

Summary report

Wellbore: 15/9-F-12

Period: 2008-01-13 00:00 - 2008-01-14 00:00

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	111
Days Ahead/Behind (+/-):	99.9
Operator:	StatoilHydro
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 (I):	
Pressure (I):	
Date Well Complete:	2007-08-26

Dist Drilled (m):	-999.99
Penetration rate (m/h):	-999.99
Hole Dia (I):	
Pressure Test Type:	formation integrity test
Formation strength (g/cm3):	1.6
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	3520
Depth mTVD:	3107.4
Plug Back Depth mMD:	3480
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)

POOH with cleaning string. Broke out and laid down 3 1/2" singles. Flushed C/K lines and manifold. Pulled bowl protector. Set 10 3/4" MS seal and tested same. Tested tie-back casing - negative - observed excessive pressure drop. Troubleshoot situation. Leak tested line up - ok. Pressurised well in stepwise manner and verified leak in tie-back string at around 200 bar. Started pressure test of 18 3/4" surface BOP.

Summary of planned activities (24 Hours)

Test BOP. Mobilize equipment for identifying leakage.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	00:30	2175	interruption -- other	ok	Broke off swedge on TDS. Held toolbox talk prior to continue pulling cleaning string.
00:30	01:30	1870	completion -- circulating conditioning	ok	POOH with cleaning assemblies on 5 1/2" DP from 2175 m to 1870 m MD. Used manual slips.
01:30	02:30	1870	completion -- circulating conditioning	ok	Held toolbox talk. Removed bowl and masterbushing. Inserted PS-30 slips dressed for 5" drillpipe. Attempted to run HTS to drillfloor, no-go due to lack of calibration. Broke out and laid down cleaning assy #4 with 10 3/4" scraper/magnet on deck. Observed swarf on magnet. Broke out singel and laid down on drillfloor.
02:30	03:00	1870	interruption -- other	ok	Calibrated HTS after ESD shut down.
03:00	06:00	735	completion -- circulating conditioning	ok	POOH with cleaning assemblies on 5" DP from 1870 m to 735 m MD.
06:00	07:00	440	completion -- circulating conditioning	ok	POOH with cleaning assemblies on 5 1/2" DP from 735 m to 440 m MD.
07:00	07:15	440	completion -- circulating conditioning	ok	Held toolbox talk prior to removing PS-30 slips. Observed falling object from derrick when attempting to lift out slips. Shackle and tag fell down on drillers cabin and deflected to drillfloor. Halted operation for investigation and derrick inspection.
07:15	08:00	440	interruption -- other	ok	Inspected crown and TDS. Found source of shackle and tag to be from swivel between chain and wire on tugger.
08:00	08:15	440	completion -- circulating conditioning	ok	Removed PS-30 slips from rotary and inserted master bushing.
08:15	09:00	417	completion -- circulating conditioning	ok	Racked back last stand and 5" drillpipe. Laid out 9 5/8" scraper assy and 7" top dress/polish mill. Observed swarf on magnet. Inspected top dress mill - ok. Found piece of metal jammed in polish mill.
09:00	09:45	417	completion -- circulating conditioning	ok	Held toolbox talk prior to changing handling gear. Changed from 5" to 3 1/2" handling equipment. Inserted PS-21 dressed for 3 1/2" pipe in rotary.
09:45	15:00	10	completion -- circulating conditioning	ok	POOH with cleaning assembly on 3 1/2" DP. Broke out and laid down 3 1/2" singles. Had problems to unlatch from pipe due to overgauge pipe close to couplings.
15:00	15:15	0	completion -- circulating conditioning	ok	Laid out 7" scraper assembly.
15:15	16:30	0	completion -- circulating conditioning	ok	Held toolbox talk. Picked up Vetco bowl protector retrieval tool and RIH with same. Closed annular and flushed choke and kill line and manifolds from SW to 1,03 packer fluid at 1500 lpm.
16:30	17:00	0	drilling -- casing	ok	RIH with retrieval tool and latched bowl protector at 20,1 m MD. POOH with tool and racked back stand.
17:00	17:15	0	drilling -- casing	ok	Held toolbox talk prior to setting 10 3/4" MS-seal.
17:15	18:30	0	drilling -- casing	ok	Made up seal assembly to running tool. Made up control lines to running tools.
18:30	19:30	0	drilling -- casing	ok	Ran MS-seal running tool and strapped control line to pipe. Landed MS seal over 10 3/4" hanger at 20,8 m MD. Pressured up lock ring energizing line to 1500 psi and locked tool to WH. Took 7 MT overpull and verified tool set. Pressured up thorough MS seal setting line to 4300 psi. Observed movement of string. Bled off pressure on control lines.
19:30	20:15	0	drilling -- casing	ok	Pressure tested MS seal through test ports 3 and 4 on wellhead to 345 bar/10 min - ok.
20:15	21:00	0	drilling -- casing	ok	Released MS setting tool with 5 turns clockwise rotations. POOH with MS seal setting tool. Laid out tool and cleared rigfloor.
21:00	22:15	0	drilling -- casing	ok	Held toolbox talk prior to leak testing surface tie back. Emptied SW on cement unit and filled tanks with drillwater. Verified B-annulus valves and test ports open. Lined up from cement unit to pump in kill line on BOP underneath shear ram. Pressurised line to 10 bar and opened HCR on BOP to verify line up. Closed shear ram.

22:15	23:15	0	drilling -- casing	ok	Performed low pressure test of surface tie-back to 30 bar. Pressure dropped from 30,8 bar to 30,6 bar over 5 min - ok. Volume pumped 245 liter. Pressured up from 30 bar to 345 bar at 200 lpm. Total volume pumped 2408 liter. Observed pressure decline from 345 to 312 bar over 10 minutes indicating a leakage rate of 21 l/min. Observed annulus which continued to flow after pressurising finished. Checked for leaks accross HCRs and shear ram - none observed. No increase in trip tank. Bled back pressure to zero. Recovered 2058 liter bled back volume. Check ed pressure curve and found possible/neglible deflection around 300 bar.
23:15	00:00	0	drilling -- casing	ok	Discussed situation. Meanwhile leak tested surface line to BOP to 345 bar / 10 min - ok.

Drilling Fluid

Sample Time	00:00
Sample Point	Reserve pit
Sample Depth mMD	-999.99
Fluid Type	Packer fluid
Fluid Density (g/cm3)	1.03
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)	-999.99
Yield point (Pa)	-999.99
Filtration tests	
Pm filtrate ()	
Filtrate Lthp ()	
Filtrate Hthp ()	
Cake thickn API ()	
Cake thickn HPHT ()	
Test Temp HPHT ()	
Comment	