

Summary report

Wellbore: 15/9-19 S

Period: 1992-11-22 00:00 - 1992-11-23 00:00

| | |
|--------------------------|-------------------|
| Status: | normal |
| Report creation time: | 2018-05-03 13:53 |
| Report number: | 23 |
| Days Ahead/Behind (+/-): | |
| Operator: | Statoil |
| Rig Name: | TREASURE PROSPECT |
| Drilling contractor: | UNKNOWN |
| Spud Date: | 1992-09-18 00:00 |
| Wellbore type: | |
| Elevation RKB-MSL (m): | 22 |
| Water depth MSL (m): | 84 |
| Tight well: | Y |
| HPHT: | Y |
| Temperature (): | |
| Pressure (): | |
| Date Well Complete: | 1992-12-18 |

| | |
|-------------------------|---------|
| Dist Drilled (m): | -999.99 |
| Penetration rate (m/h): | -999.99 |
| Hole Dia (in): | 17.5 |
| Pressure Test Type: | |
| Formation strength (): | |
| Dia Last Casing (): | |

| | |
|-----------------------------------|-----|
| Depth at Kick Off mMD: | 562 |
| Depth at Kick Off mTVD: | |
| Depth mMD: | 633 |
| Depth mTVD: | 633 |
| Plug Back Depth mMD: | |
| Depth at formation strength mMD: | |
| Depth At Formation Strength mTVD: | |
| Depth At Last Casing mMD: | 531 |
| Depth At Last Casing mTVD: | |

Summary of activities (24 Hours)

*DRILLED FLOAT/SHOE ETC.
*DISPLACED TO 1.20 SG KCL MUD, DRILLED 5M NEW FORMATION.
*TOOK LOT TO 1.62 SG EMW
*DRILLED 17 1/2" HOLE TO 762M

Summary of planned activities (24 Hours)

*CONT. DRILL/SURVEY 17 1/2" HOLE

Operations

| Start time | End time | End Depth mMD | Main - Sub Activity | State | Remark |
|------------|----------|---------------|--------------------------------|-------|--|
| 00:00 | 05:00 | 506 | drilling -- trip | ok | MADE UP BOTTOMHOLE ASSEMBLY NUMBER 4 AND RAN IN HOLE TO 506 METERS. TESTED MUD MOTOR AND MWD ON WAY IN. |
| 05:00 | 05:30 | 506 | drilling -- drill | ok | HELD KICK DRILL |
| 05:30 | 06:00 | 510 | drilling -- trip | ok | CONT. RUNNING IN TO DRILL FLOAT/CEMENT/SHOE |
| 06:00 | 08:00 | 525 | drilling -- casing | ok | TAGGED AT 517M. DRILLED PLUGS AND FLOAT FROM 517 TO 519 M AND CEMENT FROM 519 TO 525 M. |
| 08:00 | 09:00 | 525 | interruption -- repair | fail | ATTEMPTED TO TEST ACOUSTIC CONTROL SYSTEM, NEG. TROUBLE SHOOTING. RE-TESTED OK. |
| 09:00 | 10:00 | 531 | drilling -- casing | ok | CONT. DRILLING CEMENT FROM 525 TO 531 M. |
| 10:00 | 10:30 | 531 | moving -- position | ok | POSITIONED RIG |
| 10:30 | 12:00 | 547 | drilling -- casing | ok | DRILLED SHOE AT 531M. CLEANED OUT RAT HOLE TO 547M. PUMPED 35 M3 BENTONITE MUD. |
| 12:00 | 13:30 | 552 | drilling -- drill | ok | DISPLACED WELL TO 1.20 SG KCL MUD. DRILLED 5M NEW FORMATION FROM 547M TO 552M WHILE DISPLACING. |
| 13:30 | 15:00 | 552 | formation evaluation -- rftfit | ok | PULLED BACK TO CASING SHOE. CIRCULATED UNTIL EVEN MUDWEIGHT AROUND AND FLUSHED KILL/CHOKE LINES. PERFORMED LEAK-OFF TEST TO 1.62 SG EMW. |
| 15:00 | 17:30 | 0 | interruption -- maintain | fail | REPAIRED UPPER RACKING ARM: WELDED ON ANTI-TURN PADS FOR SWING MOTOR. |
| 17:30 | 00:00 | 633 | drilling -- drill | ok | DRILLED/SURVEYED 17 1/2" FROM 552 TO 633M: STEERED FROM 562 TO 619M AND FROM 625 TO 633M. |

Drilling Fluid

| | |
|------------------------|--------------|
| Sample Time | 23:00 |
| Sample Point | Flowline |
| Sample Depth mMD | 610 |
| Fluid Type | KCL/PAC/PHPA |
| Fluid Density (g/cm3) | 1.2 |
| Funnel Visc (s) | 67 |
| 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) | 19 |
| Yield point (Pa) | 8 |
| Filtration tests | |
| Pm filtrate () | |
| Filtrate Ltsp () | |
| Filtrate Htsp () | |

| | |
|---------------------|--|
| Cake thickn API () | |
| Cake thickn HPHT () | |
| Test Temp HPHT () | |
| Comment | |

Pore Pressure

| Time | Depth mMD | Depth mTVD | Equ Mud Weight (g/cm3) | Reading |
|-------|-----------|------------|------------------------|-----------|
| 00:00 | 762 | | 1.04 | estimated |

Survey Station

| Depth mMD | Depth mTVD | Inclination (dega) | Azimuth (dega) | Comment |
|-----------|------------|--------------------|----------------|---------|
| 533.2 | 533.2 | .79 | 216.56 | |
| 541.5 | 541.5 | .2 | 159.5 | |
| 554.3 | 554.3 | .5 | 238.7 | |
| 583.1 | 583.1 | 2 | 279.1 | |
| 612.5 | 612.4 | 4.7 | 289.4 | |
| 641.7 | 641.5 | 6.7 | 288.5 | |
| 671.9 | 671.4 | 9.1 | 287.1 | |
| 701.8 | 700.8 | 11.2 | 290 | |
| 731.2 | 729.5 | 13.4 | 285.6 | |

Lithology Information

| Start Depth mMD | End Depth mMD | Start Depth mTVD | End Depth mTVD | Shows Description | Lithology Description |
|-----------------|---------------|------------------|----------------|-------------------|--|
| 547 | 690 | 547 | 689.6 | | CLAYSTONE GRADING ARGILLACEOUS SILTSTONE |
| 690 | 740 | 689.6 | 739.3 | | CLAYSTONE |

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 | trip gas | 547 | | 547 | | .49 | | -999.99 | -999.99 | -999.99 | -999.99 | -999.99 |
| 00:00 | drilling gas peak | 660 | | 659.6 | | 1 | | 10136 | -999.99 | -999.99 | -999.99 | -999.99 |
| 00:00 | drilling gas peak | 667 | | 666.6 | | 1.6 | | 15840 | -999.99 | -999.99 | -999.99 | -999.99 |