

DEPT. NAT. RES & ENV  
PE601444

# BAROID ppm LOG

WELL MACKEREL NO. 4  
 COMPANY ESSO AUSTRALIA LTD.  
 FIELD WILDCAT  
 COUNTY GIPPSLAND STATE VICTORIA  
 BASIN

INTERVAL LOGGED 955 FT TO 8700 FT  
 DATE LOGGED FEBRUARY 14, 1973 TO MAY 5, 1973  
 DEPTH MEASURED FROM KELLY BUSHING

SUPERVISING ENGINEER VIC RICHARD UNIT NO 8809  
 TYPE MUDS NATIVE-SEAWATER TO 5735 FT  
LIGNOSULFONATE TO 8700 FT

## LEGEND

### ABBREVIATIONS

NB	NEW BIT	W	WEIGHT <u>X</u> LBS/GAL _____ LBS/CU FT
NCB	NEW CORE BIT	V	VISCOSITY, API, SECONDS
CO	CIRCULATED OUT	F	FILTRATE, API, CC'S
DST	DRILL STEM TEST	CK	FILTER CAKE
LAT	LOGGED AFTER TRIP	S	SALINITY <u>X</u> PPM CL <sup>-</sup> _____ GPG CL <sup>-</sup>
TG	TRIP GAS	Rm	MUD-RESISTIVITY, OHM-METER
NR	NO RETURNS	Rmc	MUD-CAKE RESISTIVITY, OHM-METER
DS	DIRECTIONAL SURVEY	Rmf	MUD-FILTRATE RESISTIVITY, OHM-METER
DC	DEPTH CORRECTION		

### LITHOLOGY

SAND		LIMESTONE	
SHALE		OOLITIC LIMESTONE	
CLAY		DOLOMITE	
CHERT		GYPSUM, ANHYDRITE	
SALT		COAL OR LIGNITE	
SILTSTONE		GRANITE WASH	
CONGLOMERATE		MARL	

### DRILLING RATE

FT. PER HR.  
 MIN. PER FT.

500 300 100  
 ↓ ↓ ↓  
 VISUAL POROSITY  
 GST

### ppm HYDROCARBONS IN MUD M=1000

DEPTH	C <sub>1</sub>				C <sub>2</sub>		C <sub>3</sub>		C <sub>4</sub>		C <sub>5+</sub>	
	0	1M	5M	10M	0	1M	0	1M	0	1M	0	1M
	0	25	50	75	0	25	0	25	0	1M	0	1M

### CUTTINGS ANALYSIS

TOTAL GAS \_\_\_\_\_  
 METHANE \_\_\_\_\_  
 LIQUID HYDROCARBONS (C<sub>6+</sub>) \_\_\_\_\_  
 25 50 75  
 ↓ ↓ ↓  
 OIL TSG