# Summary report

**Wellbore: 15/9-F-12** **Period: 2008-01-01 00:00 - 2008-01-02 00:00**

| | |
|---|---|
| **Status:** | normal |
| **Report creation time:** | 2018-05-03 13:51 |
| **Report number:** | 99 |
| **Days Ahead/Behind (+/-):** | 109.9 |
| **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 ():** | |
| **Pressure ():** | |
| **Date Well Complete:** | 2007-08-26 |

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|---|---|
| **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)

RIH with 10 3/4" Tie Back and made up into sub sea well. Pressure tested Tie Back connector to 345 bars. Attempted to lock the Surface hanger, with the Adjustment sub.

## Summary of planned activities (24 Hours)

Activate adjustable casing sub. Install Bowl Protector. MU Odfjell special drift and RIH and drift 10 3/4" casing. Retrieve the GT plug.

## Operations

| Start time | End time | End Depth mMD | Main - Sub Activity | State | Remark |
|---|---|---|---|---|---|
| 00:00 | 00:45 | 139.9 | drilling -- bop/wellhead equipment | ok | Rotated the string 3 + ⅛ turn to the left, kept the weight below 1⅛ MT set down weight and torque below 2 kNm. Marked string and measured 3(⅛) turns = 1¼". Total backed out with the Annulus Insert = 2½". Corrected according to Vetco procedure. |
| 00:45 | 01:00 | 138 | drilling -- bop/wellhead equipment | ok | Pulled back from 139.9 m to 138 m. Took weight at 138.6 m 10 MT. Rotated the string and passed the obstruction. |
| 01:00 | 01:30 | 138 | drilling -- bop/wellhead equipment | ok | Displaced the riser to completion fluid at 1000 lpm / 1.5 bars. Total volume pumped 30 m³. |
| 01:30 | 02:45 | 0 | drilling -- bop/wellhead equipment | ok | POOH with the Annulus Insert. Inspected the Annulus Insert. Found no damage. |
| 02:45 | 03:30 | 0 | drilling -- bop/wellhead equipment | ok | Picked up HWDP stand and measured from mark when engaged the Annulus Insert. Accumulated length 140.01 m. |
| 03:30 | 03:45 | 0 | drilling -- bop/wellhead equipment | ok | Held tool box talk prior to run and retrieve the Bowl Protector in surface WH. |
| 03:45 | 04:15 | 0 | drilling -- bop/wellhead equipment | ok | Picked up and made of the Bowl Protector retrieving tool. |
| 04:15 | 05:15 | 0 | drilling -- bop/wellhead equipment | ok | RIH with Bowl Protector retrieving tool and set down at 20 m. Attempted to work string down to 20.9 m as Bowl Protector was reported installed previous to day. POOH after 2 attempts. |
| 05:15 | 05:30 | 20 | drilling -- bop/wellhead equipment | ok | OOH with Bowl Protector retrieving tool. Inspected the tool found no marks. Measured length from landing shoulder to Bowl Protector retrieving tool nose = 0.8 m. Painted landing shoulder white. RIH with Bowl Protector retrieving tool. Tagged at 20 m. Turned one round to the right. POOH with Bowl Protector retrieving tool and retrieved the Bowl Protector. |
| 05:30 | 06:00 | 20 | drilling -- bop/wellhead equipment | ok | RIH with Jetting sub and commenced washing the surface well head area. |
| 06:00 | 06:45 | 20 | drilling -- casing | ok | Washed the surface well head area. 2200 lpm used 20m³ completion fluid. POOH with Jet washing assy. and laid out same. |
| 06:45 | 07:00 | 0 | drilling -- casing | ok | Cleaned and cleared the rig floor. |
| 07:00 | 08:00 | 0 | drilling -- casing | ok | Held tool box talk prior to make up Spear assy. Made up Spear assy and racked back in derrick. |
| 08:00 | 10:00 | 0 | drilling -- casing | ok | Rigged up 10 3/4" casing handling equipment. |
| 10:00 | 10:30 | 0 | drilling -- casing | ok | Tool box talk prior to make up and run 10 3/4" Tie- back assy. |
| 10:30 | 11:45 | 0 | interruption -- wait | ok | No crane available due to Helicopter. Meanwhile positioned the MST seal running tool on the rig floor. Inspected the MST running tool and confirmed leakages. |
| 11:45 | 15:00 | 108 | drilling -- casing | ok | Made up Drillquip Tie Back connector to 10 3/4" casing and ran in hole from surface to 108 m. |
| 15:00 | 15:45 | 108 | drilling -- casing | ok | Held tool box talk prior to pick/make up the 10 3/4" hanger. Performed same. |
| 15:45 | 16:15 | 108 | drilling -- casing | ok | Changed elevator to 5½" DP elevator. |
| 16:15 | 17:00 | 108 | drilling -- casing | ok | Picked/made up spear assy and connected same up to top drive. Drained the riser. String weight 12 MT. |
| 17:00 | 17:45 | 140.1 | drilling -- casing | ok | RIH with Tie Back string and set down 2 MT in Sub surface WH. |
| 17:45 | 19:15 | 104.1 | drilling -- casing | ok | Made up Tie Back connection, turned the string 5 right hand turns. Applied 5000 ft/lbs to energize the metal seal. After 3 turns the spear released due to torque friction in Tie Back connector. Re-engaged spear and took over pull of 11 MT completed the 5 turns with final torque of 5000 ft/lbs. Verified space out by observing correct colour code through the surface WH B-annulus valve. |
| 19:15 | 20:15 | 0 | drilling -- casing | ok | POOH with the Spear assy. Racked back same in derrick. |
| 20:15 | 21:45 | 0 | drilling -- casing | ok | Held tool box prior to rig down 10 3/4" casing handling equipment. Rigged down same. |
| 21:45 | 23:15 | 138 | drilling -- casing | ok | Held tool box talk prior to RIH with Straddle cup tester. Made up and ran in with Straddle cup tester from surface to 138 m. |
| 23:15 | 00:00 | 139 | drilling -- casing | ok | Picked/made up pump in sub and cement hose. Spaced out prior to test Tie-back connector 139 m. |

## Drilling Fluid

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|---|---|
| **Sample Time** | 22:00 |
| **Sample Point** | Active pit |
| **Sample Depth mMD** | 3520 |
| **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** | |

## Pore Pressure

| Time | Depth mMD | Depth TVD | Equ Mud Weight (g/cm3) | Reading |
|---|---|---|---|---|
| 00:00 | 3520 | | 1.03 | estimated |