DEPT. MAT. RES. & ENV.

PE601449

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

ROCK LOG
(CLASTICS)

LOG No. ____

LOCATION WELL: Gippsland Basin, Vic. L15, Cobia-1

BASIN	GIPPSLAND
WELL	COBIA-1
LOCATION	Lat. 38°27'29.9" Long 148° 17' 43"
ELEVATION	GRD. – 239' K.B. 32'
STATUS	Plugged and abandoned.
TOTAL DEPTH	8511'
OLDEST FM. PENETRATED	Latrobe
COMMENTS:	10¾" casing @ 2456'

LOGGED BY	INTERVAL	DATE
J.R. BLACK	7069'–7882'	17 AUG-22 Aug
A.J. MEGGERSON	7882'–8511'	22 Aug-26 Aug

ROCK TYPES

SHALE, MARL, SILTSTONE, SANDSTONE, COAL, CONGLOMERATE, LIMESTONE (m. fr.), LIMESTONE (fn. fr.), DOLOMITE, ANHYDRITE, SALT, GYPSUM, BENTONITE, VOLCANIC, CHERTS, METAMORPHIC

LIGHT GREY, LIGHT GREEN, BROWN, YELLOW, BLACK, YELLOW, DARK BLUE, LIGHT BLUE, PURPLE, ORANGE, GREEN, ORANGE, RED, RED, RED, RED

MISCELLANEOUS

CAVINGS, LOST SAMPLES, NO SAMPLES

FRAMEWORK TYPES

NON-SKELETAL: OOLITES AND PISOLITES, LUMPS AND AGGREGATES, PELLETS, INTRACLASTS

SKELETAL: FOSSILIFEROUS, ALGAE AND ALGAL, CORAL, STROMS, BRACHIOPOD, BRYOZOA, FORAM, CRINOID, CEPHALOPODS, PELECYPODS, GASTROPOD, CALCISPHERE, ECHINOID, SPICULE

ACCESSORIES

ARGILLACEOUS, CALCAREOUS, DOLOMITIC, LS. STREAKS, SAND (Grns), SILT (Grns), ARGUIC, SILICEOUS, CHERT(S) and NO., QUARTZ CRYSTALS, CALCITE CRYSTALS, ANHYDRITIC

SIDERITIC, GLAUCONITIC, GLAUCARGILLACEOUS, PYRITIC, MICACEOUS, CARBONACEOUS MATTER, MIC. NODULES, SALT CASTS, FISH REMAINS, PLANT REMAINS, SPORES, PHOSPHATIC

ALTERATION

FRACTURED, RECRYSTALLIZED, STYLOLITIC, LEACHED, BRECCIATED, WEATHERED

POROSITY TYPES

INTERPAL, INTERGRAN, VUGULAR (0.25 mm), PINPOINT (0.025 mm), FRACTURE, EARTHY, ORGANIC

REMARKS

(ROCK NAME, final staining descriptions, etc.)

FORMATION TOPS AND/OR AGE/ZONE

DRILLING DATA: PENETRATION RATE, PERCENT & GRADE, POROSITY, GAS & STRATIGHT OR CRYSTAL SIZE

LITHOLOGY

REMARKS

SAMPLE ACCESSORIES

ROCK COLOUR

OH BOTTOM AFTER 9 days REPAIRING STUCK DUMPSAVER. BHA. HOLE IN GOOD CONDITION – NO BRIDGES. See Mud log FOR description above 7068'

Shale – LT/MED GRY, FIRM, SOFT, CALC, FOSS, TR PYRITE

SLI TR glauc

TR Tan Lmst

TR detrital coal frags.

TR Fg arenaceous

MARL: LT GRY, MED, SOFT STICKY, BENTONITIC?

TR Ltgy. SST

Shale – GRN/GR GR, SLI MICAC, FIRM

Shale - GRN/GR – GR, FIRM, SILTY, FOSS, F. MICAC.

Siltstone: LTGRN/TAN, FIRM, WKNS: INCR GLAUC.

X-RAYS:
TR FG HV FAINT CUT SD-N/ALCOF FLOR STAINED, WEK R.M.D. CUT. NVISIBLE. N.F. FRIABLE SST.
Core No 1 Int cored 7865'-7924' Rec 54' (100%) Jammed barrel
Core No 2 Int cored 7924'-52' Rec 26' (100%)

Core No 3 Intercored 7881'-7911' (Depth adjustments) Rec'd 15' (50%)

Core No 4 Int cored 7911'-25' Rec 13' (93%) Caught slipped.

Cavings (mostly taken from a report)

Sand: LOOSE, unconsol., coarse to vcg., occ.

Sand: VFG/FG LOOSE, unconsol., dgy., coarse gnd, S.R.W.C., gdly MS.

Shale: gy, fissile, gl calcareous (caving?)
Coal: blk/brn/multi

Sand: as above, some Fe staining. Tr kaolinitic flor.

Sand: a.a. some pebbles, Fe staining.

Shale: sdy, a.a. some Fe staining, tr kaolinitic flor.

Shale: sdy, a.a. Mostly not recovered, v.t. fissile, v.s.r. NO Sand: a.a. & dgy consolidated silty sand.

T.D. 8511' KB.