Summary report

Wellbore: 15/9-F-14 **Period: 2008-06-27 00:00 - 2008-06-28 00:00**

Status:	normal
Report creation time:	2018-05-03 13:52
Report number:	73
Days Ahead/Behind (+/-):	15.2
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 test
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:	3654
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)

Tested A-annulus and set FLX packer. Inflow tested ASV. Released THRT, pulled and broke landing string. Set BPV. Nippled down diverter and BOP. Prepared to pull BOP riser.

Summary of planned activities (24 Hours)

Pulled BOP riser. Remove comm collar. Terminate DHPG and hydraulic lines in wellhead. Install XMT spool.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	2613	completion -- bop/wellhead equipment	ok	Pumped baseoil in to tubing at 200 lpm to obtain underbalance in well. Pressure increased from 0,5 bar to 6,9 bar during displacement. Pumped a total of 10 m3. Took up/down weight 170 /150 MT.
01:00	02:30	2613	completion -- bop/wellhead equipment	ok	Ran in and attempted to land TH in wellhead. Unable to enter PBR at 2615,4 m MD. Picked up and attempted several (12) times to enter PBR - negative. Set down max 7 MT. At last attempt, observed that string moved incrementallly (2-3 cm) for each time weight was set down. Discussed situation - meanwhile maintained ~5 MT downweight. Observed sudden drop in applied weight - stinger free to move downwards. Drained riser. Landed tubing hanger at correct datum mark. Observed pressure buliding up from 6 bar to 11 bar indicating sealstem travel.
02:30	03:15	2620	completion -- bop/wellhead equipment	ok	Tested tubing hanger through port#1 and #2 in multibowl, 35 bar / 5 min - ok. Pressured up TH function line to enagage tubing hanger lock ring. Performed overpull test to 185 MT, i.e. 15 MT above last upweight. Lined up cement unit and performed line test against closed lo-torque valve on landing stand, 345 bar / 5 min - ok.
03:15	03:30	2620	completion -- test scssv	ok	Pressure tested tubing/sealstem to 50 bar / 5 min - ok. Volume pumped 149 liter.
03:30	03:45	2620	completion -- test scssv	ok	Closed DHSV and bled off pressure above to ~3 bar. Bled back 30 liter. Held inflow test for 10 min - ok. Equalized across DHSV and opened same. Volume pumped 50 liter.
03:45	04:30	2620	completion -- test scssv	ok	Pressured up to 345 bar at 120 lpm to set production packer and test tubing. Held test for 25 min - improving trend last 15 min (5 min 1,3 bar => 5 min 0,7 bar => 5 min 0,5 bar) - ok. Pumped a total of 1088 liter. Packer installed at 2598 mMDRT.
04:30	05:00	2620	completion -- test scssv	ok	Bled down tubing pressure to 280 bar, bled back volume 180 liter. Closed DHSV and bled off pressure above to 156 bar, bled back volume 90 liter. Not able to adjust the choke to the intended 210 bar. Inflow tested DHSV to 125 bar differential. Held test for 15 min - increased 0,2 bar last 5 min with improving trend - ok.
05:00	06:00	2620	completion -- test scssv	ok	Bled down tubing pressure from 156 bar to 10 bar to put 270 bar differential across the DHSV. Bled back 100 liter. Held inflow test for 30 min - test improving by time, last 5 min 0,02 bar increase. Equalised pressure (280 bar) accross DHSV and opened same. Pumped 190 liter. Bled back pressure on tubing to line up for pressure testing annulus. Total bled back volume 940 liter.
06:00	07:00	3620	completion -- test scssv	ok	Lined up to maintain pressure on string while pressuring up tubng x casing annulus. Rigged down kill hose from F-12 and attached to hose on F-14 A-annulus. Pressured up to 100 bar on tubing.
07:00	07:30	2620	completion -- test scssv	ok	Lined up cement unit and performed line test against closed lo-torque on A-annulus, 35/345 bar 5/10 min - ok.
07:30	08:45	2620	completion -- test scssv	ok	Pressured up to 330 bar on A-annulus to set FLX packer and test production packer from above. maintained pressrue on tubing >100 bar. Held pressure for 15 min / 0,2 bar drop - ok. Total volume pumped 1107 liter. Vented B-annulus while performing test.
08:45	09:15	2620	completion -- test scssv	ok	Bled down pressure on A-annulus to 270 bar, bled back 60 liters. Closed ASV and bled off pressure above to 200 bar to put 70 bar differential across ASV, bled back 160 liters. Inflow tested ASV for 15 mins - ok.
09:15	10:00	2620	completion -- test scssv	ok	Bled down pressure above ASV to 10 bar to put 260 bar differential across ASV, bled back 160 liters. Maintained ~90 bar in tubing. Inflow tested ASV for 30 mins - ok.
10:00	11:15	2620	completion -- test scssv	ok	Equlized accross ASV by pressuring up on A-annulus to 270 bar, pumped 220 liters. Bled off annulus pressure to zero. Bled off pressure on tubing from 90 bar to zero.
11:15	12:00	0	completion -- completion string	ok	Disconnected cement hose from cement manifold. Released THRT by 9 clokwise turn and picked up 1 m. Secured cement hose on landing string.
12:00	12:45	0	completion -- completion string	ok	Displaced landing string and riser to seawater pumping 15 m3 at 2000 lpm. Rigged down cement line. POOH with THRT and detached control lines from same.
12:45	14:15	0	completion -- completion string	ok	Broke THRT from landing string. Broke landing string and laid down 2 x pup and 1 full joint.
14:15	16:15	0	completion -- completion string	ok	Rig down and removed tubing running equipment, sheaves and reels from drillfloor.
16:15	17:15	0	completion -- completion string	ok	Made up BPV setting tool. RIH with BPV and set same at 20,4 m MD according to Vetco instructions. POOH with BPV setting tool and laid down same.
17:15	19:00	0	completion -- completion string	ok	RIH with 5 1/2" DP stand to 19,5 m MD. Attached air hose fitting to 1502 hub on standpipe. Displaced riser to air.
19:00	19:30	0	drilling -- bop/wellhead equipment	ok	Held handover meeitng / toolbox prior to nippling down diverter, BOP and riser.

19:30	20:15	0	drilling -- bop/wellhead equipment	ok	Laid out tubing single and 2 x pups form landing string. Undid nuts on slick joint.
20:15	20:45	0	drilling -- bop/wellhead equipment	ok	Removed master bushing and outer ring from rotary.
20:45	22:00	0	drilling -- bop/wellhead equipment	ok	Changed to 5" inserts in elevator to accommodate conductor housing pulling tool. Released mechanical seals on overshot.
22:00	23:00	0	drilling -- bop/wellhead equipment	ok	Installed 10" split inserts in diverter. Picked up diverter release tool. Not able to engage and release diverter.
23:00	00:00	0	interruption -- other	ok	Attempted several times to engage and release diverter - negative. Laid down diverter release tool.

Equipment Failure Information

Start time	Depth mMD	Depth mTVD	Sub Equip - Syst Class	Operation Downtime (min)	Equipment Repaired	Remark
00:00	1565		pipe handling equ syst -- elevator	0	00:00	During runnig 7" tubing a hose on the BX elevator was caught and damaged. Had to change the hose. Do wntime 0,5 hrs.
00:00	2596		service equ -- wellhead tubular equ	0	00:00	Unable to get good test on penetration fittings

Drilling Fluid

Sample Time	00:00
Sample Point	Active 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	