

COMPOSITE WELL LOG - NERITA No 1 SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD.

NERITA - 1 SHEET 1 OF 2

PE601567

PETROLEUM TENEMENT: PEP 22 - HELD BY FROME - BROKEN HILL PTY. LTD.

STATE: VICTORIA

QUEENSLIFF 4 MILE SHEET

OTWAY BASIN

WELL STATUS: DRY AND ABANDONED

LOCATION E 231,346y ATM ZONE 7
N 236,677y
ELEVATION OF 1/2" ABOVE M.S.L.
SEA BOTTOM DEPTH 245' BELOW M.S.L.
DATE SPUNDED 1st JULY, 1967
DATE T.D. REACHED 30th JULY 1967
DATE RIG RELEASED 17th AUGUST 1967
TOTAL DEPTH, DRILLER 6,700'
ALL DEPTHS BELOW D.F.

HOLE SIZE	INCHES	FROM	TO
	36	SEA-BED	470'
	26	470'	629'
	17 1/2	629'	1,305'
	12 1/4	1,305'	3,226'
	8 1/2	3,226'	6,700'

CASING	SIZE	WEIGHT	GRADE	DEPTH	CEMENT	CEM TO
	30"	310 lb/ft	H40	462'	1280 bps	SEA-BED
	20"	94 lb/ft	H40	618'	680 bps	SEA-BED
	13 3/8"	72 lb/ft	N80	630 bps	630 bps	500'
	9 3/8"	47/43.5 lb/ft	PI0/N80	3,216'	730 bps	1000'

CEMENT PLUGS	FROM	TO	CEMENT
	5,000'	2,900'	800 bps
	2,900'	2,092'	250 bps
	600'	370'	80 bps

BRIDGE PLUGS BAKER MODEL N AT 2806'
BAKER MODEL K AT 610'
(converted to BP)

PERFORATIONS TYPE FROM TO NO. FT
NOT APPLICABLE

DRILLED BY: SEDCO-135E
DRILLING METHOD: ROTARY
MUDLOGGING BY: GEOSERVICES
LOGGED BY: SCHLUMBERGER
CEMENTED BY: HALLIBURTON
WELL HEAD FITTING: VETCO TYPE PERMANENT GUIDE BASE

INDUCTION LOG DATA			
RUN NUMBER	DATE	INDUCTION LOG DATA	
1	10-7-1967	17-7-1967	30-7-1967
FOOTAGE LOGGED	683'	1,224'	3,461'
LOGGED FROM	1,300'	3,224'	6,679'
LOGGED TO	617'	1,296'	3,218'
TOTAL DEPTH-ELECTRIC LOG	1,301'	3,225'	6,680'
TOTAL DEPTH-DRILLER	1,305'	3,227'	6,700'
CASING SHOE-ELECTRIC LOG	618'	1,296'	3,218'
CASING SHOE-DRILLER	618'	1,296'	3,218'
BIT SIZE	12 1/4"	12 1/4"	8 1/2"
MUD TYPE	SPERSENE / XP 20	SPERSENE / XP 20	SPERSENE / XP 20
WATER LOSS Ccs/30 mins	6.4	4.0	6.1
WEIGHT lbs/gal	68.5	73	76
VISCOSITY (MARSH) sec	43	39	42
PH	9.5	9.5	10.4
Rm cm ² /m	1.35 at 64°F	1.16 at 80°F	1.14 at 96°F
Rm at S.H.T.	0.09 at 100°F	0.8 at 111°F	0.64 at 150°F
Rmf	1.15 at 70°F	1.16 at 68°F	1.28 at 73°F
Rmc		1.90 at 68°F	2.31 at 73°F
MAX RECORDED TEMPF	100°	111°	150°
RECORDED BY	GREAU	GREAU	GREAU
WITNESS	LILLIE	DE NYS	LE CALVEZ

OTHER LOGS			
TYPE OF LOG	FROM	TO	RUN NO
BHC SONIC/CALIPER/GAMMA RAY LOGGING	6,684'	617'	1, 2, 3
DIPMETER - CONTINUOUS	6,678'	617'	1, 2, 3
FORMATION DENSITY COMPENSATED	6,678'	1,296'	1, 2
MICROLOG - CALIPER	6,678'	1,296'	1, 2
NEUTRON LOGGING	6,678'	3,216'	1
CEMENT BOND LOGGING	3,216'	342'	2, 3

LITHOLOGY

- SANDSTONE
- SAND
- SILTSTONE
- SILT
- SHALE
- CLAYSTONE - MUDSTONE
- CLAY
- MARL
- LIME WACKESTONE
- LIME PACKSTONE
- LIME GRAINSTONE
- DOLOMITE
- COAL
- CHERT

CLASTIC ROCKS

CARBONATE ROCKS

STREAKS OR LENSES

MIXTURES OR MATRICES

ROCK TYPE UNKNOWN

* The textural classification of the carbonates is based on R.J. Dunham (1962). Classification of carbonate rocks according to depositional texture. AAPG. Mem. 1

WELL SYMBOLS

- SIDEWALL CORE RECOVERED
- SIDEWALL CORE NOT RECOVERED
- CASING SHOE, DIAMETER, DEPTH, SACKS OF CEMENT
- HOLE PLUGGED BACK TO 2900'
2nd AUGUST 1967
- HOLE BRIDGED AT 2806'
3rd AUGUST 1967
B.P.: BRIDGE PLUG
- GAS SHOW

COMPOSITION OF FRAMEWORK FRACTION (>20µ) OF SILICICLASTIC ROCKS

- MEDIUM-COARSE QUARTZ
- FINE
- MEDIUM-COARSE FELDSPATHIC
- FINE
- MEDIUM-COARSE LITHIC
- FINE

* Brackets applied to latter symbol indicate sub- to 4µ (F) = sub-feldspathic, medium-coarse

FOSSILS

- SHELL DEBRIS OR BIOCLASTS
- LAMELLIBRANCHS, FRAGMENTS OF
- ECHINIODS, FRAGMENTS OF
- GASTROPODS
- FORAMINIFERA IN GENERAL
- BRYOZOA
- PLANT REMAINS

* Brackets applied to symbol indicate rare occurrence

