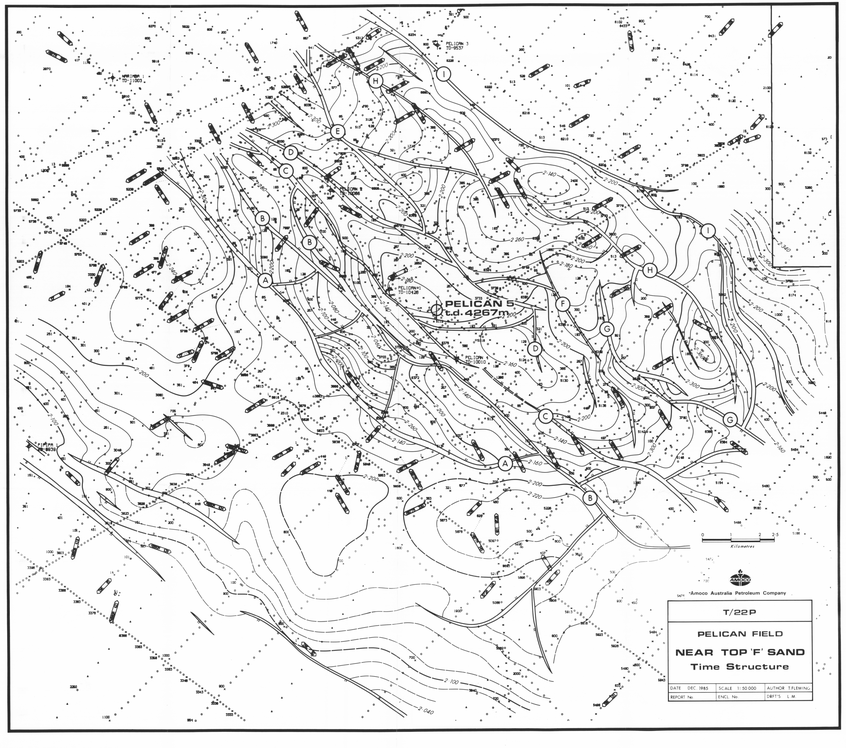
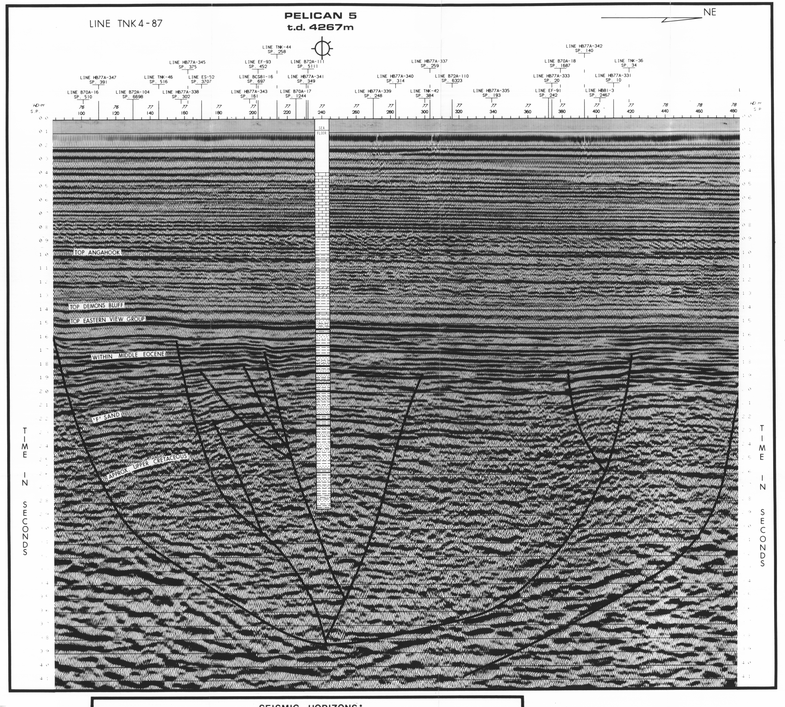


'Amoco Australia Petroleum Company

T/22P
PELICAN FIELD
NEAR TOP 'F' SAND
Time Structure

DATE DEC 1985	SCALE 1:50 000	AUTHOR T.FLEMING
REPORT No.	ENGL. No.	DRFT'S L.M.



SEISMIC HORIZONS*

FORMATION TOPS	DEPTH	TWT	AGE	DEPTH	TWT
TORQUAY GROUP	99·7	·089	LATE EOCENE (?)	1630	1·376
Angahook Fm.	1150·0	·994	EARLY EOCENE		
DEMONS BLUFF	1630·0	1·376	upper M. diversus	2457	1·905
EASTERN VIEW COAL MEASURES	1747·0	1·468	middle M. diversus	2637	2·003
'F' SAND	2869·0	2·127	lower M. diversus	2867?	2·126
			LATE PALEOCENE		
			(upper L. balmei)	3159	2·280
			NEAR TOP CRETACEOUS		
			(T. longus)	3708	2·577

* BASED ON WELL VELOCITY SURVEY

LINE TNK4-87
S.P. 1-863
N.E.
DIRECTION OF SHOOTING

6000% MIGRATION

AMOCO PRODUCTION CO (INTL)
BASS BASIN
AUSTRALIA

GeoCenter
Houston, Texas

DATE PROCESSED APR. 1985
REEL NUMBER 9934
CONTRACT NUMBER 5640

FIELD RECORDING

RECORDED BY G.S.I PARTY 2931 M/V EUGENE MEDERMOTT II
DATE NOV 1984 SYSTEM TSR 001
FORMAT SEG GAIN 177

ENERGY SOURCE

TYPE AIRGUN 40/5 CU IN PRESSURE 1900 PSI
ARRAY 20 GUNS OVER 20M DEPTH 10M

STREAMER

LENGTH 3600M NO. TRACES 240
DEPTH 13M GROUP INTERVAL 15M
ARRAY GEOPH/TR OVER

PARAMETERS

RECORDING FOLD 60 S.P. SPACING 30M
SAMPLE INTERVAL 2MS RECORD LENGTH 6SECONDS
RECORDING FILTER HI-CUT 128HZ/24DB/OCT LO-CUT 8HZ@ 18DB

DIGITAL PROCESSING

SEQ	PROCESS	PARAMETERS
1	REFORMAT	SEY REEL # 4MS
2	SUM	ADJ. TR SUM
3	STATIC	AIRGUN + STREAMER DELAY
4	CDP SORT	ANGLE DEP. TR GATHER
5	EQUALIZATION	500MS AGC
6	DECONVOLUTION	120 BELOW
7	VELOCITY ANALYSIS	PER MIN CVS OVER 8 ADJ CDP
8	F-X FILTER	F-X MULTIPLE SUPPRESSION
9	VELOCITY ANALYSIS	PER MIN CVS OVER 8 ADJ CDP
10	NMO/MUTE	
11	CDP STACK	ANGLE STACK
12	FK MIGRATION	100% VELOCITY 2.25% MIN VELOCITY 1500 - 8SEC
13	FILTER	120 BELOW
14	EQUALIZATION	T - V SCRAMBLE 30 MS

DECON	OPERATOR LENGTH	PREDICTIVE	GATE	APPLICATION RECORD LENGTH	
6	240	4	300-4000 MT 2000-6000 FT	RECORD LENGTH	1 2 3 4 5 6 7

FILTER	CUT OFF	% OF POINT	CUT OFF	APPLICATION TIMES FOR SHOTPOINTS SPECIFIED	
	POINT		POINT	START AT SHOT	
13	5	5	55	80	1
	7	7	45	70 2900	2
	7	6	25	35 4000	3 4
	7	5	20	30 6000	5

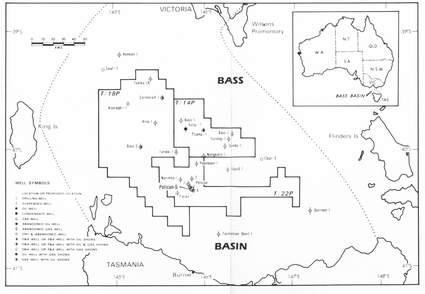
ALL TIMES IN MILLISECONDS ALL FREQUENCIES IN HERTZ
FILTERS INTERPOLATED LINEARLY BETWEEN APPLICATION TIMES
APPLICATION TIMES INTERPOLATED LINEARLY BETWEEN SHOTPOINTS
*EXPANSION LENGTH GIVEN IS BOTTOM LENGTH AND GAP FOR TOTAL LENGTH

SAMPLE RATE 4MS DATUM CORRECTION 16MS

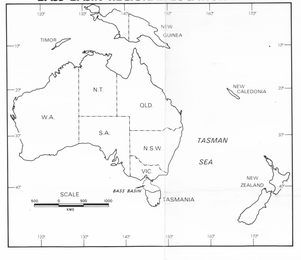
SCALES HORIZONTAL 42.67 TPI VERTICAL 3.75 IPS

RECORDING POLARITY PRESSURE INCREASE IS -VE NUMBER

PROCESSING POLARITY POSITIVE NO GIVES BLACK PEAK



BASS BASIN REGIONAL LOCATION MAP



CONFIDENTIAL
CLASS 1

Amoco Australia Petroleum Company

BASS BASIN, TASMANIA		
T/22P		
PELICAN 5 MONTAGE		
Report No.	Enclosure No. Enclosure 1	Compiled by Amoco Australia Petroleum Co.
Date OCTOBER, 1986	Scale	Drfts'm. L.M. / Dwg. No. PJ/257

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