

5.2.1. Mud Properties, Daily Report

Well no: 6507/11-2

Saga
Petroleum a.s.



| DATE | HOLE SIZE INCHES | DEPTH METERS | MUD WEIGHT ppg | P.V. | Y.P. | GEL STRENGTH | n | k | WATER LOSS | pH | ALKALINITY Pf/Mf | Ca+ ppm | CL- ppm | SAND % | SOLIDS % | COMMENTS |
|------|------------------|--------------|----------------|------|------|--------------|-----|------|------------|------|------------------|---------|---------|--------|----------|---|
| 3/5 | 17 1/2 | 1603 | 10.1 | 17 | 26 | 3/8 | .48 | 2.7 | 17.5 | 9.8 | .15/.3 | 1120 | 22000 | TR | 10 | RIH, DRI 1509-1603m, Pooh with lost bit |
| 4/5 | 17 1/2 | 1603 | 10.1 | 11 | 44 | 3/8 | .26 | 11.0 | 18 | 9.2 | .15/.3 | 2100 | 22000 | TR | 11 | Fishing for lost bit |
| 5/5 | 17 1/2 | 1685 | 10.1 | 12 | 23 | 2/6 | .42 | 3.4 | 15.8 | 10.0 | .15/.4 | 1800 | 215000 | TR | 11 | Pooh with fish, RIH, DRL 1606m to 1685m. |
| 6/5 | 17 1/2 | 1770 | 10.1 | 10 | 25 | 3/8 | .36 | 3.7 | 12.4 | 9.2 | .1/.3 | 2100 | 22000 | TR | 11 | DRL circ 8TMUP Pooh to shoe Tight 1728-1644 |
| 7/5 | 17 1/2 | 1775 | 10.3 | 23 | 41 | 3/10 | .44 | 4.2 | 14. | 9.4 | .1/.4 | 2200 | 22000 | .25 | 11.5 | Logging, RIH washbream 1587-1625, Pooh, Log |
| 8/5 | 17 1/2 | 1763 | 10.4 | 18 | 35 | 4/10 | .42 | 4.0 | 14. | 9.3 | .1/.35 | 1900 | 23000 | TR | 11.5 | Logging run 13 3/8" Csg. |
| 9/5 | 12 1/4 | 1763 | 10.3 | 18 | 14 | 3/8 | .64 | .6 | 14. | 9. | .1/.9 | 800 | 23000 | TR | 11 | CMT 13 3/8 Csg, test Bop, Make up Bha. |
| 10/5 | 12 1/4 | 1934 | 10.2 | 15 | 10 | 3/8 | .68 | .36 | 12. | 11.0 | .6/1.1 | 260 | 21000 | TR | 14 | DRL CMT 1741-1773m DRL to 1934m |
| 11/5 | 12 1/4 | 1963 | 10.3 | 16 | 11 | 3/8 | .66 | .45 | 7.8 | 10.6 | .25/.6 | 400 | 21000 | TR | 11 | DRI 1934m - 1963m, Core 1963m - 1975m |
| 12/5 | 12 1/4 | 2002 | 10.3 | 17 | 11 | 3/7 | .68 | 2.35 | 8.0 | 10.3 | .2/.7 | 400 | 20000 | TR | 11 | Cored |
| 13/5 | 12 1/4 | 2119 | 10.2 | 16 | 11 | 4/7 | .67 | 2.6 | 7.8 | 10.3 | .14/.8 | 200 | 20000 | TR | 11 | Cut core no. 3 and 4. Drilled to 2119m |
| 14/5 | 12 1/4 | 2131 | 10.3 | 18 | 12 | 5/11 | .68 | 2.7 | 8.2 | 10 | .2/10 | 220 | 20000 | 1/4 | 11 | Pooh to shoe - Rih wash to 2119 cut core *5-6 |
| 15/5 | 12 1/4 | 2273 | 10.2 | 21 | 13 | 5/12 | .70 | 2.4 | 6.2 | 10.3 | .18/10 | 260 | 20000 | 1/4 | 11 | Drilled to 2249 trip for bit Driled to 2273 |

Driled to 2273

5.2.1. Mud Properties, Daily Report

Well no: 6507/11-2

| DATE | HOLE SIZE INCHES | DEPTH METERS | MUD WEIGHT ppg | P.V. | Y.P. | GEL STRENGTH | n | K | WATER LOSS | PH | ALKALINITY PF/MF | Ca+ ppm | CL- ppm | SAND % | SOLIDS % | COMMENTS |
|------|------------------|--------------|----------------|------|------|--------------|---|---|------------|------|------------------|---------|---------|--------|----------|---|
| 18/4 | 36 | 317 | | | | | | | | | | | | | | Drilling with sea water + sweep with spud mud. Spud today. |
| 19/4 | 36 | 412 | | | | | | | | | | | | | | Drilling with sea water + sweep with spud mud. Begin running 30' csg. |
| 20/4 | 36 | 412 | 8.6 | 9 | 15 | 10/15 | | | NC | 9.2 | .1/.5 | 1200 | 2300 | .25 | - | Cement csg - run stack. |
| 21/4 | 14 3/4 | 416 | 8.6 | 8 | 18 | 10/14 | | | NC | 10.0 | .1/.4 | 1480 | 2800 | .25 | 4 | Finish run stack begin drill shoe |
| 22/4 | 14 3/4 | 833 | 9.2 | 10 | 20 | 4/12 | | | NC | 10.0 | .1/.4 | 1800 | 2500 | .25 | 4 | Wt up activ to 9.1 */gal. |
| 23/4 | 14 3/4 | 860 | 9.2 | 8 | 18 | 9/14 | | | NC | 9.0 | .1/.4 | 1400 | 2500 | .25 | 4 | Flow check all well, begin loggong. |
| 24/4 | 26 | 614 | 9.4 | 10 | 31 | 4/16 | | | NC | 9.5 | .08/.35 | 1560 | 2600 | .25 | 7 | Open hole to 26' to 614 m. |
| 25/4 | 26 | 839 | 9.5 | 10 | 30 | 8/14 | | | NC | 9.5 | .1/.4 | 1240 | 2600 | .25 | 8 | Open hole to 26' to 839 m. |
| 26/4 | 26 | 859 | 11.2 | 11 | 19 | 10/19 | | | NC | 10.2 | .08/.25 | 1100 | 2700 | .25 | 8 | Open hole to T.D. displace hole to 11.3*gel mud. Remove stack. |
| 27/4 | 20 | 860 | 11.3 | 14 | 34 | 10/24 | | | NC | 9.5 | .05/.25 | 900 | 3200 | .25 | 8 | Run 20' csg. |
| 28/4 | 20 | 845 | 8.5 | 15 | 10 | 5/10 | | | 16 | 9.5 | .15/.4 | 1900 | 21500 | .0 | 6.5 | Cement csg. + run 20' lincer |
| 29/4 | 17 1/2 | 845 | 9.2 | 21 | 13 | 8/25 | | | 14 | 9.6 | .15/.5 | 2200 | 21500 | .0 | 6.5 | Run Bop.M/U 17 1/2 Bha drill 20' shoe |
| 30/4 | 17 1/2 | 1060 | 9.3 | 14 | 7 | 4/10 | | | 18 | 9.4 | .15/.6 | 1600 | 22000 | .5 | 6 | Drill cent., kak off test drill 17 1/2 hole |
| 1/5 | 17 1/2 | 1270 | 9.4 | 14 | 7 | 7/12 | | | 20 | 9.5 | .05/.6 | 1800 | 22000 | .25 | 6.5 | Drill 1086-1312 Poh change bha |
| 2/5 | 17 1/2 | 1445 | 9.2 | 5 | 25 | 3/8 | | | 23 | 9.2 | .05/.3 | 2100 | 22000 | TR | 7 | Drill 1312-1517 Poh recover survey tool |

