HALLIBURTON

FORMATION EVALUATION LOG

WELL: PETRO TECH 1

DEPT. NAT. RES & ENV. PE600640

COMPANY	: LAKES	SPUD DATE	: 01/03/1997
RIG	: DAVID HENRY BOURNE 2000	TO DATE	: 06/03/1997
AREA	: GIPPSLAND BASIN	TO DRILLER	: 425 m (425 m TVD)
COUNTRY	: AUSTRALIA	TO WIRELINE	: 425 m (425 m TVD)
LOCATION	: LAKES ENTRANCE	LOGGED FROM	: SURFACE @ 8 m
ELEVATION	: Air Gap 3.00 m (RT-MSL)	LOGGED TO	: 425 @ 425 m
	Water Depth m (MSL-SB)	STATUS	: PLUGGED AND ABANDONED
DEPTH REF.	: ROTARY TABLE		

WELL CONFIGURATION

BIT SIZE mm	HOLE DEPTH m	CASING SIZE mm	SHOE DEPTH m
444.0	64	340.0	60
155.0	425		

LOGGING ENGINEERS @

G. ROUSE
B. BARWICK

LOGGING UNIT No 69

DEPTH SCALE 1:500

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

ABBREVIATIONS

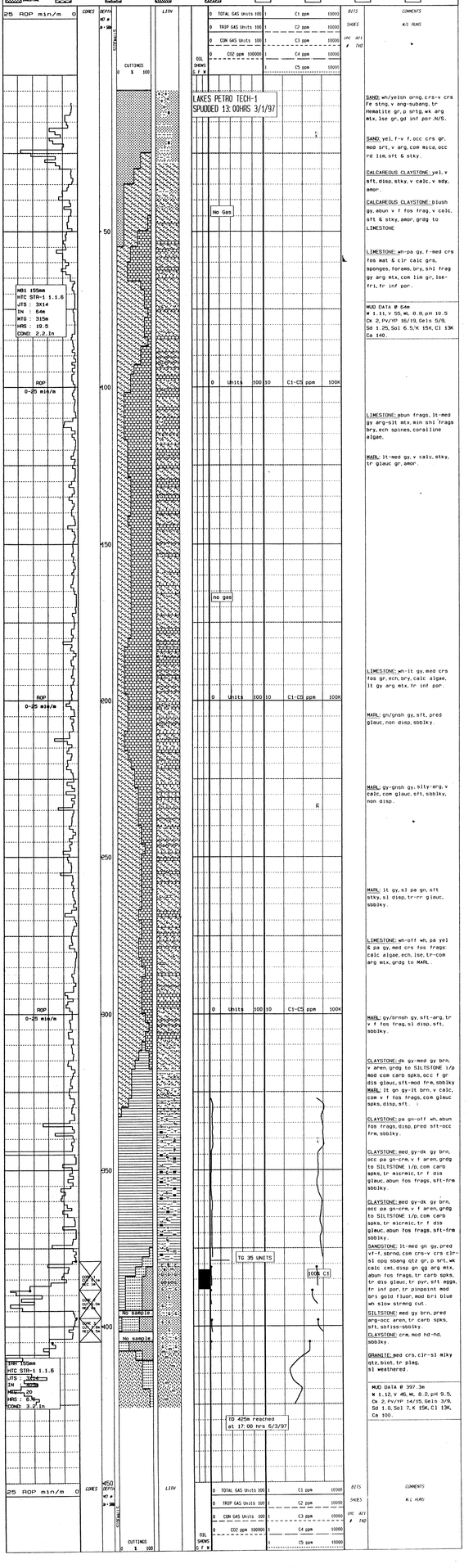
NB	NEW BIT	DS	DIRECTIONAL SURVEY
NCB	NEW CORE BIT	WI	WIPER TRIP
RRB	RE-RUN BIT	POH	PULL OUT OF HOLE
CS	CASING SHOE	RIH	RUN IN TO HOLE
SWC	SIDEWALL CORES	WOW	WAIT ON WEATHER
EL	ELECTRIC LOG	LAT	LOGGED AFTER TRIP
WOB	WEIGHT ON BIT	LCM	LOST CIRCULATION MATERIAL
RPM	REVS PER MINUTE	DC	DEPTH CORRECTION
SPP	STANDPIPE PRESS	OFF	OFFSET WELL
DT	DRILLING TIME/METRE	TEST	DRILL STEM TEST
CR	CIRCULATED RECORDS	ML	MUD LOSSES
PR	PRIOR RECORDS	FO	FLOW RATE
NR	NO RETURNS	FC	FLOW CHECK
TG	TRIP GAS	GR	BIT RUN
CG	CONNECTION GAS		
WTG	WIPER TRIP GAS		

MUD DATA

w	WEIGHT	sg/sg	
MG	MUD GRADIENT	psi/ft	
V	FUNNEL VISCOSITY	s/L	
PV	PLASTIC VISCOSITY	Pa s	
YP	YIELD POINT	Pa	
GEL	GEL STRENGTH	Pa	
pH	ACIDITY		
F	FILTRATE	cm3/30	
Fm	CAKE THICKNESS	mm	
	CL	g/L	
SD	SAND CONTENT	%	
O	OIL CONTENT	%	
WL	WATER LOSS	cm3/30	
SDA	SOLIDS CONTENT	%	
pF	FILTRATE ALKALINITY	%	
CaP	GYPSUM CONTENT	sg/kg	

LITHOLOGY SYMBOLS

CLAY / CLAYSTONE; GRAVEL / CONGLOMERATE; SHALE; BRECCIA; SILTSTONE; COAL; LIMESTONE; MARL; LIMESTONE; SANDSTONE; GLAUCONITE; OOLITE; PELLETS AND FECAL PELLETS; COAL CARBON MATERIAL; DOLOMITE; CEMENT; TUFF; VOLCANIC ROCK; SILTY; SANDY; CARBONACEOUS; ARGILLACEOUS; CALCAREOUS; DOLOMITIC; PYRITIC; GLAUCONITIC; MICACEOUS; PHOSPHATIC; FOSSILIFEROUS; CALCISILTITE OR CALCAREOUS SILTSTONE; CALCISANDSTONE OR CALCAREOUS SANDSTONE; METAMORPHICS; ANHYDRITE; GYPSUM; FOSSILS; ROOTS; CEMENT



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, fr int por.

MUD DATA @ 64m
W 1.11, V 55, WL 8.0, pH 10.5
Ck 2, PV/YP 16/19, Gels 5/9,
Sd 1.25, Sol 6.5,% 15K, Cl 13K
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 int por.

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

MARL: gy-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, ise, 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 micmic, 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 micmic, tr f dis glauc, abun fos frags, sft-frm sbblky.

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

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

CLAYSTONE: crm, mod hd-md, sbblky.

GRANITIC: med crs, clr-sl alky stz, 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,% 15K, Cl 13K, Ca 100.