OFFSHORE 22

376055

ENCLOSURE 3a

OR-348

BAROID ppm LOG

WELL YURONGI NO. 1
COMPANY ESSO AUST. LTD.
FIELD BASS BASIN / WILDCAT
COUNTY ______ STATE TAS.

INTERVAL LOGGED 800 FT TO 8000 FT
DATE LOGGED 4-JULY-1973 TO 12-7-73
DEPTH MEASURED FROM R.T., ELEV. = 307'

SUPERVISING ENGINEER D.L. GEORGE UNIT NO 8809
TYPE MUDS SEA WATER/NATIVE TO 3550 FT
LIGNOSULFONATE TO TD FT
2ND ENGR. - K. McDONALD

5 cm

LEGEND

ABBREVIATIONS

			MUD CHARACTERISTICS
NB	NEW BIT	W	WEIGHT ☒ 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 ☒ PPM CL⁻ ☐ GPG CL⁻
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	▨		

PPM C_1 —— PPM C_2 —— PPM C_3 —— PPM C_4 —— PPM C_5 ——
HOT WIRE - - - - CO_2 - - - - H_2S - - - -

NB-1, OSC-3AJ
5.6 HRS.

WATER DEPTH: 272'
SET 20" CSG. TO 737'

STARTED LOGGING 1930 HRS, JULY 4, 1973.

HOT WIRE GAS, 30 UNITS = 1% GAS IN AIR.

DRILLING W/ SEA WATER.

DRLG. 13-3/4" HOLE, OPENING TO 16-1/2" W/ UNDERREAMER.

SKELETAL LIMEST.: WH, UNSOL., MAINLY CORAL & BRYOZOAN MTRL. SOME FORAMS.

LIMESTONE: WH, ENTIRELY SKELETAL MTR. MAINLY CORAL & BRYOZOAN FRAGS, SOME FORAMS., UNCONSOL.

CHANGE DRILL RATE SCALE: 1500 1000 500

SKELETAL LMSTN., A/A.

5-JULY-73

LIMESTONE: WH., SKELETAL MTRL, UNCONSOL, AS BEFORE.

SKELETAL LMSTN A/A

SKELETAL LMST., A/A

DISPLACE SEA WATER W/ LIGNOSULFONATE MUD. (SPUD MUD SAVED FROM LAST WELL).

LIMESTONE, WH., PREDOM SKELETAL MTRL, AS BEFORE: CORAL & BRYOZOAN FRAGS & FORAMS. TR MICRITIC LMST.

NB-2

NB-2 (12-1/4) USED TO DRILL OUT CSG. SHOE.

MARL: LT GY/GY GRN, MOD FRM, GUMMY.

6-7-73
NB-3 X3A
6.3 HRS

RAN 13 3/8 CSG. AT 3000'
SHOE AT 2948'

DRLG. 9-7/8" HOLE.

MARL, A/A

MUDSTONE, LT GY, GREENISH GY, SFT - MOD FIRM, TR PYRITE.

A/A W/ TR GLAUC.

DRLG. W/ ONE PUMP.

MUDSTONE, A/A, LT. GY, SFT. - MOD. FIRM, SOLUBLE - GUMMY, W/ TR GLAUC & BCM SILTY IN PART.

REPLACED SPUD MUD W/ NEW LIGNOSULFONATE MUD.

WT 10.0
VIS 44
pH 9
F 14.2
CL⁻ 6800

A/A, BCM BROWNISH, TR PYRITE.

7-7-73

RAN CARBIDE LAG CHECK.

DRLG. W/ ONE PUMP, 3400'-4250'
6 HRS

MUDSTONE, A/A, LT GY - LT BR, SILTY IN PT., TR PYRITE, SOME GLAUC & OCC. FOSSIL REMAINS. TR DOLOMITE, BRN, APHANITIC, HARD.

A/A, GREENISH.

PPM C_1 —— PPM C_2 —— PPM C_3 —— PPM C_4 —— PPM C_5 ——
HOT WIRE - - - - CO_2 - - - - H_2S - - -

MUDSTONE, A/A LT BR, SILTY, SFT - MOD FIRM, SOL - GUMMY, TR PYRITE.

WT 10.0
VIS 44
pH 9
F 7
CL⁻ 6400

SILTSTONE, DOL, TAN, HARD, SILT - VFN SD SIZE, W. SRTD, RND, CLR QTZ, W. CMTD W/ DOL. W/ MINOR GLAUC.

DRILL RATE SCALE CHANGE 300 200 100

DRLG. W/ TWO PUMPS

CLAYST./SHALE, BRN, SOFT TO MOD FIRM, NON FISSILE.

SHALE, MED. BRN, SOFT - MOD FIRM, GUMMY, NON FISS, A/A W/ MINOR BRN, XTL DOL, SLTY.

DRLG. W/ ONE PUMP
1 HR.

NB-4 XDG
7 HRS

DEPTH CORRECTION AT NB-4
4393' = 4421'

DEV. = 1-1/4°

SHALE, A/A, W/ SILTSTONE, LT BR, ARGIL., MOD FIRM & SANDSTONE, WH., UNCONSOL., CRS - V. CRS, MOD SRT, SB ANG QTZ. ABDT PYRITE.

SANDSTONE, A/A V. CRS, UNCONSOL PYRITIC. W/ SHALE, SOFT, CHOC. BR, NON FISS. & COAL, BLK BRIT, EARTHY - VITR.

SHALE & SAND A/A W/ SLTST, MED. BR, ARGIL, SOFT.

RAN CARBIDE LAG CHECK.

SANDSTONE, A/A MAINLY CRS - V. CRS, UNCONSOL, SB ANG, QTZ, INTBD W/ COAL A/A, MINOR SILTSTONE & SHALE. ABDT. PYRITE.

8-7-73
NB-5 J22
33.9 HRS

SANDSTONE, A/A, BCM FN - M. GRND, MOD CONSOL & APPEARING AS AGGR IN SPLS. FROM 5430'. PYRITIC, W/ INTBD COAL, & MINOR BR, CARB SHALE.

WT 9.9
VIS 45
pH 9.2
F 4.8
CL⁻ 5400

SANDSTONE, A/A, FN - M. GRAINED AGGR, W/ ABDT LOOSE, V. CRS GNS. PYRITIC W/ INTBD COAL & CARB SHALE, & SILTST, TAN - BR, QTZOSE, CLEAN - ARGIL.

SHALE, SILTST, SDST & COAL, A/A.

9-7-73

SANDSTONE, AT 6300', V. CRS, UNCONSOL, SB ANG QTZ, W/ CHERT, JASPER & LITHIC GRAINS.

— CIRC. SPL.

SILTST, GRD TO FN CONSOL SDST, TAN, DOL CMTD IN PT. W/ SHALE & COAL A/A.

WT 9.8
VIS 42
pH 10
F 4.2
CL⁻ 4100

SILTST, SDST, SH, & COAL, A/A.

RAN CARBIDE LAG CHECK.

SANDSTONE, SILTST., & SHALE, A/A.

WT. 9.8
VIS 42
pH 9.8
F 5.4
CL⁻ 4400

CORE NO. 1, SANDSTONE, LT GY, SL CALC, VFN - FN, MOD SRT, SB RND - SB ANG, W. CPCT, MOD CMTD.

CB-1 C20
10-7-73

CORE NO. 1, 7044'-7074', RCD. 30'.

NB-6 XDG
6 HRS

A/A W/ SLTST, MED BR, ARGIL, SDY IN PT.

CHANGE DRILL RATE SCALE. 75 50 25

11-7-73

WT 9.9
VIS 44
pH 10
F 5.4
CL⁻ 4200

NB-7 J33
24.9 HRS

SANDSTONE, A/A INTBD W/ SILTSTONE, LT GY, - LT BR, GRD - FN SDST. W. CONSOL., HD., TR PYRITE, OCC. CARB FLECKS & LAM., DOL CMTD IN PT., & SHALE, M. BR., FIRM, SB FISS - FISS, W/ ABDNT CARB FLECKS & COALY LAMINAE.

A/A

12-7-73

WT 9.8
VIS 48
pH 10
F 6
CL⁻ 4000

SANDSTONE, A/A, WH - LT BR, VFN - FN, W. CONSOL, INTBD W/ & GRD TO SILTSTONE, ARGIL, FIRM, CPCT W/ MINOR SHLE & COAL A/A.

DRILLER'S TOTAL DEPTH = 8000 FEET.

RAN SCHLUMBERGER LOGS & CST.