45 30 15 0 -15

5"

0 150

GAMMA RAY
API UNITS

8" BIT SIZE 18"

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

NEUTRON POROSITY INDEX %
LIMESTONE MATRIX

1.85 2.35 2.85
0.85 1.35 1.85

BULK DENSITY
GRAMS/CC.

-.25 0 +.25

CORRECTION
GRAMS CC.

COMPANY ESSO AUSTRALIA LTD.
WELL DONDU 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 9606
SCHL. TD 9607
DRLR TD 9603
Elev:
KB 32
DF 31
GL -269

CALIBRATION DATA

CALIBRATION AFTER SURVEY
FDC - LOG
TOOL CAL 2
ρ_2 = 808 cps
TOOL CAL 1
ρ_1 = 378 cps
REC SENS
Mechanical Zero

CALIBRATION BEFORE SURVEY
FDC - LOG
TOOL CAL 2
ρ_2 = 808 cps
TOOL CAL 1
ρ_1 = 378 cps
REC. SENS
Mechanical Zero

MASTER CALIBRATION
PGD-D 205
PDH-D 442
GRS-A 2647
SFT-106 302
APRIL 1973
ρ_1 = 378 cps
ρ_2 = 808 cps

SET SFT-106 JIG
FDC-LOG
TOOL CAL 2
ρ_2 = 808 cps
TOOL CAL 1
ρ_1 = 378 cps
REC. SENS.
MECH. ZERO
GCB-B SULPHUR BLOCK
GCB-B + MUDCAKE
GCB-B 1.91 g/cc
REC. SENS.
MECH. ZERO
GCB-A ALUMINIUM BLOCK
GCB-A + MUDCAKE
FDC - LOG
ρ = 2.59 g/cc $\Delta\rho$ = 0.015 g/cc
TOOL CAL 2
ρ_2 = 808 cps
TOOL CAL 1
ρ_1 = 378 cps
REC. SENS.
MECH. ZERO
PANEL TEST
POS. 5
POS. 4
POS. 3
POS. 2
POS. 1
TOOL CAL 2
TOOL CAL 1
REC. SENS.
MECH. ZERO

CALIBRATION AFTER SURVEY
NEAR = 115
ϕ = 18%
FAR = 51
TOOL CAL
SET MEM
REC SENS
Mechanical Zero

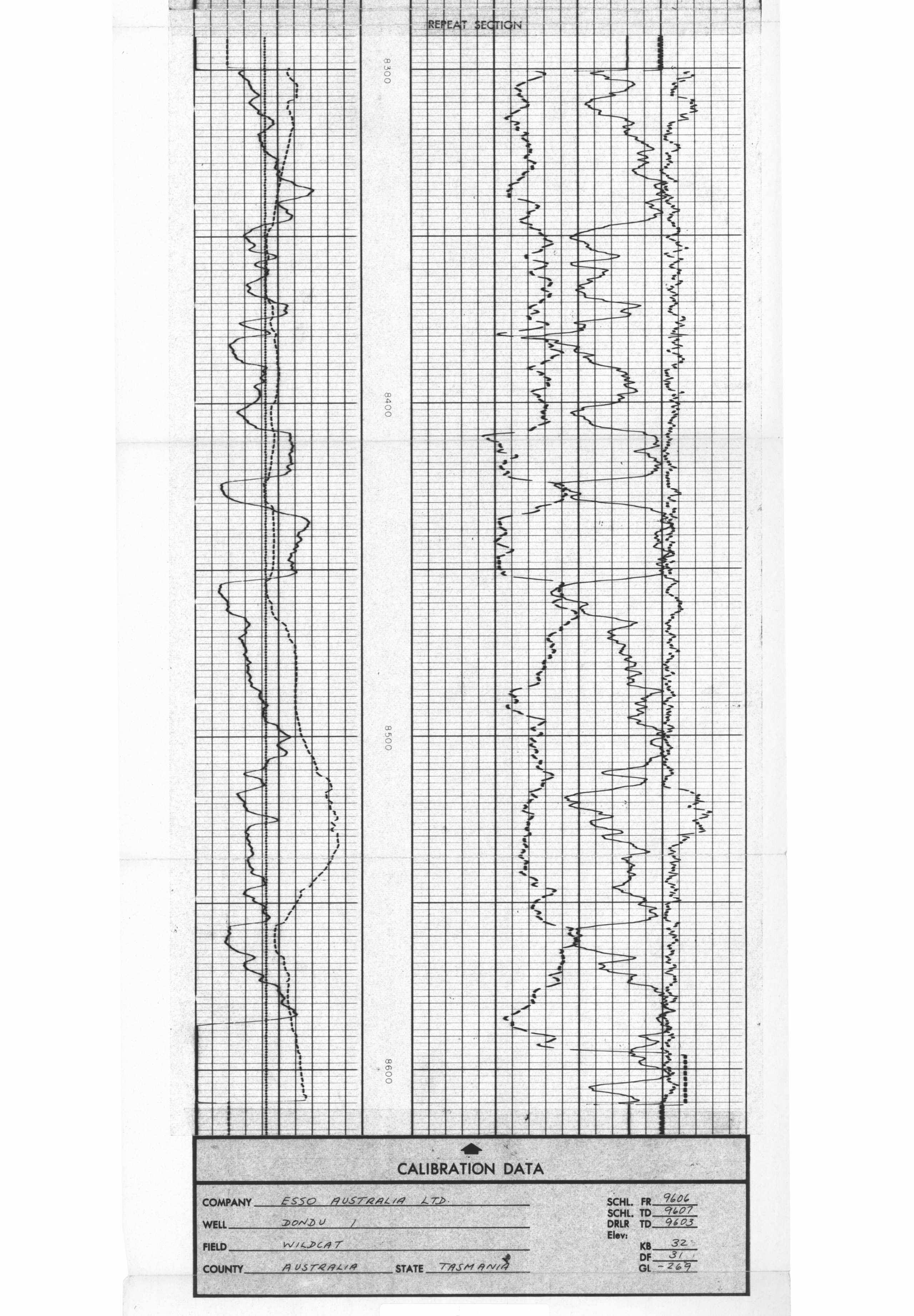
CALIBRATION BEFORE SURVEY
NEAR = 115
ϕ = 18%
FAR = 51
TOOL CAL
SET MEM
REC. SENS.
Mechanical Zero
PANEL TEST
POS. 4
POS 3
POS 2
POS 1
REC. SENS
Mechanical Zero

CNT MASTER CALIBRATION
APRIL 1973
CNC-A 65
CHP-A 62
NSR-F 121
CNB-A 65

SET JIG
45 30 15 0 -15
ϕ = 18%
NEAR = 115
FAR = 51
RATIO = 2.25
TOOL CAL
REC. SENS.
MECH. ZERO
NCT-B
SLEEVE OUT
ϕ = 2.8%
FAR = 9370.95
NEAR = 10552.80
RATIO = 1.12
SLEEVE IN
ϕ = 18%
FAR = 320.34
NEAR = 722.48
RATIO = 2.25
TOOL CAL
REC. SENS.
MECH. ZERO
PANEL TEST
POS. 3. 16"
POS. 3. 12"
POS. 3. 10"
POS. 3 8"
POS. 3. 6"
POS. 4
POS. 3
POS. 2
POS 1.
REC. SENS.
MECH. ZERO

Gamma Ray
BACKGROUND + TEST SOURCE
Background
SET MEM
REC. SENS.
Mechanical Zero

REPEAT SECTION



CALIBRATION DATA

COMPANY ESSO AUSTRALIA LTD.
WELL DONDU 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 9606
SCHL. TD 9607
DRLR TD 9603
Elev:
KB 32
DF 31
GL -269

5 cm