GUNAMALARY 2

PETROLEUM DIVISION

DEPT. NAT. RES. & ENV.
PE 61 1327

19 DEC 1986

717.6M TOTAL DEPTH

C/S RESISTANCE MUSEC/FT NEUTRON 110.00100.00 1000.000.00 OM RED/YELLOW QTZ SANDS WITH LIME-STONE BANDS QTZ GRAINS ARE SR/R WITH M/C SORTING (62.00M) 36M GREY M QTZ SANDS.A/SA GRAINS WITH P/M SORTING.MICA & PY. 54M GREY C/VC QTZ SANDS.A/SA GRAINS 62M FRIABLE GREEN SANDY MARL.F/M
PELLETS OF GLAUCONITE(?).SALT &
PEPPER APPEARANCE.BRACHIOPOD GASTROPOD PELYCEPOD AND FISH BONES PRESENT OYSTER SHELLS UNBROKEN. FORAMS SCATTERED THROUGHOUT. BOOKPURNONG BEDS (25,00M) 87M WHITE LIMESTONE LAYERS OF C/M CALCARENITE WITH SILTS AND GLAUCONITE(?) 95% BRYOZOAN FRAGMENTS MINOR FORAM ECHIND SHELL FRAGMENTSD DUDDO LIMESTONE (127₂00M) 213M CEMENTED LMS DARK CALCRETE INTERBEDDED WITH BROKEN UP LMS AND MARL. 214M BROWN POORLY BEDDED CALCAREOUS
SILTSTONE F/M CALCARENITE WITH
GLAUCONITE(7)MARL BRYOZOA AND OTHER
MINOR FORCE PRACMENTO MINOR FOSSIL FRAGMENTS. 220M INTERBO GREY MARL AND WHITE ETTRICK MARL CHALKY LMS.HARD BANDS OF CEMENTED LMS.BRYDZOA AND OTHER FOSSIL FRAG. 247M DARK GREEN GLAUCONITIC(?)MARL WITH PLANT SPORES(?) QTZ GRAINS & 250M INTERBO F WHITE MICACEOUS SANDS SILTS AND BROWN LIGNITIC CLAY(H2S). ALSO PRESENT ARE THIN(50CM)LIGNITE LAYERS. OLNEY FORMATION (158_a00M) 408M LIGHT BROWN TO GREY M MICACEOUS SANDS.SA/SR/R GRAINS M SORTING.
ABUNDANT PLANT DEBRIS.PY. WARINA SAND (79.DOM) 489M GREEN/BLUE CLAYSTONE WITH TALC FISSILE AND CUT WITH FRACTURES. 501M RED AND GREEN CLAYSTONE. 510 RED AND GREEN CLAYSTONE WITH MUD AND CLAY INTRACLASTS AND SCATTERED GRAINS OF SA GTZ AND MICAS. DIAMICTITE. 525M COBBLES AND PEBBLES OF A/R
ERRATICS INCLUDING PINK AND WHITE
GRANITE MICA SCHIST GTZT BLACK HF
GNEISS AND MINOR GREEN VOLCANICS
ALONG WITH C/VC QTZ GRAINS SET IN OFW
IN A GREEN CLAY MATRIX(TILLITE).INTER
BEDDED WITH GREEN SHALES. 535M THINNLY BEDDED GREEN CLAYSTONE WITH VERY THIN LAYERS OF SILT AND F SANDS SOME SHOWING GRADED BEDDING. SOME SMALL SCALE NORMAL FAULTING. (VARVE)? 538M HARD TILLITE(7) 542M VARVELIKE MUDSTONE WITH MINOR BLACK COAL FRAGMENTS. 547M RED TO PINK CLAYS AND MUDSTONE, SOME DIAMICTITE. 555M WHITE M/C CEMENTED SANDST. QTZ AND LITHIC GRAINS SR/R P SORTING. WHITE SILTST. GREY SHALE. 556M. COBBLES AND PEBBLES OF A/R ERATICS INCLUDING PINK AND WHITE GRANITE MICA SCHIST BLACK HF GNEISS QTZT IN OFW IN A M/C RED SANDST. MATRIX CRUDE BEDDING NOTED IN PLACES MINOR INTERBD WHITE SANDST. AND SILTST. 560M WHITE F/M QTZ SANDST. SUGARY TEXT. WITH LARGER SA CLASTS OF OF QTZ & LITHIC FRAGMENTS INCLUDING AS 570M RED AND GREEN SHALE WITH MINOR VEINLETS.SOME COAL FRAGMENTS.DIAMICTITE 576M WHITE F/M QTZ SANDST. M/W SORTED SUGARY TEXTURE.CROSSBEDDED MINOR.GRADED BEDDING.IRREGULAR RED PATCHES PROBABLY SECONDARY IRON-STAINING.FAIRLY INDURATED.LOW ANGLE BEDDING-15DEGREES TO HORIZONTAL. WHITE INDURATED SANDSTONE (146±00M)

LEGEN

- SA PARILLA SAND-fine to coarse grained red sandstone, minor tronstone
- MI BOOKPURNONG BEDS-friable glauconit-
- ic and calcareous silt and clay
- LS DUDDO LIMESTONE-white bryozoal lime
- ML ETTRICK MARL-glauconitic,calcareous
- CL OLNEY FORMATION-lignitic clays interbedded with micaceous silts
- SS WARINA SAND-fine to medium grained micaceous sandstone
- CG LATE CARBONIFEROUS-diamictite and tillite
- SS5 UPPER DEVONIAN(?)-white indurated and crossbedded sandstone

CR - CORE INTERVAL

NB:Gamma, neutron, self-potential and resistance logs were run at different ent mud resistivities for different depths: Om - 600m at 3.40hmm

570m - 717m at 5.00hmm

The resistance log is the equivalent of the short normal log which due to technical problems is a qualitative representation of the data only.No short density is plotted as the log is of poor quality.

BHT: 41 C

Log compiled by K₀Orth 1986₀