

Summary report

Wellbore: 15/9-F-14

Period: 2008-05-19 00:00 - 2008-05-20 00:00

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	34
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 (I):	
Pressure (I):	
Date Well Complete:	2008-06-15

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):	1.38
Dia Last Casing (I):	

Depth at Kick Off mMD:	
Depth at Kick Off mTVD:	
Depth mMd:	2281
Depth mTVD:	2279.5
Plug Back Depth mMD:	2245
Depth at formation strength mMD:	1186
Depth At Formation Strength mTVD:	1186
Depth At Last Casing mMD:	2275.4
Depth At Last Casing mTVD:	2274.1

Summary of activities (24 Hours)

Attempted to release PADPRT - negative. Discussed situation with town. Pulled PADPRT free with 60 MT overpull. Cleaned riser and POOH with PADPRT. Ran wearbushing and cleaned wellhead. Attmpted to re-test MS seal against WBRRT - negative. POOH with WBRRT. Ran BOP test plug. Tested BOP and obtained good test on MS-seal.

Summary of planned activities (24 Hours)

Complete BOP test. POOH with BOP test plug. Make up 12 1/4" drilling BHA and RIH with same to 2400 m MD.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:30	2276	drilling -- casing	ok	Greased and operated valves on kill manifold and in moonpool. Changed valve #33 and #35 on cement unit. Greased valves on cement unit. Drained mud from cement unit and filled tanks with water.
01:30	02:00	2276	drilling -- casing	ok	Pressure tested cement unit against isolation valve. Obtained test to 345 bar with 1,3 bar drop / 10 min.
02:00	03:30	2276	drilling -- casing	ok	Tested kill line against valve in moonpool and K3 valve on kill manifold. Pressurized to 35 bar, dropped 0,5 bar / 5 min - ok. Pressurized to 345 bar, dropped 0,7 bar / 5 min - ok. Tested kill line against HCR valves. Pressurized to 35 bar, dropped 0,5 bar / 5 min - ok. Pressurized to 345 bar, dropped 1 bar / 5 min -ok.
03:30	04:00	2276	drilling -- casing	ok	Lined up to test MS-seal from above. Pressurized to 35 bar, dropped 0,6 bar 5 min - ok. Pressurized to 345 bar. Pressure dropped 0,7 bar / 5 min in the start but with gradually increasing fall off trend. Dropped 1,8 bar / 5 min towards the end of the test. Pumped and bled back 373 liter. Bled off pressure and discussed situation. Decided to re-attempt pressurizing MS seal with P ADPRT tool.
04:00	04:45	2276	drilling -- casing	ok	Re-sat PADPRT by applying 30 MT overpull. Pressurized to 207 bar to re-energize MS-seal. Held pressure for 10 min / 1,3 bar drop (0,5%). Slacked off overpull on PADPRT to relax bulk seal. Took 30 MT overpull to expose MS-seal.
04:45	05:30	2276	drilling -- casing	ok	Lined up to pressure test MS seal from above. Pressurized to 35 bar, pressure dropped 0,4 bar / 5 min - ok. Pressurized to 345 bar. Pressure dropped at 1,7 bar / 5 min in the beginning but improved towards the end of the test to 0,5 bar / 5 min. Last 10 min 1,1 bar drop (0,32%) - ok. Pumped and bled back 400 liter. Lost 20 MT on block while performing test.
05:30	06:00	2276	drilling -- casing	ok	Attempted to released PADPRT by slacking off weight and applying 4 righthand turns - nogo. Discussed situation.
06:00	07:45	2276	drilling -- casing	ok	Discussed way forward with regards to releasing PADPRT. Repeated PADPRT release procedure but got same negative result.
07:45	09:00	2276	drilling -- casing	ok	Awaited instructions for releasing PADPRT.
09:00	09:30	2276	drilling -- casing	ok	Reverted to emergency release procedure. Rotated string 13 times counterclockwise until torque build up of 10 000 Nm. Attempted to pull free with 40 MT overpull - nogo. Repeated emergency release procedure but got same negative result.
09:30	13:00	2276	drilling -- casing	ok	Awaited instructions for releasing PADPRT. Meeting ongoing with town.
13:00	13:15	2276	drilling -- casing	ok	Held toolbox talk for attempt to free PADPRT with straight pull release.
13:15	13:45	140	drilling -- casing	ok	Stepped up hookload. Released PADPRT with 60 MT overpull. Observed 30 MT continuous drag after release.
13:45	14:30	140	drilling -- casing	ok	Staged up pumps to 2650 lpm / SPP 25 bar. Circulated riser clean. Got fines over shakers.
14:30	14:45	137	drilling -- casing	ok	Broke out and laid down cement head.
14:45	16:00	0	drilling -- casing	ok	POOH with PADPRT on 5 1/2" HWDP from 137 m MD to surface. Laid out PADPRT. Found tool cavities packed with cuttings.
16:00	16:15	0	drilling -- casing	ok	Held toolbox talk prior to running wearbushing.
16:15	16:45	0	drilling -- casing	ok	Made up jet sub and testable WBRRT.
16:45	17:15	136	drilling -- casing	ok	RIH with jet sub / WBRRT on 5 1/2" DP from surface to 140 m MD. Washed across wellhead from 136,5 m to 143 m MD with 2650 lpm.
17:15	18:00	140	drilling -- casing	ok	Set wearbushing at 140,5 m MD according to Vetco instructions. Applied 8 MT overpull to verify setting.
18:00	19:00	140	drilling -- casing	ok	Lined up kill manifold for re-testing MS-seal. Closed UPR. Conducted line test against HCR to 345 bar / 5 min, dropped 0,6 bar - ok.
19:00	21:30	140	drilling -- casing	ok	Attempted to replicate test on MS seal testing against WBRRT. Conducted low pressure test to 35 bar / 5 min - ok. Pressured up to 345 bar, not able to obtain good test, pressure leaked off at approx 3,5 bar / 10 min (~1%) and did not stabilize. Topped up drillpipe and observed for flow up drillpipe. Observed flow from drillpipe. Discussed situation. Decided to pull WBRRT and install test plug for test of MS-seal and BOP.
21:30	23:00	0	drilling -- casing	ok	POOH with WBBRT from 140 m MD to surface. Laid down WBBRT.
23:00	00:00	140	drilling -- casing	ok	Made up BOP test plug. RIH with BOP test plug on 5 1/2" DP from surface to 140 m MD.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	2276		miscellaneous equ syst -- wellhead subsea run test	0	00:00	Not able to get good test on MS seal in 14" casing hanger.
00:00	2276		miscellaneous equ syst -- wellhead subsea run test	0	00:00	Not able to release Vetco PADPRT

Drilling Fluid

Sample Time	11:00	22:00
Sample Point	Active pit	Active pit
Sample Depth mMD	2281	2281
Fluid Type	HPWBM	HPWBM
Fluid Density (g/cm3)	1.3	1.3
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)	27	28
Yield point (Pa)	17.5	17
Filtration tests		
Pm filtrate ()		
Filtrate Lthp ()		
Filtrate Hthp ()		
Cake thickn API ()		
Cake thickn HPHT ()		
Test Temp HPHT ()		
Comment		

Pore Pressure

Time	Depth mMD	Depth TVD	Equ Mud Weight (g/cm3)	Reading
00:00	2281		1.03	estimated