



EARLIER FILES

LATER FILES

RECORDS DISPOSITION

ABANDONED.

SUCCESSFULL N.F.W.

SPUD 6-5-70

COMP 8-6-70

T.D. 10,686

38° 30' 00" S

148° 19' 54" E

W.D. 336 K.B.

OCEAN DIGGERS

ALBACORE - 1 ESSO VIC. L/5

586

I.E.S. Run 1. 2784 - 10,678. Separate logs 2" and 5"

" " 1. 5,241. 2784 - 10,678.

B.H.C.S./CAL. " 1. 2784 - 10,675. Separate logs 2" and 5"

B.H.C.S. " 1. 5,42. 2784 - 10,675.

F.D.C./G.R. " 1. <sup>499GR</sup> 8000 - 10,674. Separate logs 2" and 5"

" " " 1. 5,42. <sup>499GR</sup> 8000 - 10,674.

C.D.M. " 1. 2960 - 10672. 2" and 5"

Exploration Loggings Mudlog 995 - 10,686.

S.W.C. Descriptions. 2800 - 10,640.

Core No. 1. " 9000 - 9014.

" Analysis Report. Exploration Logging.

S.W.C. " " " " " "

Completion Report.

Cuttings. 995 - 10,686.

Core. 1 off. 8'. 9000 - 9014.

Time Depth Curve.

Lithological Descriptions

S.W.C. Shot 58. Rec. 58

Palaeontology Report by D. E. Taylor.

Palyology Report by L. E. Stever & A. D. Partridge. Plus revision

Geologic Map of After Drilling Picture

C.R.

Cross section of " " " "

C.R.

Structure Maps on Top of Latrobe and Mid Paleocene.

Well Completion Log.

Weekly Reports

+ 10 of 2

PALYNOLOGICAL SHEET BY W.K. HARRIS

VELOCITY SURVEY 120483

VITRINITE REFLECTANCE BY AMOCO. 220486.

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**W586**

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### ENCLOSURES

TIME DEPTH CURVES (PE904286 – BASIC, PE903364 – INTERPRETATIVE)

MUD LOG

WELL COMPLETION LOG

COMPLETION REPORT

INTERPRETATIVE

WELL DATA RECORD

DEPT. NAT. RES & ENV

Date 24.6.70.



PE903366

LOCATION

Post BONITA 1

<u>WELL NAME</u> ALBACORE #1		STATE VICTORIA	PERMIT or LICENCE VIC./L-5	GEOLOGICAL BASIN GIPPSLAND	FIELD
<u>CO-ORDINATES</u>		MAP PROJECTION Australian Transverse Mercator	GEOGRAPHICAL DESCRIPTION Offshore Victoria 7 miles east of Kingfish 1		
Surface	Lat. 38°34'00"	Long. 148°19'54"	X 622,268	Y 243,023	
Bottom Hole					
<u>ELEVATIONS &amp; DEPTHS</u>					
<u>ELEVATIONS</u>		<u>WATER DEPTH</u>		<u>TOTAL DEPTH</u>	
Ground		336 FEET		M.D. 10,686 FEET	Avg. Angle
KB	99 FT.			T.V.D.	
RT		<u>PLUG BACK DEPTH</u>		<u>REASONS FOR P.B.</u>	
Braden Head		677 FEET		ABANDONMENT	
Top Deck Platform					
<u>DATES</u>					
<u>MOVE IN</u> 1.5.70		<u>RIG UP</u> 5.5.70		<u>SPUDDED</u> 6.5.70	
<u>RIG DOWN COMPLETE</u> 8.6.70		<u>RIG RELEASED</u> 8.6.70		<u>PROD.UNIT - Start Rigging Up</u>	
<u>PROD.UNIT - Rig Down Complete</u>				<u>I.P. ESTABLISHED</u>	
<u>MISCELLANEOUS</u>					
<u>OPERATOR</u> ESSO STANDARD OIL (AUST.) PTY. LTD.		<u>PERMITTEE or LICENCEE</u> ESSO		<u>ESSO INTEREST</u> 50%	
				<u>OTHER INTEREST</u> Hematite Petroleum Pty.Ltd. 50%	
<u>CONTRACTOR</u> ODECO		<u>RIG NAME</u> OCEAN DIGGER		<u>EQUIPMENT TYPE</u> SEMI-SUBMERSIBLE DRILLING VESSEL	
<u>TOTAL RIG DAYS</u> 37.25	<u>DRILLING AFE NO.</u> 230104	<u>COMPLETION NO.</u>		<u>TYPE COMPLETION</u>	
<u>LAHEE WELL</u> Before Drilling		New Field Wildcat			
<u>CLASSIFICATION</u> After Drilling		Abandoned unsuccessful New Field Wildcat.			

P.M. COONEY  
Geologist







WELL ALBACORE #1

VII SAMPLES, CONVENTIONAL CORES, SW CORES					
INTERVAL	TYPE	RECOVERED	INTERVAL	TYPE	RECOVERED
995-10686	CUTTINGS	Sampled every 10'.			
2800- 10640	SIDEWALL CORES	Shot 58 Recovered 58			
9000 - 9014	CONVENTIONAL CORE	8'			
VIII WIRELINE LOGS AND SURVEYS (Incl. FIT)					
Type & Scale	From	To	Type & Scale	From	To
IES 2" and 5"	2784	10678			
BHCS 2" and 5"	2784	10675			
FDC-FR 2" and 5"	8000	10674			
GR - Sea floor.					
CDM	3400	10674			
Velocity Survey	2800	10600			

ALBACORE

P.M. COONEY

Geologist

WELL ALBACORE #1

IX NAME	FORMATION TOPS/Zones					REMARKS
	Tops		Gross Interval (ft)	Net Pay (ft).		
	M.D.	Sub-sea		Gas	Oil	
Gippsland Fm.	Sea Floor	336	6325			INTERPRETATIVE
Lakes Entrance Fm.	6760	-6661		1508		
Top Latrobe Group (L.balmei)	8268	-8169	1832			
Top T. lilliei	10,099	-10,000				

X GEOLOGIC ANALYSIS (Pre Drilling prognosis Vs actual results)

Pre-drill

Albacore -1 is located on a large anticlinal feature that is formed by westerly dipping intra-Latrobe beds which are truncated by the unconformity which is the Latrobe on the east flank. Seal is dependent upon the combined presence of intra-Latrobe mid-Paleocene shale and Oligocene mudstone. A well at this location will test both the Upper-Latrobe (mid-Paleocene) and the deeper Upper Cretaceous as the structure persists with depth.

<u>Age</u>	<u>Formation</u>	<u>Formation Top</u>
	Water depth	320
Miocene	Gippsland Formation	Ocean Bottom
	Mid Miocene Seismic Marker	-7200 - 2302
Eocene	Latrobe	-8175
Mid-Paleocene		-8175
Upper Cretaceous		-9875

Depths from mean sea level; for drill depth add 99'.

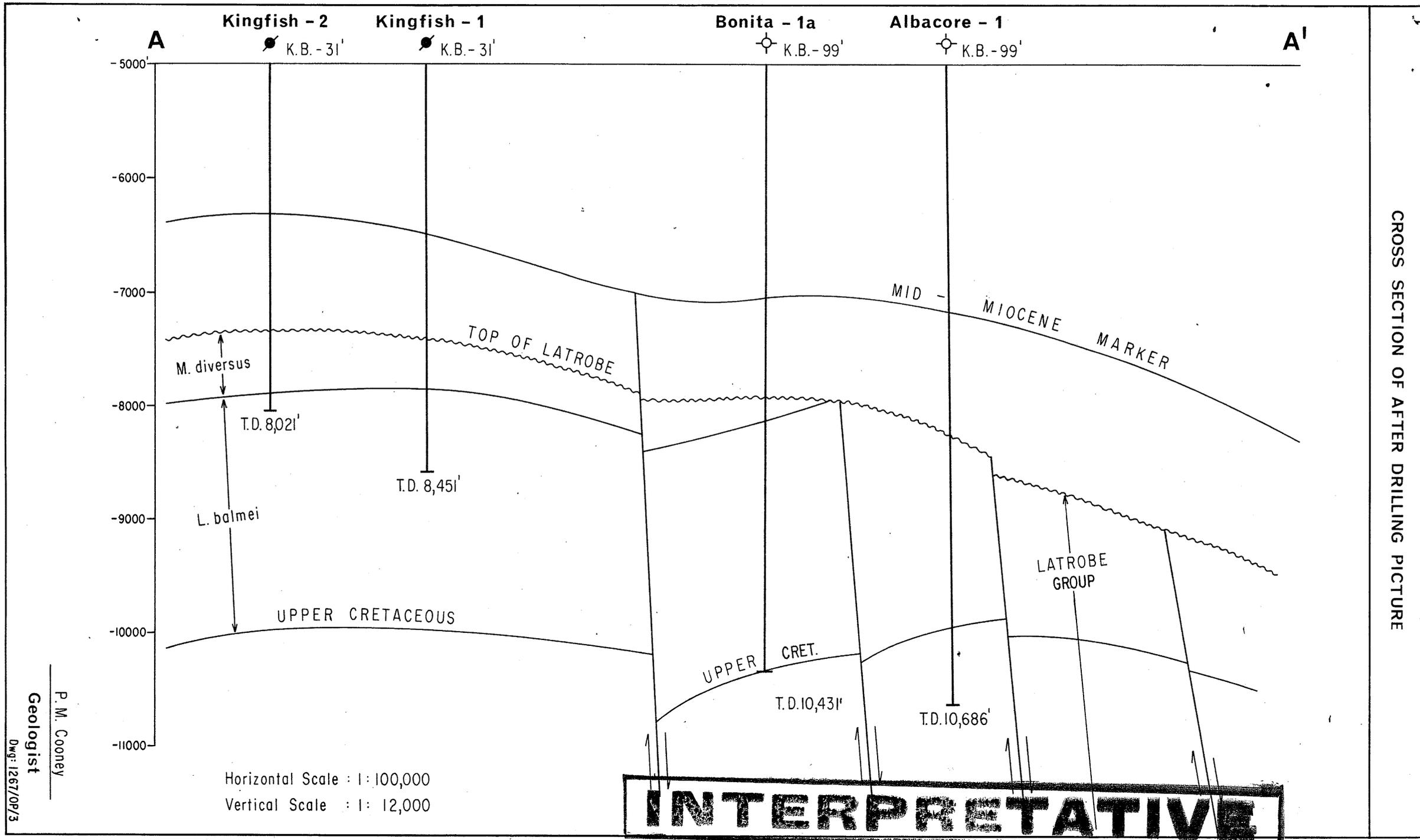
Post-drill

Intra-Latrobe Paleocene shale is absent and there is no apparent seal on the west flank of the structure and hence no trap is present. The high percentage of sand within the Latrobe probably resulted in leakage for all intra-Latrobe potential traps.

P.M. COONEY

Geologist





Horizontal Scale : 1 : 100,000  
Vertical Scale : 1 : 12,000

**INTERPRETATIVE**

P. M. Cooney  
Geologist  
Dwg: 1267/OP/3

2.0. LITHOLOGY

- Descriptions

# ALBACORE - 1.

# LITHOLOGICAL DESCRIPTIONS

## Lithology:

995-5195

Marl, light grey-grey, soft-moderately firm, very argillaceous in part, tending to calcareous siltstone, occasional quartz grains, abundant fossil fragments.

5195-6275

Calcareous siltstone, light brown-brown, very hard, and marl, light grey-grey, silty in part, soft-firm.

6275-6760'

Calcareous siltstone as before

6760-6960'

Calcareous siltstone and medium grey calcareous claystone.

6960-8268'

Claystone.

8268-8680'

Sand, white-clear well rounded quartz, medium-very coarse, unconsolidated-friable, trace pyrite and glauconite. No show. Minor claystone.

8815

? 8680-8960'

Claystone, light grey-light green grey, occasionally very dark green (probably glauconitic), silty in part; some forams, slightly calcareous. Some sandstone.

8960-9000'

Claystone and sandstone, as above.

9000-9014'

Core No. 1

9014-9110'

Sandstone with minor claystone.

9110-9560'

Claystone and sandstone, with minor siltstone. Below 9360' some coals.

## Cores:

Core No. 1

9000-9014'

Cut 14' Recovered 8'.

9000-9008'

Sandstone, white-clear, coarse-very coarse. friable interbedded with fine-coarse slightly silty. Weakly clay cemented. very rare glauconite grains. Wavy, subparallel, argillaceous laminae, no significant dip.

## Core Analysis:

Core No. 1

Depth

Permeability

Porosity

9001'

1420 md

20.5%

9007'

1890 md

29.6%

## Lithology:

9560-9860

Claystone and sandstone with minor siltstone.

9860-9880

Claystone with minor sandstone.

9880-9940

Sandstone.

9940-10010

Interbedded sandstone and claystone with minor carbonaceous shale.

10010-19100

Claystone and coal with minor shale.

10100-10686

Interbedded claystone and sandstone with minor carbonaceous shale and coal. Claystone light grey-green grey, silty, calcareous.

Sandstone: white-clear, medium-coarse, appears unconsolidated. Also light grey, very fine-fine, silty, clay cemented.

2.1. SIDEWALL CORE DESCRIPTIONS

SIDEWALL CORE DESCRIPTIONS

WELL ALBACORE - 1

SERV. CO.

DATE June 4-5  
1970

LOG SHEET NO.

GEOLOGIST

REF. #

FIELD

STATE

ATT.

REC.

PAGE 1 OF 3 PAGES

NO.	DEPTH	REC.	LITHOLOGY	COLOR	DISS		CALC	ODOR	FIDO	FLUORESCENCE			CUT		CUT FLUOR.		SHOW	PROH. PROD.
					CLAY	CONS				DIST	INT	COL	QUAN	COL	INT	COL		
1	10640	1/2"	ss. f-cse to v-cse weakly clay cemented	buff ltgy	tr	friable	tr	-	-	-	nil	-	-	-	-	-		
2	10635	1/4-1/2"	ss. as abv. very minor lithics	"	"	v.fr.		-	-	-	"	-	-	-	-	-		
3222 3	10574	3/4"	clyst silty, to sandy, soft	ltgy			✓											
4	10532	1/2"	clyst as abv.															
5	10480	3/4"	clyst as abv. with argill streaks & laminae															
6	10405	1/2"	ss. f-vf silty, argill & carbo streaks	wht ltgy	tr	tr		-	-	-	nil	-	-	-	-	-		
7	10324	1/4-1/2"	ss. f-m, v. clay choked, carbo streaks	buff ltgy	✓	tr		-	-	-	"	-	-	-	-	-		
8	10285	1/2"	ss. f-cse to v-cse, micac., tr pyritic	wht ltgy		very friable		-	-	-	nil	-	-	-	-	-		
9	10224	1/2"	clyst, soft	lt-med gy														
10	10174	1"	shale carbo / lenses s.s.	m-dk gy														
11	10119	1/2"	clyst. silty, tr micac., pyritic	ltgy			✓											
12	10081	1/4-1/2"	clyst as abv. v. silty	✓			✓											
13	10020	1/2"	ss. f-vf, silty, clay choked	ltgy wht				-	-	-	nil	-	-	-	-	-		
14	9956	1"	shale - carbo, hard, silty-sandy, pyritic	m-dk brn gy														
15	9928	1/2"	siltst - argill. sandy w/ part	lt-m gy	-		✓											
wrong depth 16	9790	1"	shale - v. carbo. - coaly laminae	dk brn														
17	9734	1"	siltst - argill. tr sandy	ltgy	✓													
18	9700	1/4-1/2"	siltst - v. argill, tr carbo, sandy	ltgy	✓		✓											
19	9610	1"	shale - carbo., silty, lenses siltst, pyritic	dk brn			tr											
20	9488	1"	ss. f.gr, tr c-v-cse, argill. laminae & streaks	wht ltgy		friable		-	-	-	nil	-	-	-	-	-		
21	9422	1/2"	shale carbo., tr silty	dk brn gy														
22	9250	1/2"	ss. m.gr, well sorted	wht ltgy		friable		-	-	-	"	-	-	-	-	-		
23	9196	1 1/2"	ss. vf-f, silty, v. glauconitic, yellow gr. stain	dk gr.		firm					"							
24	9192	1/2"	ss. as abv. v. dk green, v. glauconitic	"		friable					"							
25	9164	1/2"	ss. f.gr. micac., glauconitic, tr carbo	ltgy brn gy		"					"							

SIDEWALL CORE DESCRIPTIONS

WELL ALBACORE - 1      SERV. CO.      DATE      LOG. RUN NO.      GEOLOGIST

REF. #      FIELD      STATE      ART      REC      PAGE 2 OF 3 PAGES

NO.	DEPTH	REC	LITHOLOGY	COLOR	DISS CLAY	CONS	CALC	ODOR	FIDO	FLUORESCENCE			CUT		CUT FLUOR.		SHOW	PROB. PROD.
										DIST	INT	COL	QUAN	COL	INT	COL		
26	9160	1/2"	s.s. f.m. gr. v. glauconitic, tr micaceous	ltgy gr. gy		frable	v. sl.	-	-	-	-	nil	-	-	-	-		
27	9132	1/2"	s.s. vf-f, micac., tr glauc., weakly siliceous cemented	ltgy wht		"						"						
28	9114	1/2"	s.s. f.m. gr tr cse - v. cse, tr glauc., tr micac.	ltgy wht		frable	sl.					"						
29	8927	1/2"	s.s. f. gr. tr m-cse, rare glauc., micac, pyritic	"			v. sl.					"						
30	8918	1"	s.s. m-cse, tr f-vf, tr pyritic	buff wht		frable						"						
31	8686	1/4-1/2"	s.s. m. gr, well sorted, tr stain - mud?	"		"						"						
32	8626	1/4-1/2"	s.s. m-cse gr. tr v.cse	wht			v. fr.	sl.				"						
33	8586	3/4"	s.s. m. gr, tr cse - v. cse, mod. well sorted	wht ltgy		fr.												
34	8546	1"	s.s. wht - m. gr, tr fa cse, tr clay cement	"			v. fr											
35	8536	1/2"	s.s. m-cse, tr v.cse, sbrd - sbang.	"			v. fr	sl.										
36	8285	1/2"	s.s. f-cse, sbrd, pyritic, glauconitic	ltgy		fr												
37	8250	1/2"	clyst. silty	ltgy gr. gy				✓										
38	8200	1 1/2"	clyst, silty to greenish tan	lt-m. gy				✓										
39	8150	1 1/2"	clyst silty to forams espines	ltgy gr. gy				very										
40	8100	3/4"	clyst as abv.	"				"										
41	8050	1"	clyst soft	lt-m. gy				"										
42	8000	1"	clyst as abv.	"				"										
43	7950	1"	clyst as abv.	"				"										
44	7800	1"	clyst. silty	"				"										
45	7650	1 1/2"	clyst	"				"										
46	7500	3/4"	clyst	lt brngy				"										
47	7350	1"	clyst - firmer	ltgy				"										
48	7201	1 1/2"	clyst - firm	m-dk gy				"										
49	7000	1"	clyst - soft	ltgy				✓										

SIDEWALL CORE DESCRIPTIONS

WELL ALBACORE - 1		SERV. CO.	DATE	LOG. RUN NO.	REVISION
REF. #	FIELD	STATE		ATT. REC.	PAGE 3 OF 3

NO.	DEPTH	REC.	LITHOLOGY	COLOR	DISS. CLAY	CONS.	CALC.	ODOR	FIDO	FLUORESCENCE			CUT		CUT FLUOR.		SHOW	PROB. PROD.
										DIST.	INT.	COL.	QUAN.	COL.	INT.	COL.		
50	6500	1/2"	clyst firm	m.gy		firm	✓											
51	6001	1/2"	clyst silty, micritic, firm	lt-m.gy			✓											
52	5501	1/2"	clyst "	"			"											
53	5000	1/4"	clyst "	lt.gy														
54	4500	1/4-1/2"	Marl - micritic fossiliferous, firm	lt.gy			v. cal.											
55	4000	1/2"	clyst - softer	lt.gy lt-brn.gy			"											
56	3400	1/2"	clyst - silty soft-firm	lt.gy			"											
57	2800	1/2"	clyst to silty non calcareous	lt-m.gy			NO											
58	9188	1/2"	s.s. f. v.f. gr., very glauconitic	dk green		friable	tr											

2.2. CORE ANALYSIS REPORT





ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 1

WELL: ALBACORE - 1

Interval Cored 9000 - 9014 ft., Cut 14 ft., Recovered 8 ft., ( 57 % ) Fm. Latrobe

Bit Type C-20 , Bit Size 8 5/16" in., Desc. by D.J. GENTILE R. DAY Date May 27/70

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
			<p>9000</p> <p>9005</p> <p>9010</p>	<p>s.s. lt gy quartzose with minor lithics, thin interbeds cse - v. cse, sbrd - sb ag, very friable and fine - cse, trace silty, trace very cse, sbrd, weakly clay cemented, having horizontal wavy, subparallel, arg. illacens streaks to very thin laminae; Trace pyritic, micaceous and rare traces glauconite</p>

REMARKS: Recovered 8' core, described 7' after slabbing (crumbling & breakage)  
 approx 2" of lt-m gy claystone (rounded due to movement in bbl.) existed at top of core

3.0. PALYNOLOGY REPORT



INTERPRETATIVE

PALYNOLOGY REPORT

ON

ALBACORE -1

LEWIS E. STOVER

ESSO STANDARD OIL (AUSTRALIA) LTD.

Palynology Report. 1970/28

July 1970.

PALYNOLOGY REPORT ON ALBACORE-1

INTRODUCTION

In June 1970, sidewall cores from Albacore-1 were received for routine palynologic age interpretations. Twenty-one samples between 8258 and 10,574 feet were processed for spores, pollen and microplankton. Spores and pollen indicative of the L. balmei zone were recovered from the section between 9164 feet and 9956 feet. The T. lilliei zone occurs in samples from 10,081 to 10,574 feet. Results of the examination for palynomorphs are tabulated below.

<u>Sample</u>	<u>Drill Depth</u>	<u>Zone or Subzone</u>	<u>Age</u>
swc 36	8285 feet	No palynomorph recovery	
" 30	8918 "	" "	"
" 25	9164 "	upper <u>D. balmei</u>	Paleocene
" 23	9196 "	" " "	"
" 21	9422 "	lower <u>D. balmei</u>	"
" 19	9610 "	"	"
" 18	9700 "	"	"
" 17	9734 "	"	"
" 16	9790 "	"	"
" 15	9928 "	"	"
" 14	9956 "	"	"
<hr/>			
swc 13	10020 feet	No Palynomorph Recovery	
" 12	10081 "	<u>T. lilliei</u>	Late Cretaceous
" 11	10119 "	Indeterminate	
" 10	10174 "	<u>T. lilliei</u>	Late Cretaceous
" 9	10224 "	" "	
" 7	10324 "	Indeterminate	
" 6	10405 "	"	
" 5	10480 "	"	
" 4	10532 "	"	
" 3	10574 "	<u>T. lilliei</u>	Late Cretaceous

INTERPRETATIVE

RASIN

GIPPSLAND

DATE

WELL NAME

ALBACORE -1

ELEVATION

+99 feet

AGE	PALYNOLOGIC ZONES	HIGHEST DATA				LOWEST DATA					
		Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time
MIOC.	<u>T. bellus</u>										
	<u>P. tuberculatus</u>										
EOCENE	<u>U. N. asperus</u>										
	<u>L. N. asperus</u>										
	<u>P. asperopolus</u>										
	<u>U. M. diversus</u>										
	<u>L. M. diversus</u>										
P. O- CENE	<u>L. balmei</u>	2793.18M 9065 9164	0			1.812	2802.9M 9071 9196	1			1.816
	<u>T. longus</u>	2871.82M 9325 9422	2	2929.7 9612	1	1.848	3034.5M 957 9956	1			1.832
LATE CRETACEOUS	<u>T. hillei</u>	3072.68M 9772 10081	1			1.946	3222.9M 995 10574	1			2.084
	<u>N. senectus</u>										
	<u>C. trip./T.pach.</u>										
	<u>C. distocarin.</u>										
	<u>T. pannosus</u>										
EARLY CRETACEOUS	<u>C. paradoxa</u>										
	<u>C. striatus</u>										
	<u>U. C. hughesii</u>										
	<u>L. C. hughesii</u>										
	<u>C. stylosus</u>										
Pre-Cretaceous											

COMMENTS: T.D. 10886' (2.084)

- RATINGS: 0; SWC or CORE, EXCELLENT CONFIDENCE, assemblage with zone species of spores, pollen and microplankton.
- 1; SWC or CORE, GOOD CONFIDENCE, assemblage with zone species of spores and pollen or microplankton.
- 2; SWC or CORE, POOR CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.
- 3; CUTTINGS, FAIR CONFIDENCE, assemblage with zone species of either spores and pollen or microplankton, or both.
- 4; CUTTINGS, NO CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If a sample cannot be assigned to one particular zone, then no entry should be made. Also, if an entry is given a 3 or 4 confidence rating, an alternate depth with a better confidence rating should be entered, if possible.

DATE RECORDED BY: L.E.S./A.D.P. --

DATE June 1971

DATA REVISED BY: checked: L.E.S.

DATE Dec. 1971

BASIN GIPPSLAND

BY D.J. TAYLOR

56

WELL NAME ALBACORE-1

DATE 16/4/71

ELEV. 499

## Foram Zones

		Highest Data	Quality	2 Way Time	Lowest Data	Quality	2 Way Time
MIOCENE	A	Alternate					
	B	Alternate					
	C	Alternate			3400	1	
					3450	3	
	D <sub>1</sub>	3500	3		6300	3	
	D <sub>1</sub>	Alternate			6350	3	
	D <sub>2</sub>	6400	3		6750	3	
	D <sub>2</sub>	Alternate	6500	1	6700	3	
	E	6800	3		7201	1	
	E	Alternate	7000	1			
	F	7350	1		7350	1	
	F	Alternate					
	G	7500	1		7500	1	
	G	Alternate					
H <sub>1</sub>	7650	1		7800	1		
H <sub>1</sub>	Alternate						
H <sub>2</sub>	8050	0		8150	1		
H <sub>2</sub>	Alternate						
OLIGOCENE	I <sub>1</sub>	8150	0		8150	0	
	I <sub>1</sub>	Alternate					
	I <sub>2</sub>	Alternate					
	J <sub>1</sub>	8200	0		8200	0	
J <sub>1</sub>	Alternate						
J <sub>2</sub>	Alternate						
EOC.	K	8250	0		8285	1	
	K	Alternate					
	Pre K	8546	2		8686		

## COMMENTS:

Note: If highest or lowest data is a 3 or 4, then an alternate 0, 1, 2 highest or lowest data will be filled in if control is available.

If a sample cannot be interpreted to be one zone, as apart from the other, no entry should be made.

- 0 SWC or Core - Complete assemblage (very high confidence).
- 1 SWC or Core - Almost complete assemblage (high confidence).
- 2 SWC or Core - Close to zone change but able to interpret (low confidence).
- 3 Cuttings - Complete assemblage (low confidence).
- 4 Cuttings - Incomplete assemblage, next to uninterpretable or SWC with depth suspicion (very low confidence).

Date Revised 14 June, '72

By DJT/ADP

ASIN GIPPSLAND

DATE \_\_\_\_\_

WELL NAME ALBACORE - 1

ELEVATION + 99 feet

AGE	PALYNOLOGIC ZONES	HIGHEST DATA				LOWEST DATA					
		Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time
EOCENE	<u>P. tuberculatus</u>										
	<u>U. N. asperus</u>										
	<u>M. N. asperus</u>										
	<u>L. N. asperus</u>										
	<u>P. asperopolus</u>										
	<u>U. M. diversus</u>										
	<u>M. M. diversus</u>										
	<u>L. M. diversus</u>										
PALEOCENE	<u>H. L. balmei</u>										
	<u>L. L. balmei</u>	<sup>2793M</sup> 9164	0				<sup>2802.9M</sup> 9196	0			
	<u>T. longus</u>	<sup>2871.8M</sup> 9422	2	<sup>2929.7M</sup> 9610	1		<sup>3034.5M</sup> 9956	1			
CRETACEOUS	<u>T. lilliei</u>	<sup>3054M</sup> 10,020	1				<sup>3222.9M</sup> 10,574	1			
	<u>N. senectus</u>	<sup>4120</sup>									
	<u>C. trip./T.pach.</u>										
	<u>C. distocarin.</u>										
	<u>T. pannosus</u>										
EARLY CRETACEOUS											
PRE-CRETACEOUS											

COMMENTS: Trithyrodinium evittii Dinoflagellate Zone : 9164 (0) to 9196 (0)

- RATINGS: 0; SWC or CORE, EXCELLENT CONFIDENCE, assemblage with zone species of spores, pollen and microplankton.
- 1; SWC or CORE, GOOD CONFIDENCE, assemblage with zone species of spores and pollen or microplankton.
- 2; SWC or CORE, POOR CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.
- 3; CUTTINGS, FAIR CONFIDENCE, assemblage with zone species of either spore and pollen or microplankton, or both.
- 4; CUTTINGS, NO CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If a sample cannot be assigned to one particular zone, then no entry should be made. Also, if an entry is given a 3 or 4 confidence rating, an alternate depth with a better confidence rating should be entered, if possible.

DATA RECORDED BY: L.E.S./A.D.P.

DATE June 1971, Dec. 1971

DATA REVISED BY: A.D.P.

DATE Jan. 1975.

WELL NAME: ALBACORE # 1

PALYNOLOGICAL TABLE

W 586

DEPTH (FT)	SAMPLE TYPE	PRESER-VATION	DIVERSITY	SPORE/POLLEN ZONE	DINOFLAGELLATE ZONE	CONFIDENCE LEVEL	ENVIRONMENT
8250	SWC 37	Fair	Low	N. asperus/ P. tuberculatus	Spiniferites assemb	3	Marine
8285	SWC 36	Fair	V. low	Indeterminate	-	-	-
9164	SWC 25	Poor	Moderate	L. balmei	indet	5	Marginal marine
9196	SWC 23	Fair	Low	L. balmei	indet	4	Marginal marine
9422	SWC 21	V. Poor	Low	L. balmei/T. longus	-	3	Non-marine
9610	SWC 19	V. Poor	Low	? T. longus	-	3	Non-marine
9700	SWC 18	V. Poor	Low	? T. longus	-	3	Non-marine
9734	SWC 17	V. Poor	Poor	T. Longus	-	4	Non-marine
9790	SWC 16	V. Poor	V. low	Indeterminate	-	-	-
9928	SWC 15	V. Poor	V. low	T. longus	-	4	Non-marine
9956	SWC 19	V. Poor	V. low	T. longus	-	5	Non-marine
10020	SWC 13	Barren	-	-	-	-	-
10081	SWC 12	V. Poor	V.V. low	Indeterminate	-	-	-
10119	SWC 11	V. Poor	V. low	T. lilliei/T. longus	-	3	Non-marine
10174	SWC10	V. Poor	Low	? T. lilliei	-	3	Non-marine
10224	SWC 9	V. Poor	V. low	? T. lilliei	-	3	Non-marine
10324	SWC 7	Good	V. Low	Indeterminate	-	-	-
10405	SWC 6	Barren	-	Indeterminate	-	-	-
10480	SWC 5	V. Poor	V. low	Indeterminate	-	-	-
10532	SWC 4	V. Poor	V. low	No older than T. lilliei	-	-	Non-marine
10574	SWC 3	V. Poor	V. low	Indeterminate	-	-	-

COMMENTS: PREPARATIONS VERY POOR AND SOME SLIDES DRIED OUT.

MATTER BELOW 9400 FT BUT HIGHLY DEGRADED

BY W.K. HARRIS  
FOR ACQUISITION, PHILLIPS SHELL

3 FEB 1983

OIL and GAS DIVISION

Page 1 of 1.

1.0. VITRINITE REFLECTANCE  
MEASUREMENTS



PE903369

Oil &amp; Gas

Jack Dawie

RECD  
22.4.86  
KQ**Amoco Australia Petroleum Company**

(Inc. in Delaware, U.S.A., with Limited Liability — Registered as a Foreign Company in Tasmania)

15 Blue Street, North Sydney  
P.O. Box 126, North Sydney 2060  
Phone (02) 957 4500  
Telex AA23359  
Facsimile (02) 922 4886

April 16, 1986

The Director of Mines,  
Department of Minerals and Energy,  
East Tower, Princes Gate,  
151 Flinders Street,  
Melbourne. Vic. 3000**OIL and GAS DIVISION****22 APR 1986**

Dear Sir,

Re: Gippsland Basin Vitrinite Reflectance Measurements  
MISC-AUP-141-L-310-SCB

-----

In 1985 Amoco Australia Petroleum Company collected core and cutting samples from thirteen Gippsland Basin wells for vitrinite reflectance determinations. The following attachments are a summary of the work.

Yours faithfully,

ALBACORE - 1

S.C. Bane  
Exploration Manager

SCB/lrc

Attach.

Depth (ft)	Mean Maximum Reflectance (%)	Standard Deviation	Range	Number of Determinations
<u>ALBACORE -1</u>				
9380&9390	0.42	0.04	0.31-0.48	42
2852 2852 9720&2730	0.46	0.06	0.36-0.59	36
2063.6 2848.6 10070	0.46	0.04	0.36-0.55	39
10320	0.47	0.04	0.38-0.54	34
<u>BARRACOUTA-3</u>				
7310-7320	0.54	0.05	0.46-0.63	35
8590	0.60	0.08	0.43-0.71	35
9100-9120	0.62	0.10	0.41-0.80	41
9330-9360	0.64	0.10	0.43-0.93	36
9540-9560	0.73	0.05	0.63-0.84	33
<u>BATFISH-1</u>				
7560-7570	0.61	0.05	0.53-0.69	34
8170-8180	0.64	0.05	0.56-0.75	34
8640-8650	0.69	0.05	0.55-0.81	31
9170-9190	0.76	0.04	0.66-0.81	28
9430-9450	0.76	0.05	0.69-0.90	41
<u>BONITA-1A</u>				
9780-9790	0.54	0.06	0.46-0.68	36
10050	0.56	0.05	0.47-0.64	36
10280-10290	0.55	0.04	0.47-0.64	47
<u>BREAM-2</u>				
8070-8090	0.63	0.05	0.52-0.70	39
8380-8390	0.67	0.06	0.53-0.80	41
8933-8944	0.73	0.05	0.62-0.85	43
9730-9750	0.83	0.07	0.71-0.98	38
10638-10641	0.88	0.11	0.62-1.13	42

Depth (ft)	Mean Maximum Reflectance (%)	Standard Deviation	Range	Number of Determinations
<u>COD-1</u>				
7100-7120	0.63	0.06	0.53-0.81	41
8333-8339	0.59	0.05	0.47-0.67	34
9030-9060	0.75	0.06	0.61-0.85	32
9460-9470	0.77	0.06	0.61-0.86	41
<u>FLOUNDER-1</u>				
7430	0.44	0.05	0.36-0.56	39
8783-8795	0.64	0.04	0.56-0.77	36
9140	0.61	0.06	0.52-0.77	42
10395-10400	0.72	0.06	0.58-0.80	34
11350-11356	0.90	0.05	0.76-0.97	36
11676-11682	0.90	0.07	0.78-1.04	44
<u>HALIBUT-1</u>				
7888-7891	0.49	0.07	0.37-0.67	39
8450-8460	0.54	0.04	0.47-0.61	31
9250-9260	0.57	0.06	0.46-0.66	43
9630-9640	0.61	0.04	0.54-0.69	35
9870-9880	0.63	0.06	0.47-0.75	52
<u>MACKEREL-1</u>				
8760-8780	0.63	0.05	0.52-0.71	31
9630-9650	0.66	0.05	0.69-0.76	25
9870-9890	0.65	0.02	0.60-0.73	28

Depth (ft)	Mean Maximum Reflectance (%)	Standard Deviation	Range	Number of Determinations
<u>MARLIN-1</u>				
7070-7080	0.65	0.08	0.52-0.80	32
7497-7501	0.65	0.04	0.54-0.72	38
7780-7800	0.67	0.09	0.47-0.88	39
8230-8240	0.71	0.07	0.64-0.79	4
8455-8461	0.70	0.06	0.56-0.79	32
<u>NANNYGAI-1</u>				
7760-7670	0.052	0.07	0.39-0.65	33
8320-8340	0.50	0.05	0.42-0.65	32
9450-9470	0.64	0.04	0.57-0.71	35
9860-9880	0.64	0.06	0.51-0.75	31
<u>SALMON-1</u>				
7670-7690	0.50	0.06	0.38-0.64	35
8030-8050	0.56	0.05	0.45-0.67	37
8860	0.60	0.05	0.45-0.67	33
9250-9260	0.64	0.06	0.54-0.79	36
9856-9862	0.80	0.05	0.68-0.87	37
<u>SNAPPER-1</u>				
7280-7300	0.56	0.06	0.43-0.69	37
7754-7760	0.56	0.09	0.38-0.73	38
9254-9257	0.68	0.03	0.60-0.72	33
9900-9903	0.86	0.10	0.62-0.96	17
10140-10200	0.81	0.10	0.58-1.01	31
10495-10507	0.99	0.06	0.81-1.06	35

6.0. VELOCITY SURVEY

VELOCITY SURVEY  
ALBACORE 1.

Albacore

G1/30/66

Page 1 of 13



February 15, 1972.

To R.E. Slaydon.  
W.J. Lapinski.

**OIL and GAS DIVISION**

PJB.

12 APR 1983

Albacore Velocity Survey.

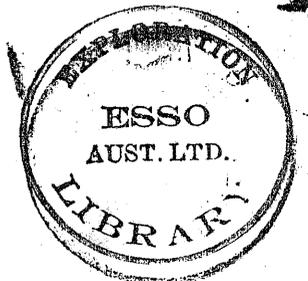
It seems there is a possibility that the velocity survey T.D. curve on Albacore 1 could be in error at the Latrobe. The seismic section time is approximately 1720 MS, allowing 35 MS for cycle build up etc. The oneway time to the Latrobe should be 843 MS. The time from the velocity survey is given as 832 MS. However this is an average of two records, one with a time of 827, the other with time 837. Both these records are of excellent quality and there seems to be no reasonable explanation for the differences in the recorded times (a third shot should have been taken at this level).

Using the sonic log to extrapolate from the preceeding shot the one way time is 837.

Consequently, the curve was redrawn honouring the lower velocity point at the Latrobe.

PJB:dmo.

P.J. Birmingham.



837  
x 2  
1674

1720  
- 35  
1685

Well .. ALBACORE. I.....

Basin .. GIPPSLAND.....

INTRODUCTION

Esso personnel .. W. R. STONE.....

Contractor ..... UNITED GEOPHYSICAL.....

Supplied (1) Instruments

(2) Personnel

Seismic Observer R. THORN - J. LARSEN.

Marine Shooter .. L. MOORE.....

(3) Licenced Shooting Boat

name ..... WENDY MAREE.....

date loaded .... 2/6/70.....

date released .. 10/6/70.....

Agent ... DESMA ENGINEERING.....

amount of powder .. 433..... lbs

size of cans 5, .. 33 $\frac{1}{2}$ , .. 50..... lbs.

number of cans .. 19.....

number of caps .. 19.....

number of boosters .. 19.....

## Personnel and Instruments

assembled at ... Longford..... date .. 2/6/70.....

boarded (rig) .. Ocean Digger..... date .. 2/6/70.....

date of survey .. 3/6/70.....

casing depth ..... 2764.....

T.D. when shot .. 10664..... FTD .. 10664.....

water depth ..... 3361.....

SURVEY PROCEDURE

Weather: sea ..... Calm.....

rig movement ..... Slight.....

rig noise ..... Nil.....

Hydrophones: number ..... 2.....

depth below sea level ..... 20..... ft

position .. Moon Pool & Side of Rig.....

## Shot Positioning and Charges:

marker buoys (number .....)

(distance .....)

(direction .....)

charge depth ... 40' & 10'..... ft

number of shots ... 11..... charge size... Varied... lbs

number of shots ..... charge size..... lbs

number of misfires ..... None.....

amount of powder used .. 433..... lbs

amount of powder dumped.....None.... lbs.

Well-phone positioning:

T-bar ..... Not Used .....

number of depths 8 .....

Time: first shot .....10:25.....

last shot .....1545.....

rig time .7:20 less shut down time due to helicopter landing, etc.

RESULTS

Quality of records (good .....16.....  
(fair .....  
(poor .....3.....  
(not used .....)

Comparison of Interval Times.  
with sonic log

/ /average.....3.4..... microsec/foot

/ max/.....14.5..... microsec/foot

CONCLUSION

Reliability of T-D curve .....Fair/Good.....

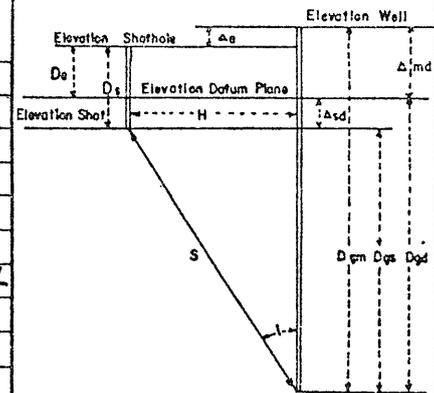
COMMENTS

Additional rig time necessary due to phone failure, having to remove from hole and replace.

Also, on 4/6/70, an additional time of 1 1/2 hours was entailed testing out the velocity phone in conjunction with the gas gun.

3-12

Shothole Information:- Elevation, Distance & Direction from Well										Company		Well		Elevation (Derrick Floor)	Total Depth	LOCATION											
GAS GUN										ESSO EXPLORATION AUSTRALIA INC.		ALBACORE 1		99		Coordinates		Section, Township, Range	County	Area or Field							
Record Number	Shothole Number	Time of Shot	Dgm	Ds	tus	tr	T			Dgs	H	TAN i	Cos i	Tgs	Δsd	$\frac{\Delta sd}{V}$	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	VI Interval Velocity	Va Average Velocity	Elevation Shot		Elevation Well	
							Reading	Polarity	Grade																		
			2800	40	.008	.029	.360	D		2661	145	.054	.999	.360	40.008	.368	.368	2701			1625	.149	10888	7350			
			4425	40	.008	.029	.509	D		4286	145	.034	.999	.509	40.008	.517	.517	4326			345	.029	11885	8372			
			4770	40	.008	.029	.538	D		4631	145	.031	1.000	.538	40.008	.546	.546	4671			1954	.144	13560	8559			
			6724	40	.008	.029	.682	D		6585	145	.022	1.000	.682	40.008	.690	.690	6625			3876	.348	11136	9604			
			10600	40	.008	.029	1.030	D		10461	145	.014	1.000	1.030	40.008	1.038	1.038	10501						10118			

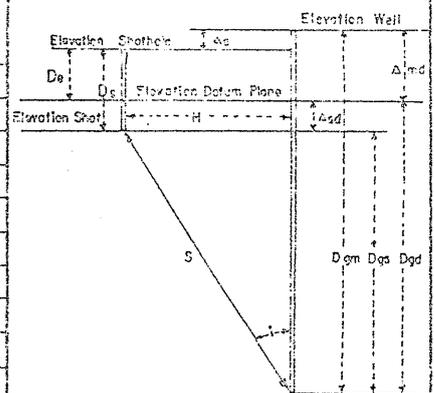


Dgm = Geophone depth measured from well elevation  
 Dgs = " " " " shot " "  
 Dgd = " " " " datum " "  
 Ds = Depth of shot  
 De = Shothole elevation to datum plane  
 H = Horizontal distance from well to shotpoint  
 S = Straight line travel path from shot to well geophone  
 tus = Uphole time of shotpoint  
 T = Observed time from shotpoint to well geophone.  
 tr = " " " to reference geophone.  
 Δe = Difference in elevation between well & shotpoint.  
 Δsd = " " " " shot & datum plane  
 Δsd = Ds - De  
 Dgs = Dgm - Ds ± Δe; tan i =  $\frac{H}{Dgs}$   
 Tgs = cos i T = Vert. travel time from shot elev. to geophone  
 Tgd =  $Tgs \pm \frac{\Delta sd}{V}$  = " " " datum plane " "  
 Dgd = Dgm - Δmd  
 VI = Interval velocity =  $\frac{\Delta Dgd}{\Delta Tgd}$   
 Va = Average =  $\frac{Dgd}{Tgd}$

Surveyed by: .....  
 Date: .....  
 Weathering Data: .....  
 Casing Record: .....

A-12

Shot hole information: - Elevation, Distance & Direction from Well			Company Well														LOCATION											
DYNAMITE			ESSO EXPLORATION AUSTRALIA INC. ALBACORE 1														Elevation (Derrick Floor)		Total Depth		Coordinates		Section, Township, Range		County		Area or Field	
Record Number	Shot hole Number	Time of Shot	Dgm	Ds	tus	tr	T			Dgs	H	TAN I	Cos i	Tgs	Δsd	$\frac{\Delta sd}{V}$	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity	Elevation Shot	Elevation Well			
						Reading	Relativity	Grade																				
			2800	40		244	391	U	2661	1220	.458	.909	.355	40.088	.363	.362	2701							7401				
			2800	10		204	383	U	2691	1020	.379	.935	.358	10.002	.360					1625	.153	10621						
			4425	40		231	523	U	4286	1155	.269	.966	.505	40.008	.513	.515	4326							8400				
			4425	10		207	529	U	4316	1035	.240	.972	.514	10.002	.516					345	.022	15682						
			4770	40		227	549	U	4631	1135	.245	.971	.536	40.008	.541	.537	4671							8698				
			4770	10		206	544	U	4661	1030	.221	.976	.531	10.002	.533					1954	.149	13054						
			6724	40		219	685	U	6585	1095	.166	.986	.676	40.008	.684	.686	6625							9657				
			6724	10		206	694	U	6615	1030	.156	.988	.686	10.002	.688					398	.035	11371						
			7122	40		205	721	U	6983	1025	.147	.989	.713	40.008	.721	.721	7023							9741				
			7122	10		230	742	U	7013	1150	.164	.987	.719	10.002	.721					178	.020	8900						
			7300	40		208	740	U	7161	1040	.145	.990	.732	40.008	.740	.741	7201							9718				
			7300	10		253	752	U	7191	1265	.176	.985	.740	10.002	.742					960	.091	10549						
			8260	40		168	823	U	8121	840	.103	.995	.819	40.008	.827	.832	8161							9809				
			8260	10		249	845	U	8151	1245	.153	.989	.829	10.002	.837					1840	.194	9485						
			10600	40		180	1.021	U	10461	900	.086	.996	1.017	40.008	1.025	1.026	10501							10235				
			10600	10		272	1.033	U	10491	1360	.130	.992	1.024	10.002	1.026													



Dgm = Geophone depth measured from well elevation  
 Dgs = " " " " shot "  
 Dgd = " " " " datum "  
 Ds = Depth of shot  
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 S = Straight line travel path from shot to well geophone  
 tus = Uphole time at shotpoint  
 T = Observed time from shotpoint to well geophone.  
 tr = " " to reference geophone.  
 Δe = Difference in elevation between well & shotpoint.  
 Δsd = " " " " shot & datum plane  
 Δsd = Ds - De  
 Dgs = Dgm - De ± Δe ; tan i =  $\frac{H}{Dgs}$   
 Tgs = cos i T = Vert. travel time from shot elev. to geophone  
 Tgd =  $Tgs \pm \frac{\Delta sd}{V}$  = " " " datum plane "  
 Dgd = Dgm - Δmd  
 Vi = Interval velocity =  $\frac{\Delta Dgd}{\Delta Tgd}$   
 Va = Average =  $\frac{Dgd}{Tgd}$

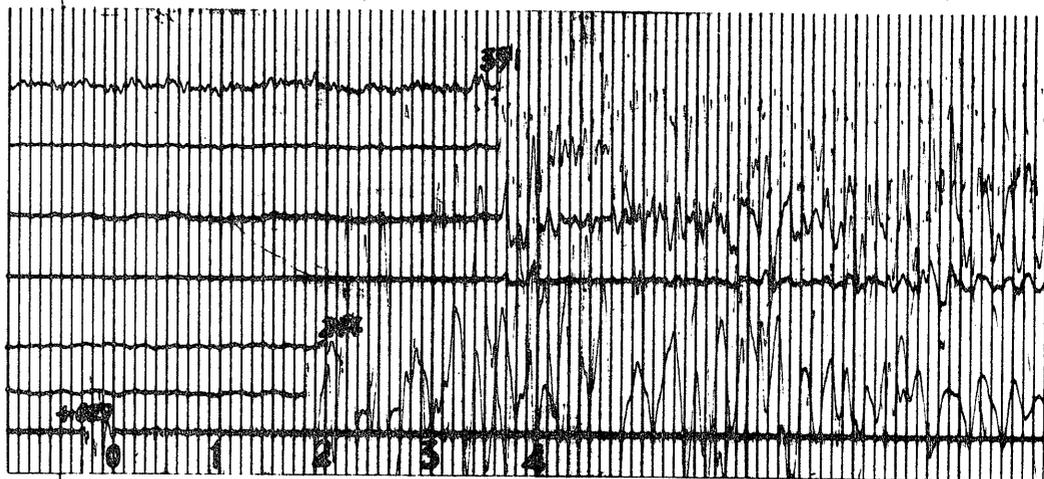
Surveyed by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Weathering Data: \_\_\_\_\_  
 Casing Record

Depth Rel.	Av. Vertical Travel Time (check shots)	Ti Check Shots (sec.)	Ti Sonic Log (sec.)	(Millisecs.)	Depth Interval (ft.)	Error (Microsec per ft.)
DYNAMITE						
2800	.362	.153	.150	+3	1625	-1.8
4425	.515					
4425	.515	.022	.027	+5	345	+14.5
4770	.537					
4770	.537	.149	.143	-6	1954	3.0
6724	.686					
6724	.686	.035	.035	0	396	0
7122	.721					
7122	.721	.020	.020	0	178	0
700	.741					
300	.741	.091	.097	+6	960	6.3
8260	.832 / 837					
8260	.832 / 837	.194	.188	-6	1840	3.3
10600	1.026					
GAS GUN						
2800	.368	.149	.150	+1	1625	0.6
4425	.517					
4425	.517	.029	.027	-2	345	-5.8
4770	.546					
4770	.546	.144	.143	-1	1954	-0.5
6724	.690					
6724	.690	.348	.340	-8	3876	-2.1
10600	1.038					

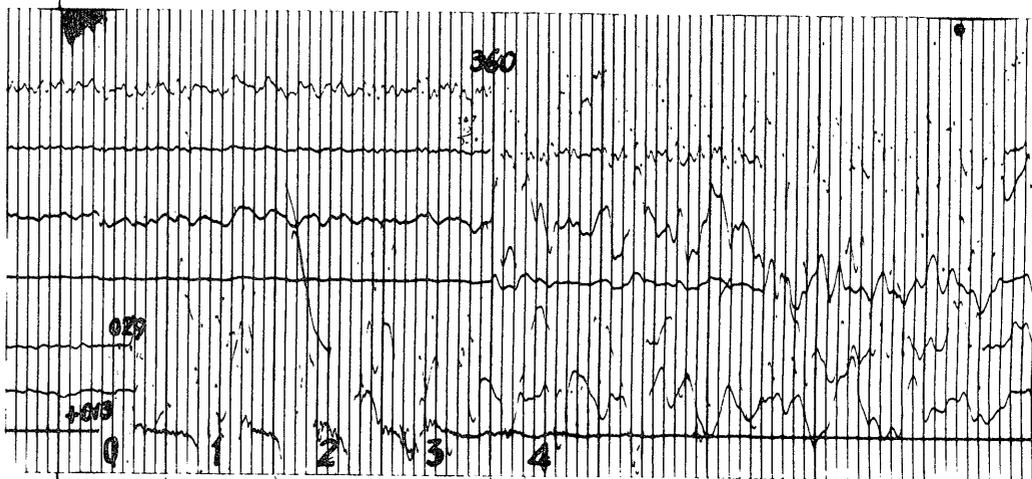
## ALBACORE - 1

## Well Velocity Record

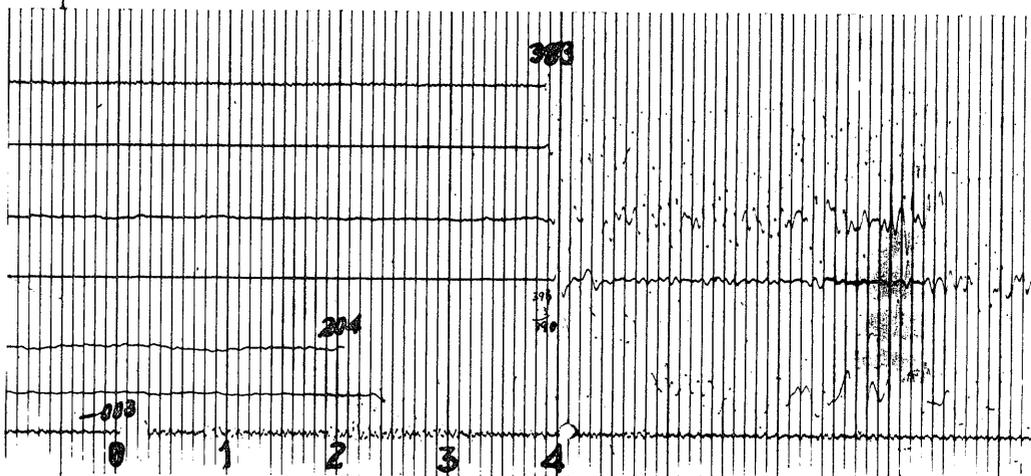
SHOT - 10  
2800' K. B.  
5 @ 40'  
DYN. WITH PRESS.  
PHONE



SHOT - 8  
2800' K. B.  
GAS GUN WITH  
PRESSURE PHONE



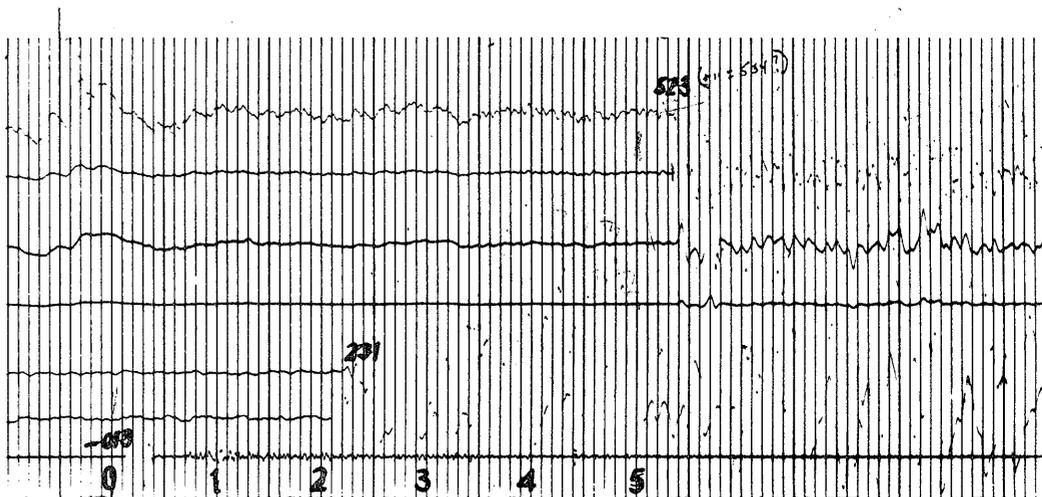
SHOT - 35  
2800' K. B.  
DYNAMITE WITH  
PRESSURE PHONE  
33 1/3 @ 10'



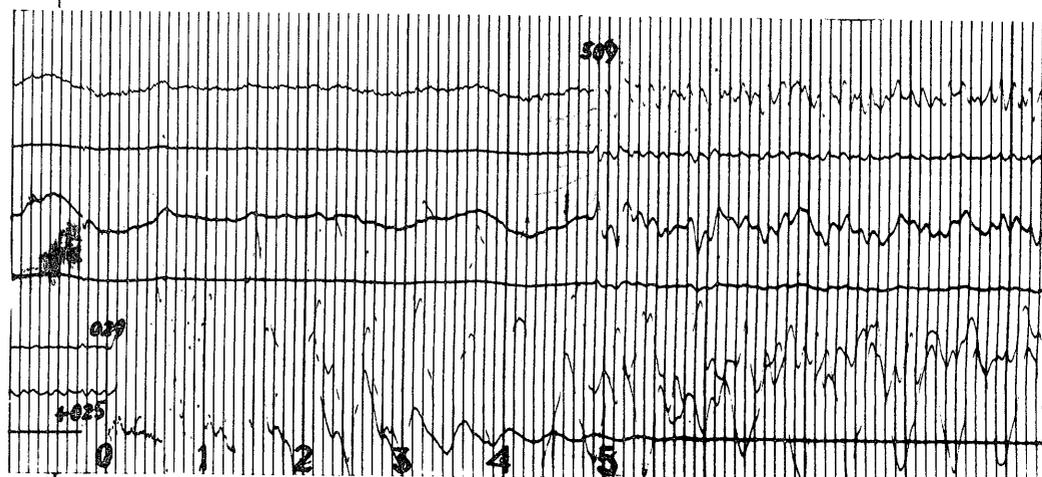
# ALBACORE - 1

## Well Velocity Record

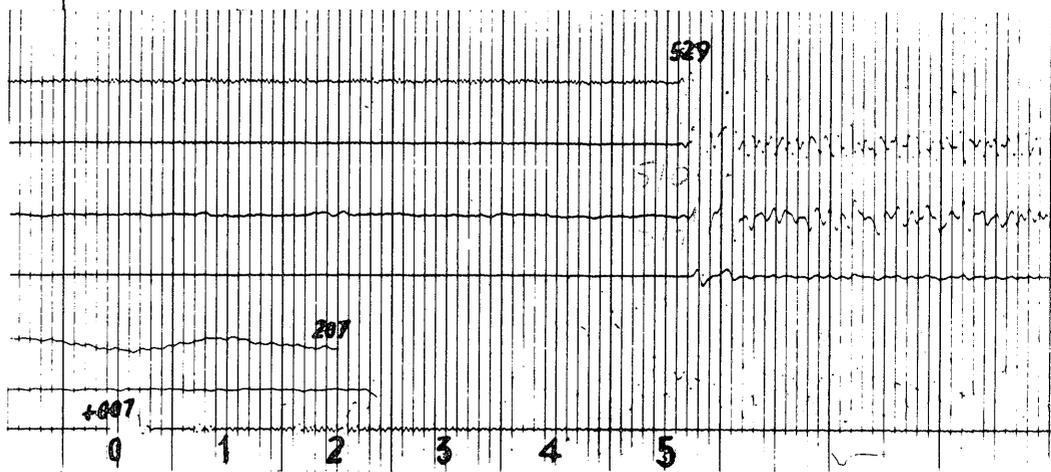
SHOT - 13  
 4425' K.B.  
 5 @ 40'  
 DYNAMITE WITH  
 PRESSURE PHONE



SHOT - 12  
 4425' K.B.  
 GAS GUN WITH  
 PRESSURE PHONE



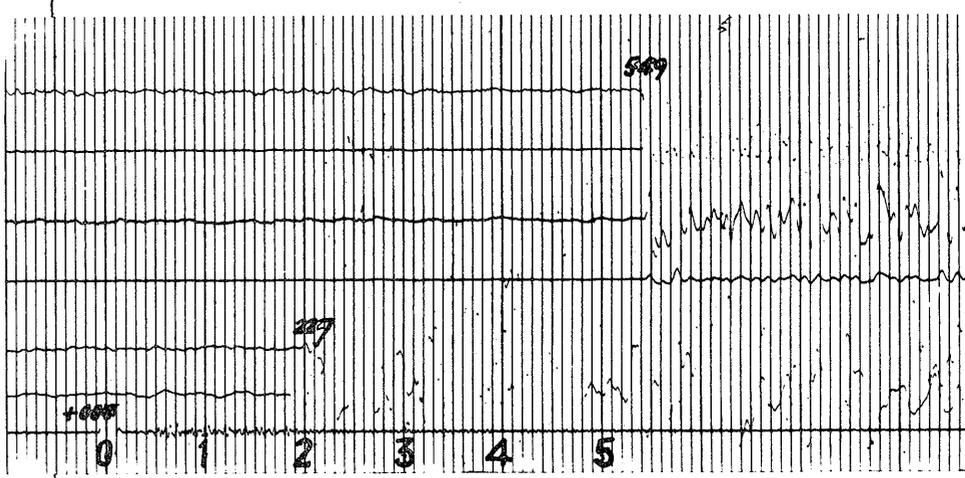
SHOT - 34  
 4425' K.B.  
 33 1/3 @ 10'  
 DYNAMITE WITH  
 PRESSURE PHONE



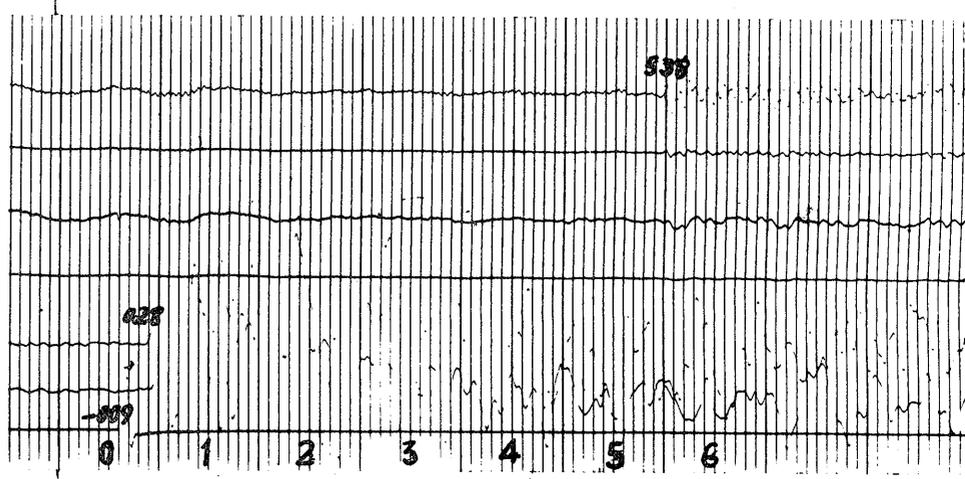
# ALBACORE - 1

## Well Velocity Record

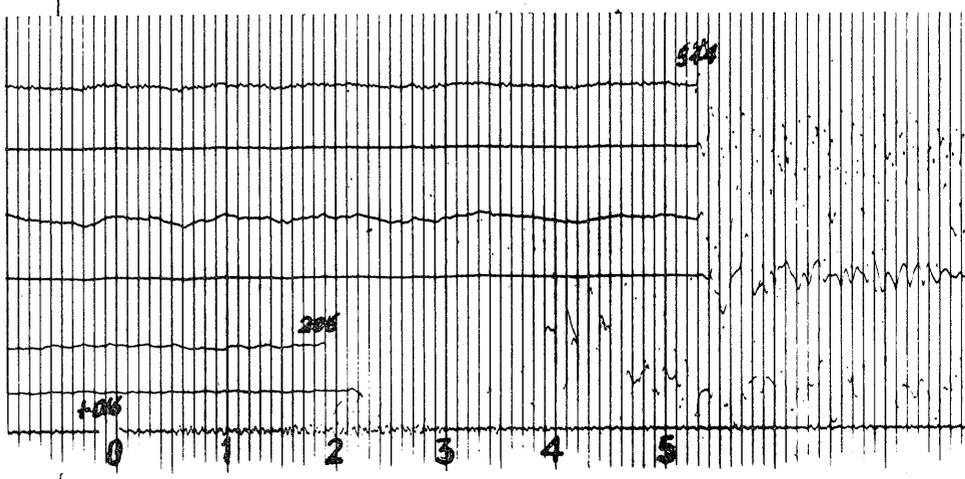
SHOT - 16  
4770' K.B.  
5 @ 40'  
DYNAMITE WITH  
PRESSURE PHONE



SHOT - 14  
4770' K.B.  
GAS GUN WITH  
PRESSURE PHONE



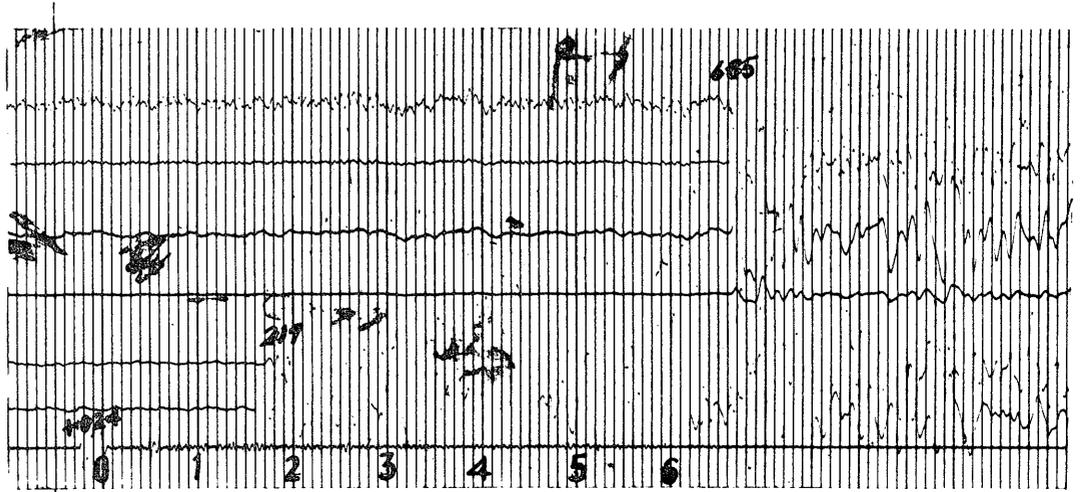
SHOT - 33  
4770' K.B.  
33 1/3 @ 10'  
DYNAMITE WITH  
PRESSURE PHONE



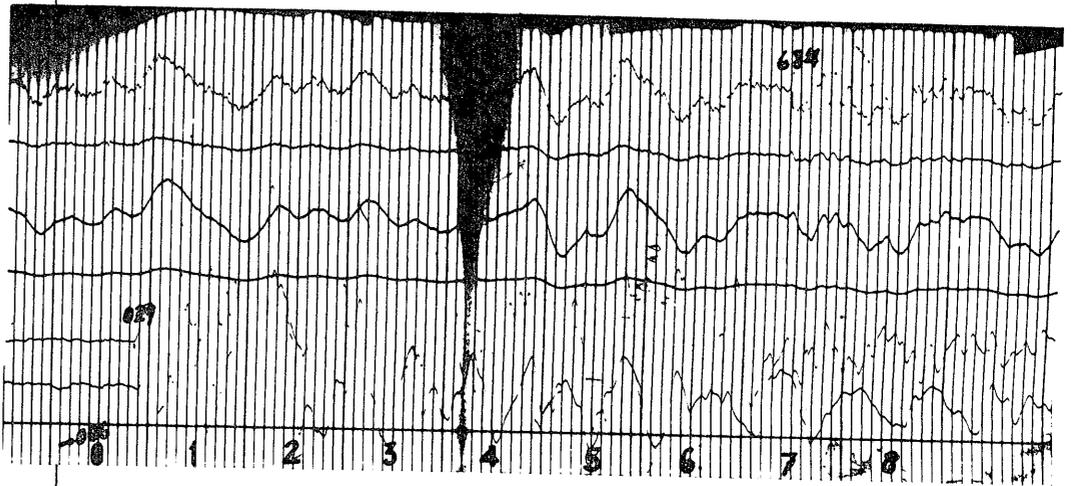
# ALBACORE - 1

## Well Velocity Record

SHOT - 20  
 6724' K.B.  
 5 @ 40'  
 DYNAMITE WITH  
 PRESSURE PHONE



SHOT - 17  
 6724' K.B.  
 GAS GUN WITH  
 PRESSURE PHONE



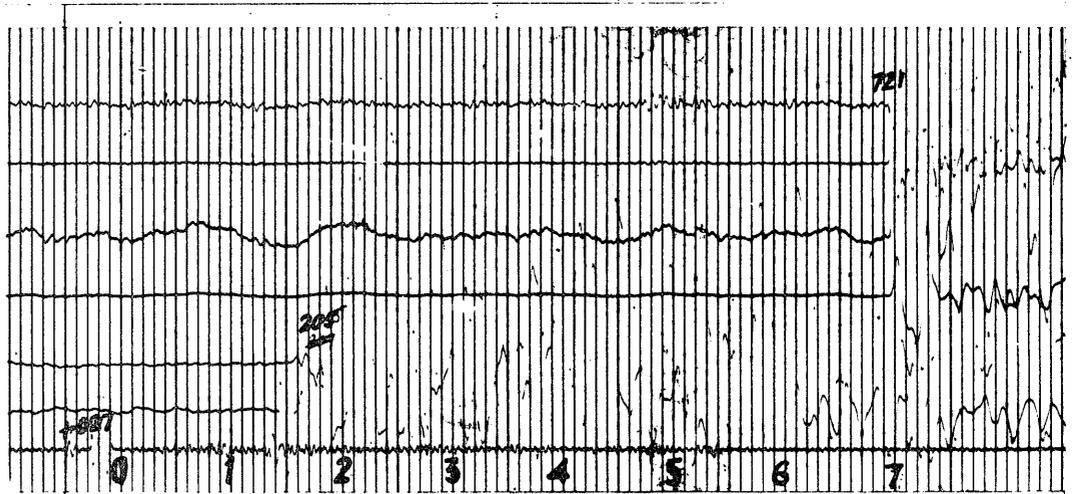
SHOT - 32  
 6724' K.B.  
 33 1/3 @ 10'  
 DYNAMITE WITH  
 PRESSURE PHONE



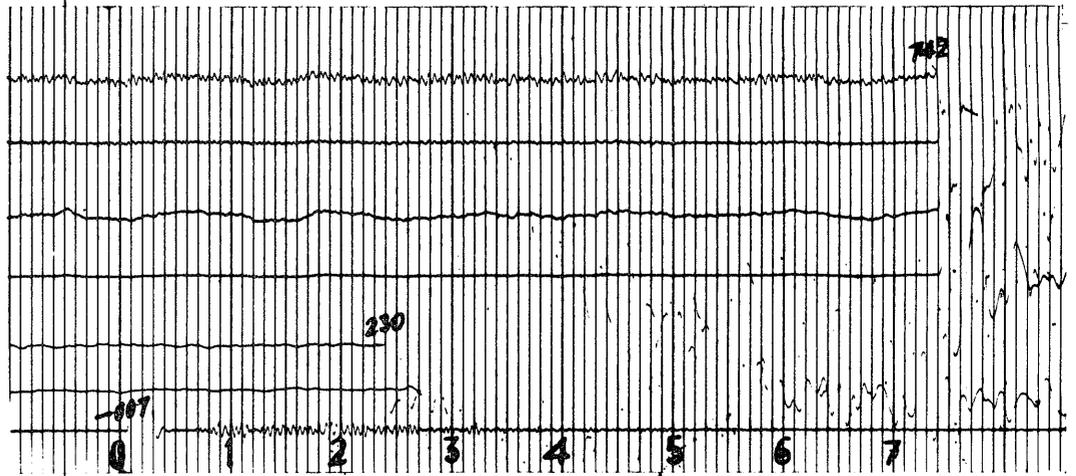
# ALBACORE - 1

## Well Velocity Record

SHOT - 21  
7122' K.B.  
5 @ 40'  
DYNAMITE WITH  
PRESSURE PHONE



SHOT - 31  
7122' K.B.  
50 @ 10'  
DYNAMITE WITH  
PRESSURE PHONE

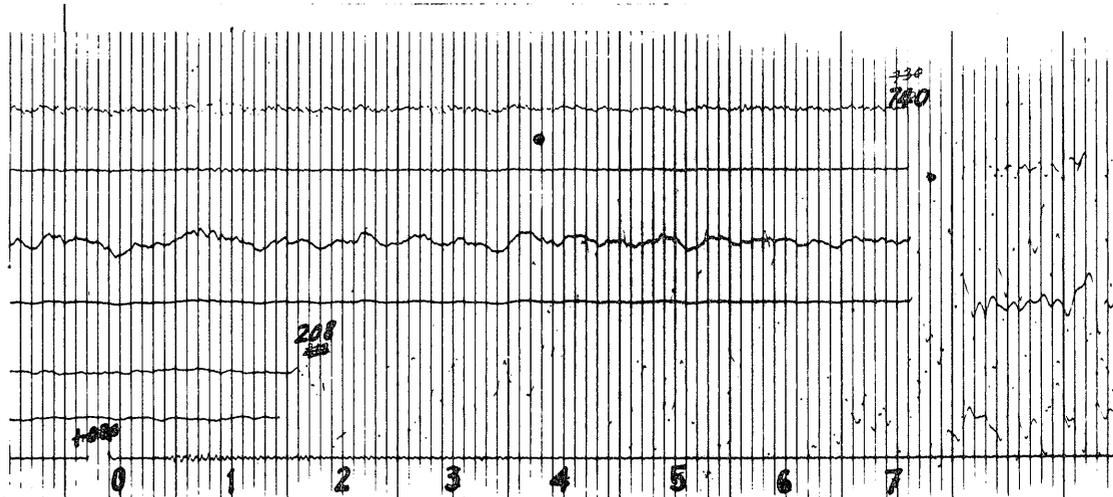


# ALBACORE - 1

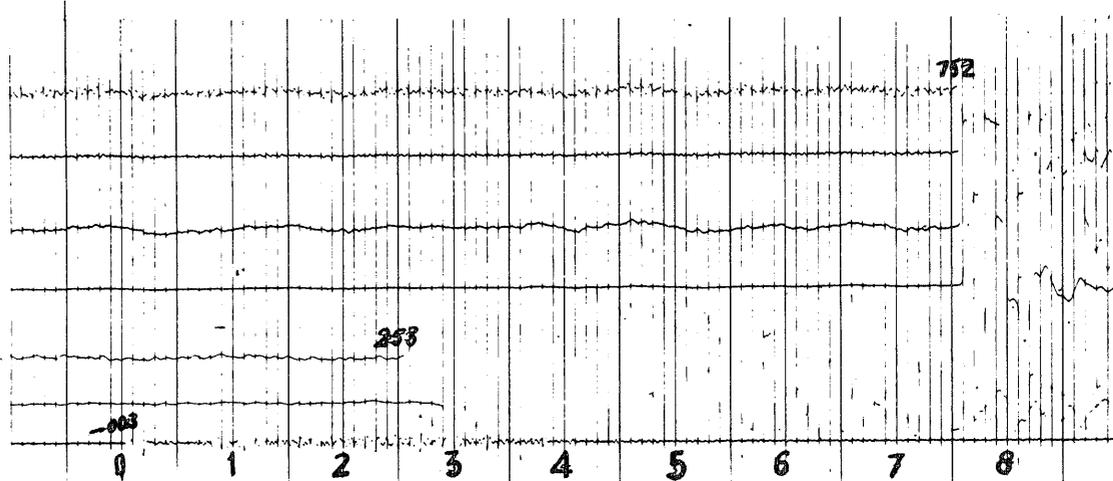
1-12

## Well Velocity Record

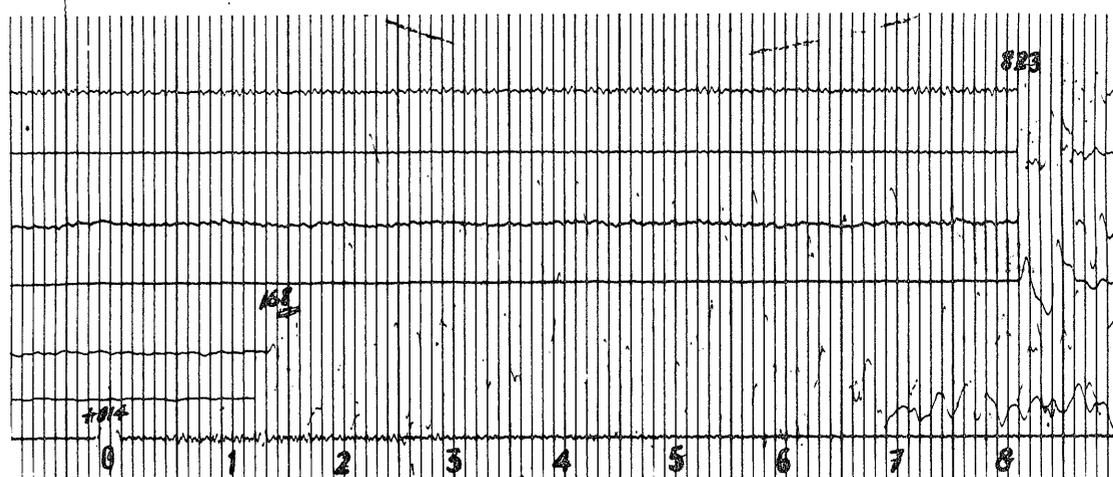
SHOT - 22  
7300' K.B.  
5 @ 40'  
DYNAMITE WITH  
PRESSURE PHONE



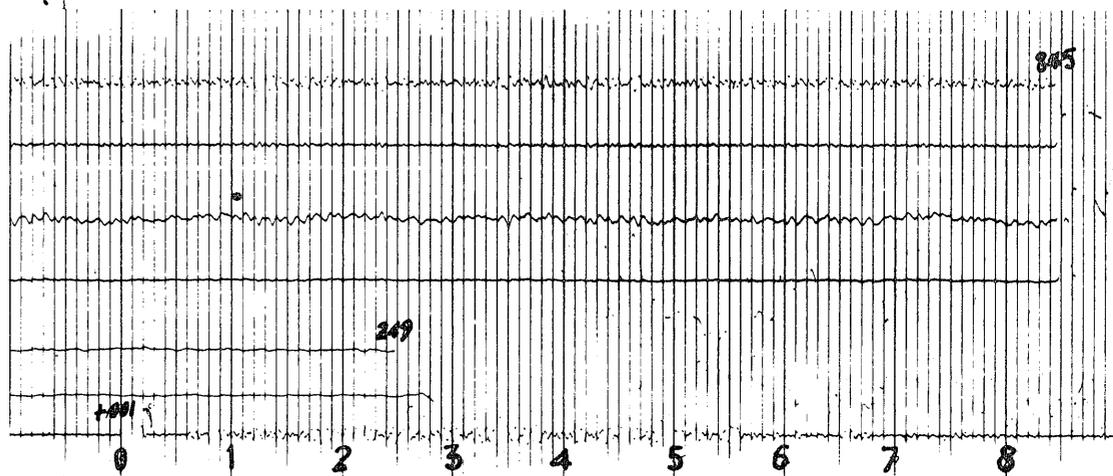
SHOT - 30  
7300' K.B.  
50 @ 10'  
DYNAMITE WITH  
PRESSURE PHONE



SHOT - 23  
8260' K.B.  
5 @ 40'  
DYNAMITE WITH  
PRESSURE PHONE



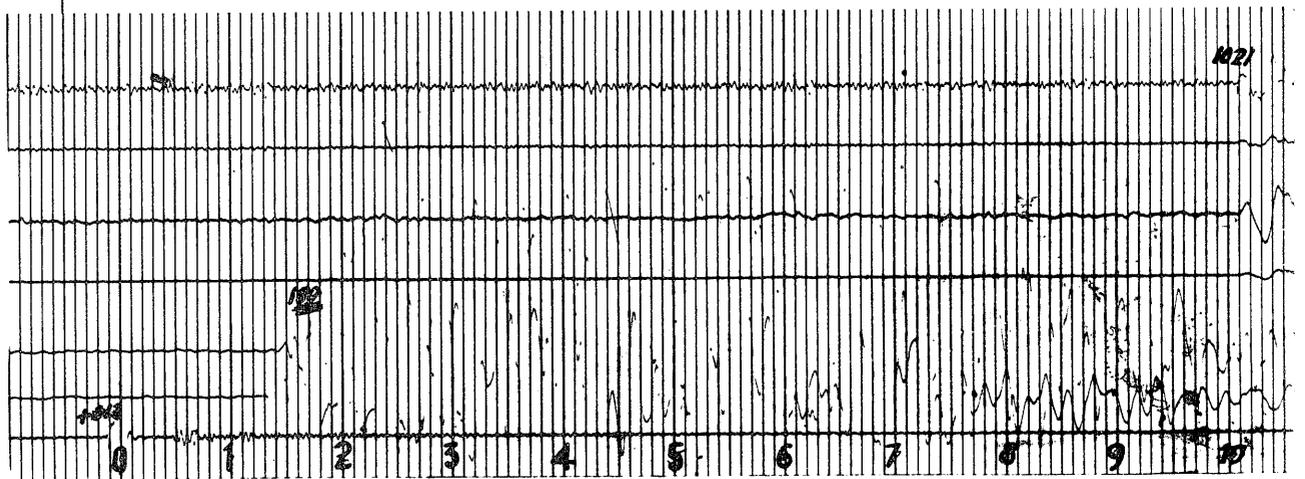
SHOT - 29  
8260' K.B.  
50 @ 10'  
DYNAMITE WITH  
PRESSURE PHONE



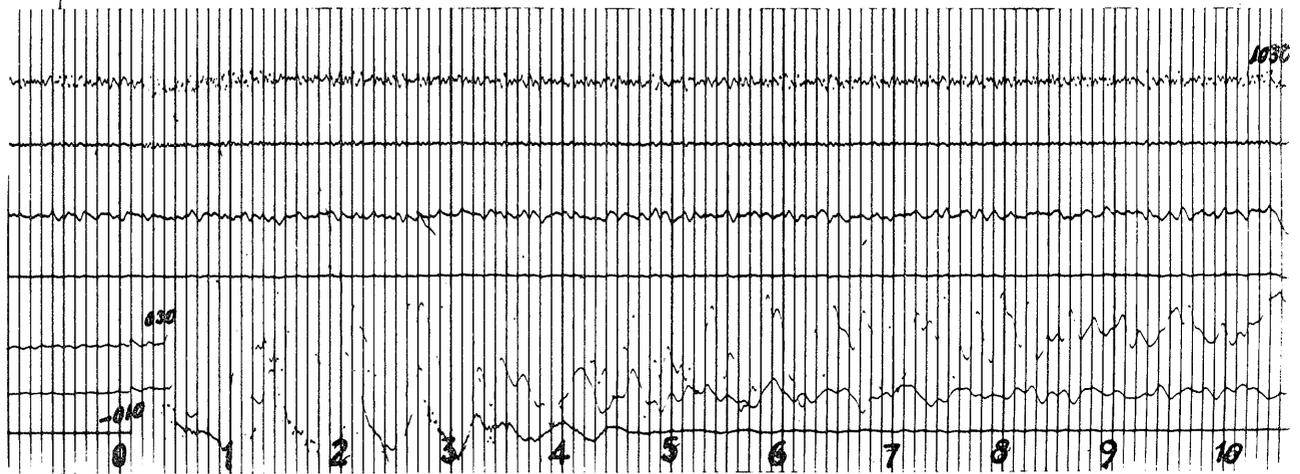
# ALBACORE - 1

## Well Velocity Record

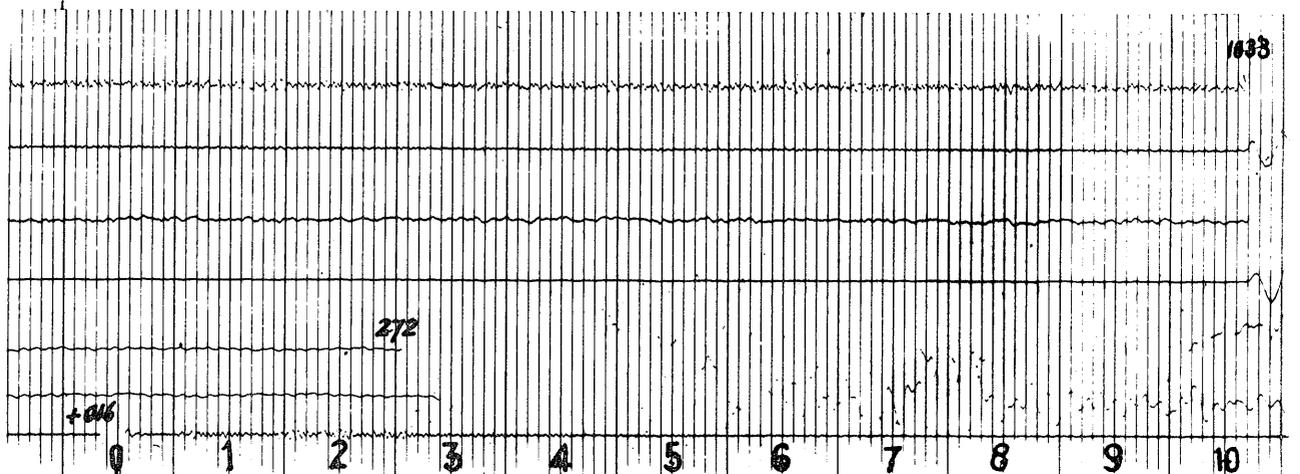
OT - 24  
 500' K.B.  
 @ 40'  
 JAMITE WITH  
 ASSURE PHONE



OT - 28  
 500' K.B.  
 3 GUN WITH  
 ASSURE PHONE



OT - 26  
 500' K.B.  
 @ 10'  
 JAMITE WITH  
 ASSURE PHONE



6.0. ENCLOSURES.

- Time Depth Curve
- Mud Log
- Well Completion Log

PE904286

This is an enclosure indicator page.  
The enclosure PE904286 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE904286 has the following characteristics:

ITEM\_BARCODE = PE904286  
CONTAINER\_BARCODE = PE904285  
NAME = Albacore 1 Time Depth Curve  
BASIN = GIPPSLAND  
PERMIT = VIC/L5  
TYPE = WELL  
SUBTYPE = VELOCITY\_CHART  
DESCRIPTION = Albacore 1 Time Depth Curve (basic  
data). Small enclosure used for  
copying.  
REMARKS =  
DATE\_CREATED = 25/08/1971  
DATE\_RECEIVED =  
W\_NO = W586  
WELL\_NAME = ALBACORE-1  
CONTRACTOR = ESSO AUSTRALIA LTD  
CLIENT\_OP\_CO = ESSO AUSTRALIA LTD

(Inserted by DNRE - Vic Govt Mines Dept)

PE903364

This is an enclosure indicator page.  
The enclosure PE903364 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE903364 has the following characteristics:

ITEM\_BARCODE = PE903364  
CONTAINER\_BARCODE = PE904285  
NAME = Albacore 1 Time depth curve  
BASIN = GIPPSLAND  
PERMIT = VIC/L5  
TYPE = WELL  
SUBTYPE = VELOCITY\_CHART  
DESCRIPTION = Albacore 1 time depth curve  
REMARKS =  
DATE\_CREATED = 25/08/71  
DATE\_RECEIVED = 12/04/83  
W\_NO = W586  
WELL\_NAME = Albacore-1  
CONTRACTOR = Esso Australia Ltd  
CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE602089

This is an enclosure indicator page.  
The enclosure PE602089 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE602089 has the following characteristics:

ITEM\_BARCODE = PE602089  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 Mud Log  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
DESCRIPTION = Albacore 1 mud log  
REMARKS =  
DATE\_CREATED =  
DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
CONTRACTOR = Exploration Logging Inc  
CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE603733

This is an enclosure indicator page.  
The enclosure PE603733 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603733 has the following characteristics:

ITEM\_BARCODE = PE603733  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 2  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 2  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603734

This is an enclosure indicator page.  
The enclosure PE603734 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603734 has the following characteristics:

ITEM\_BARCODE = PE603734  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 3  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 3  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603735

This is an enclosure indicator page.  
The enclosure PE603735 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603735 has the following characteristics:

ITEM\_BARCODE = PE603735  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 4  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 4  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603736

This is an enclosure indicator page.  
The enclosure PE603736 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603736 has the following characteristics:

ITEM\_BARCODE = PE603736  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page-5  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page-5  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603737

This is an enclosure indicator page.  
The enclosure PE603737 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603737 has the following characteristics:

ITEM\_BARCODE = PE603737  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 6  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 6  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603738

This is an enclosure indicator page.  
The enclosure PE603738 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603738 has the following characteristics:

ITEM\_BARCODE = PE603738  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 7  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 7  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603739

This is an enclosure indicator page.  
The enclosure PE603739 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603739 has the following characteristics:

ITEM\_BARCODE = PE603739  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 8  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 8  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603740

This is an enclosure indicator page.  
The enclosure PE603740 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603740 has the following characteristics:

ITEM\_BARCODE = PE603740  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 9  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 9  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603741

This is an enclosure indicator page.  
The enclosure PE603741 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603741 has the following characteristics:

ITEM\_BARCODE = PE603741  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 10  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 10  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 22/05/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603742

This is an enclosure indicator page.  
The enclosure PE603742 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603742 has the following characteristics:

- ITEM\_BARCODE = PE603742
- CONTAINER\_BARCODE = PE904285
- NAME = Albacore 1 mud log (21 pages total)  
page 11
- BASIN = GIPPSLAND
- PERMIT = VIC/L5
- TYPE = WELL
- SUBTYPE = MUD\_LOG
- DESCRIPTION = Albacore 1 mud log (21 pages) page 11
- REMARKS =
- DATE\_CREATED = 10/05/70
- DATE\_RECEIVED =
- W\_NO = W586
- WELL\_NAME = Albacore-1
- CONTRACTOR = Exploration Logging Inc
- CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603743

This is an enclosure indicator page.  
The enclosure PE603743 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603743 has the following characteristics:

ITEM\_BARCODE = PE603743  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 12  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 12  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED =  
        W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603744

This is an enclosure indicator page.  
The enclosure PE603744 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603744 has the following characteristics:

ITEM\_BARCODE = PE603744  
CONTAINER\_BARCODE = PE904285  
NAME = Albacore 1 mud log (21 pages total)  
page 13  
BASIN = GIPPSLAND  
PERMIT = VIC/L5  
TYPE = WELL  
SUBTYPE = MUD\_LOG  
DESCRIPTION = Albacore 1 mud log (21 pages) page 13  
REMARKS =  
DATE\_CREATED = 10/05/70  
DATE\_RECEIVED =  
W\_NO = W586  
WELL\_NAME = Albacore-1  
CONTRACTOR = Exploration Logging Inc  
CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603745

This is an enclosure indicator page.  
The enclosure PE603745 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603745 has the following characteristics:

ITEM\_BARCODE = PE603745  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 14  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 14  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED =  
        W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603746

This is an enclosure indicator page.  
The enclosure PE603746 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603746 has the following characteristics:

ITEM\_BARCODE = PE603746  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 15  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 15  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED =  
        W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603747

This is an enclosure indicator page.  
The enclosure PE603747 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603747 has the following characteristics:

ITEM\_BARCODE = PE603747  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 16  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 16  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED =  
        W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603748

This is an enclosure indicator page.  
The enclosure PE603748 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603748 has the following characteristics:

ITEM\_BARCODE = PE603748  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 17  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 17  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 11/06/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603749

This is an enclosure indicator page.  
The enclosure PE603749 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603749 has the following characteristics:

ITEM\_BARCODE = PE603749  
CONTAINER\_BARCODE = PE904285  
NAME = Albacore 1 mud log (21 pages total)  
page 18  
BASIN = GIPPSLAND  
PERMIT = VIC/L5  
TYPE = WELL  
SUBTYPE = MUD\_LOG  
DESCRIPTION = Albacore 1 mud log (21 pages) page 18  
REMARKS =  
DATE\_CREATED = 10/05/70  
DATE\_RECEIVED = 11/06/70  
W\_NO = W586  
WELL\_NAME = Albacore-1  
CONTRACTOR = Exploration Logging Inc  
CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603750

This is an enclosure indicator page.  
The enclosure PE603750 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603750 has the following characteristics:

ITEM\_BARCODE = PE603750  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 19  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 19  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 11/06/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603751

This is an enclosure indicator page.  
The enclosure PE603751 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603751 has the following characteristics:

ITEM\_BARCODE = PE603751  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
          page 20  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 20  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 11/06/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE603752

This is an enclosure indicator page.  
The enclosure PE603752 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE603752 has the following characteristics:

ITEM\_BARCODE = PE603752  
CONTAINER\_BARCODE = PE904285  
    NAME = Albacore 1 mud log (21 pages total)  
        page 21  
    BASIN = GIPPSLAND  
    PERMIT = VIC/L5  
    TYPE = WELL  
    SUBTYPE = MUD\_LOG  
    DESCRIPTION = Albacore 1 mud log (21 pages) page 21  
    REMARKS =  
    DATE\_CREATED = 10/05/70  
    DATE\_RECEIVED = 11/06/70  
    W\_NO = W586  
    WELL\_NAME = Albacore-1  
    CONTRACTOR = Exploration Logging Inc  
    CLIENT\_OP\_CO = Esso BHP

(Inserted by DNRE - Vic Govt Mines Dept)

PE601474

This is an enclosure indicator page.  
The enclosure PE601474 is enclosed within the  
container PE904285 at this location in this  
document.

The enclosure PE601474 has the following characteristics:

- ITEM\_BARCODE = PE601474
- CONTAINER\_BARCODE = PE904285
  - NAME = Well Completion Log
  - BASIN = GIPPSLAND
  - PERMIT = VIC L5
  - TYPE = WELL
  - SUBTYPE = well log
- DESCRIPTION = Well Completion Log
- REMARKS =
- DATE\_CREATED = 06/05/1970
- DATE\_RECEIVED =
  - W\_NO = W586
  - WELL\_NAME = Albacore-1
  - CONTRACTOR = ESSO
  - CLIENT\_OP\_CO = ESSO

(Inserted by DNRE - Vic Govt Mines Dept)