OR-0362A ENCLOSURE 5

BAROID ppm LOG

OFFSHORE 13
WELL POONBOON NO. 1
COMPANY ESSO AUSTRALIA LTD.
FIELD WILDCAT
COUNTY BASS BASIN STATE TASMANIA

INTERVAL LOGGED 785 FT TO 10,715 FT
DATE LOGGED AUGUST 31, 1972 TO SEPTEMBER 29, 1972
DEPTH MEASURED FROM KELLY BUSHING

SUPERVISING ENGINEER W.G. DUNCAN UNIT NO 8809
TYPE MUDS NATIVE - SEAWATER TO 5400 FT
LIGNOSULFONATE TO 10,715 FT

LEGEND 349049

ABBREVIATIONS

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

LITHOLOGY

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

ESSO BASIC DATA

DRILLING RATE
☒ FT. PER HR.
☐ MIN. PER FT.
1500 1000 500
VISUAL POROSITY
LITHOLOGY
DEPTH
ppm HYDROCARBONS IN MUD M=1000
C1 C2 C3 C4 C5+
1M 5M 10M
2.5 50 75
2500 25
CUTTINGS ANALYSIS
TOTAL GAS
METHANE
LIQUID HYDROCARBONS (C2+)
25 50 75
BEGAN LOGGING AT 11:30 A.M. ON AUGUST 31, 1972
WATER DEPTH = 280'
DRILLED 26" HOLE TO 785', SET 20" CASING AT 720'
DRILLING 15" HOLE WITH 17 1/2" UNDEREAMER
DRILLING WITH SEAWATER
GAS = 30 UNITS = 1% TOTAL GAS IN AIR
PPM C1 PPM C2 PPM C3 PPM C4 PPM C5
HOT WIRE CO2 H2S
NB-2, OSC-3A 11.8 HRS.
LS=CORAL-SHELL FRAGS, PRED TAN-CRM, W/OCC LT GY, ABNT FORAMS & FOSS
NOTE SCALE CHANGE 600 400 200
CO2 OVER 5000 PPM
x 10
NO H2S GAS
LS=A/A
NO CUTTINGS GAS
DRLG W/SEAWATER
NOTE SCALE CHANGE 300 200 100
1-9-72
LS=A/A, W/OCC TR MARL, LT GY, SFT
NO H2S OR CUTTINGS GAS
MARL=LT GY, V CALC, SLTY-FRM
TG-5
C.O. AT 3085', SET 13 3/8" CSG. AT 3032'
2-9-72 NB-3, X3A 5.8 HRS.
3-9-72
MARL=M-DK GY, V CALC, V FOSS, SFT
DRLG. W/SEAWATER, V P SAMPLES
MARL=LT GY-GRN, CALC, SLTY, FRM, ABNT FOSS & SHELL FRAGS, W/TRS M GY HD SH
TG-2
NB-4, X07 1.8 HRS.
LOST CONES OFF BIT NO. 3
WT. 9.1 VIS 37
NB-5, X3A 12.9 HRS.
TG-0
SH=M GY, SLTY, CALC, FISS, SFT-FRM
NO H2S OR CUTTING GAS
NOTE SCALE CHANGE 600 400 200
SLST=MARLY, V CALC, TR PYR
4-9-72
WT. 9.1 VIS 42
SH=LT GY-GRN, SL FOSS, FISS, FRM
F/TEMP = 98°
CARB LAG - 4 oz. = 8 Units, 1540 cpm up - 2 pumps
x 10
SH=LT GY-GRN, CALC, V SLTY IN PT, SL FOSS, FISS-HD, FRM
WT. 9.2 VIS 45
F TEMP = 100°
SD=GY-BRN, F-M GR, SLTY, SL GLAUC, V CALC NOSFC
SLST=BRN, SDY, SL GLAUC, SL FOSS, CALC, TR PYR, FRM
WT. 9.4 VIS 50
F/TEMP = 103°
SH=LT-DK GY, CALC, FISS, FRM
NO H2S OR CUTTINGS GAS
x 10
WT. 9.4 VIS 53
F/TEMP = 105°
NOTE SCALE CHANGE 300 200 100
SLST=GY-BRN, SDY, SL FOSS, GLAUC, FRIA-FRM, TR BUFF HD LS
WT. 9.4 VIS 40
CONVERT MUD TO LIGNOSULFONATE
F/TEMP = 109°
WT. 9.6 VIS 46
F/TEMP = 108°
NB-6, X3A 5.8 HRS.
TG-30
CARB LAG - 4 oz. = 25 Units, 1915 cpm up - 2 pumps
SLST=LT-DK BRN, SL FRIA, TR GLAUC, PYR, SL CALC, FRM
5-9-72
WT. 9.7 VIS 45
F/TEMP = 101°
LS=TAN-BUFF, DNS-HD, ANG, SL DOL, MICRITIC
WT. 9.8 VIS 43
F/TEMP = 106°
SLST=M-DK BRN, SDY, SL CALC, TR FORAMS TR LSE QTZ GRNS
WT. 9.8 VIS 50
F/TEMP = 105°
CFK
CFK-C.O.
NO H2S GAS
CFK-C.O.
WT. 9.9 VIS 46 F 5 CL 5200 PH 9.8 SD TR
SLST=A/A, TR DOL, TR SD GY-WH, F GR, SL CALC & GLAUC, TT, SL FRIA-HD
NCB-LC20 2.8 HRS.
6-9-72 RB-1, X06 6.3 HRS.
TG-0 CORE NO. 1 6407'-6432', CUT 25' REC. 24'
TG-5
SD=WH-GRN-GY, SL CALC, SLTY, F-M GR, GLAUC, FRIA-FRM, W/ TR QTZ GR, WH-CLR, M-C GR, SA-SR, NOSF
CORE NO. 1 SLST=LT GY, NON CALC, MICA, SL FRIA-FRM, TT, P-F VIS Ø, NOSFC, INTBD W/ SH=DK GY, FRM-HD, HOMOGENEOUS, MASSIVE
WT. 9.8 VIS 39 F 4 PH 9.5 CL 5000 SD TR
x 10
SD=GY-BRN, VF GR, SLTY, FRIA-FRM, W/C GR QTZ, CLR-WH, SA-SR, UNCON, NOSFC
x 10
CARB LAG - 4 oz. = 25 Units, 2061 cpm up - 2 pumps
X10
WT. 9.9 VIS 41
F/TEMP - 99°
X10
COAL=BLK, V DK BRN, SHINY, BRITTLE
WT. 10 VIS 39
SH=DK BRN, V CARB, SLTY IN PT, SPLTY, FRM, TR PYR
NOTE SCALE CHANGE 150 100 50
7-9-72 NB-8, J33 31.8 HRS.
TG-5
WT. 10.1 VIS 39
F/TEMP - 104°
NO H2S GAS
SD=LT GY-BRN, SLTY, CARB, VF-F GR, FRM, W/LSE VC GR QTZ
WT. 10.0 VIS 45
F TEMP - 110°
SD=WH-LT BRN, ARG MATRIX, SL CALC, SLTY, M GR, SA-SR, P VIS Ø, FRM-HD
CFK
NO H2S GAS.
SLST=LT GY-WH, V SL CALC, HD, WK YEL FLOR.
WT. 9.9 VIS 38 F 4.8 PH 10.5 CL 4800 SD TR
SD=M BRN, VF GR, LSLY CONS.
F/TEMP - 112°
8-9-72
COAL=BLK, SHINY, BTL.
SD=WH-BUFF, VF GR, CONS, FRI, CARB, OCC MIN FLOR.
WT. 10.1 VIS 42 F 5.0 PH 10.6 CL 4700 NO3 162
F/TEMP - 115°
SLST=LT GY, NON CALC, CONS
WT. 10.1 VIS 41 F 5.2 PH 9.5 CL 4800
F/TEMP - 112°
SD=LT BRN-GY-WH, VF GR, NON CALC, WELL SRT, CARB, FRM-HD, CMT
CARB LAG - 4 oz. = 22 Units, 2390 cpm up - 2 pumps
9-9-72 NCB-2, C22 2.8 HRS.
10-9-72 RB-2, X0V 7.8 HRS.
TG-5
CORE NO. 2 8096'-8118', CUT 22 REC. 22
TG-5
SEE CORE ANALYSIS SHEET FOR P & P CORE NO. 2: SD=QUARTZOSE, NON CALC, F-C GR, P-WELL SRT, SA-SR, SL CARB, FRM-HD; SH=DK BRN, FINELY LAMINATED, FRM-HD; SLST=LT BRN, SDY, CARB, FRM
COAL=BLK, BRTL, W/ TR AMBER
RR NO. 8, J33 26 HRS.
TG-4
WT. 10.2 VIS 44 F 5.2 PH 9.8 CL 5100 SD 1/4 % NO3 75
F/TEMP - 108°
SD=LT BRN-GY, F-M