

Summary report

Wellbore: 15/9-F-12

Period: 2016-08-17 00:00 - 2016-08-18 00:00

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|---------------------------------|------------------|
| Status: | normal |
| Report creation time: | 2018-05-03 13:51 |
| Report number: | 4 |
| Days Ahead/Behind (+/-): | .9 |
| Operator: | Statoil |
| Rig Name: | MÆRSK INSPIRER |
| Drilling contractor: | Maersk Drilling |
| 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 |

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|------------------------------------|--------------------------|
| 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): | |

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| Depth at Kick Off mMD: | |
| Depth at Kick Off mTVD: | |
| Depth mMd: | -999.99 |
| Depth mTVD: | |
| 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)

- Finished N/U BOP. Performed connector test
- RIH w/ THRT, locked to TH
- Open shallow set barrier plug
- Troubleshoot communication w/ DHSV

Summary of planned activities (24 Hours)

- Pull 500m of 7in tubing
- Run USIT log in 9 5/8csg

Operations

| Start time | End time | End Depth mMD | Main - Sub Activity | State | Remark |
|------------|----------|---------------|------------------------|-------|---|
| 00:00 | 00:30 | 0 | plug abandon -- other | ok | Installed halfmoon hatches and master bushing, released BOP NT2 connector from stump. Continued pressure testing Kill and Choke Manifold |
| 00:30 | 01:15 | 0 | plug abandon -- other | ok | Skidded BOP to well center, moved port and stb tension cylinders in order to land off BOP on HP Riser Stump. Installed seal and land off BOPs. Meanwhile continued pressure testing Kill and Choke Manifold |
| 01:15 | 01:30 | 0 | plug abandon -- other | ok | Performed Pre-job Meeting to connect tension cylinders. Meanwhile continued pressure testing Kill and Choke Manifold |
| 01:30 | 02:30 | 0 | plug abandon -- other | ok | Connected all 4 tension cylinders to BOP carrier. Meanwhile continued pressure testing Kill and Choke Manifold |
| 02:30 | 03:15 | 0 | plug abandon -- other | ok | P/U and run slick joint, retracted TDS. Removed master bushing and outer ring, run down and landed off slick jnt and M/U 4x studs |
| 03:15 | 04:45 | 0 | plug abandon -- other | ok | P/U and RIH w/ diverter and land off same. Continued to M/U rest of studs on slick jnt |
| 04:45 | 05:00 | 0 | plug abandon -- other | ok | Performed Pre-job Meeting to build scaffolding |
| 05:00 | 06:15 | 0 | plug abandon -- other | ok | Built scaffolding around HP Riser. Meanwhile removed lifting chains from TDS. Prepared and M/U test assembly for pressure testing TDS |
| 06:15 | 07:00 | 0 | plug abandon -- other | ok | Started M/U NT2 connector |
| 07:00 | 07:15 | 0 | plug abandon -- other | ok | Performed Pre-job Meeting to M/U NT2 connector w/ new crew |
| 07:15 | 09:00 | 0 | plug abandon -- other | ok | Finished M/U NT2 connector between BOP and riser. Meanwhile performed pressure test on TDS. Test NO.1 and Test NO. 2, Kelly hose, Upper IBOP |
| 09:00 | 09:30 | 0 | plug abandon -- other | ok | Performed load shift from BOP carriers to tension system and pressurized diverter system. Meanwhile continued TDS pressure test. Test NO. 3, Lower IBOP |
| 09:30 | 10:15 | 0 | plug abandon -- other | ok | Filled up riser and BOP with SW, closed BSR and pressure tested BOP/connector through Kill line to 20/345bar for 5/10min. Meanwhile performed TBT for rig up casing handling equipment |
| 10:15 | 11:45 | 0 | plug abandon -- other | ok | R/U casing tong and changed BX inserts to 7inch |
| 11:45 | 12:00 | 0 | plug abandon -- other | ok | Cleaned and cleared rig floor |
| 12:00 | 12:15 | 0 | plug abandon -- other | ok | P/U THRT and make up to first joint of the landing string |
| 12:15 | 13:15 | 0 | interruption -- repair | ok | Overtorqued connection between THRT and first joint due to wrong tong setting. Troubleshoot, broke out and inspected treads. Damaged. L/D damaged pup joint and THRT |
| 13:15 | 13:45 | 0 | interruption -- repair | ok | Broke off 2x pup joints from first landing string joint |
| 13:45 | 14:00 | 0 | interruption -- repair | ok | P/U backup THRT and first landing string joint |
| 14:00 | 14:30 | 0 | interruption -- repair | ok | L/D back up THRT due to it not being able to communicate with DHSV |
| 14:30 | 14:45 | 0 | interruption -- repair | ok | Prepared to P/U primary landing string. Meanwhile perform maintenance on BOP control system |
| 14:45 | 15:45 | 0 | interruption -- repair | ok | P/U primary THRT, broke off damaged pup joint and L/D same. Replaced with new pup joint and M/U to THRT |
| 15:45 | 16:00 | 0 | interruption -- repair | ok | P/U primary landing string |
| 16:00 | 16:30 | 0 | plug abandon -- other | ok | P/U 3x pup joints and M/U to THRT, RIH to 22m |
| 16:30 | 16:45 | 0 | plug abandon -- other | ok | POOH landing string to surface. Prepared and connected control lines to THRT |
| 16:45 | 17:30 | 0 | plug abandon -- other | ok | RIH with THRT and landed on the tubing. M/U THRT to TH |
| 17:30 | 17:45 | 0 | plug abandon -- other | ok | Performed Pre-job Meeting for pumping open ME plug |
| 17:45 | 18:00 | 0 | plug abandon -- other | ok | Dropped 2in ball inside landing string and M/U swedge with 1502 weco with 7in tubing |
| 18:00 | 19:00 | 0 | interruption -- repair | ok | Lined up to line test. Go to low pressure 20bar. Cement pump tripped. Troubleshoot. Meanwhile lift remaining tubing handling equipment to rig floor. Reel and compact spider slips |

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|-------|-------|---|------------------------|----|--|
| 19:00 | 19:15 | 0 | plug abandon -- other | ok | Continued w/ line test. Meanwhile prepared rigfloor for second reel |
| 19:15 | 20:00 | 0 | plug abandon -- other | ok | Connected cement hose to pumping swedge and applied 20 bar to confirm line up. Continued to pressure up to 60 bar (unable to stop at 50 bar due to pressure building up to fast), no indication of opening of the Pump-open sub in ME plug. Bled off. Waited 5 min to let plug reset. Note: Plug supposed to open at 40 bar. |
| 20:00 | 20:30 | 0 | plug abandon -- other | ok | Pressured up well to 50 bar w/ cement unit. Did not observe signs of Pump-open sub in ME plug opening . Bled off pressure via choke Meanwhile: - Called and consulted Interwell duty support. Agreed to pump up to 100bar to try to open plug. - Continued to rig up reels. |
| 20:30 | 20:45 | 0 | plug abandon -- other | ok | Started to pressured up well with constant rate of 50 l/min. Observed clear change of pressure trend at 56 bar indicating opening of Pump-open sub in ME plug Stopped pressuring up at 102 bar |
| 20:45 | 21:15 | 0 | plug abandon -- other | ok | Bled off pressure and monitor well on fully closed choke, no pressure build up. |
| 21:15 | 21:45 | 0 | interruption -- repair | ok | Pressured up well to equalize and open DHSV, applied 130 bar to string, observed DHSV equalizing and opening at 122bar. Pressured up control lines to 520 bar. Bled off tubing pressure to zero via choke to trip tank. Returns 60 liters indicating that DHSV closed after pressure above is bled off. Repeated equalizing and bleeding off sequence and observed same volume bled off |
| 21:45 | 22:30 | 0 | interruption -- repair | ok | Confirmed 520 bar on control line and applied 140 bar to the well, 170 liters pumped and 90 liters returned. Meanwhile evaluated situation. Discussed situation w/ onshore organisation. |
| 22:30 | 22:45 | 0 | interruption -- repair | ok | Applied 100 bar to tubing. Disconnected cement hose and bled off directly into a drum. 51 liters returned indicating that DHSV was closed |
| 22:45 | 23:00 | 0 | interruption -- repair | ok | Reconnected cement hose to tubing. Meanwhile held TBT to swap hydraulic pump to pressure up control line for DHSV |
| 23:00 | 00:00 | 0 | interruption -- repair | ok | Connected another hydraulic pump to control line, applied 520bar to control line. Started pressuring up tubing while monitoring gauge on the hydraulic pump for indications of DHSV sleeve movement. Observed DHSV equalized and opened at 146 bar and stop pressuring up at 152bar. No indication of DHSV sleeve movement. Bled off pressure, volume returned 60 liters. 152bar trapped below DHSV |