OR-331A

329587

AMOCO AUSTRALIA PETROLEUM COMPANY

COMPOSITE WELL LOG

TILANA-1

CONFIDENTIAL
CLASS 1

ENCLOSURE 3

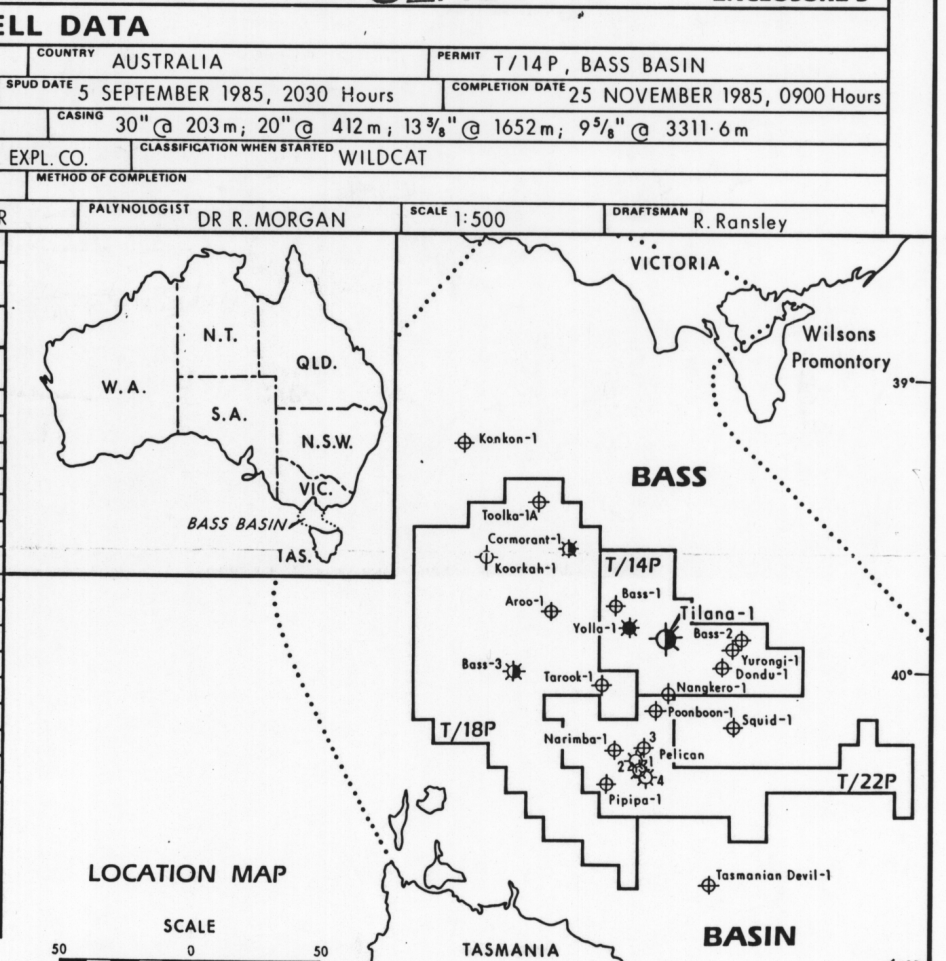
WELL DATA

COORDINATES 39° 53' 36·96"S LAT. 145° 58' 42·20"E LONG.		COUNTRY AUSTRALIA	PERMIT T/14P, BASS BASIN
ELEVATION	KELLY BUSHING 22·3m above sea level	WATER DEPTH 81·0m	SPUD DATE 5 SEPTEMBER 1985, 2030 Hours
COMPLETION DATE 25 NOVEMBER 1985, 0900 Hours	TOTAL DAYS 84	TOTAL DEPTH 3900·2m (DRLR)	PLUG BACK TOTAL DEPTH 3236·4m
CASING 30" @ 203m; 20" @ 412m; 13 3/8" @ 1652m; 9 5/8" @ 3311·6m	RIG NAME "DIAMOND M. EPOCH"	RIG TYPE SEMISUBMERSIBLE	OWNED BY DIAMOND M. EXPL. CO.
CLASSIFICATION WHEN STARTED WILDCAT	CLASSIFICATION AFTER COMPLETED DRY HOLE	METHOD OF COMPLETION	
GEOLOGIST(S) B.WHEELER, C.REVILLA, W.BARRETT, G.KJELLGREN	PALEONTOLOGIST DR D. TAYLOR	PALYNOLOGIST DR R. MORGAN	SCALE 1:500
DRAFTSMAN R. Ransley			

LOGGING DATA

WIRELINE LOG AND SERVICES

RUN No.	TYPE	DATES	SCALES 1:500	SCALES 1:200	BOTTOM INTERVAL	TOP INTERVAL
1	ISF-BHC-GR-CAL-SP	14/9/85	YES	YES	1661·0m	80·0m
2	ISF-DDBHC-MSFL-GR-SP	9/10/85	YES	YES	3070·0m	1651·5m
2	LDL-CNL-GR	10/10/85	YES	YES	3070·0m	1651·5m
2	CST-GR	11/10/85	NO	YES	3065·0m	1691·0m
1	HDT	10/10/85	YES	YES	3072·0m	1645·0m
2	WST	11/10/85	—	—	3050·0m	700·0m
3	ISF-MSFL-BHC-GR-SP	30/10/85	YES	YES	3900·0m	2850·0m
3	LDL-CNL-GR	29/10/85	YES	YES	3900·0m	2850·0m
3	RFT-HP-GR	31/10/85	NO	YES	3226·4m	2884·0m
3	CST-GR	31/10/85	NO	YES	3811·0m	2994·0m
2	HDT	29/10/85	YES	YES	3900·0m	2850·0m



LOCATION MAP

SCALE 50 0 50 KMS

L E G E N D

LITHOLOGIC SYMBOLS

TERRIGENOUS CLASTICS
- ARKOSE
- BRECCIA
- CONGLOMERATE
- SANDSTONE
- SEDIMENTARY QUARTZITE
- CROSS BEDDED SANDSTONE
- CALCAREOUS SANDSTONE
- SHALY SANDSTONE
- CLAY
- SHALE
- CLAYSTONE
- GYPSIFEREOUS SHALE
- ARENACEOUS SHALE
- CALCAREOUS SHALE
- SILTSTONE
- CALCAREOUS SILTSTONE

CARBONATE ROCKS
- LIMESTONE
- MASSIVE or THICK BEDDED LIMESTONE
- CALCARENITE
- CALCIRUDITE
- LUTACEOUS CALCARENITE
- OOLITE and PISOLITE
- DOLOMITE
- DOLOMITE or PARTIALLY DOLOMITIZED LIMESTONE
- ARGILLACEOUS LIMESTONE
- ARENACEOUS LIMESTONE or SANDY LIMESTONE
- CHALK
- MARL

PRECIPITATES AND GELS
- CHERT
- ANHYDRITE
- GYPSUM
- SALT

CARBONACEOUS ROCKS
- COAL
- PEAT

METAMORPHIC ROCKS
- SCHIST
- GNEISS
- METAMORPHIC QUARTZITE
- MARBLE

IGNEOUS ROCKS
- BASEMENT (Undifferentiated)
- GRANITE and MISCELLANEOUS ACID PLUTONICS
- DEEP INTRUSIVES (Undifferentiated)
- DIKE, SILL
- EXTRUSIVE
- TUFF

FOSSIL SYMBOLS

alg	ALGAE
amm	AMMONITES
blm	BELEMNITES
brach	BRACHIOPODS
	BRACKISH WATER FOSSILS
bry	BRYOZOA
char	CHAROPHYTES
cono	CONODONTS
cor	CORALS
crin	CRINOIDS
diat	DIATOMS
ech	ECHINOIDS
Frem	FISH REMAINS
F sc	FISH SCALES
forams	FORAMINIFERA in general
	FORAMINIFERA larger
	FORAMINIFERA benthonic
	FORAMINIFERA benthonic large
	FORAMINIFERA pelagic
foss	FOSSILS in general
	FRESH WATER FOSSILS
fus	FUSULINIDS
gast	GASTROPODS
grap	GRAPTOLITES
	INCERTAE SEDIS
lbr (pely)	LAMELLIBRANCHS (PELECYPODS)
megafoss	MEGAFOSSILS general
microfoss	MICROFOSSILS general
num	NUMMULITES
ost	OSTRACODS
oyst	OYSTERS
pely	PELECYPODS
phos	PHOSPHATES (organic)
pls	PLANT REMAINS
	POLLEN
rad	RADIOLARIA
	SALT WATER FOSSIL
	SHARK TEETH
	SHELL DEBRIS (coquina)
spic	SPICULES
	SPINES
	SPORES
strom	STROMATOPOROIDS
tril	TRILOBITES
vrtb	VERTEBRATES
wd, sil	WOOD, SILICIFIED

MISCELLANEOUS SYMBOLS

auth qt	AUTHIGENIC QUARTZ
	CHERT
concr	CONCRETIONS
calc concr	CONCRETION, CALCAREOUS
fer concr	CONCRETION, FERRUGINOUS
	FAULTS
	ORIENTED DIP
sil, concr	CONCRETIONS, SILICEOUS
	LIMONITE, HEMATITE
glauc	GLAUCONITE
pyr	PYRITE
sid	SIDERITE
	GAS SHOW
	OIL SHOW
	MICA

OPERATIONAL SYMBOLS

- ABNORMAL PRESSURE GRADIENTS
- ACIDIZING OR STIMULATION
- CASING SET
- CEMENT TOP BEHIND CASING (Temperature log)
- CEMENT TOP BEHIND CASING (Cement bond log)
- COMBINATION STRING
- CORE (Conventional)
- CORE (Diamond)
- CORE (Sidewall)
- CORE (Wire line)
- DRILLED WITHIN AN INTERVAL BEING CORED
- DRILL STEM TEST
- STAIN
- FLUOR
- CUT FLUOR
- CRUSH CUT FLUOR
- P. POOR
- F. FAIR
- G. GOOD
- E. EXCELLENT
- DRILL STEM TEST (Failed)
- FORMATION CONSOLIDATION (Plastic squeeze)
- FORMATION CONSOLIDATION (Gravel pack)
- TUBING PACKER
- LINER WITH INTERVAL AND DIAMETER
- PERFORATION DIAMETER, INTERVAL AND NUMBER
- PLUG (Bridge plug)
- PLUG (Cement plug)
- PLUGGED BACK T.D.
- PRODUCTION TEST OR COMPLETION DATA
- SQUEEZED PERFORATIONS (Number of stages, type and interval)

RFT / PSIG → RFT SYMBOL

AGE
FORMATION
ENVIRONMENT
0·0 GAMMA RAY 150·0 API UNITS
SPONTANEOUS POTENTIAL MILLIVOLTS -110·0 -10·0
CALIPER INCHES 10·0 20·0
CASING PLUGS PACKER DEVIAT
SIDEWALL CORES
LOG ANALYSIS
DIP METER
DST INTERVALS
GRAPHIC LITHOLOGY & DEPTH IN METRES RKB
0·2 RESISTIVITY OHM M DEEP INDUCTION RILD 2000·0
0·2 MICRO SPHERICALLY FOCUSED RESISTIVITY MSFL 2000·0
0·2 MEDIUM INDUCTION RSFLU 2000·0
140 INTERVAL TRANSIT TIME ΔT MICRO SECONDS PER FOOT 40
7000·0 TENS (LB) 2000·0
LITHOLOGICAL DESCRIPTION PALEONTOLOGY AND REMARKS
NO SAMPLE RETURNS
INNER NERITIC TO SUB
LAGOONAL-BEACH/DUNE
ANGAHOOK FORMATION 1136m RKB (1113.7m SUBSEA)
1/2 DEG
100
150
950
1000
1050
1100
1150
1200
1250