

## Summary report

Wellbore: 15/9-F-10

Period: 2009-05-03 00:00 - 2009-05-04 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	28
Days Ahead/Behind (+/-):	7
Operator:	StatoilHydro
Rig Name:	MÆRSK INSPIRER
Drilling contractor:	Maersk Drilling
Spud Date:	2009-04-06 06:00
Wellbore type:	
Elevation RKB-MSL (m):	54.9
Water depth MSL (m):	91
Tight well:	Y
HPHT:	Y
Temperature ():	
Pressure ():	
Date Well Complete:	2009-06-03

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	17.5
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:	2616
Depth mTVD:	2294
Plug Back Depth mMD:	
Depth at formation strength mMD:	1389
Depth At Formation Strength mTVD:	1331.7
Depth At Last Casing mMD:	2607.5
Depth At Last Casing mTVD:	2287.5

### Summary of activities (24 Hours)

M/U 13 3/8" casing hanger, washed down with casing string on 5 1/2" HWDP landing string. M/U cementing head and landed casing hanger. Performed casing cementing operations, set and leak tested seal assy. L/D cementing head.

### Summary of planned activities (24 Hours)

Retrieve casing landing string. Leak test BOP. Install WB and L/D 17 1/2" drilling BHA from derrick. Slip & cut drilling line. M/U 12 1/4" drilling BHA.

### Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	06:00	2462	drilling -- casing	ok	Washed 13 3/8" casing down from 2357 - 2462 m; 2500 lpm, 23 - 25 bar.
06:00	07:00	2462	drilling -- casing	ok	Circulated 13 3/8" casing at 2500 lpm / 23 bar. Meanwhile held pre-job safety meeting with involved personnel prior to R/D Tesco tool and M/U casing hanger.
07:00	08:00	2462	drilling -- casing	ok	R/D Tesco CDS tool and changed to 5 1/2" DP handling equipment.
08:00	08:15	2462	drilling -- casing	ok	M/U 13 3/8" casing hanger assy.
08:15	09:00	2462	drilling -- casing	ok	Removed FMS and installed master bushing. Meanwhile established circulation at 2000 lpm / 21 bar.
09:00	09:30	2471	drilling -- casing	ok	Washed down with 13 3/8" casing from 2462 - 2471 m at 2000 lpm / 21 bar.
09:30	09:45	2471	drilling -- casing	ok	R/D casing tong.
09:45	17:15	2603	drilling -- casing	ok	M/U first stand of 5 1/2" HWDP. Broke circulation and gradually increased pump rate to 2430 lpm / 34 - 46 bar. Washed down with 13 3/8" casing from 2471 - 2603 m on 5 1/2" HWDP landing string.
17:15	17:30	2603	drilling -- casing	ok	M/U cementing head.
17:30	19:30	2607.5	drilling -- casing	ok	Broke circulation and gradually increased pump rate to 2200 lpm / 44 bar. Washed down with 13 3/8" casing from 2603 - 2607.5 m, landed hanger and set down casing weight + 8 tons.
19:30	21:30	2607.5	drilling -- casing	ok	Circulated and conditioned mud prior to casing cementing job; broke circulation and gradually increased pump rate to 2960 lpm / 64 bar, circulated a total of 1.2 x casing volumes. Mud weights in/out = 1.51 sg, no losses seen. Meanwhile held pre-job safety meeting with involved personnel prior to cementing operations; reviewed check lists and relevant safety / operational issues.
21:30	22:00	2607.5	drilling -- casing	ok	Pumped 8 m3 of base oil, followed by 20 m3 of 1.60 sg Tuned spacer E+ with rig pumps at 1200 - 1550 lpm. Displaced spacer to rig floor with 3 m3 of 1.51 sg OBM. Lined up to pump from cement unit, verified surface routing - OK.
22:00	23:00	2607.5	drilling -- casing	ok	Released bottom dart. Mixed and pumped 28 m3 of 1.90 sg cement slurry with cement unit at 800 - 900 lpm. Displaced surface cementing lines with additional 1.5 m3 drill water. Lined up to pump 1.51 sg OBM with rig pumps.
23:00	00:00	2607.5	drilling -- casing	ok	Started to displace cement slurry in place with rig pumps at 2960 lpm / 47 bar. Unable to verify bottom wiper plug land / shear.

### Drilling Fluid

Sample Time	08:30	20:00
Sample Point	Active pit	Active pit
Sample Depth mMD	2616	2616
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.51	1.51
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 ()		

<b>Low gravity solids ()</b>		
<b>Viscometer tests</b>		
<b>Plastic visc. (mPa.s)</b>	38	44
<b>Yield point (Pa)</b>	13.5	11
<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 (degC)</b>	120	120
<b>Comment</b>		

#### Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2616		1.01	estimated

#### Casing Liner Tubing

<b>Start Time</b>	08:45
<b>End Time</b>	04:45
<b>Type of Pipe</b>	Casing
<b>Casing Type</b>	Intermediate
<b>Outside diameter (in)</b>	13.375
<b>Inside diameter (in)</b>	12.347
<b>Weight (lbm/ft)</b>	72
<b>Grade</b>	P-110
<b>Connection</b>	Varn TOP
<b>Length (m)</b>	2467.2
<b>Top mMD</b>	140.3
<b>Bottom mMD</b>	2607.5
<b>Description</b>	17 1/2" Drilling BHA
<b>Comment</b>	