342069

OR-0335

EXPLORATION LOGGING INC.

A GEOLOGICAL - ENGINEERING SERVICE CO.

FIG. 3

REMARKS

DRILLING CONTRACTOR ODECO
RIG NO. OCEAN DIGGER
SPUD DATE JULY 19, 1969
TYPE MUDS SPERSENE-XP20

CASING RECORD

20" AT 1023'
13-3/8" AT 1990'

HOLE SIZE

15" TO 2050'
12¼" TO 2353'

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 ____ ☒ PPM CL-
LAT	LOGGED AFTER TRIP	R	RESISTIVITY OF MUD
TG	TRIP GAS	RF	RESISTIVITY MUD FILTRATE
CG	CONNECTION GAS		
C	CARBIDE		
DST	DRILL STEM TEST		
]	DST INTERVAL		
▌	CORE INTERVAL		

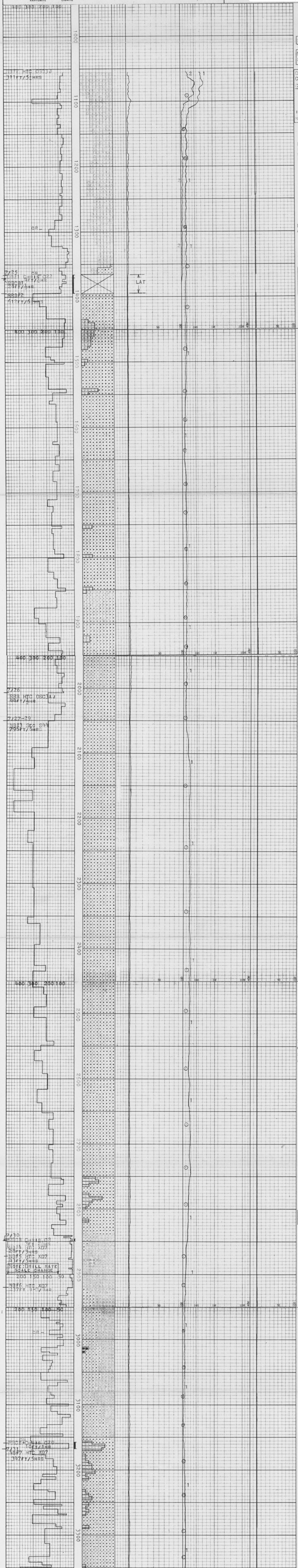
OIL Based on live oil in unwashed cuttings and percentage staining of washed cuttings.

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

COMPANY ESSO-BHP
WELL CLAM 1
FIELD OTWAY BASIN
LOCATION OFFSHORE
COUNTY, STATE TASMANIA, AUSTRALIA
API WELL INDEX NO.
ELEVATION SEA LEVEL; K.B. 100 FT
DATE FROM JULY 24,1969 TO AUG.4,1969
DEPTH FROM 1055 FT TO 5323 FT
UNIT NO. 25
LOGGING GEOLOGISTS CRAIG; WEARE

LITHOLOGY SYMBOLS

▣	Z	⧄	⌉	■	☐	⊟	☰	⊡	⊡	⊙	Λ	V	☒	☐	☐
LIMESTONE	DOLOMITE	GYPSUM AND ANHYDRITE	SALT	COAL AND LIGNITE	CLAY	SHALE	SILTSTONE	SANDY SILTST.	SAND	CONGLOMERATE	CHERT	VOLCANICS	INTRUSIVE		



SET 20" CSG AT 1023'

DRILL AHEAD WITH 8½" BIT

CHROMATOGRAPH CALIBRATION:

GAS	PPM/UNIT
C1	12.0
C2	7.5
C3	8.0
IC4	9.0
NC4	11.5

W 11.4

LIMESTONE, LIGHT BROWN, MARL. LIGHT-MEDIUM GRAY, VERY FOSSILIFEROUS.

LIMESTONE & MARL. AS ABOVE W/TR GLAUCONITE

W 11.4
V 45

SAND, LIGHT GREY, FINE TO COARSE, QUARTZ, ROUNDED-SUBANGULAR

CORE #1 (1366-1370') CUT 4FT; NO RECOVERY

CORE #2 (1370-1394') CUT 24FT; NO RECOVERY

W 11.6
V 50

SAND, MEDIUM BROWN, MEDIUM-COARSE QUARTZ GRAIN, UNCONSOLIDATED WELL ROUNDED, MEDIUM SORTING.

W 11.6
V 50

W 11.5
V 48

SAND, AS ABOVE

SAND, MEDIUM-COURSE GRAIN, PREDOMINATLY CLEAR TO WHITE WELL ROUNDED QUARTZ, MEDIUM SORTING, TR PYRITE.

DRILL 8½" HOLE 2006'

SAND, CONTINUED MEDIUM TO COURSE GRAIN WELL ROUNDED WHITE QUARTZ, MEDIUM SORTING, TR PYRITE.

RAN SCHLUMBERGER IES, SONIC, GAMMA RAY CALIPER & CST

OPEN HOLE TO 15"

DRILL 15" HOLE TO 2050 FT

SET 13-3/8" CSG AT 1990FT.

DRILLING 12¼" HOLE

SAND, WHITE-CLEAR, MEDIUM-COARSE GRAIN, QUARTZOSE, UNCONSOLIDATED; TRACE PYRITE.

W 10.8
V 65

SAND, AS ABOVE

W 11.1
V 45

SAND, WHITE, MEDIUM-COARSE GRAIN, UNCONSOLIDATED; BECOMING FINER GRAIN, TIGHTER

W 11.3
V 37

SAND, AS ABOVE; VERY PYRITIC

SHALE, DARK GREY, CARBONACEOUS, HARD, MICACEOUS; SAND, AS ABOVE

CORE #3 (2846-2849') CUT 3FT; REC'D 2FT

CONGLOMERATE, LOOSE, WELL ROUNDED PEBBLES COBBLES UP TO 6"DIA, QUARTZITE, WHITE, VERY HARD; CHERT PEBBLES.

W 11.2
V 40

CONGLOMERATE, LOOSE WELL ROUNDED PEBBLES TO COBBLES, SAND, FINE-MEDIUM GRAIN WHITE QUARTZ, WELL SORTED.

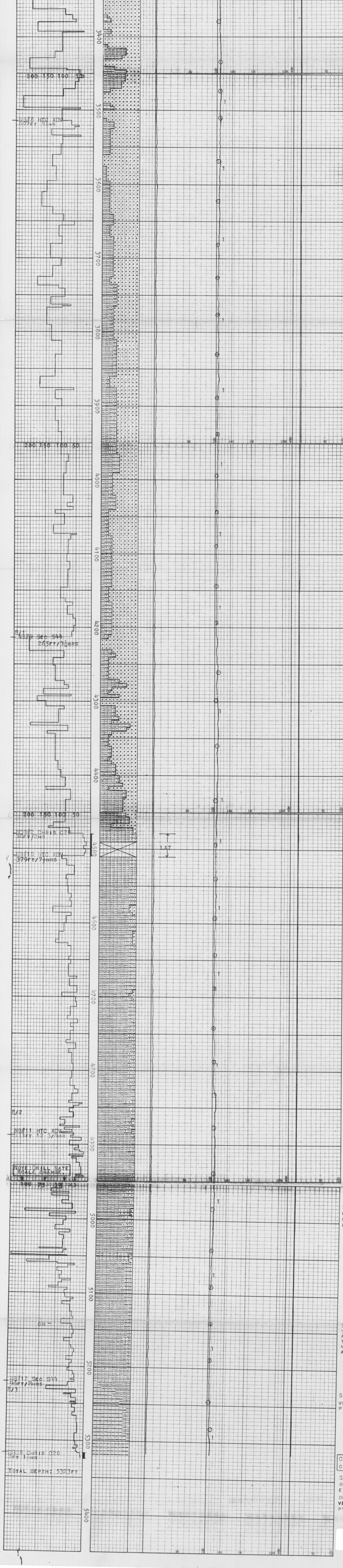
W 11.3
V 40

CORE #4 (3157-3167') CUT 10'; REC'D 9½FT

SAND, WHITE-LIGHT GREY, UNCONSOLIDATED, FINE-PEBBLE SIZE, QUARTZITIC, CHERT

MUDSTONE, LIGHT GREY, MOD. HARD; WITH STREAKS CARBONACEOUS MATERIAL SAND, AS ABOVE

W 11.2
V 39



SAND, AS ABOVE; SILTSTONE, MEDIUM GREY, GLAUCONITIC, HARD, MICACEOUS

SAND, VERY FINE TO COURSE GRAIN, UNCONSOLIDATED, SANDSTONE MEDIUM GRAY, VERY FINE TO MEDIUM GRAIN SILTSTONE, MEDIUM GRAY, GLAUCONITIC.

w 11.1
v 45

SAND & SANDSTONE, AS ABOVE W/PREDOMINATLY CLEAR-WHITE QUARTZ GRAINS, SILTSTONE, MEDIUN GRAY, MICACEOUS.

SAND & SILTSTONE, AS ABOVE, W/INCREASE IN MICA (MUSCOVITE), AND ABUNDANT PYRITE.

SAND, VERY FINE TO MEDIUM, OCCASIONAL COURSE GRAIN, ABUNDANT MICA, (MAINLY MUSCOVITE), GLAUCONITE AND PYRITE.

w 11.1
v 68

SAND, AS ABOVE; IN LIGHT GREY, SOFT CLAY MATRIX.

SAMPLES CLAYEY, SOME RUST RED CLAY

w 11.3
v 43

CORE #5 (4478–4508')
CUT 30'; REC'D 11FT

SILTSTONE, VARICOLORED, REDISH BROWN PREDOMINATE, VARIED AMOUNTS OF BUFF TO MEDIUM GREY SILTSTONE INCLUSIONS MICACEOUS.

w 11.4
v 55

SILTSTONE, AS ABOVE WITH INCREASE IN LIGHT TO MEDIUM GREY, STILL PREDOMINATLY REDISH BROWN.

SILTSTONE, BLUE/GREY, RUST RED, SOFT-FIRM, PARTLY SOLUBLE

w 11.6
v 55
pH 10.5

SILTSTONE, STEEL GREY, SOFT-FIRM; MINOR AMOUNT RUST RED SILTSTONE.

w 11.4
v 48

SILTSTONE, LIGHT TO MEDIUM GREY, MINOR AMOUNTS OF RUST RED, TRACES OF PYRITE AND MEDIUM TO COURSE ANGULAR QUARTZ SAND.

SHALE, DARK GREY, VERY SILTY, VERY HARD, PYRITIC

w 11.7
v 56

CORE #6 (5316–5323)
CUT 7FT; REC'D 7FT.

SILTSTONE, METAMORPHOSED, MEDIUM GREY, EXTREMELY HARD & DENSE, FRACTURED; VEINS FILLED WITH PYRITE.

5 cm