Summary report

Wellbore: 15/9-F-14 **Period: 2008-07-06 00:00 - 2008-07-07 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	82
Days Ahead/Behind (+/-):	13.5
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 ():	
Date Well Complete:	2008-06-15

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia ():	
Pressure Test Type:	formation integrity tes t
Formation strength (g/cm3):	1.56
Dia Last Casing ():	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3750
Depth mTVD:	3158.5
Plug Back Depth mMD:	
Depth at formation strength mMD:	2788
Depth At Formation Strength mTVD:	2728.4
Depth At Last Casing mMD:	3695
Depth At Last Casing mTVD:	3123.4

Summary of activities (24 Hours)

POOH with BHA #3 and confirm perforation. Bullheaded 17.2 m3 of baseoil into well. Inflow tested HMV to 20-5 bar/10 min. RU BHA #4. RIH from surface to 2500 m to perforated interval #3 on WL. POOH and changed faulty gun switches. RU BHA #5 to perforated interval #3 on WL and tractor.

Summary of planned activities (24 Hours)

RIH with BHA #5 to perforated interval #3 on WL and tractor. POOH. RIH with BHA #6 to perforated interval #4 on WL.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:15	0	workover -- rig up/down	ok	Bled down grease pressure and filled riser/lubricator with 250 ltrs of baseoil using cmt unit.
00:15	00:45	236	workover -- wire line	ok	Open HMV and SV (43 turns). Equalized and opened DHSV. RIH with BHA #3 to perforate interval #2 from surface to 236 m. Powered up logging unit with guns 70 m below seabed.
00:45	03:45	3120	workover -- wire line	ok	RIH with BHA #3 from 236 to 3157 m. PU 50 m every 500 m due to new cable. Ran carefully through DHSV and pulled back up to confirm that it was fully open. Up weigh 480kg / hanging weight 465 kg at 493 m MDRT. Weights while RIH was according to tension simulations. Correlated and adjusted depth by 1 m before starting tractor.
03:45	04:15	3400	workover -- wire line	ok	Powered up WL tractor and continued RIH with BHA #3 to perforate interval #2 from 3157 to 3400 m. Running speed 12 m/min.
04:15	06:00	3400	workover -- perforate	ok	Performed correlation log from 3400 m to 2975 m using CCL. Powered up WL tractor and ran back down to 3400 m. Fired guns and perforated interval #2, from 3312 - 3321.2 m MDRT. Good indication of firing on DHPG.
06:00	08:45	250	workover -- wire line	ok	POOH with BHA #3 from 3309.7 m to 250 m. Powered down logging unit with guns 70 m below seabed. Closed DHSV, HMV and SV.
08:45	09:45	0	workover -- wire line	ok	Broke lubricator at in-situ sub and LD toolstring.
09:45	11:45	0	workover -- wire line	ok	Opened KWV and HMV and bullheaded 17.2 m3 baseoil at 137 lpm / 99.6 bar using cmt unit. Shut down pumps and observed pressure levelled out at 19 bar. Closed HMV. Bled down pressure above and inflow tested HMV. Ok. Meanwhile performed torture test on logging cable. Cut off 60 m of cable and rebuilt cable head.
11:45	14:00	0	workover -- rig up/down	ok	Continued building cable head and performed surface checks on Wellteck tractor.
14:00	15:30	0	workover -- rig up/down	ok	Continued to perform surface checks on Welltech tractor. Went through Schlumberger and Welltech checklists. Meanwhile installed test cap on lubricator. Opened KWV and pumped up to 19 bar above HMV using baseoil and cmt unit. Tested SV to 19 bar / 5 min. Opened HMV and read 19 bar WHP, 255 bar on DHPG. Displaced cmt line to 100% MEG at 50 lpm / 49 bar and got a final WHP of 20 bar. Closed HMV and bled off pressure to 5 bar above. Inflow tested HMV for 10 min. Ok. Bled off pressure above HMV and closed KWV and LT2.
15:30	16:45	0	workover -- rig up/down	ok	Continued to go through Schlumberger and Welltech checklists. Checked CCL and gun switches.
16:45	18:30	0	workover -- rig up/down	ok	Installed BHA #4 to perforate interval #3. Lowered orientating weight and 30 ft gun section into lower riser section and hung off in C-plate. Filled riser with 200 ltrs of Ramex. Connected and armed perforating guns according to Schlumberger procedure.
18:30	19:00	0	workover -- rig up/down	ok	Leak tested in-situ sub to 30/150 bar 5/10 min using Seawell pumpe and 100% MEG. Ok. Bled down grease pressure and filled riser/lubricator with 250 ltrs of 100% MEG using cmt unit.
19:00	19:45	0	workover -- wire line	ok	Performed time-out for safety with focus on dropped object. Pressured up to 20 bar and equalized pressure above HMV.Open HMV and SV (43 turns). Equalized and opened DHSV. RIH with BHA #4 to perforate interval #3 from surface to 235 m. Powered down logging unit with guns 70 m below seabed.
19:45	21:45	2500	workover -- wire line	ok	RIH with BHA #4 from 235 to 2500 m. PU 50 m every 500 m due to new cable. Ran carefully through DHSV and pulled back up to confirm that it was fully open. Weights while RIH was according to tension simulations. Schlumberger was unable to communicate with gun switches.
21:45	23:30	1500	interruption -- other	ok	Trouble shoot problem with gun switches. POOH with BHA #4 from 2500 m to 1500 m and re-tried to communicate with the switches, because they worked at this depth while RIH. Negative.
23:30	00:00	250	interruption -- other	ok	POOH with BHA #4 from 1500 m to 250 m. Powered down logging unit with guns 70 m below seabed.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	0		service equ -- other	0	00:00	WL winch would not start and the re-set handle for 380 V power supply had broken off. Machined and installed new re-set handle, but were still not able to start WL winch. Electrican opened ex-panel and found loose rele.
00:00	0		service equ -- electr logging equ	0	00:00	Schlumberger unit experienced power shut down and had to restart all systems.

Drilling Fluid

Sample Time	11:00
Sample Point	Reserve pit
Sample Depth mMD	3750

Fluid Type	OBM-Standard
Fluid Density (g/cm3)	1.37
Funnel Visc (s)	-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)	25
Yield point (Pa)	7.5
Filtration tests	
Pm filtrate ()	
Filtrate Lthp ()	
Filtrate Hthp ()	
Cake thickn API ()	
Cake thickn HPHT ()	
Test Temp HPHT (degC)	120
Comment	

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	3006		1.02	measured

Perforation Information

Time of Opening Well Perf	Time of Closing Well Perf	Top of Perf mMD	Bottom of Perf mMD	Top of Perf TVD	Bottom of Perf TVD
09:45	09:45	3312	3321.2		