

Summary report

Wellbore: 15/9-F-10

Period: 2009-04-25 00:00 - 2009-04-26 00:00

| | |
|--------------------------|------------------|
| Status: | normal |
| Report creation time: | 2018-05-03 13:51 |
| Report number: | 20 |
| Days Ahead/Behind (+/-): | 8.5 |
| 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 (I): | |
| Pressure (I): | |
| Date Well Complete: | 2009-06-03 |

| | |
|-----------------------------|--------------------------|
| Dist Drilled (m): | 295 |
| 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 (I): | |

| | |
|-----------------------------------|--------|
| Depth at Kick Off mMD: | |
| Depth at Kick Off mTVD: | |
| Depth mMd: | 2104 |
| Depth mTVD: | 1931.5 |
| 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)

Drilled and steered 17 1/2" hole from 1889m to 2179m. Had 2,5 hrs stop to clear CRI system and cutting conveyers. MU 3 stands of 13 3/8" casing as simultaneous operation.

Summary of planned activities (24 Hours)

Drill and steer 17 1/2" hole from 2179m to 2460m.

Operations

| Start time | End time | End Depth mMD | Main - Sub Activity | State | Remark |
|------------|----------|---------------|---------------------|-------|---|
| 00:00 | 03:45 | 1866 | drilling -- drill | ok | Drilled and steared 17 1/2" hole from 1809m to 1866m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr. |
| 03:45 | 04:15 | 1866 | drilling -- drill | ok | Picked off bottom, circulated and reciprocated pipe while trouble shooting problems in cutting injection system. 3100 l/min, 140 bar, 60 rpm, 7-9 kNm. |
| 04:15 | 05:30 | 1884 | drilling -- drill | ok | Drilled and steared 17 1/2" hole from 1866m to 1884m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr. Cuttings to skip, while cleaning slurry pump. |
| 05:30 | 06:00 | 1889 | drilling -- drill | ok | Drilled and steared 17 1/2" hole from 1884m to 1889m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 3-4 ton, ROP 15-17 m/hr. Cuttings pump back, injection re-established. P/U and build 5 stands of 13 3/8" casing and racked on set back during last 12 hrs. |
| 06:00 | 12:00 | 1970 | drilling -- drill | ok | Drilled 17 1/2" hole from 1889m to 1970m. 4490 l/min, 250 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr. Meanwhile MU 13 3/8" csg in stands. 09:00 broke two bolts on flushjoint elevator tilt cylinder. Secured and repaired flush joint elevator. |
| 12:00 | 19:15 | 2062 | drilling -- drill | ok | Drilled 17 1/2" hole from 1970m to 2062m. 4490 l/min, 253 bar, 160 rpm, 11-13 kNm. WOB 1-4 ton, ROP 15-17 m/hr. Plugging i CRI and conveyers. Meanwhile repaired flushjoint elevator on fwd PRS. |
| 19:15 | 21:45 | 2062 | drilling -- drill | ok | Pulled off bottom due to plugging on CRI and cuttings conveyers. Circulated and reciprocated pipe, 3000 l/min, 125 bar, 60 rpm, 9 kNm while sorting out CRI and conveyers. |
| 21:45 | 00:00 | 2104 | drilling -- drill | ok | Drilled 17 1/2" hole from 2062m to 2104m. 4490 l/min, 256 bar, 160 rpm, 11-13 kNm. WOB 2-4 ton, ROP 15-17 m/hr. |

Drilling Fluid

| | | | | |
|-------------------------|--------------|--------------|--------------|--------------|
| Sample Time | 04:30 | 10:00 | 16:00 | 21:30 |
| Sample Point | Flowline | Flowline | Flowline | Flowline |
| Sample Depth mMD | 1861 | 1944 | 2030 | 2049 |
| Fluid Type | OBM-Standard | OBM-Standard | OBM-Standard | OBM-Standard |
| Fluid Density (g/cm3) | 1.51 | 1.51 | 1.51 | 1.51 |
| Funnel Visc (s) | -999.99 | -999.99 | -999.99 | -999.99 |
| Mf (I) | | | | |
| Pm (I) | | | | |
| Pm filtrate (I) | | | | |
| Chloride (I) | | | | |
| Calcium (I) | | | | |
| Magnesium (I) | | | | |
| Ph | | | | |
| Excess Lime (I) | | | | |
| Solids | | | | |
| Sand (I) | | | | |
| Water (I) | | | | |
| Oil (I) | | | | |
| Solids (I) | | | | |
| Corrected solids (I) | | | | |
| High gravity solids (I) | | | | |
| Low gravity solids (I) | | | | |
| Viscometer tests | | | | |
| Plastic visc. (mPa.s) | 34 | 33 | 27 | 30 |
| Yield point (Pa) | 16 | 16 | 15 | 13.5 |
| Filtration tests | | | | |
| Pm filtrate (I) | | | | |
| Filtrate Lthp (I) | | | | |
| Filtrate Hthp (I) | | | | |
| Cake thickn API (I) | | | | |
| Cake thickn HPHT (I) | | | | |
| Test Temp HPHT (degC) | 120 | 120 | 120 | 120 |

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|---------|--|--|--|--|
| Comment | | | | |
|---------|--|--|--|--|

Pore Pressure

| Time | Depth mMD | Depth TVD | Equ Mud Weight (g/cm3) | Reading |
|-------|-----------|-----------|------------------------|-----------|
| 00:00 | 2179 | | 1 | estimated |

Survey Station

| Depth mMD | Depth mTVD | Inclination (dega) | Azimuth (dega) | Comment |
|-----------|------------|--------------------|----------------|---------|
| 1875.8 | 1761.3 | 34.57 | 123.43 | |
| 1916 | 1793.9 | 37.32 | 125.83 | |
| 2002.1 | 1859.1 | 44.04 | 127.68 | |
| 2036.9 | 1884 | 44.79 | 127.31 | |
| 2077.1 | 1912.5 | 44.92 | 126.13 | |
| 2156.9 | 1968.9 | 45.08 | 125.02 | |

Lithology Information

| Start Depth mMD | End Depth mMD | Start Depth mTVD | End Depth mTVD | Shows Description | Lithology Description |
|-----------------|---------------|------------------|----------------|-------------------|--|
| 1850 | 2160 | 1740.4 | 1971.7 | | Claystone with minor Limestone stringers |

Gas Reading Information

| Time | Class | Depth to Top mMD | Depth to Bottom MD | Depth to Top mTVD | Depth to Bottom TVD | Highest Gas (%) | Lowest Gas () | C1 (ppm) | C2 (ppm) | C3 (ppm) | IC4 (ppm) | IC5 (ppm) |
|-------|-------------------|------------------|--------------------|-------------------|---------------------|-----------------|---------------|----------|----------|----------|-----------|-----------|
| 00:00 | drilling gas peak | 1913 | | 1791.5 | | .66 | | 6180 | 15 | 6 | 4 | 6 |
| 00:00 | drilling gas peak | 2000 | | 1858 | | .56 | | 5518 | 13 | 5 | 3 | 4 |
| 00:00 | drilling gas peak | 2099 | | 1924.1 | | .55 | | 5561 | 16 | 5 | 3 | 5 |
| 00:00 | drilling gas peak | 2116 | | 1934.5 | | .63 | | 5838 | 16 | 4 | 3 | 5 |