PETRO TECH–1
COMPOSITE WELL LOG

PERMIT : PEP 135
BASIN : ONSHORE GIPPSLAND
LOCATION : Latitude. 37°51'57.2"S
Longitude. 147°59'56.8"E

ELEVATION : G.L. 48.97m ASL
K.B. 50.47m ASL
DRILLED BY : DAVID HENRY
RIG : BOURNE 2OOOR

SPUDDED : : 13.00hrs 3 March, 1997
T.D. REACHED : 17.00hrs 6 March, 1997
RIG RELEASED : 13.00hrs 9 March, 1997
TOTAL DEPTH : 425m

PLUGGED BACK T.D. : CAPPED
CLASSIFICATION : APPRAISAL
STATUS : Plugged and Suspended

HOLE SIZE : 0–8m (AUGER)
445mm 0m–64m
152mm 60m–425m

MUD TYPES : :
445mm – Freshwater/Aquagel/KCL
152mm – Aquagel/Starch/KCL

MUD DATA

W	WEIGHT	kg/m3
MG	MUD GRADIENT	psi/kft
V	FUNNEL VISCOSITY	s/L
PV	PLASTIC VISCOSITY	Pa.s
YP	YIELD POINT	Pa
GEL	GEL STRENGTH	Pa
pH	ACIDITY	
F	FILTRATE	cm3/30
CK	CAKE THICKNESS	mm
S	SALINITY	kg/m3
SD	SAND CONTENT	%
O	OIL CONTENT	%
WL	WATER LOSS	cm3/30
SOL	SOLIDS CONTENT	%
pF	FILTRATE ALKALINITY	%
GYP	GYPSUM CONTENT	kg/m3

ABBREVIATIONS

NB	NEW BIT	DS	DIRECTIONAL SURVEY
NCB	NEW CORE BIT	WT	WIPER TRIP
RRB	RE–RUN BIT	POH	PULL OUT OF HOLE
CS	CASING SHOE	RIH	RUN IN TO HOLE
SWC	SIDEWALL CORES	WOW	WAIT ON WEATHER
EL	ELECTRIC LOG	LAT	LOGGED AFTER TRIP
WOB	WEIGHT ON BIT	LCM	LOST CIRCULATION MATERIAL
RPM	REVS PER MINUTE	DC	DEPTH CORRECTION
PP	PUMP PRESSURE	DST	DRILL STEM TEST
SPM	STROKES PER MINUTE	RMG	REAMING
CR	CIRCULATED RETURNS	ML	MUD LOSSES
PR	POOR RETURNS	FR	FLOW RATE
NR	NO RETURNS	FC	FLOW CHECK
TG	TRIP GAS	BR	BIT RUN
CG	CONNECTION GAS		
WTG	WIPER TRIP GAS		

SYMBOLS

NEW BIT RUN
NEW CORE BIT RUN
CASING SHOE
LINER HANGER
Recovered
SIDEWALL CORES
Not Recovered
CORED INTERVAL
WIRELINE LOGS RUN
NO SHOW
WEAK SHOW
FAIR SHOW
GOOD SHOW

PLUGS

BOTTOM	TOP	Sx CMT
425m	360m	1.9m
90m	30m	3.2m

CASING

SIZE	GRADE	SHOE	Sx CMT
457mm	CONDUCTOR	8m	
340mm		59.7m	

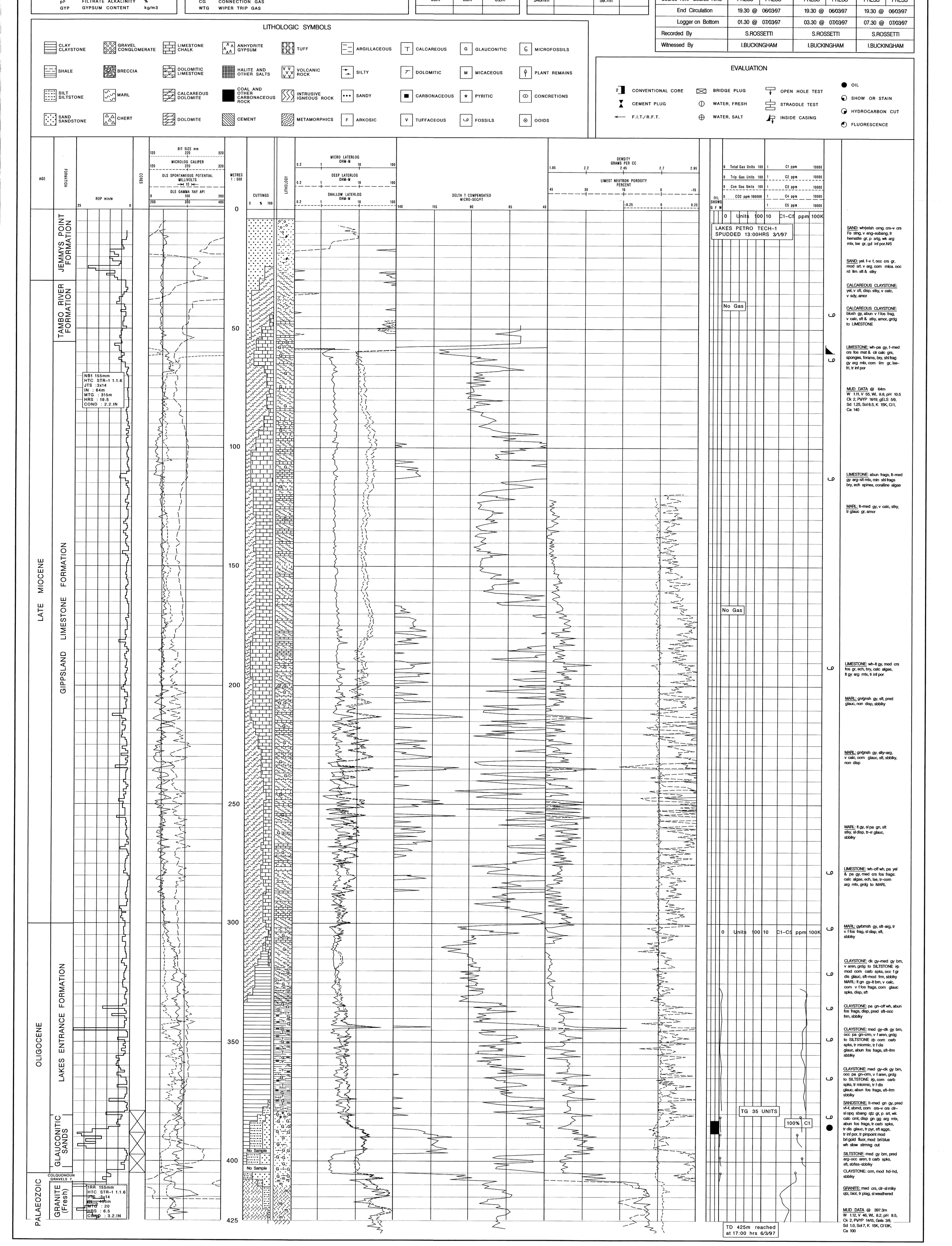
LOG SUITE	DLL / MSFL / GR / SP		CNS / PDS / GR		CSS / GR	
Date	07/03/97		07/03/97		07/03/97	
Depth–Driller	431.4m		431.4m		431.4m	
Depth Logger	431.4m		431.4m		431.4m	
Bottom Logged Interval	430.6m		430.4m		428.9m	
Top Logged Interval	0.0m		130.0m		59.67m	
Type Fluid in Hole	BENT /STARCH		BENT /STARCH		BENT /STARCH	
Density / Visc.	1.12	42	1.12	42	1.12	42
pH / Fluid Loss	9.8	6.8	9.8	6.8	9.8	6.8
Max.Rec.Temp.Deg.	31.0°C		31.0°C		31.0°C	
Source of Sample	FLOWLINE		FLOWLINE		FLOWLINE	
Rm@Meas.Temp	0.04 @ 19.4°C		0.04 @ 19.4°C		0.04 @ 19.4°C	
Rmf@Meas.Temp	0.319 @ 19.4°C		0.319 @ 19.4°C		0.319 @ 19.4°C	
Rmc@Meas.Temp	0.710 @ 19.4°C		0.710 @ 19.4°C		0.710 @ 19.4°C	
Source Rmf Source Rmc	PRESS	PRESS	PRESS	PRESS	PRESS	PRESS
End Circulation	19.30 @ 06/03/97		19.30 @ 06/03/97		19.30 @ 06/03/97	
Logger on Bottom	01.30 @ 07/03/97		03.30 @ 07/03/97		07.30 @ 07/03/97	
Recorded By	S.ROSSETTI		S.ROSSETTI		S.ROSSETTI	
Witnessed By	I.BUCKINGHAM		I.BUCKINGHAM		I.BUCKINGHAM	

LITHOLOGIC SYMBOLS

CLAY / CLAYSTONE
GRAVEL / CONGLOMERATE
LIMESTONE / CHALK
ANHYDRITE / GYPSUM
TUFF
ARGILLACEOUS
CALCAREOUS
GLAUCONITIC
MICROFOSSILS
SHALE
BRECCIA
DOLOMITIC LIMESTONE
HALITE AND OTHER SALTS
VOLCANIC ROCK
SILTY
DOLOMITIC
MICACEOUS
PLANT REMAINS
SILT / SILTSTONE
MARL
CALCAREOUS DOLOMITE
COAL AND OTHER CARBONACEOUS ROCK
INTRUSIVE IGNEOUS ROCK
SANDY
CARBONACEOUS
PYRITIC
CONCRETIONS
SAND / SANDSTONE
CHERT
DOLOMITE
CEMENT
METAMORPHICS
ARKOSIC
TUFFACEOUS
FOSSILS
OOIDS

EVALUATION

CONVENTIONAL CORE
CEMENT PLUG
F.I.T./R.F.T.
BRIDGE PLUG
WATER, FRESH
WATER, SALT
OPEN HOLE TEST
STRADDLE TEST
INSIDE CASING
OIL
SHOW OR STAIN
HYDROCARBON CUT
FLUORESCENCE



SAND: wh/yelsh orng. crs–v crs Fe stng, v ang–subang, tr hematite gr, p srtg, wk arg mtx, lse gr, gd inf por.N/S

SAND: yel, f–v f, occ crs gr, mod srt. v arg. com mica. occ rd lim. sft & stky

CALCAREOUS CLAYSTONE: yel, v sft, disp. stky, v calc, v sdy, amor

CALCAREOUS CLAYSTONE: blush gy, abun v f fos frag, v calc, sft & stky, amor, grdg to LIMESTONE

LIMESTONE: wh–pa gy, f–med crs fos mat & clr calc grs, sponges, forams, bry, shl frag gy arg mtx, com lim gr, lse–fri, tr inf por

MUD DATA @ 64m
W 1.11, V 55, WL 8.8, pH 10.5 Ck 2, PV/YP 16/9, gELS 5/9, Sd 1.25, Sol 6.5, K 15K, Cl 1, Ca 140

LIMESTONE: abun frags, lt–med gy arg–slt mtx, min shl frags bry, ech spines, coralline algae

MARL: lt–med gy, v calc, stky, tr glauc gr, amor

LIMESTONE: wh–lt gy, med crs fos gr, ech, bry, calc algae, lt gy arg mtx, fr inf por

MARL: gn/gnsh gy, sft, pred glauc, non disp, sbblky

MARL: gn/gnsh gy, slty–arg, v calc, com glauc, sft, sbblky, non disp

MARL: lt gy, sl pa gn, sft stky, sl disp, tr–rr glauc, sbblky

LIMESTONE: wh–off wh, pa yel & pa gy, med crs fos frags: calc algae, ech, lse, tr–com arg mtx, grdg to MARL

MARL: gy/brnsh gy, sft–arg, tr v f fos frag, sl disp, sft, sbblky

CLAYSTONE: dk gy–med gy brn, v aren, grdg to SILTSTONE i/p mod com carb spks, occ f gr dis glauc, sft–mod frm, sbblky
MARL: lt gn gy–lt brn, v calc, com v f fos frags, com glauc spks, disp, sft

CLAYSTONE: pa gn–off wh, abun fos frags, disp, pred sft–occ frm, sbblky

CLAYSTONE: med gy–dk gy brn, occ pa gn–crm, v f aren, grdg to SILTSTONE i/p com carb spks, tr micrmic, tr f dis glauc, abun fos frags, sft–frm sbblky

CLAYSTONE: med gy–dk gy brn, occ pa gn–crm, v f aren, grdg to SILTSTONE i/p, com carb spks, tr micrmic, tr f dis glauc, abun fos frags, sft–frm sbblky

SANDSTONE: lt–med gn gy, pred vf–f, sbrnd, com crs–v crs clr–sl opq sbang qtz gr, p srt, wk calc cmt, disp gn gg arg mtx, abun fos frags, tr carb spks, tr dis glauc, tr pyr, sft aggs, tr inf por, tr pinpoint mod bri gold fluor, mod bri blue wh slow strmng cut

SILTSTONE: med gy brn, pred arg–occ aren, tr carb spks, sft, sbfiss–sbblky

CLAYSTONE: crm, mod hd–hd, sbblky

GRANITE: med crs, clr–sl mlky qtz, biot, tr plag, sl weathered

MUD DATA @ 397.3m
W 1.12, V 46, WL 8.2, pH 9.5, Ck 2, PV/YP 14/15, Gels 3/9, Sd 1.0, Sol 7, K 15K, Cl 13K, Ca 100