OR-352

Pelican 2

ENCLOSURE 2.

EXPLORATION LOGGING INC.

A GEOLOGICAL - ENGINEERING SERVICE CO.

387094

REMARKS

DRILLING CONTRACTOR ODECO
RIG NO. OCEAN DIGGER
SPUD DATE 28 JULY 1970
TYPE MUDS LIGNOSULFONATE

CASING RECORD

20" AT 867'
AT

HOLE SIZE

TO
TO

ABBREVIATIONS

NB	NEW BIT	W	MUD WEIGHT
RRB	RERUN BIT	V	MUD VISCOSITY
CB	CORE BIT	F	MUD FILTRATE ☒ CC/30 MIN
CR	CIRCULATE RETURNS	FC	FILTER CAKE
NR	NO RETURNS	SD	SAND CONTENT
PR	POOR RETURNS	S	SALINITY ☐ G/G
LAT	LOGGED AFTER TRIP		☒ PPM CL-
TG	TRIP GAS	R	RESISTIVITY OF MUD
CG	CONNECTION GAS	RF	RESISTIVITY MUD FILTRATE
C	CARBIDE		
DST	DRILL STEM TEST		
]	DST INTERVAL		
▮	CORE INTERVAL		

COMPANY	ESSO-BHP
WELL	PELICAN #2
FIELD	BASS BASIN
LOCATION	OFFSHORE
COUNTY, STATE	TASMANIA, AUSTRALIA
API WELL INDEX NO.	
ELEVATION	SEA LEVEL; KB = 99'
DATE	FROM 29 JULY 1970 TO
DEPTH	FROM 885FT TO
UNIT NO.	25
LOGGING GEOLOGISTS	CRAIG, WEARE

OIL Based on live oil in unwashed cuttings and percentage staining of washed cuttings.

GAS UNITS Gas Detector calibrated to record 100 units with a mixture of 2% methane-in-air.

LITHOLOGY SYMBOLS

LIMESTONE, DOLOMITE, GYPSUM AND ANHYDRITE, SALT, COAL AND LIGNITE, CLAY, SHALE, SILTSTONE, SANDY SILTST., SAND, CONGLOMERATE, CHERT, VOLCANICS, INTRUSIVE

5 cm

SET 20" CSG AT 867'

DRILL AHEAD 15 "HOLE

DRILLING WITH SEA WATER AND GEL

COQUINA, WHITE, LIGHT GREY, UNCONSOLIDATED FOSSIL FRAGMENTS

DRILLING WITH SEA WATER & GEL.

COQUINA, WHITE/LIGHT GREY, ABUNDANT UNCONSOLIDATED FOSSIL FRAGMENTS.

C = 23U AT 34V

LIMESTONE, WHITE/LIGHT GREY WITH LIGHT GREY MARL, ABUNDANT FOSSIL FRAGMENTS.

LIMESTONE AS ABOVE W/ SOFT LIGHT GREY MARL, TRACE PYRITE.

MARL, LIGHT GREY, SOFT, SOLUBLE WITH TRACE GLAUCONITE & PYRITE, LIMESTONE, WHITE/LIGHT GREY, ABUNDANT FOSSIL FRAGMENTS.

MARL, LIGHT GREY, SOFT-FIRM, INCREASE IN GLAUCONITE INCLUSIONS.

DRILLING WITH SEA WATER & GEL.

MARL, LIGHT GREY, SOFT-FIRM, FOSSILIFEROUS, GLAUCONITIC IN PART.

MARL, AS ABOVE.

DRILLING WITH SEA WATER & GEL.

MARL, LIGHT GREY-GREY GREEN, SOFT, SOLUBLE, ABUNDANT FOSSIL FRAG, TRACE GLAUCONITE.

DRILLED 15" HOLE TO 3030FT

OPENED HOLE TO 17½"

SET 13-3/8" CASING AT ~~2985~~FT 2983'

DRILL AHEAD 12¼" HOLE

CONTINUE DRILLING WITH SEA WATER

MARL, LIGHT GREY-GREY GREEN, SOFT-FIRM WITH ABUNDANT FOSSIL FRAG IMBEDDED, TRACE GLAUC.

C = 31U AT 34V

CONTINUE DRILLING WITH SEA WATER.

MARL, LIGHT GREY-GREY GREEN, SOFT-FIRM WITH ABUNDANT FOSSIL FRAGMENTS IMBEDDED.

MARL, PREDOM LIGHT GRY. SOFT, SOLUBLE, W/ABUND FOSSIL FRAGMENTS.

MARL, AS ABOVE.

CONTINUE DRILLING WITH SEA WATER AND GEL

SILTSTONE, FROM 4020 LIGHT-MEDIUM GREY, FIRM, NONCALCAREOUS; & MARL, AS ABOVE

SILTSTONE, CONTINUED FROM ABOVE; LOCALLY GRADES TO SILTY SHALE; SMALL AMOUNT SANDSTONE, WHITE-BUFF, FINE-VERY FINE, WELL SORTED, GLAUCONITIC, GRADES TO BROWN SILTSTONE

SILTSTONE, MED BROWN/GREY-BROWN, FIRM, CALC, GLAUCONITIC IN PART, SHALE, GREY-BROWN, SILTY W/OCC CARBONACEOUS FLECKS, MARL, LT GREY-GREEN, FOSSILIFEROUS, TRACE PYRITE.

C = 25U AT 35V

SILTSTONE, AS ABOVE.

CONTINUE DRILLING WITH SEA WATER

SILTSTONE, MEDIUM TO DARK BROWN, SOFT-FIRM, SHALE, LIGHT GREY-BRN, SILTY, FIRM, MARL, GREY-GREEN, FOSSILIFEROUS, TRACE PYRITE.

SANDSTONE, 5910 LIGHT BROWN VFN-FN SUB-RRD TO SUB-ANG QUARTZ, VERY SILTY.

SAND, MEDIUM-COARSE, SUB-RRD, CLEAR-FROSTED QUARTZ, SANDSTONE, LT BROWN, VFN-FN, SILTY, MINOR AMOUNT LIGHT GREEN SS, SILTSTONE, MEDIUM-DARK GREY, TRACE PYRITE.

SANDSTONE, VFN-FN, LT BROWN-LT GREY, SILTY, LOOSE MEDIUM-COARSE QUARTZ, SILTSTONE, MED-DARK BROWN, INTERBED.

SAND, PREDOM MEDIUM TO COARSE, CLEAN-WHITE, SUB-RRD QUARTZ, SANDSTONE, FN GRN, LT GREY, DOLOMITIC.

CONTINUE DRILLING WITH SEA WATER

SANDSTONE, WHITE, FINE WELL ROUNDED, WELL SORTED; INTERBEDDED WITH SILTSTONE, BROWN, FIRM, SANDY

SANDSTONE, WHITE-LIGHT GREY, FINE GRAIN, WELL SORTED, SUB-ANG/SUB-RD QUARTZ, INTERBEDDED W/ SILTSTONE, MEDIUM TO DARK BROWN & DK GREY-BROWN SHALE, OCC COAL STRINGER.

SANDSTONE, VFN-FN, LT GREY-WHITE, INTERBED W/SILTSTONE, MED-DARK BRN, SANDY, CARBONACEOUS & DARK GREY-BRN SHALE OCC STRINGER COAL.

AT 7000FT STARTED CHANGING OVER MUD SYSTEM TO LIGNOSULFONATE & FRESH WATER MUD.

W 9.7
V 37

SANDSTONE, WHITE, MED. GRAIN, CLEAN, WELL SORTED; DOLOMITIC MATRIX; INTERBEDDED WITH BROWN SILTSTONE AND MINOR COAL

SILTSTONE, MEDIUM-DARK BROWN, SANDY, CARBONACEOUS, INTERBEDDED SANDSTONE, LIGHT GREY, VFN-FN GRAIN, & COAL.

W 9.7
V 37
FL 32.6
FC 2/32
PH 7.5
CL- 5200
SD ½

C = 20U AT 45VIS

SANDSTONE, VFN-FN, WHITE TO LIGHT GREY-BROWN, SILTY, DIRTY, SILTSTONE MEDIUM-DARK BROWN, SANDY, CARBONACEOUS, TRACE PYRITE.

SANDSTONE, FROM 8190, TAN, VFN-FN, HARD, TIGHT DOLOMITIC; EXHIBITS MINERAL FLUOR.

W 10.0
V 39
FL 13.8
FC 2/32
PH 10.0
CL- 4600
SD 3/4

SANDSTONE, FROM 8310, WHITE, FINE, VERY FRIABLE, WELLSORTED, CLEAN

C = 28U AT 43V

SANDSTONE, FINE, WHITE-LIGHT GREY, FRIABLE, WELL SORTED W/DULL YELLOW MINERAL FLUOR, SILTSTONE, MEDIUM-DARK BROWN, SANDY, SHALE, DARK BROWN, SILTY, CARBONACEOUS.

W 10.1