

DRILLING

Start: 05/10/13 **End:** 05/10/13

Drilling company: AED

Drill rig: UDR 950

| Drilling diameter from | | to | DrillType |
|------------------------|------|----------|-----------|
| 127 mm | 0 mm | 54.00 mm | RC |

Casing Type: PVC

| Casing diameter | | from | to (m) |
|-----------------|----------|------|--------|
| Internal | External | 0 mm | 6 mm |
| 145 mm | 150 mm | | |
| mm | mm | | |
| mm | mm | | |

Drilling fluid: N/A

density: N/A **viscosity:** N/A S
salinity: N/A ppk **resistivity:** N/A ohm*m

Fluid Loss: from: XX m to: XX m

Fluid level: 13.2 m

Conditions of hole abandonment:

Grouting from Top to Bottom

LOGGING

Date: 05/10/13

Logging company: Borehole Wireline

Recorder: DGW

Time since end of drilling (min): 30

Acquisition systems: Geovista

| Stack | Probe type | LOG1 | LOG2 | Record | Serie | Run | Dir | S.(m/mn) | Step (cm) | Top (m) | Bottom |
|-------|------------|----------|----------------|-------------|-------|-----|------|----------|-----------|---------|--------|
| 1 | NGRS | GRO 3346 | eUppm GRO 3346 | NGAM | 3346 | 1 | up | 5 | 10 | 5 | 54.10 |
| 1 | DLL3 | RLLD | RLLS | RLLD - RLLS | 3279 | 1 | up | 5 | 10 | 5 | 54.10 |
| 1 | SP | SP | | SP | 3245 | 1 | down | 7.5 | 10 | 0 | 50.50 |
| 1 | VERT | AZIM | INCL | AZIM - INCL | 3333 | 1 | up | 5 | 10 | 5 | 54.10 |
| 2 | NGRS | GRO 3161 | eUppm GRO 3161 | NGAM | 3161 | 2 | up | 5 | 10 | 0 | 54.10 |
| 2 | CALX | CAL | | CAL | 3064 | 2 | up | 5 | 10 | 0 | 54.10 |
| 2 | DILS | INDD | INDS | ILS - ILD | 3601 | 2 | up | 5 | 10 | 0 | 54.10 |

GEOLOGIST: H. Franklin and G. Kern

Remarks: Kept drilling cause Geologist car to be serviced - Drilled 50m in 2 hours - Water reached.
Stack 2 shifted 30cm up to match Stack 1.
SP shifted 30cm up to match the rest of Stack 1.

LITHOLOGIES LEGEND

- Sands, Silt and Clay
- Metapelite
- Schist

COLORS LEGEND

- Grayish red
- Pale reddish brown
- Pale brown
- Light brown
- Pale yellowish orange
- Dusky yellowish brown
- Pale blue
- Medium gray
- Medium dark gray
- Brownish gray
- Brownish black

REDOX LEGEND

- Oxidised red +++
- Oxidised ocre ++
- Bleached/neutral, light beige-white

STRUCTURES LEGEND

