Summary report

Wellbore: 15/9-F-12 **Period: 2009-03-14 00:00 - 2009-03-15 00:00**

Status:	normal
Report creation time:	2018-05-03 13:51
Report number:	136
Days Ahead/Behind (+/-):	
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 ():	
Pressure ():	
Date Well Complete:	2007-08-26

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

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

Operated and greased up leaking PWV. Leak tested XMT cross to 30/200 bar for 5/10 min. Installed WL BOP and riser on XMT. Tested shear seals on WL BOP. Installed combination toolstring in riser. MU lubricator. Leak test WL riser, BOP and lubricator. Equalize and open HMV and DHSV. RIH with combination toolstring and tagged TCP guns at 3260.5 m. Performed correlation log in 7" liner. POOH and prepared for inflow test of HMV.

Summary of planned activities (24 Hours)

Inflow test HMV to 81-5 bar/10 min. Break lubricator and LD toolstring. Install PLT toolstring in riser. MU lubricator and leak test at in-situ sub. Equalize and open HMV. RIH to perform shut-in station logs and 4 PLT tool calibration passes. Bean up well to 4500 Sm3/day. Perform station logs and 4 high rate flowing PLT passes. Choke back flow to 3000 Sm3/day.

Operations

Start time	End time	End Depth mMD	Main - Sub Activity	State	Remark
00:00	01:00	0	workover -- rig up/down	ok	Bled off pressure to 0 bar above DHSV. Confirmed valve status and handed over well to drilling at 01:00.
01:00	02:00	0	workover -- rig up/down	ok	Transferred HMV and DHSV to local controled panel (wireline lock-out mode). Connected Seawell pump and tested line up.
02:00	03:00	0	workover -- rig up/down	ok	Installed test and bleed manifold from moonpool outlet to XMT KWV. Prepared bleed down hose and valves from KWV to closed drain.
03:00	04:30	0	workover -- rig up/down	ok	Flushed lines and attempted to perform line test to 30/200 bar for 5/10 min from cmt unit to KWV through test and bleed manifold. Had 8 bar increase on low pressure test. Investigated situation. Performed "line test" for cmt unit seperatly. Ok. Performed line test to 30/200 bar for 5/10 min from cmt unit to KWV through test and bleed manifold.
04:30	06:00	0	workover -- rig up/down	ok	Opened KWV and attempted test XMT cross. Pressure dropped from 20 to 8 bar while pumping and from 26 bar to 11 bar on second attempt. Checked line-up for leaks. No leaks observed. Opened SV. Flushed through XMT through tree cap needle valve. Closed SV and re-attempted to test XMT cross. Pressure dropped from 30 to 8 bar. Closed LTV1 and performed a second line test to 30 bar/5 min. Ok. Opened LTV1 and re-attempted to test XMT cross without sucess.
06:00	06:30	0	workover -- rig up/down	ok	Closed MMV to establish if it was HMV or PWV that was leaking. Re-attempted to test XMT cross without sucess.
06:30	09:00	0	workover -- rig up/down	ok	Operated and greased up PWV.
09:00	10:30	0	workover -- rig up/down	ok	Verified PWV, SV and HMV were closed. Leak tested XMT cross to 30/200 bar for 5/10 min using cmt unit and 100% MEG. Had 2.4 bar drop (1.2%)/10 min. Bled off pressure to 0 bar to platform closed drain. Verified no pressure below treee cap and removed same.
10:30	11:00	0	workover -- rig up/down	ok	Held tool box talk for installing WL riser and lubricator and change elevator. Lifted WL riser sections and BOP with Top Drive using double lift arrangement. Lowered and stabbed on to XMT connection.
11:00	12:30	0	workover -- rig up/down	ok	Changed elevators and PU lubricator. Meanwhile pressure tested shear ram on WL BOP to 30/200 bar for 5/10 min. Ok.
12:30	13:00	0	workover -- rig up/down	ok	Man-rode to turn WL sheave wheel.
13:00	15:00	0	workover -- rig up/down	ok	MU combination toolstring in riser and stabbed on lubricator with in-situ sub.
15:00	16:15	0	workover -- rig up/down	ok	Verified that toolstring was sitting in toolcatcher. Opened SV 10 turns and opened KWV. Filled riser with 100% MEG from cmt unit. Leak tested WL riser, BOP and lubricator to 30/200 bar for 5/10 min using cmt unit and 100% MEG. Ok. Bled off pressure to 0 bar. Closed SV and KWV.
16:15	16:30	0	workover -- rig up/down	ok	Performed well control exercise with Seawell, Schlumberger and Mærsk crew.
16:30	18:15	0	workover -- wire line	ok	Opened HMV, KWV and SV 10 turns. Filled well above DHSV with 7.7 m3 100% MEG. Equalized and opened DHSV at 93 bar. Closed KWV and bled off pressureto 0 bar in manifold.
18:15	19:00	485	workover -- wire line	ok	Opened SV with 45 turns. RIH with combination toolstring on 7/16" EWLL to 485 m and took pick up weight.
19:00	19:15	498	workover -- wire line	ok	Attempted to RIH through DHSV, but found solid hold up depth at 498 m.
19:15	20:45	485	workover -- wire line	ok	Changed out MEG tanks and re-filled MEG on cmt unit. Meanwhile held tool box talk prior to equalizing and opening DHSV. Performed well control exercise with Seawell, Schlumberger and Mærsk crew.
20:45	21:30	485	workover -- wire line	ok	Opened LTV1 and LTV2. Equalized pressure to 90 bar and opened KWV. Pumped 8.95 m3 100% MEG into well and observed pressure drop from 90 to 69 bar. This confirmed that DHSV was open/partly open.
21:30	23:15	485	workover -- wire line	ok	Attempted to RIH through DHSV, but found solid hold up depth at 498 m. Discussed further options.
23:15	00:00	485	workover -- wire line	ok	Functioned DHSV closed/open twice to remove possible debris. Had 3.0 dl return when closing DHSV and pumped 4.25 dl when opening DHSV. Had good indication of DHSV being in open position.

Drilling Fluid

Sample Time	23:59
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	