pm filtrate ()</b>	
<b>Filtrate Lthp ()</b>	
<b>Filtrate Hthp ()</b>	
<b>Cake thickn API ()</b>	
<b>Cake thickn HPHT ()</b>	
<b>Test Temp HPHT ()</b>	
<b>Comment</b>	

#### Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	1083		1.03	estimated

#### Casing Liner Tubing

<b>Start Time</b>	
<b>End Time</b>	
<b>Type of Pipe</b>	Casing
<b>Casing Type</b>	
<b>Outside diameter (in)</b>	20
<b>Inside diameter (in)</b>	18.73
<b>Weight (lbm/ft)</b>	133
<b>Grade</b>	N-80
<b>Connection</b>	AntaresER
<b>Length (m)</b>	938
<b>Top mMD</b>	138.9
<b>Bottom mMD</b>	1076.9
<b>Description</b>	
<b>Comment</b>	