

Summary report

Wellbore: 15/9-F-14

Period: 2008-05-27 00:00 - 2008-05-28 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	42
Days Ahead/Behind (+/-):	2.5
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 (kPa):	
Date Well Complete:	2008-06-15

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (in):	12.25
Pressure Test Type:	leak off test
Formation strength (g/cm3):	1.74
Dia Last Casing (in):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMD:	2788
Depth mTVD:	2728.4
Plug Back Depth mMD:	
Depth at formation strength mMD:	2284
Depth At Formation Strength mTVD:	2281
Depth At Last Casing mMD:	2783.5
Depth At Last Casing mTVD:	2728.3

Summary of activities (24 Hours)

Released and POOH with csg running string from 140.5 m to OOH. LD cmt head and PADRT. RIH to 140 m and attempted to install lock down sub. No go. POOH. MU and RIH with jet/flush tool to 140 m to clean top of 10 3/4" csg hanger area. Re-ran jet/was tool due to poor indication of landing on top of casing hanger. RIH at 40 m to made second attempt to install lock down sub.

Summary of planned activities (24 Hours)

Install lock down sub. POOH. MU, RIH and set RTTS at 300 m MD. Displace well to sea water above plug. Leak test RTTS. POOH with running tool and LD same. ND diverter and BOP.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:15	2783	drilling -- casing	ok	Continued circulating casing volume and bmts up at 1770 lpm / 53 bar loss free rate. Meanwhile held pre-job meeting for cmt job.
01:15	02:00	2783	drilling -- casing	ok	Pumped 30 m3 contaminated OBM, 5 m3 base oil and 19 m3 spacer at 1550-1770 lpm / 46-53 bar.
02:00	03:00	2783	drilling -- casing	ok	Verified correct line-up by holding and releasing 20 bar through low torque. Mixed and pumped 13.7 m3 1.90 sg cement slurry at 800 lpm / 31 bar.
03:00	04:45	2783	drilling -- casing	ok	Pumped 500 ltrs water, released dart and continued pumping 2500 ltrs water behind cement with cmt unit. Top wiper plug sheared at 170 bar. Zeroed stroke counters for mud pumps. Displaced and sheared btm wiper plug by pumping OBM at 1200 lpm using rig pumps. Continued displacing cement with 111.9 m3 OBM at 1770-1500 lpm using mud pumps. Wiper plug sheared at 114 bar / 4450 stks. Slowed down rate to 1000 lpm / 69 bar (FCP) approx 4 m3 prior to bump. Bumped plug with 138 bar after pumping 5080 strokes, which gives a pump efficiency of 96.5%. No losses during displacement.
04:45	06:00	2783	drilling -- casing	ok	Equalized pressure with cmt unit and opened lo-torque valve. Pressured up well to 345 bar / 15 min to test casing using cmt unit. Ok. 1250 ltrs pumped and got 1220 ltrs back. Bleed off from 345 bar to 138 bar and checked for back flow to cmt unit. Lined over to rig pumps and bled off from 138 bar to zero on stand pipe. Checked for back flow. Disconnected cmt hoses and flushed lines.
06:00	10:00	0	drilling -- casing	ok	Reduced weight on landing string from 5 mT to neutral and released PADPRT. LD cmt head std. Dropped sponge balls and flushed string using mud. POOH and LD PADPRT.
10:00	12:00	140	drilling -- casing	ok	PU and RIH with lock down sub from surface to 140 m. Landed lock down sub and made 4 1/4 turns CW, torque 1700 Nm with neutral weight. Toolstring dropped 7.7 inches. Attempted to set lock down sub. No go.
12:00	15:00	140	drilling -- casing	ok	1) Performed line test from cmt unit to HCR valve, 30/220 bar 5/10 min. Ok. 2) Pressured up to set lock down sub against closed top pipe ram. No go. 3) Checked for possible leaks in toolstring by opening IBOP and monitor gain in trip tank. No leak observed. 4) Pressured up to set lock down sub against closed btm pipe ram. No go. 5) Pulled lock down sub 1 m above landing no go. Flushed wellhead with 1100 lpm / 15 min. Landed lock down sub and made 4 1/4 turns CW, torque 1700 Nm with neutral weight. Toolstring dropped 8 inches. Attempted to set lock down sub. No go.
15:00	17:00	0	drilling -- casing	ok	POOH with lock down sub assembly from 140 m to OOH. Checked lock down sub and verified space out. Ok. LD lock down sub.
17:00	18:30	140	drilling -- casing	ok	PU and RIH with jet/flush tool from surface to 140 m. Landed out on 140.03 m.
18:30	20:00	140	drilling -- casing	ok	Jetted top of 10 3/4" csg hanger, 750 lpm / 42 bar / 3 rpm / 2 kNm.
20:00	21:30	0	drilling -- casing	ok	POOH with jet/flush tool from 140 m to OOH. Inspected jetting tool and found indication that tool had not landed out on 10 3/4" csg hanger.
21:30	22:00	140	drilling -- casing	ok	RIH with jet/flush tool from surface to 140 m.
22:00	23:45	139	drilling -- casing	ok	Landed out with jet/flush tool on 10 3/4" csg hanger with 2 mT. PU and established circulation at 910 lpm / 49 bar / 3 rpm / 2 kNm. Tagged with 2 mT severral times to clean the CH area. PU 1 m and circulated bmts up at 930 lpm / 45 bar.
23:45	00:00	100	drilling -- casing	ok	POOH with jet/flush tool from 139 m to 100 m.

Drilling Fluid

Sample Time	16:00	21:00
Sample Point	Active pit	Active pit
Sample Depth mMD	2788	2788
Fluid Type	OBM-Standard	OBM-Standard
Fluid Density (g/cm3)	1.31	1.31
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)	21	22
Yield point (Pa)	9	8.5
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	2788		1.03	estimated