

## Summary report

Wellbore: 15/9-F-12

Period: 2007-08-30 00:00 - 2007-08-31 00:00

|                          |                   |
|--------------------------|-------------------|
| Status:                  | normal            |
| Report creation time:    | 2018-05-03 13:51  |
| Report number:           | 79                |
| Days Ahead/Behind (+/-): |                   |
| Operator:                | Statoil           |
| 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):           | 0                        |
| 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:                       | 3106.6 |
| 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)

Displaced well to treated seawater. POOH with 7" x 9 5/8" x 14" cleaning/displacement string. Pulled WB in subsea wellhead. Rigged up for running 9 5/8" x 10 3/4" tie-back string.

## Summary of planned activities (24 Hours)

Run 9 5/8" x 10 3/4" tie-back string to 2000 m MD.

## Operations

| Start time | End time | End Depth mMD | Main - Sub Activity   | State | Remark  |
|------------|----------|---------------|-----------------------|-------|---|
| 00:00      | 01:15    | 3474          | drilling -- casing    | ok    | Continued displacing well with soap train to above MFCT at 1000 lpm, 230 bars constant DP pressure up choke line.   |
| 01:15      | 01:30    | 3474          | drilling -- casing    | ok    | Stopped pumping. Closed in the well with 200 bars DP, 170 bars choke pressure. Opened MFCT setting down weight.   |
| 01:30      | 03:00    | 3474          | drilling -- casing    | ok    | Circulated well at 2800 lpm, holding choke pressure constant at 170 bars. New DP pressure 270 bars. Continued circulating 2800 lpm 270 bars constant DP pressure w/ treated sea water       |
| 03:00      | 03:30    | 3474          | drilling -- casing    | ok    | Closed in well @ 80 bars when treated sea water at surface. Bled off the pressure from 80 bars in two steps to zero, prior to taking inflow test over the trip tank. Lined up to trip tank. |
| 03:30      | 04:45    | 3474          | drilling -- casing    | ok    | Inflow tested well over the trip tank for 30 mins. - OK   |
| 04:45      | 06:00    | 3470          | drilling -- casing    | ok    | Spaced out and closed pipe rams. Pressure tested well 20/345 bars 5/10 mins with treated sea water. Simultaneously mixing for displacing the well with treated sea water below 100 NTU      |
| 06:00      | 07:15    | 3474          | drilling -- casing    | ok    | Continued to clean surface lines. Prepared to pump TSW.   |
| 07:15      | 10:00    | 3474          | drilling -- casing    | ok    | With MFCT in open position, pumped TSW at 3400 lpm / SPP 284 bar. Total volume pumped 365 m3. NTU reading levelled out at approx 150.   |
| 10:00      | 11:00    | 3177          | drilling -- casing    | ok    | Closed MFCT. POOH with cleaning assembly on 5 1/2" DP from 3474 m to 3177 m MD. Observed 12 mm locking nut falling from derrick, halted operation.  |
| 11:00      | 12:00    | 3177          | interruption -- other | ok    | Performed FG inspection in derrick. Lock nut traced to clamp on ladder to crown block.  |
| 12:00      | 15:30    | 1080          | drilling -- casing    | ok    | Continued to POOH with cleaning assembly on 5 1/2" DP from 3177 m to 1080 m MD.   |
| 15:30      | 16:00    | 1080          | drilling -- casing    | ok    | Changed from 5 1/2" to 5" handling equipment.   |
| 16:00      | 16:30    | 1062          | drilling -- casing    | ok    | Broke out and laid down 14" Razor back assy #5 and Tie-back/top dress mill assy #4.   |
| 16:30      | 18:30    | 465           | drilling -- casing    | ok    | Continued to POOH on 5" DP from 1062 m to 465 m MD. Changed inserts and jaws on IR to 3 1/2" DP. Changed to 3 1/2" inserts in elevator.   |
| 18:30      | 19:00    | 465           | drilling -- casing    | ok    | Broke out and laid down 9 5/8" Razor back assy #3.  |
| 19:00      | 22:30    | 14            | drilling -- casing    | ok    | POOH with cleaning assy on 3 1/2" DP from 465 m to 14 m MD.   |
| 22:30      | 23:30    | 0             | drilling -- casing    | ok    | Broke out and laid down 7" Razor back assy #2. Laid out assy #1, pup with 6" bit. Changed to 5 1/2" handling equipment.   |
| 23:30      | 00:00    | 0             | drilling -- casing    | ok    | Made up Wear Bushing Running and Retrieving Tool (WBRRT) to stand of 5 1/2" HWDP. Checked tool.   |

## Equipment Failure Information

| Start time | Depth mMD | Depth mTVD | Sub Equip - Syst Class    | Operation Downtime (min) | Equipment Repaired | Remark                                 |
|------------|-----------|------------|---------------------------|--------------------------|--------------------|--|
| 00:00      | 1748      |            | drill floor -- draw works | 0                        | 00:00              | Brakes on draw work unable to release. |

## Bit Record

| Run No. | Bit Size | Bit Type | IADC Code | Manufacturer | Hrs Drilled | Start mMD | End mMD | Hole Made (last 24H) | Hours Drilled (last 24H) | Form ROP | Total ROP | Total Hole Made | Total Hrs Drilled |
|---------|----------|----------|-----------|--------------|-------------|-----------|---------|----------------------|--------------------------|----------|-----------|-----------------|-------------------|
| 16      | 6 in     | N.A.     |           | Unknown      |             |           |         |                      |                          |          |           |                 |                   |

## Drilling Fluid

|                       |              |
|-----------------------|--------------|
| Sample Time           | 22:00        |
| Sample Point          | Active pit   |
| Sample Depth mMD      | 3457         |
| Fluid Type            | OBM-Standard |
| Fluid Density (g/cm3) | 1.4          |
| Funnel Visc (s)       | -999.99      |
| Mf ()                 |              |
| Pm ()                 |              |
| Pm filtrate ()        |              |
| Chloride ()           |              |
| Calcium ()            |              |
| Magnesium ()          |              |
| Ph                    |              |

|                               |     |
|-------------------------------|-----|
| <b>Excess Lime ()</b>         |     |
| <b>Solids</b>                 |     |
| <b>Sand ()</b>                |     |
| <b>Water ()</b>               |     |
| <b>Oil ()</b>                 |     |
| <b>Solids ()</b>              |     |
| <b>Corrected solids ()</b>    |     |
| <b>High gravity solids ()</b> |     |
| <b>Low gravity solids ()</b>  |     |
| <b>Viscometer tests</b>       |     |
| <b>Plastic visc. (mPa.s)</b>  | 29  |
| <b>Yield point (Pa)</b>       | 10  |
| <b>Filtration tests</b>       |     |
| <b>Pm filtrate ()</b>         |     |
| <b>Filtrate Lthp ()</b>       |     |
| <b>Filtrate Hthp ()</b>       |     |
| <b>Cake thickn API ()</b>     |     |
| <b>Cake thickn HPHT ()</b>    |     |
| <b>Test Temp HPHT (degC)</b>  | 120 |
| <b>Comment</b>                |     |