

## Summary report

Wellbore: 15/9-F-10

Period: 2009-04-28 00:00 - 2009-04-29 00:00

|                          |                  |
|--------------------------|------------------|
| Status:                  | normal           |
| Report creation time:    | 2018-05-03 13:51 |
| Report number:           | 23               |
| Days Ahead/Behind (+/-): | 7.6              |
| Operator:                | StatoilHydro     |
| Rig Name:                | MÆRSK INSPIRER   |
| Drilling contractor:     | Maersk Drilling  |
| Spud Date:               | 2009-04-06 06:00 |
| Wellbore type:           |                  |
| Elevation RKB-MSL (m):   | 54.9             |
| Water depth MSL (m):     | 91               |
| Tight well:              | Y                |
| HPHT:                    | Y                |
| Temperature ():          |                  |
| Pressure ():             |                  |
| Date Well Complete:      | 2009-06-03       |

|                             |                          |
|-----------------------------|--------------------------|
| Dist Drilled (m):           | -999.99                  |
| Penetration rate (m/h):     | -999.99                  |
| Hole Dia (in):              | 17.5                     |
| 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:                        | 2616   |
| Depth mTVD:                       | 2294   |
| Plug Back Depth mMD:              |        |
| Depth at formation strength mMD:  | 1389   |
| Depth At Formation Strength mTVD: | 1331.7 |
| Depth At Last Casing mMD:         | 1388.9 |
| Depth At Last Casing mTVD:        | 1331.7 |

### Summary of activities (24 Hours)

Pumped 38m3 LCM pill from 2495m to 2351m. POOH from 2351m. Took 30 ton weight at 2328m. Worked string from 2351m to 2328m, 0-4500 l/min, 0-270 bar, 0-120 rpm, 0-25 kNm, 0-30 ton over pull. Circulated bottom up, 4500 l/min, 270 bar, 120 rpm, 10-13 kNm. Attempted to pull, no go. Backreamed 3 stands. Pulled 4 stands, observed 25-30 ton over pull. RIH with 4 stands, continued to back ream from 2253m to 2212m. 4500 l/min, 275 bar, 180 rpm, 12-14 kNm.

### Summary of planned activities (24 Hours)

Back ream from 2212m to shoe, 1389m. POOH with 17 1/2" BHA from 1389. to surface. Prepare for and RIH with 13 3/8" casing.

### Operations

| Start time | End time | End Depth mMD | Main - Sub Activity                    | State | Remark   |
|------------|----------|---------------|--|-------|--|
| 00:00      | 05:00    | 2616          | drilling -- circulating conduit ioning | ok    | Circulated hole while waiting on LCM pill mixing. 3500 l/min, 180 bar, 50 rpm, 12-14 kNm. Reciprocated pipe between 2616m and 2589m.   |
| 05:00      | 05:30    | 2616          | drilling -- circulating conduit ioning | ok    | Circulated hole while waiting on hi-vis pill mixing. 3500 l/min, 180 bar, 50 rpm, 12-14 kNm. Reciprocated pipe between 2616m and 2589m.  |
| 05:30      | 06:00    | 2535          | drilling -- circulating conduit ioning | ok    | -  |
| 06:00      | 08:15    | 2351          | drilling -- circulating conduit ioning | ok    | Pumped LCM pill as we pulled 17 1/2" BHA from 2495m to 2351m. 900 l/min, 20 bar, no rotation.  |
| 08:15      | 16:15    | 2328          | drilling -- ream                       | ok    | Pulled from 2351m to 2328m. Observed 30 ton overpull. Observed pack off repeatedly. Worked string from 2360m to 2328m, 0-4500 l/min, 0-270 bar, 0-120 rpm, 0-25 kNm, 0-30 ton over pull. |
| 16:15      | 18:30    | 2360          | drilling -- circulating conduit ioning | ok    | Circulated bottom up, 4500 l/min, 270 bar, 120 rpm, 10-13 kNm. Reciprocated pipe between 2360m and 2346m.  |
| 18:30      | 19:30    | 2360          | drilling -- circulating conduit ioning | ok    | Pulled from 2360m to 2346m. No pumping no rotation. Pulled 2m lowered 1m in steps. Took weight at 2350m.   |
| 19:30      | 22:00    | 2293          | drilling -- circulating conduit ioning | ok    | Lowered string to 2356m, started to backream from 2356m to 2293m. Increased pumps in steps to 2000 l/min, 65-70 bar, 80 rpm, 11-13 kNm. Layed out 1 joint of 5 1/2" DP.                  |
| 22:00      | 23:30    | 2250          | drilling -- ream                       | ok    | Back reamed from 2293m to 2250m with increased flow to 3600 l/min, 188-190 bar, 80 rpm, 12-15 kNm.   |
| 23:30      | 00:00    | 2250          | drilling -- circulating conduit ioning | ok    | Increased parameters to 4500 l/min, 275 bar, 180 rpm, 13-15 kNm.   |

### Drilling Fluid

|                        |              |              |              |
|------------------------|--------------|--------------|--------------|
| Sample Time            | 04:00        | 14:00        | 21:00        |
| Sample Point           | Flowline     | Flowline     | Flowline     |
| Sample Depth mMD       | 2616         | 2616         | 2616         |
| Fluid Type             | OBM-Standard | OBM-Standard | OBM-Standard |
| Fluid Density (g/cm3)  | 1.51         | 1.51         | 1.51         |
| Funnel Visc (s)        | -999.99      | -999.99      | -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)  | 37           | 32           | 31           |
| Yield point (Pa)       | 13           | 11.5         | 10.5         |
| Filtration tests       |              |              |              |
| Pm filtrate ()         |              |              |              |
| Filtrate Lthp ()       |              |              |              |

|                       |     |     |     |
|-----------------------|-----|-----|-----|
| Filtrate Hthp ()      |     |     |     |
| Cake thickn API ()    |     |     |     |
| Cake thickn HPHT ()   |     |     |     |
| Test Temp HPHT (degC) | 120 | 120 | 120 |
| Comment               |     |     |     |

#### Pore Pressure

| Time  | Depth mMD | Depth TVD | Equ Mud Weight (g/cm3) | Reading   |
|-------|-----------|-----------|------------------------|-----------|
| 00:00 | 2616      |           | 1                      | estimated |