



ENDEAVOUR GEOPHYSICS

HARD ROCK COAL

VR015

FORMATION DENSITY LOG

1:100

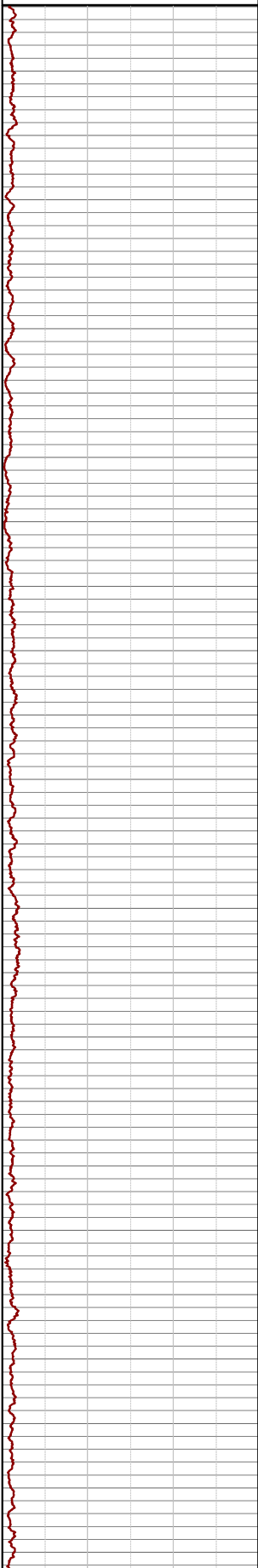
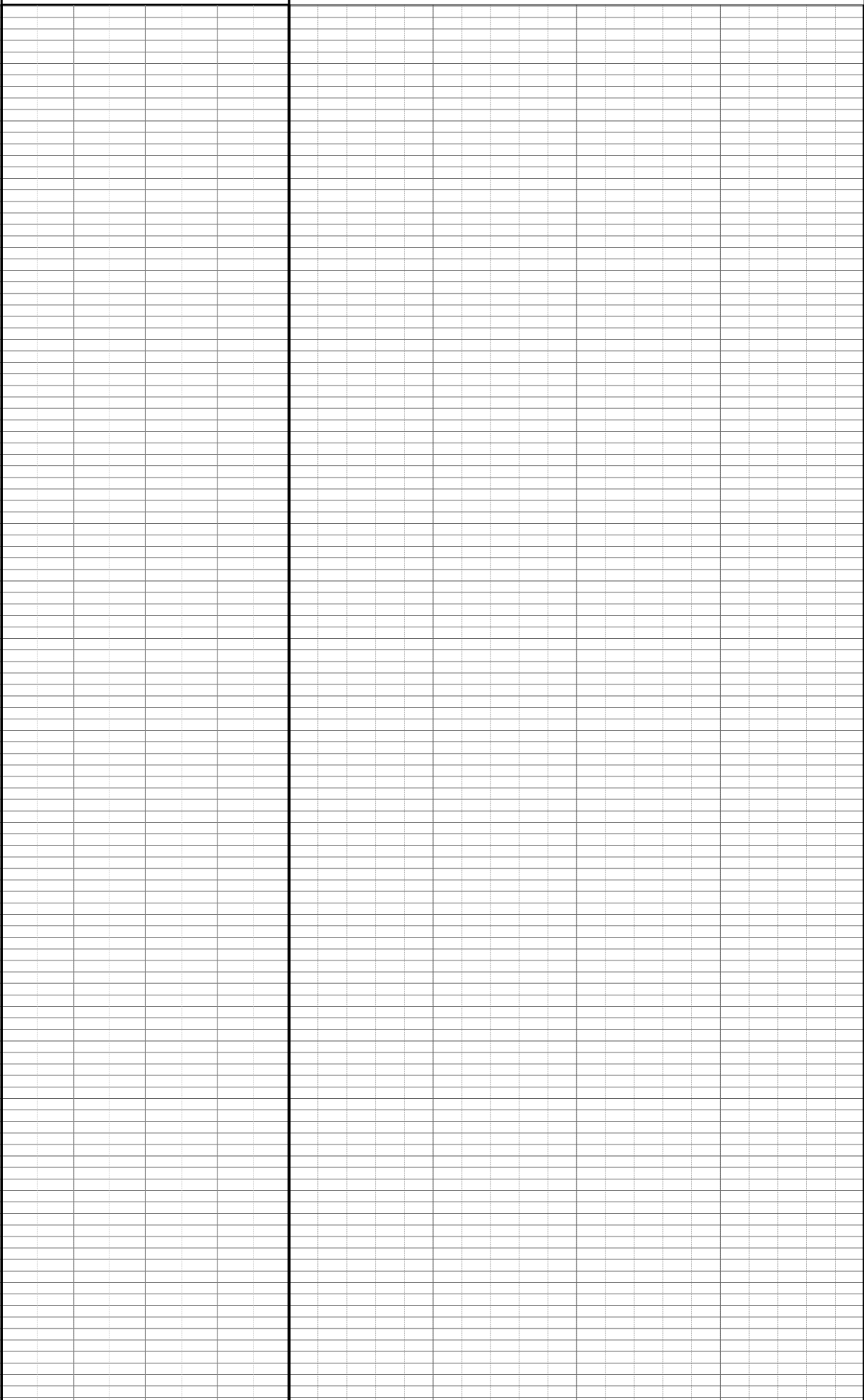
| LOCATION | | HOLE ATTRIBUTES | | | | LOGGING DETAILS | | | |
|--|----------------------|------------------|--------------------|--------|------|-----------------|-------------|-------|-----|
| LOCATION | FINGAL | DATE | 28/04/2017 | | | RECORDED BY | CALEB AMES | | |
| EL | | FLUID LEVEL | 81 m | | | WITNESSED BY | RON GREGORY | | |
| PROVINCE | | FLUID TYPE | WATER | | | UNIT | EG025 | | |
| STATE | TASMANIA | DRILLED DEPTH | 498.4 m | | | LOGGED DEPTH | 496 m | | |
| COUNTRY | AUSTRALIA | DATUM | GROUND LEVEL | | | INT LOGGED | 0-496 m | | |
| LATI | | DRILLING COMPANY | SPAULDING DRILLERS | | | LOGGING RUNS | | | |
| LONG | | DRILLING RIG | 8 | | | | | | |
| GEODETIC DATUM | GDA94 | BOREHOLE RECORD | | | | FDS(ROD) | 717 | 471 | 0 |
| COORD | MGA55 | TYPE | SIZE | FROM m | TO m | FDS(OH) | 717 | 496 | 351 |
| EASTING | 594590 | DIAM | HQ | GL | TD | FWS | S021 | 496 | 351 |
| NORTHING | 5385993 | | | | | ATV | | 496 | 351 |
| ELEVATION | 680m | | | | | FDS(OH) | 717 | 355 | 270 |
| SRVC | ENDEAVOUR GEOPHYSICS | CASING RECORD | | | | FWS | S021 | 355 | 270 |
| WEB | www.endeavourgeo.com | TYPE | SIZE | FROM m | TO m | ATV | | 352 | 270 |
| COMMENTS LOGGED WHILE RODS IN HOLE. OPEN HOLE LOGGED IN TWO SECTIONS TO ENSURE HOLE STAYED OPEN | | STEEL | HWT | 0 | 205 | FDS(OH) | 717 | 272 | 216 |
| | | RODS | HQ | 0 | 216 | FWS | S021 | 272 | 216 |
| | | | | | | ATV | | 272 | 216 |
| | | | | | | MST | | 382.5 | 216 |
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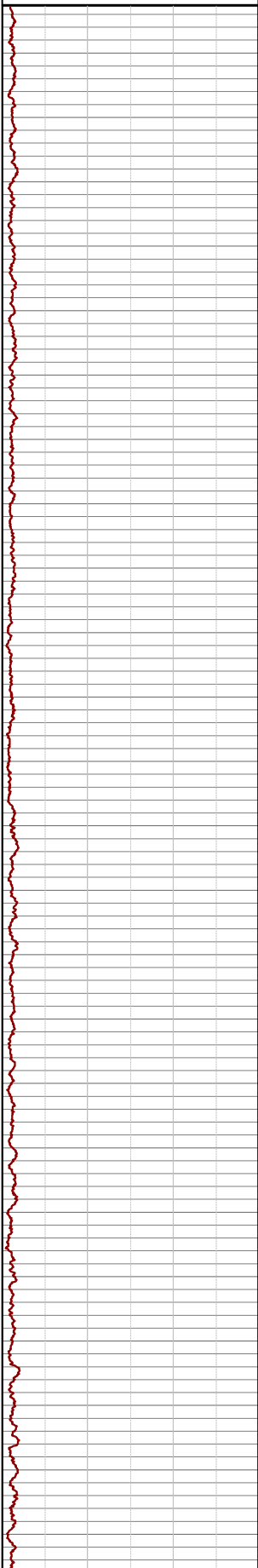
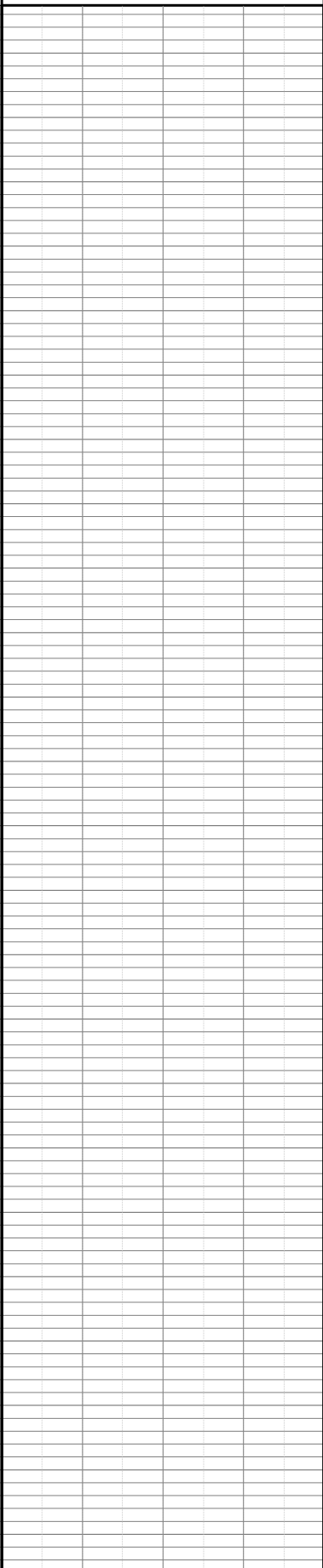
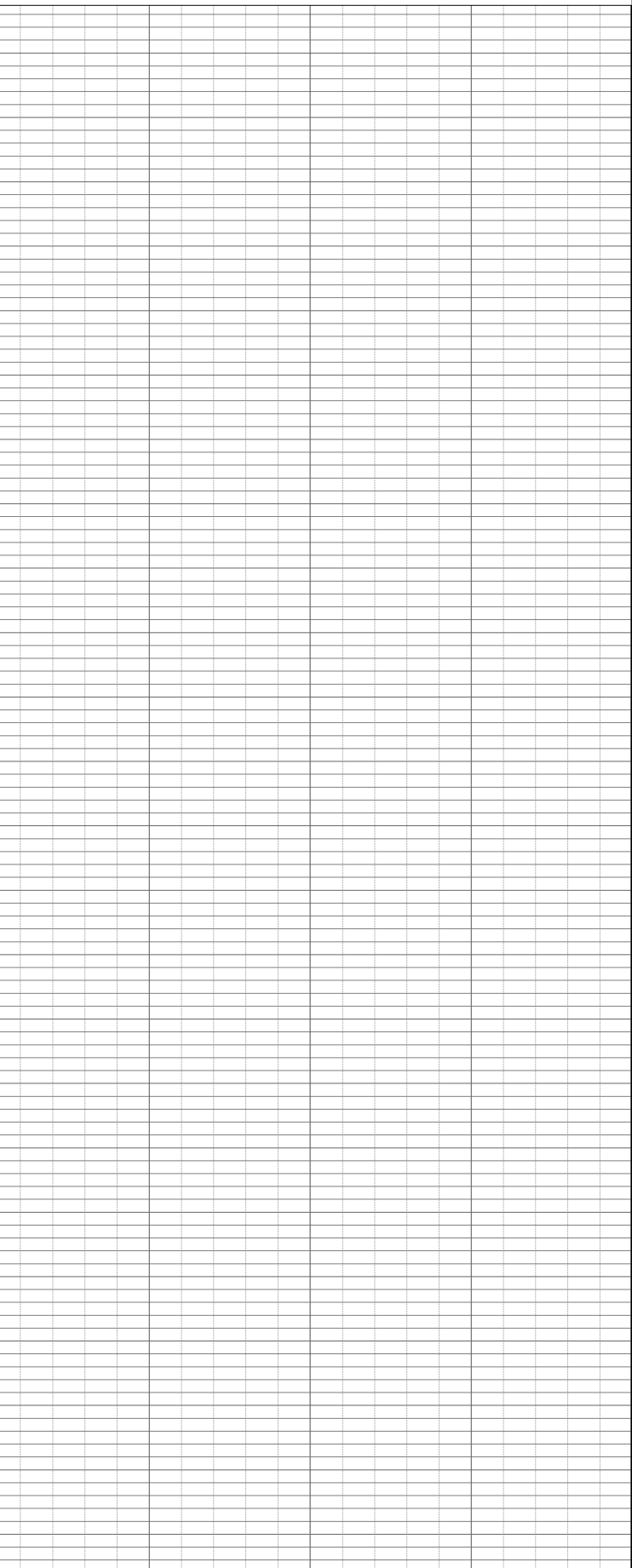
FORMATION DENSITY - FDS50

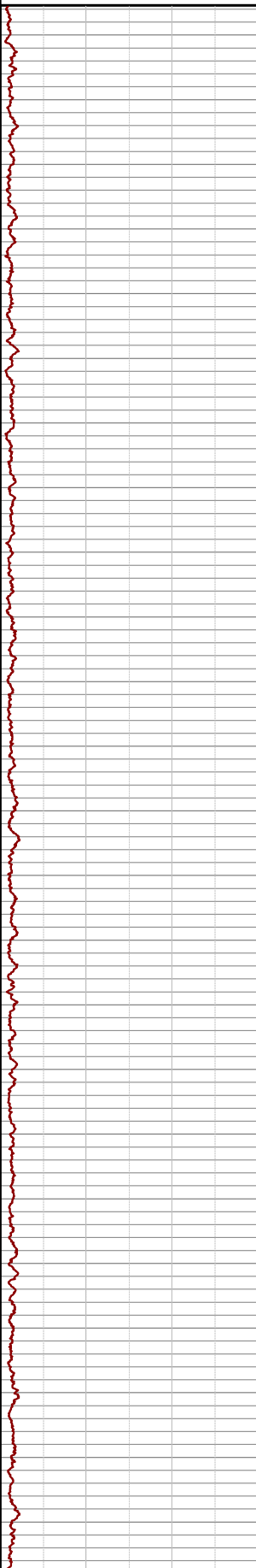
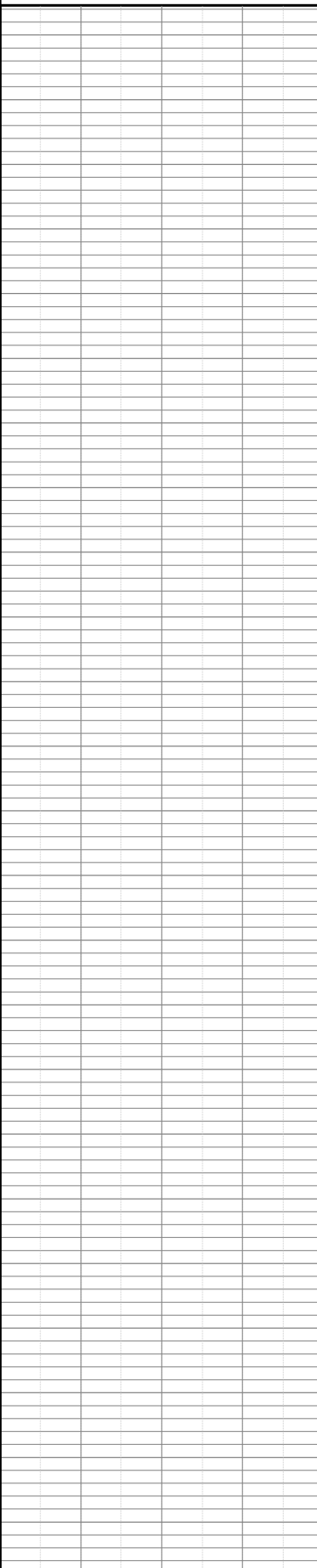
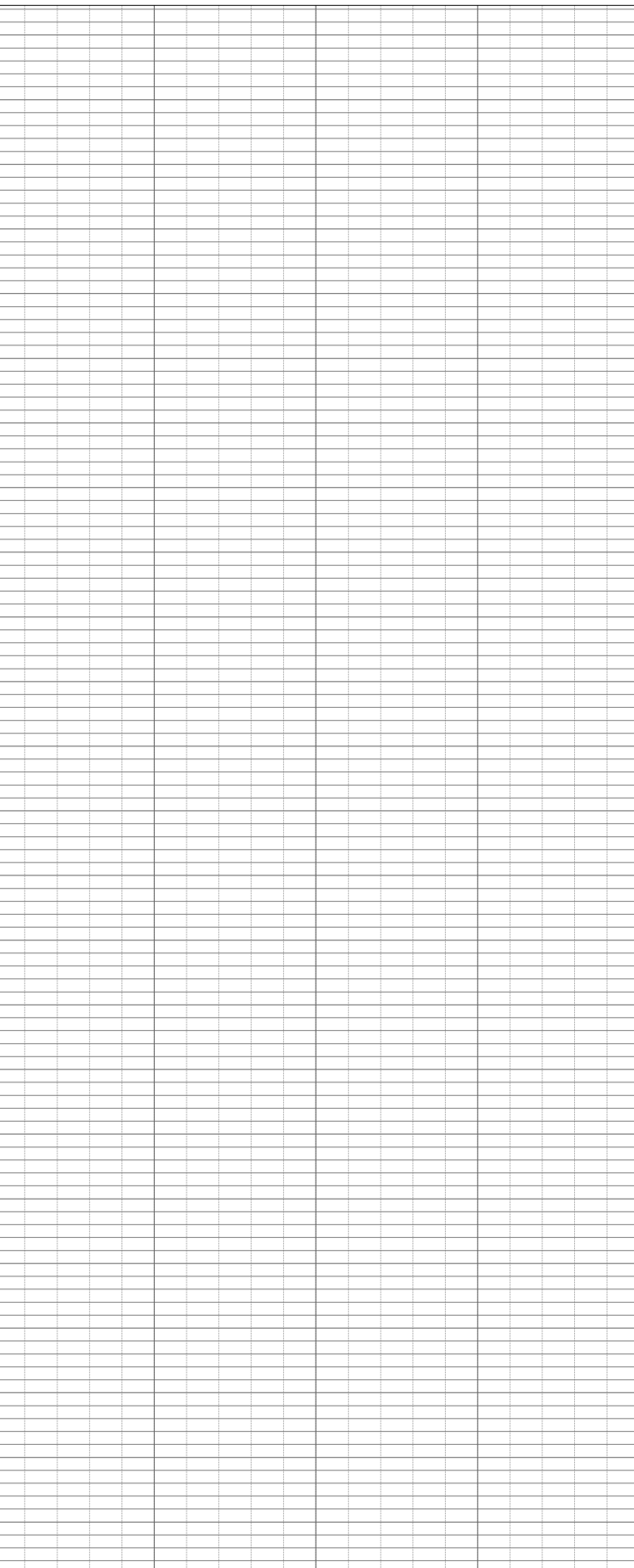


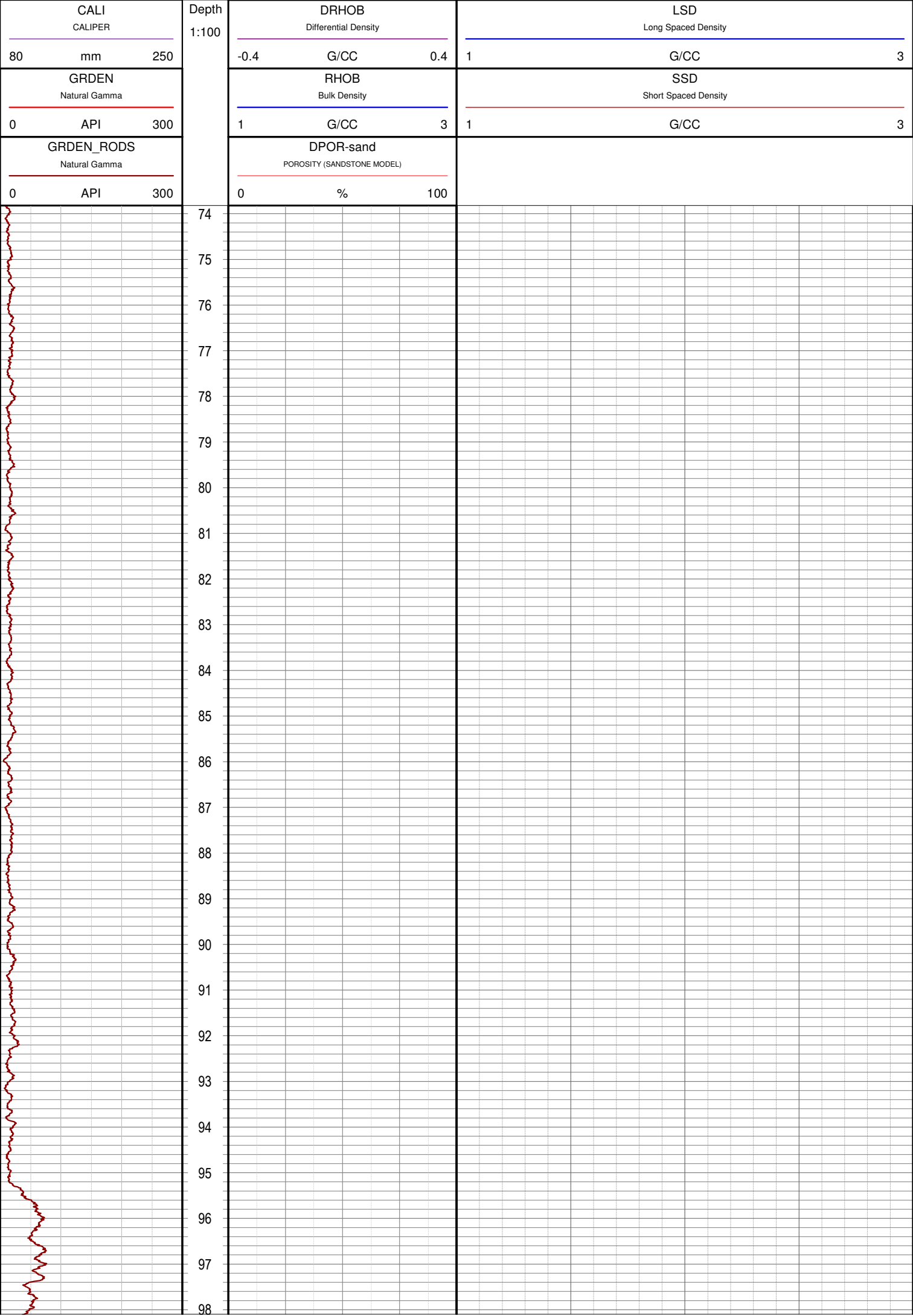
| CALIBRATION | | FDS_MNEUMONICS | ATTRIBUTES | |
|----------------------|-----------------------------|---|----------------------|--|
| FDS_CALIBRATION_DATE | 01/06/2016 | GAMMA_RAW = Uncalibrated natural gamma raw counts LSD_RAW = Long Spaced Density raw counts SSD_RAW = Short Spaced Density raw counts BRD_RAW = Bed Resolution Density raw counts CALI_RAW = Caliper raw counts GRDEN = Calibrated Gamma - API Units LSD = Calibrated Long Spaced Density - g/cc SSD = Calibrated Short Spaced Density - g/cc BRD = Calibrated Bed Resolution Density - g/cc CALI = Calibrated Caliper - in mm RHOB = Bulk Density DPOR = Porosity from Density | FDS_LENGTH | 3080mm |
| FDS_MODEL | ALT FDS-50 | | FDS_DIAMETER | 50mm |
| FDS_SERIAL_NO | 717 | | FDS_CALIPER_RANGE | 50-300mm |
| FDS_SOURCE_NO | 3500CO | | FDS_LOGGING_SPEEDS | 6m/min General 3m/min Detailed |
| FDS_SOURCE_TYPE | 3.7GBq 137Cs | | FDS_RECEIVER_SPACING | 48cm - LSD 24cm - SSD 14cm - BRD 63cm - Caliper |
| LSD_CAL | -0.5189*Ln({RAW})+5.6806 | | | |
| SSD_CAL | -1.5417*Ln({RAW})+16.8700 | | | |
| BRD_CAL | -8.6410*Ln({RAW})+98.9852 | | | |
| FDS_GAMMA_CAL | 0.6948{RAW} | | | |
| FDS_CALIPER_CAL | 0.0219*{RAW}+8.85 | | | |
| FDS_CAL_LOCATION | ADELAIDE PIT FACILITY-108mm | | | |

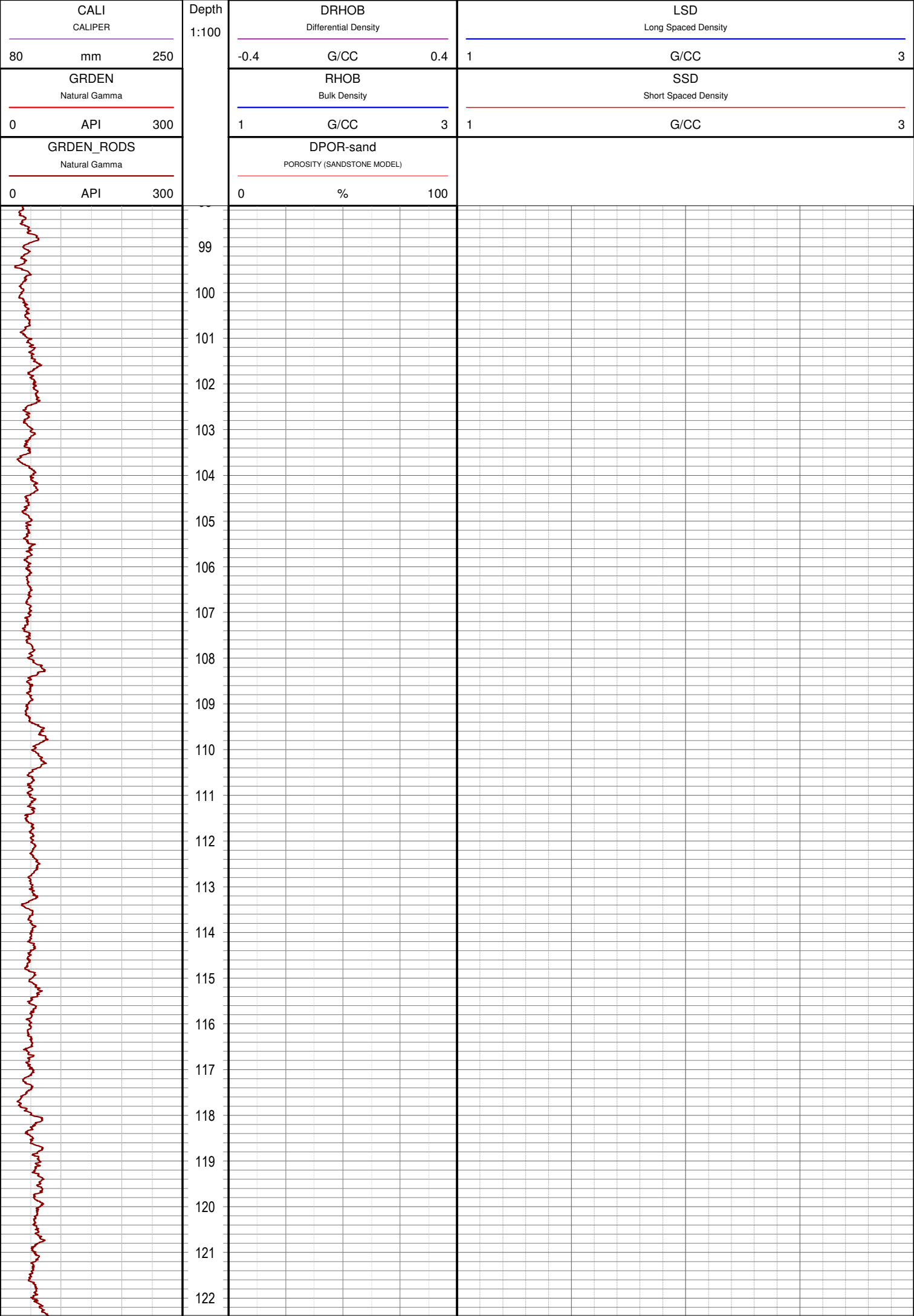
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|-----------------------------|-----|-----|----------------|---|------|-----|-----------------------------|------|---|
| CALI CALIPER | | | Depth 1:100 | DRHOB Differential Density | | | LSD Long Spaced Density | | |
| 80 | mm | 250 | | -0.4 | G/CC | 0.4 | 1 | G/CC | 3 |
| GRDEN Natural Gamma | | | | RHOB Bulk Density | | | SSD Short Spaced Density | | |
| 0 | API | 300 | | 1 | G/CC | 3 | 1 | G/CC | 3 |
| GRDEN_RODS Natural Gamma | | | 0 | DPOR-sand POROSITY (SANDSTONE MODEL) | | | | | |
| 0 | API | 300 | | 0 | % | 100 | | | |
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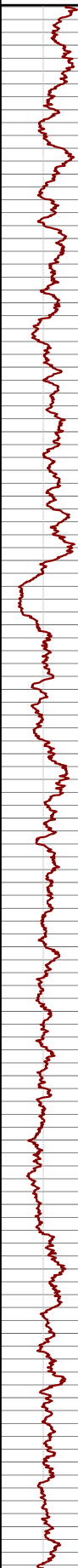
| CALI CALIPER | | | Depth 1:100 | DRHOB Differential Density | | | LSD Long Spaced Density | | | | | | | | |
|---|-----|-----|----------------|---|------|-----|-----------------------------|------|---|--|--|--|--|--|--|
| 80 | mm | 250 | | -0.4 | G/CC | 0.4 | 1 | G/CC | 3 | | | | | | |
| GRDEN Natural Gamma | | | | RHOB Bulk Density | | | SSD Short Spaced Density | | | | | | | | |
| 0 | API | 300 | | 1 | G/CC | 3 | 1 | G/CC | 3 | | | | | | |
| GRDEN_RODS Natural Gamma | | | | DPOR-sand POROSITY (SANDSTONE MODEL) | | | | | | | | | | | |
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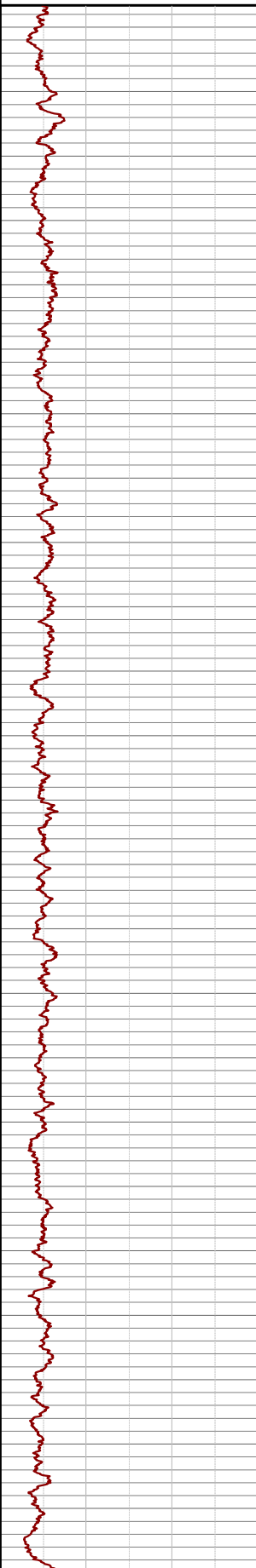
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|---|-----|-----|---|--|------|-----|---|------|--|--|--|--|--|---|--|--|
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| 0 | API | 300 | 0 | % | 100 | | | | | | | | | | | |
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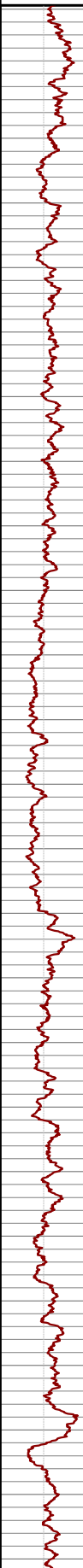
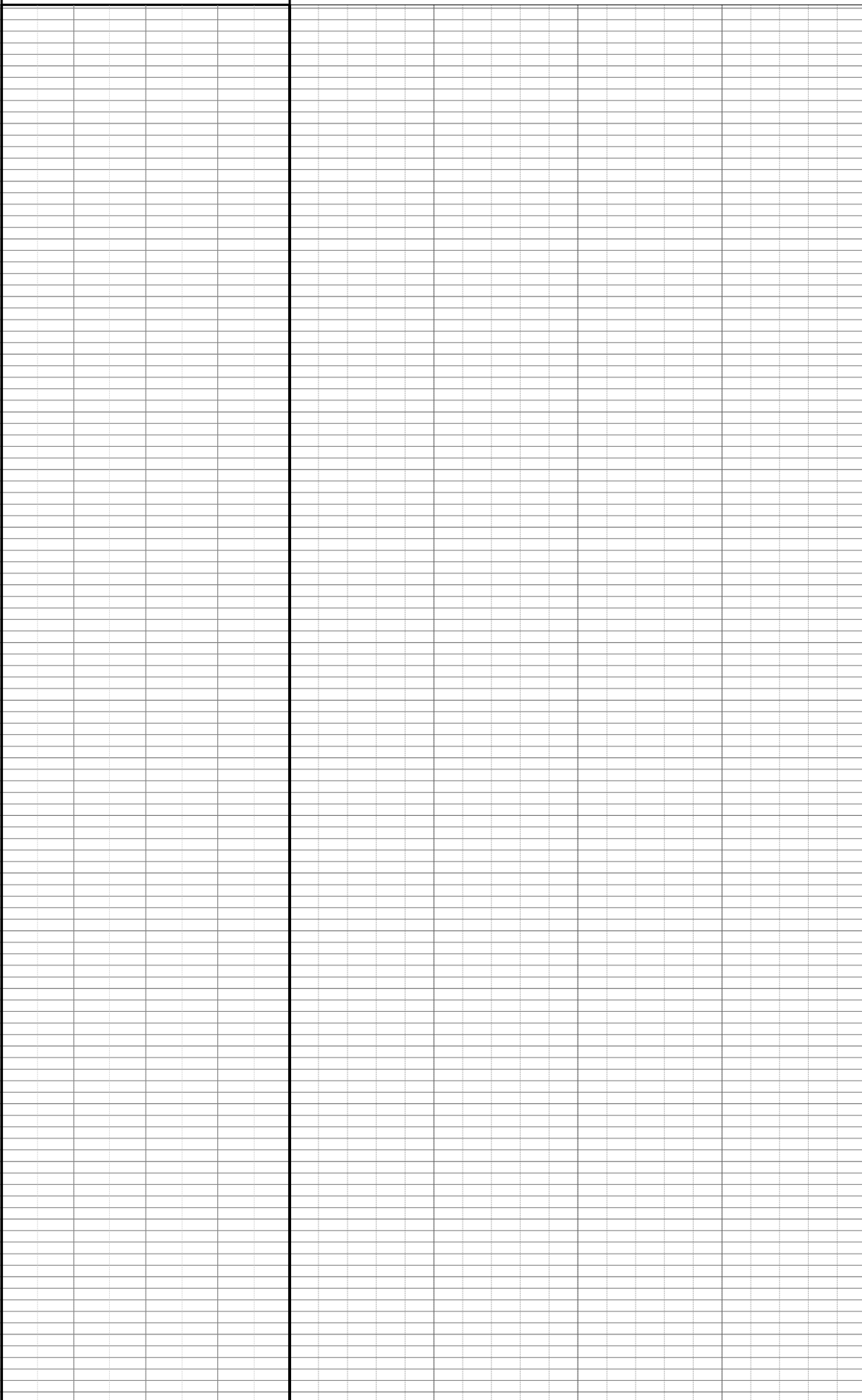
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| GRDEN_RODS Natural Gamma | | | DPOR-sand POROSITY (SANDSTONE MODEL) | | | | | | |
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| GRDEN_RODS Natural Gamma | | | | DPOR-sand POROSITY (SANDSTONE MODEL) | | | | | |
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