

PERMIT T-15-P
TASMANIA OFFSHORE
ANNUAL REPORT
FEBRUARY 1983 TO FEBRUARY 1984
FOURTH QUARTER REPORT
NOVEMBER 19, 1983 TO FEBRUARY 19, 1984

Weaver Oil and Gas Corporation, Australia

CONTENT

Summary

Introduction

Squid	-	Seismic Interpretation
	-	Seismic Models
	-	Trace Analyses
	-	Seismic Time Maps
	-	Representative Seismic Line
	-	Objective Section
Chat	-	Seismic Interpretation
	-	Seismic Time Maps
	-	Representative Seismic Lines

List of Figures and Enclosures

Summary of Expenditures

SUMMARY

The Squid and Chat structures have been reinterpreted and remapped at various stratigraphic levels, thus providing a significantly better understanding of these areas.

It is expected that the Squid prospect will be drilled sometime during the third quarter of 1984.

INTRODUCTION

The Squid prospect area has been remapped at two reflector levels. These are the top Oligocene level and the Lower Malvacipolis diversus level. In addition, an isochron of the Oligocene lens has been constructed. Geologic models have been studied in addition to a complex trace analyses performed on the Oligocene lens.

The Chat prospect has been remapped at the top Eastern View Coal Measures and Lower M. diversus/Unconformity seismic reflector levels. Time maps and representative seismic lines are enclosed.

SQUID - SEISMIC INTERPRETATION

The Squid prospect was originally recognized on the old seismic lines ES-52 and B70A-9 as a lens-shape anomaly at the Oligocene seismic marker level. Apparently associated with this lens is a zone of destructive interference. The seismic data quality in the Squid area of the Bass basin is generally good, except within this band of interference.

The nearest well to the Squid prospect is the Dondu # 1 well located some 16 miles to the north. It is tied to the prospect through seismic line WB-81-05. The Pelican # 1 well is located some 28 miles to the southwest and is also tied to the prospect through seismic line WB-81-03. A synthetic seismogram has been constructed

for the Pelican # 1 well. Seismic markers are identified as well map levels (Figure 3). Other wells to the north, west and southwest are located at comparable distances but have not been tied with new Weaver lines to this prospect.

The Squid prospect is defined by two Weaver seismic lines acquired in 1982, in addition to eight Weaver seismic lines acquired in 1981. Fourteen lines acquired throughout the late 60's and early 70's by the previous permit holders have also been used in the interpretation.

WEAVER'S 1981 SEISMIC LINES

WB-81-01
WB-81-02
WB-81-03 (tie to Pelican # 1 well)
WB-81-05
WB-81-06
WB-81-07
WB-81-08
WB-81-09

WEAVER'S 1982 SEISMIC LINES

WB-82-23
WB-82-24

SEISMIC MODELS

The Oligocene section at Squid, as seen seismically, is dominated by a lenticular anomaly which thickens from a feather edge along its boundary to a maximum of 0.110 seconds along its axis. This is equivalent to an increase in thickness of plus or minus 500 feet or approximately 153 meters. As mapped, this lens or isochron anomaly, has an area of 27,500 acres or approximately 11,100 hectares. Its thickest area overlies the underlying Lower Malvacipolis diversus structure.

The top of the lens is at a depth of 4725 feet or 1440 meters subsea. Approximately 30 feet or 10 meters of structural closure is developed on its uppermost surface. Its area of closure is 1750 acres or 710 hectares.

The cross-sectional geometry of the lens resembles a channel cut and fill, with the lower surface rough and irregular and the upper surface smooth and slightly arched. Continuous or near-continuous reflectors are recognized within the lens. These are also arched and terminate against the rising lower boundary surface of the lens.

The boundaries of this lens anomaly correlates to the Mid-Oligocene section in the surrounding wells where minor, thin bedded sands of regional extent are recognized. It is theorized that this concave lens represents a local thickening of these sands over a deeper structurally active area. This thickened sand/shale sequence is considered a stratigraphic/structural objective for drilling.

Check-shot velocity survey data from nearby wells have been collected and geologic models have been constructed using major interval-velocity units with the inclusion of a lens at the Mid-Oligocene level. Two cases have been considered: one with an anomalously low and the other with an anomalously high interval velocity. Both cases were input to a computer program for normal incident ray tracing and synthetic seismogram modeling. Reflection coefficients computed along the ray paths were convolved with a 30HZ Ricker Wavelet.

The resulting synthetic seismic sections were then compared with the seismic lines crossing the Squid prospect. The low velocity model (Figure 4) showed the best fit to the "actual" data, and it

was therefore concluded that the lens is apparently filled with lower, than regional, velocity material. In fact, the very low velocity of 6000 fps suggests that the lens could be filled with hydrocarbons, probably gas.

The high velocity model, 10.000 fps (Figure 5) displays a reverse relationship than that observed on the "actual" data.

One of the effects of this low velocity lens, on the deeper reflectors, is to delay them in time by as much as .030 seconds. As a result, the faulted anticlinal structure mapped under the Oligocene lens probably has more vertical relief than has been measured in time on the uncorrected seismic data.

TRACE ANALYSIS

A complex trace analysis has been performed by Seiscom Delta on seismic line WB-81-01 in order to provide a better understanding of the Oligocene lens as well as its effect on the underlying reflectors.

The Reflection Strength display (Figure 6) of seismic line WB-81-01 shows that the Oligocene lens located between shot points plus or minus 280 and 520 is characterized by an increase in reflection strength at its upper surface which is slightly below 1.200 seconds, two-way time. Its lower surface, around 1.400 seconds, also displays an increase in reflection strength. Lateral fading is also observed.

The Weighted Frequency display (Figure 7) emphasized the stronger reflection events and smooths out irregularities caused by noise. Reflection continuity is observed between 1.800 and 2.000 seconds.

The Apparent Polarity display (Figure 8) distinguishes a lower acoustic impedance area within the lens as well as improved continuity of the reflection between 1.800 and 2.000 seconds.

The Instantaneous Phase display (Figure 9) is effective in showing discontinuities and angularities as it is independent of reflection strength.

The Instantaneous Velocity (Figure 10) as determined from signal amplitude, emphasizes the boundaries of the Oligocene lens, and indicate a reduction in velocity from 8500 fps to 6500 fps within the lens.

SEISMIC TIME MAPS

The present seismic interpretation, or reinterpretation, of the Squid prospect area was carried out by Exploration Associates International, Inc. which are consultants to Weaver Oil and Gas Corporation, Australia on the Bass basin project.

Enclosure # 1 is a time structure map constructed at the top of the Oligocene reflector level. The scale is 1:50,000 and the contour interval is .005 seconds. This domal feature has an area of closure of 1750 acres or approximately 710 hectares. Its vertical relief is 30 feet or approximately 10 meters. The stratigraphic closure within the Oligocene is substantially larger than the structural closure.

Enclosure # 2 is an isochron map of the seismically defined Oligocene lens. The scale is 1:50,000 and the contour interval is .010 seconds. This feature covers an area of 27,500 acres or approximately 11,100 hectares and has a maximum thickness of .110 seconds.

Enclosure # 3 is a time structure map at the Lower Malvacipolis diversus unconformity reflector level. The scale is 1:50,000 and the contour interval is .010 seconds. At this level, the main Squid prospect is a fault bounded domal feature with an area of 7100 acres or approximately 2875 hectares. It has a vertical relief of 300 feet or approximately 92 meters.

REPRESENTATIVE SEISMIC LINE

The proposed Squid # 1 well will be located on seismic line WB-82-24 at shot point # 280 (Enclosure 4 and Figure 2). This seismic line was recorded by Weaver Oil and Gas Corporation, Australia and processed in May 1982, as part of its second generation of prospect definition seismic data acquisition. This northeast-southwest seismic line shows the prospective fault bounded domal feature at the Lower M. diversus seismic horizon level, the Lower M. diversus unconformity, the convergence between the depressed Eastern View Coal Measures seismic horizon and the underlying Lower M. diversus seismic horizon, as well as the base of the Oligocene lens, its top and finally the top Oligocene reflector horizon. The reflector and map levels are identified.

OBJECTIVE SECTION

The primary objective section of the proposed Squid # 1 well consists of the sand, shale and coal sequence known as the Eastern View Coal Measures of Eocene, Paleocene and Upper Cretaceous age. The top of this objective section is predicted to be at a depth of 6225 feet, or approximately 1898 meters below mean low sea level at the proposed well location.

The secondary objective section of this proposed well consists of the seismically defined intra-Oligocene lens which is assumed to contain an interbedded porous and permeable sand/shale sequence. The top and base of this secondary objective section are predicted to be at depths of 4725 feet and 5150 feet or approximately 1440 meters and 1570 meters.

The Tertiary objective section of the proposed Squid # 1 well consists of the basal Oligocene sand/shale sequence known to be present in this part of the Bass basin. The top and base of this section are expected at depths of 5420 feet and 5770 feet, or approximately 1652 meters and 1759 meters below mean low seal level.

The anticipated stratigraphic section is shown on Figure # 1.

CHAT - SEISMIC INTERPRETATION

The Chat prospect was originally recognized on the old seismic lines HB75A-218A, HB75A-219A and HB75A-229A as a major tilted fault block.

The nearest well is the Dondu # 1 well which is located some 28 miles to the northwest. It is tied to this prospect through seismic line WB-81-01 and WB-81-05. The Pelican # 1 well is located some 46 miles to the southwest and it is also tied to this prospect through seismic lines WB-81-01 and WB-81-03. A synthetic seismogram has been constructed for the Pelican # 1 well. Other wells are located at comparable distances but have not been tied with new Weaver lines to this prospect.

The Chat prospect is defined by four Weaver seismic lines acquired in February 1982 and processed in May 1982. In addition, four Weaver seismic lines were acquired and processed in 1981. Seventeen seismic lines acquired throughout the late 60's and early 70's by the previous permit holders have also been used in this interpretation.

WEAVER'S 1981 SEISMIC LINES

WB-81-01
WB-81-02
WB-81-04
WB-81-10

WEAVER'S 1982 SEISMIC LINES

WB-82-25
WB-82-26
WB-82-27
WB-82-28

SEISMIC TIME MAPS

The Chat prospect area has been reinterpreted and remapped at two seismic horizon levels.

Enclosure # 1 is a seismic time structure map at the top of the Eastern View Coal Measures reflector level. The scale is 1:50,000 and the contour interval is .020 seconds. This tilted fault block has an area of closure of 5500 ares or approximately 2220 hectares as defined by the 1.150 seconds contour line. Its vertical relief is .050 seconds.

Enclosure # 2 is a seismic time structure map at the Lower Malvacipolis diversus reflector level. The scale is 1:50,000 and the contour interval is .020 seconds. This horst block has an area of closure of some 5600 ares or approximately 2260 hectares as defined by the 1.390 seconds contour. Its vertical relief is .070 seconds.

REPRESENTATIVE SEISMIC LINES

Seismic lines WB-82-25/27 were recorded in 1982 by Weaver as part of its second generation of prospect definition seismic data acquisition program.

Seismic line WB-82-27 (Enclosure ³6) is a northeast-southwest dip line which shows a prospective fault block at the Lower M. diversus seismic horizon level. It is underlain by a series of tilted fault blocks at what is believed to be the Upper Cretaceous level. Above the Lower M. diversus reflector level is a faulted unconformity surface followed upward by the equally faulted top Eastern View Coal Measures reflector horizon. The overlying Oligocene seismic horizon is also faulted while the uppermost Miocene seismic horizon only shows drape over this tilted fault block.

The same stratigraphic horizon are shown on the northwest-southeast trending dip line WB-82-25 (Enclosure ⁴ 7).

LIST OF FIGURES AND ENCLOSURES

FIGURE
SQUID

- 1) Anticipated Stratigraphic Section
- 2) Well Location Map
- 3) Pelican # 1 Well, Synthetic Seismogram
- 4) Low Velocity Geologic Model
- 5) High Velocity Geologic Model
- 6) Reflection Strength
- 7) Weighted Frequency
- 8) Apparent Polarity
- 9) Instantaneous Phase
- 10) Instantaneous Velocity

ENCLOSURES
SQUID

- 1) Seismic Time Structure Map
Top Oligocene Lens
- 2) Isochron Map: Oligocene Lens
- 3) Seismic Time Structure Map:
Lower M. diversus/Unconformity
- 4) Seismic Line WB-82-24

ENCLOSURES
CHAT

- 1) Seismic Time Map
Top Eastern View Coal Measures
- 2) Seismic Time Map
Lower M. diversus
- 3) Seismic Line WB-82-27
- 4) Seismic Line Wb-82-25

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

SUMMARY OF EXPENDITURES

T/15P

February 19, 1983 to February 19, 1984

Staff (including geologists, geophysicists, draftsmen and administration)	\$ 67,230.00
Consultants (geologists, geophysicists)	12,077.00
Office Expenses	15,200.00
	<hr/>
TOTAL	\$ 94,507.00

An extension has been granted to Weaver Oil and Gas Corporation, Australia in regard the drilling of a well during this work program year.

ANTICIPATED STRATIGRAPHIC SECTION

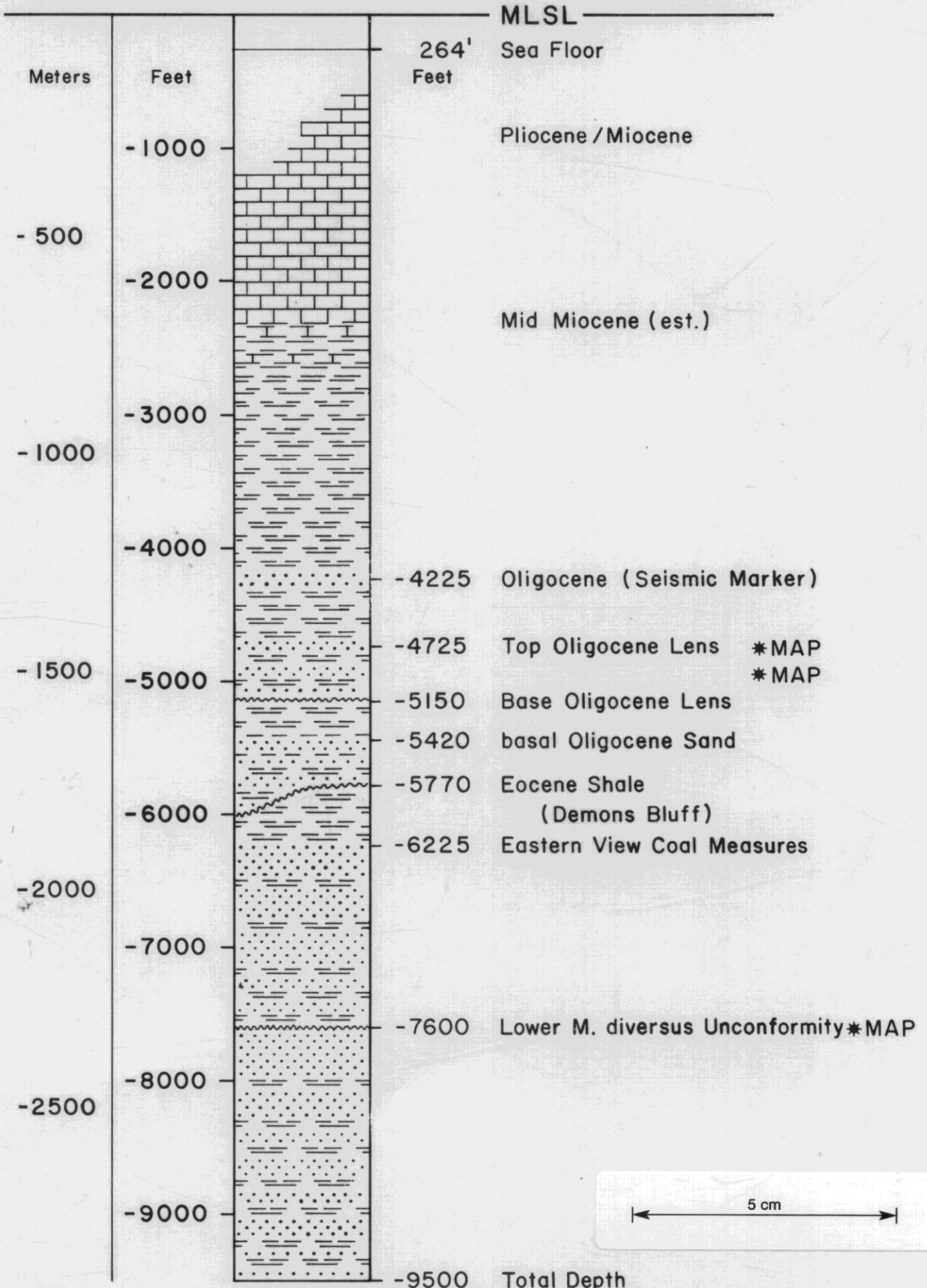


Figure 1

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

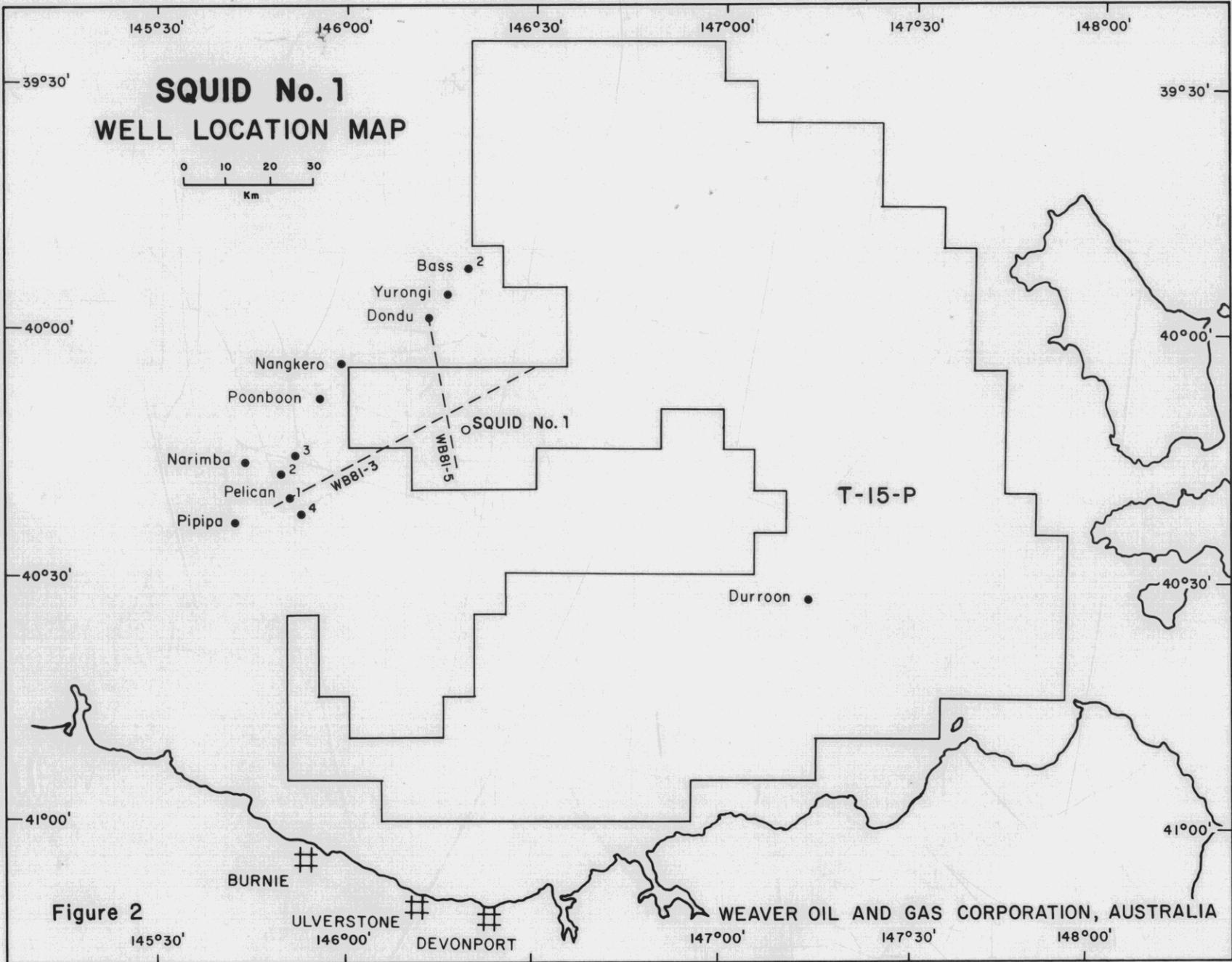
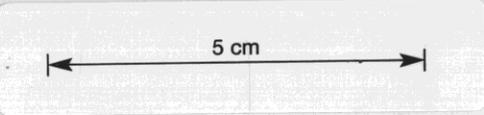


Figure 2

209015

SYNTHETIC SEISMOGRAM

GTS CORP.

HOUSTON OFFICE 3724 DACOMA 77018

ESSO EXPL & PROD AUSTRALIA INC PELICAN #1 WILDCAT AUSTRALIA TASMANIA

W

LOG DATUM = 100

SEISMIC DATUM = 0

COMMENTS _____

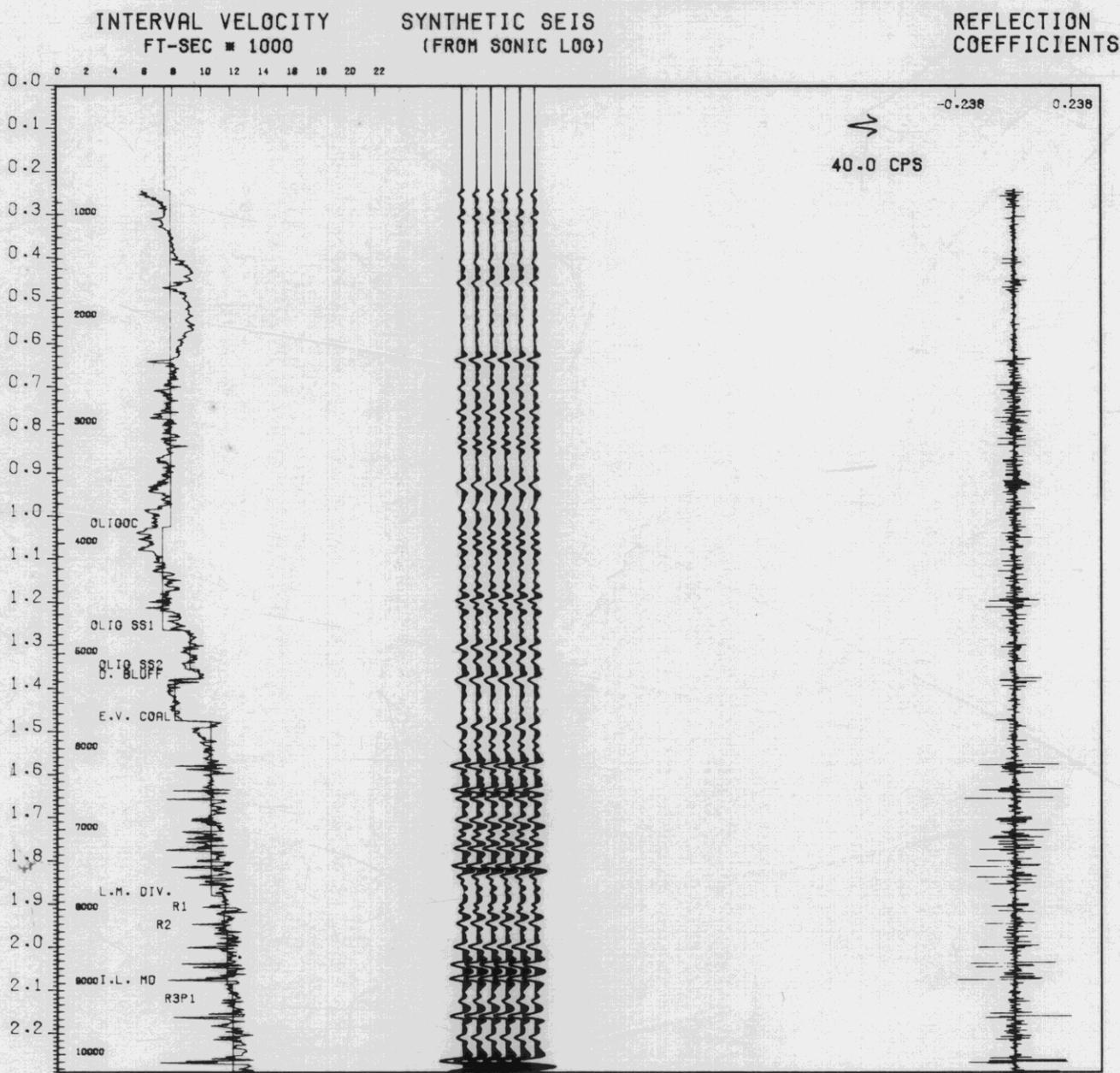
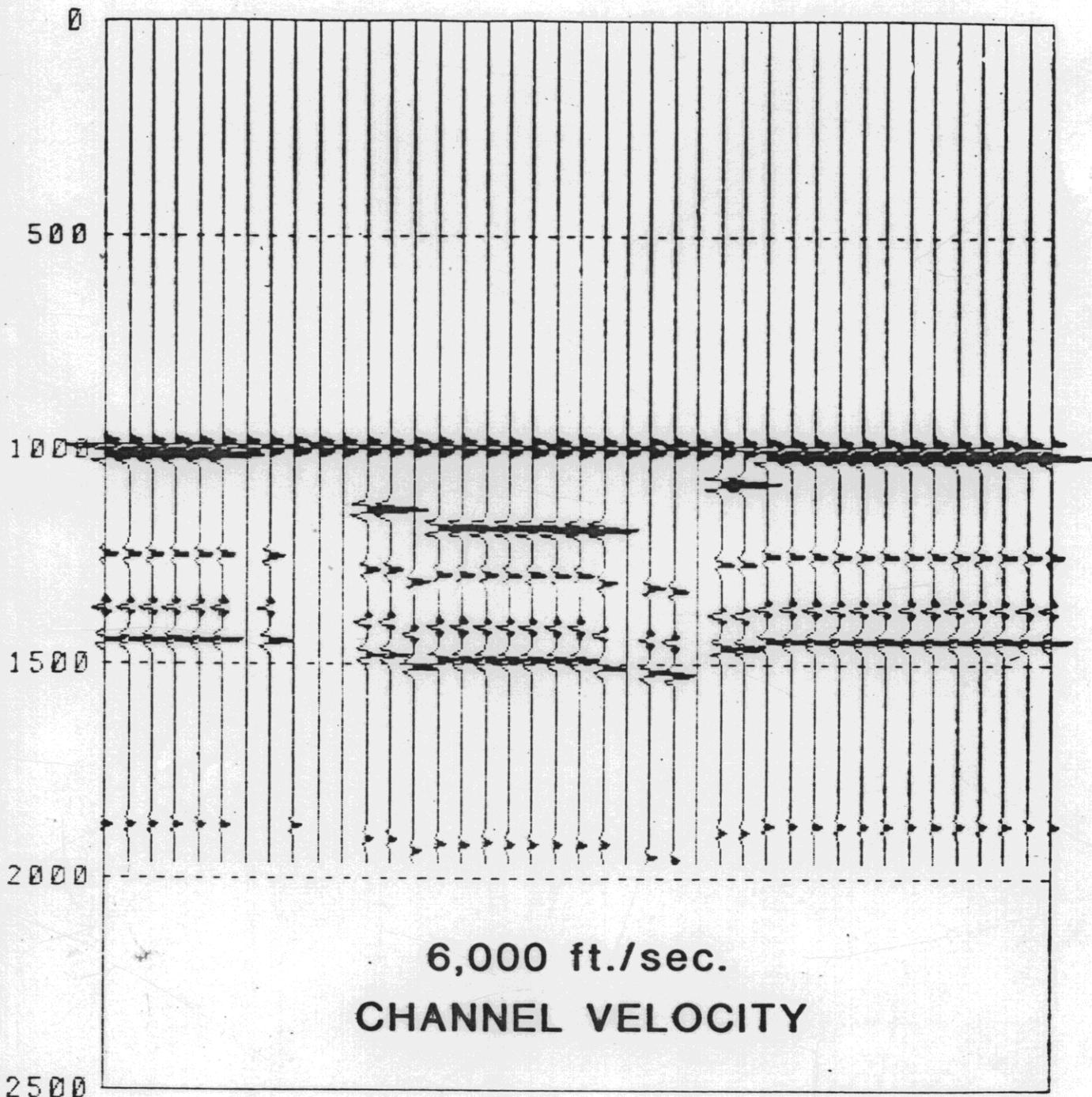


Figure 3

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

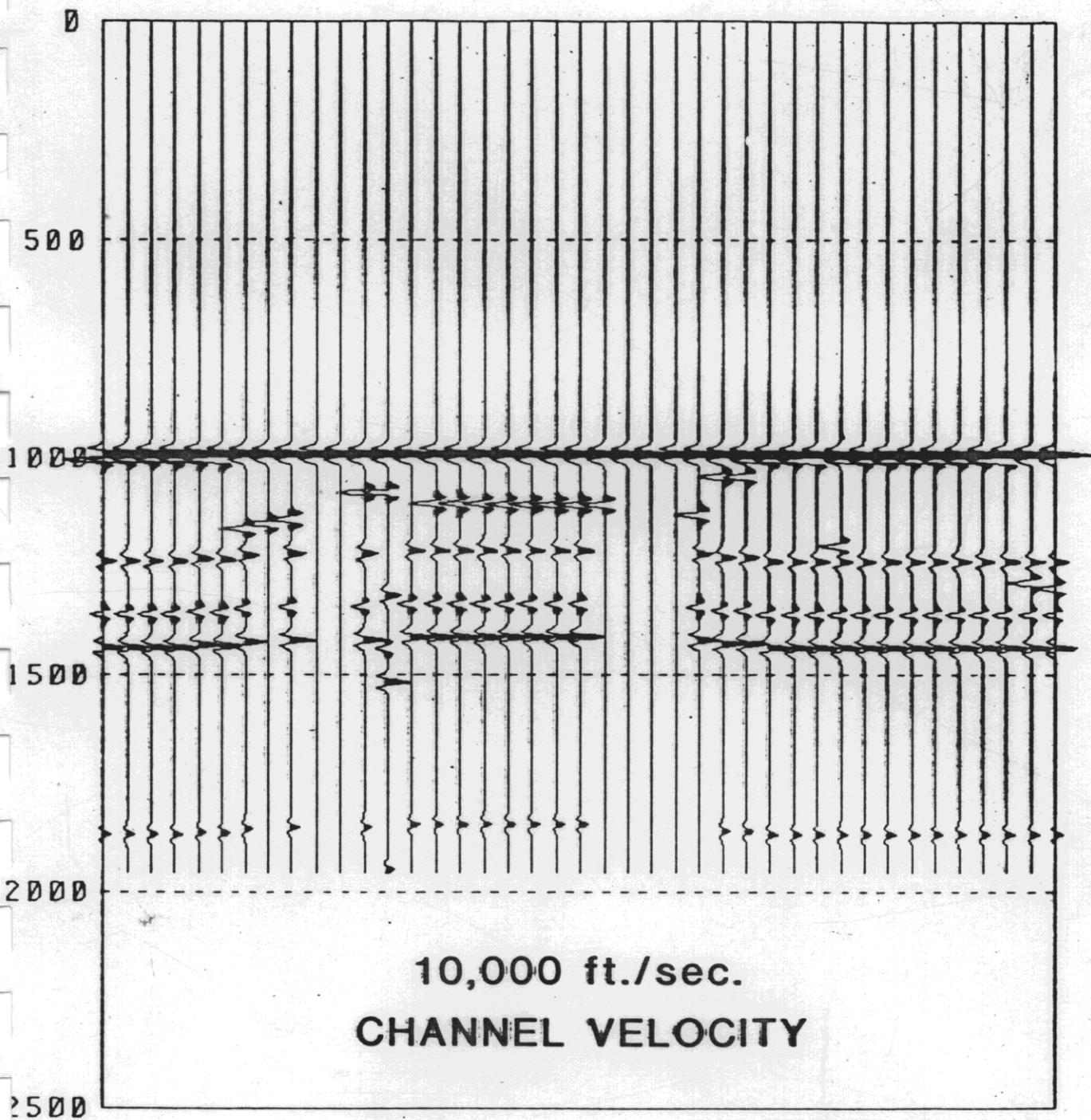


FILE-SQUID FILTER-RICKER 30 0

5 cm

Figure 4

WEAVER OIL AND GAS CORPORATION, AUSTRALIA



FILE-SQUID FILTER-RICKER 30 0

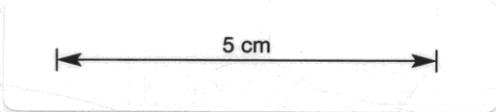


Figure 5

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

209019

Seiscom Delta
Area: BASS BASIN T-15-P
Line: WA-81-1
Display: REFLECTION STRENGTH
Client: WEAVER OIL & GAS CORP.

SQUID PROSPECT

196 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600

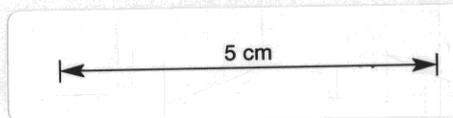
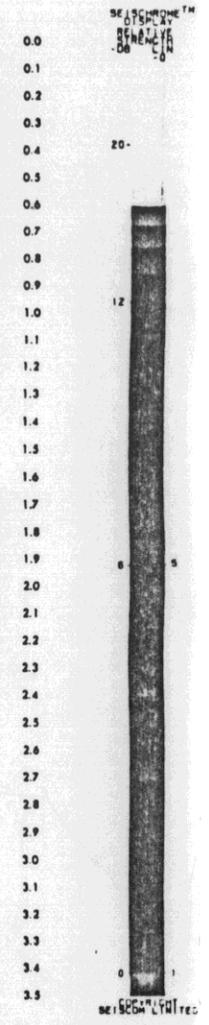
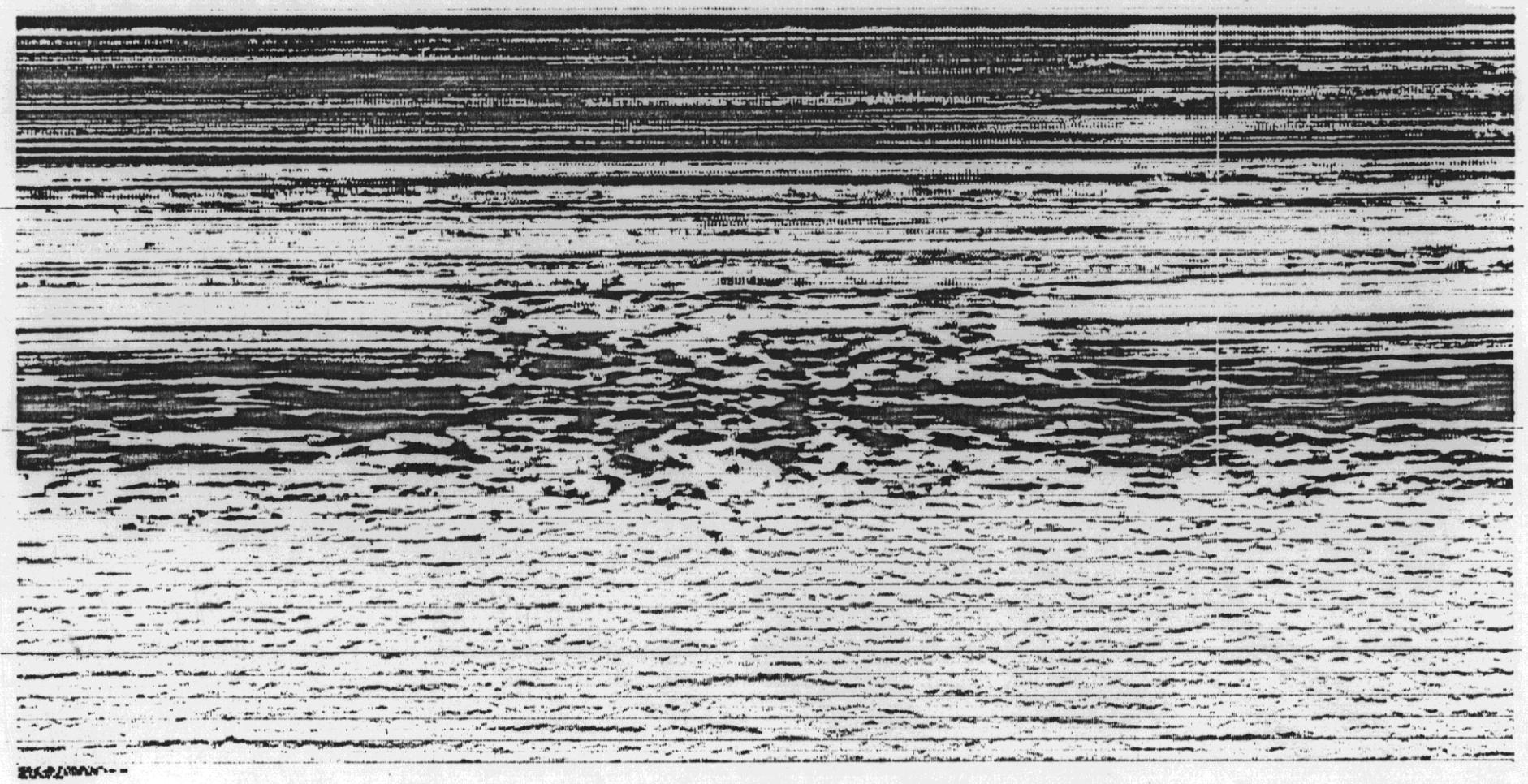


Figure 6

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

209020

SQUID PROSPECT

Seiscom Delta INC.
Area: BASS BASIN T-15-P
Line: WA-81-1
Display: WEIGHTED FREQUENCY
Client: WEAVER OIL & GAS CORP.

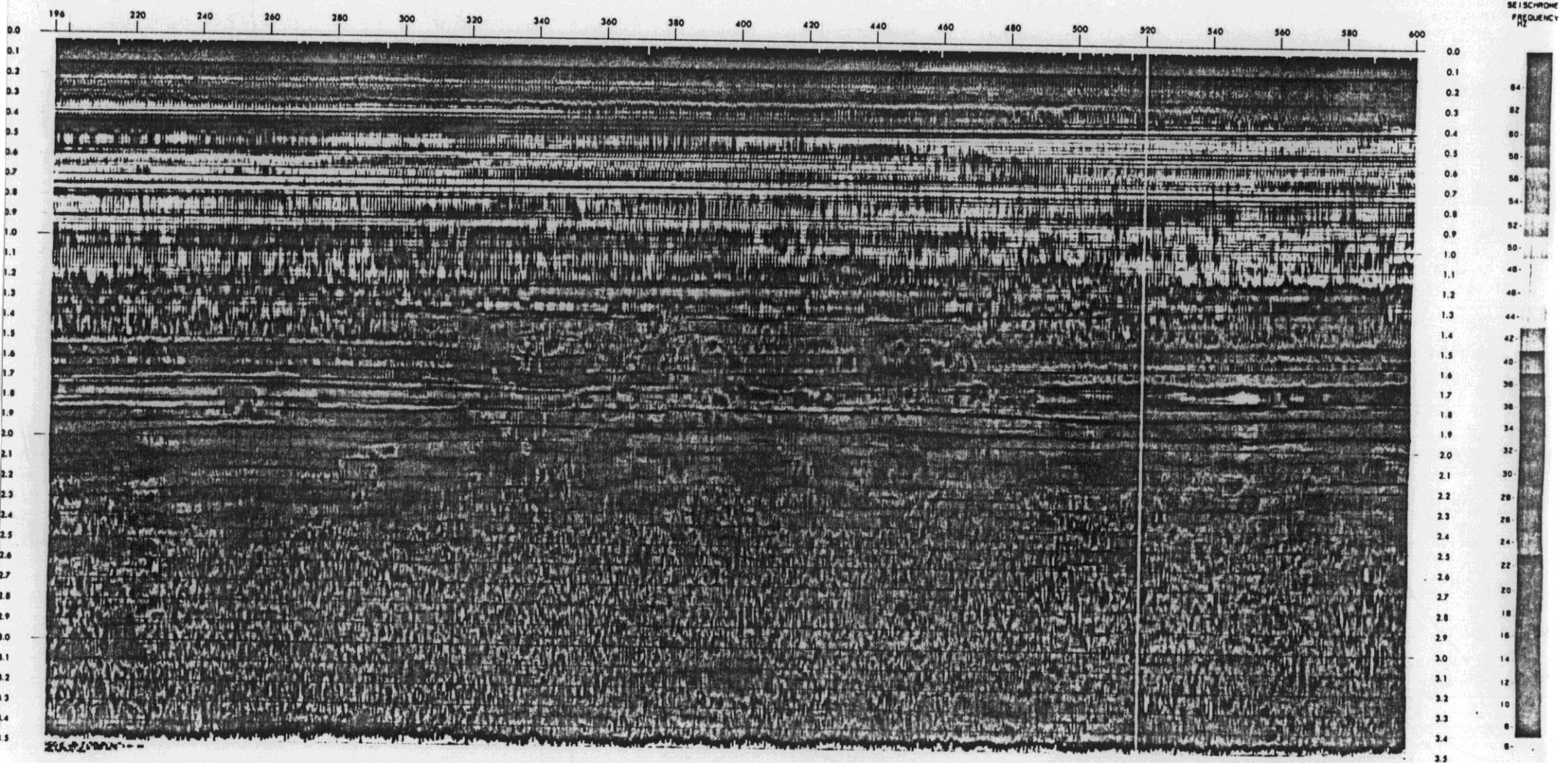


Figure 7

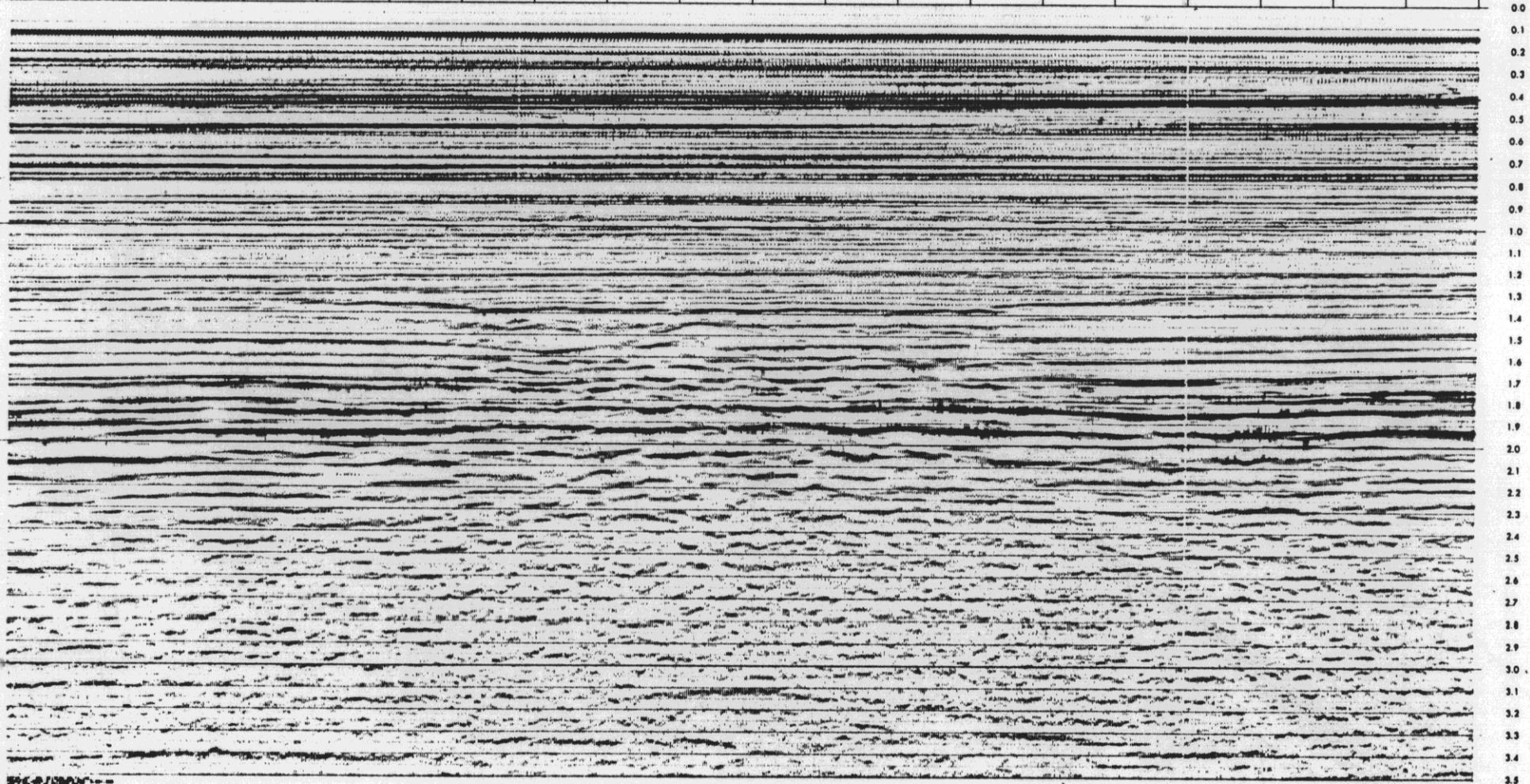
WEAVER OIL AND GAS CORPORATION, AUSTRALIA

209021

Seiscom Delta INC.
Area: BASS BASIN T-15-P
Line: WA-81-1
Display: POLARITY
Client: WEAVER OIL & GAS CORP.

SQUID PROSPECT

196 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600



SEISMOCHROME
DISPLAY
ASCARTTY

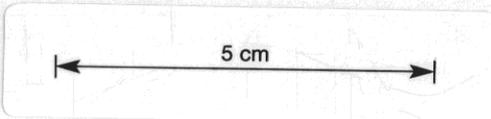


Figure 8

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

SQUID PROSPECT

209022

Seiscom Delta
Area: BASS BASIN T-15-9
Line: WA 81-1
Display: PHASE
Client: WEAVER OIL & GAS CORP.

SEISCHROM
DISPLAY
PHASE
DEGREES

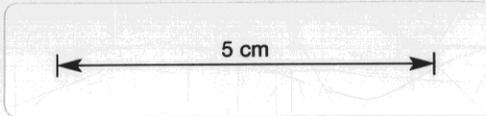
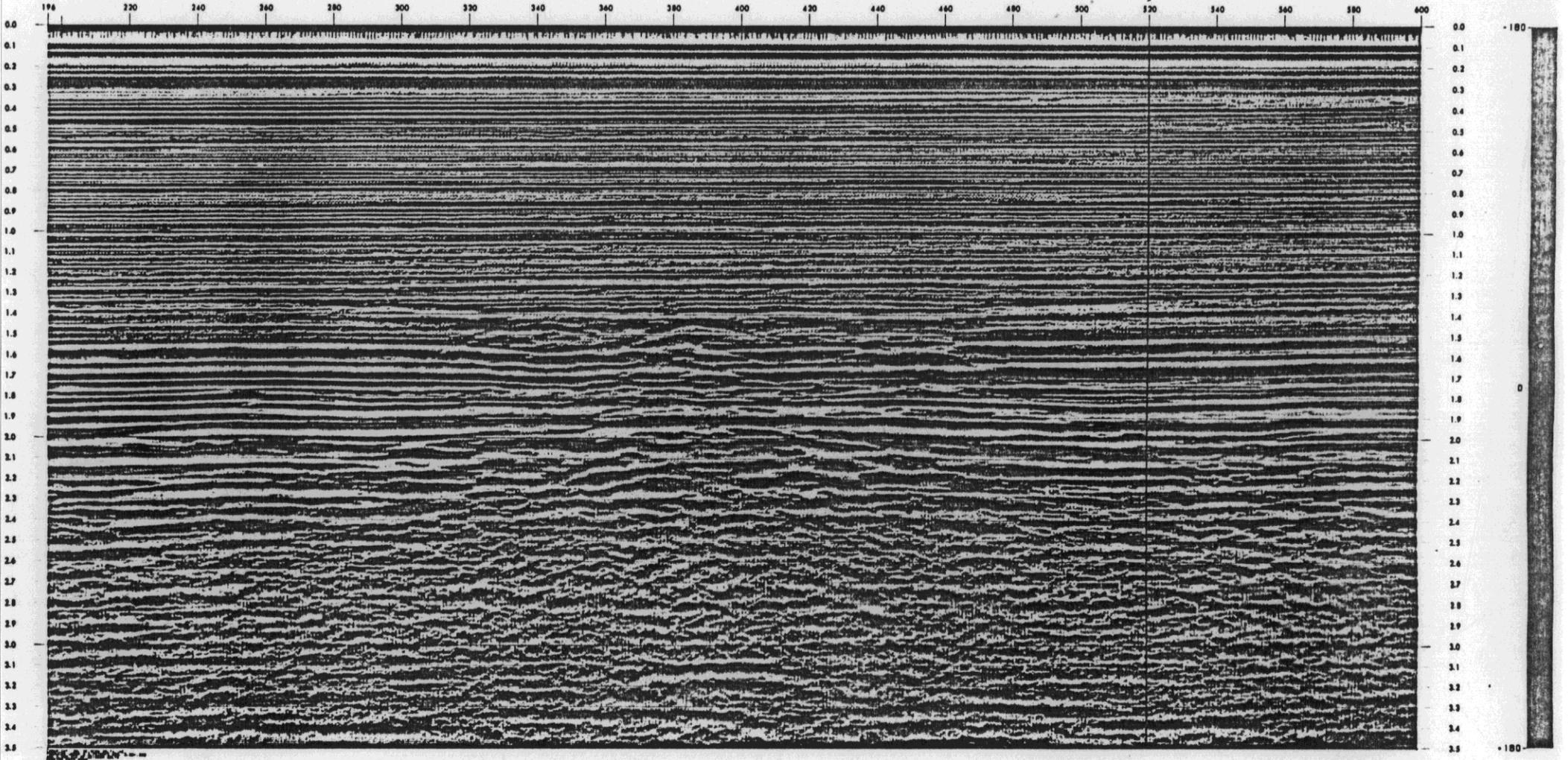


Figure 9

WEAVER OIL AND GAS CORPORATION, AUSTRALIA

209023

Seiscom Delta
Area: BASS BASIN T-15-P
Line: WA-81-1
Display: INSTANTANEOUS VELOCITY
Client: WEAVER OIL & GAS CORP.

SQUID PROSPECT

SEISCHROME
DISPLAY
VELOCITY
FT. PER SE

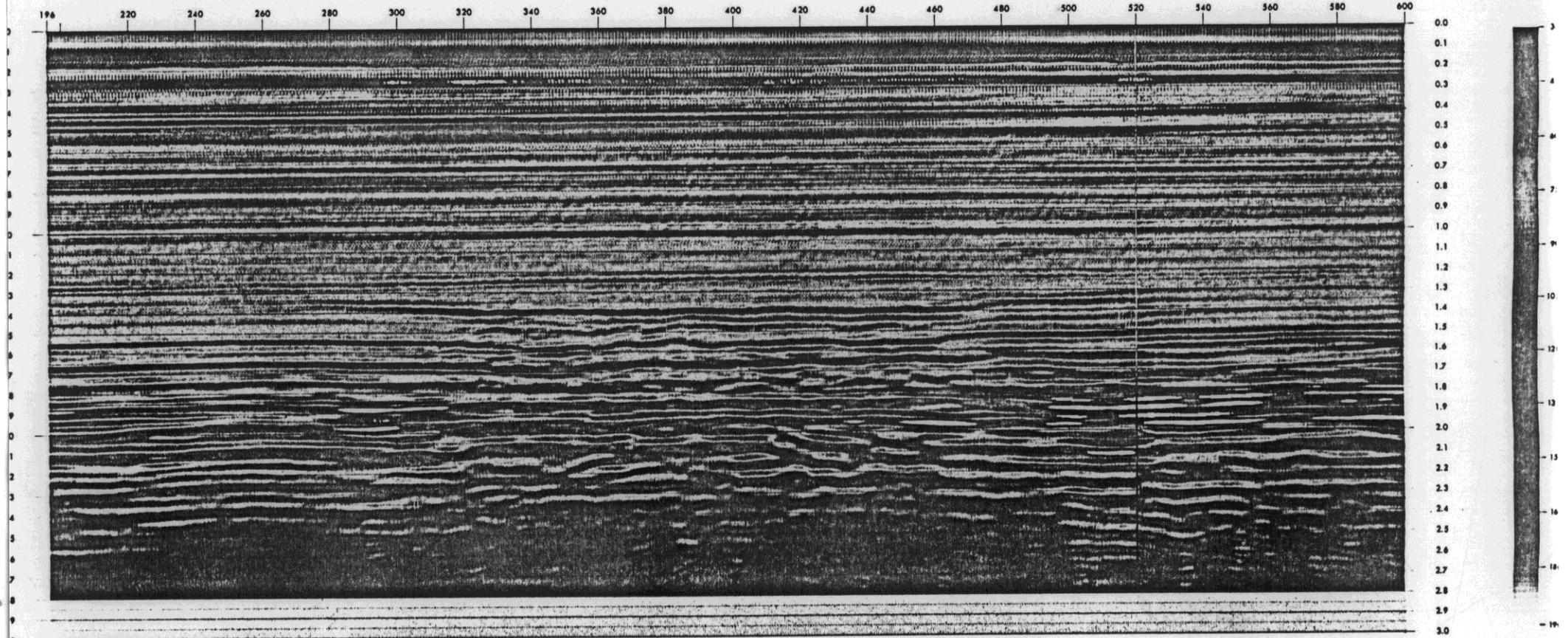
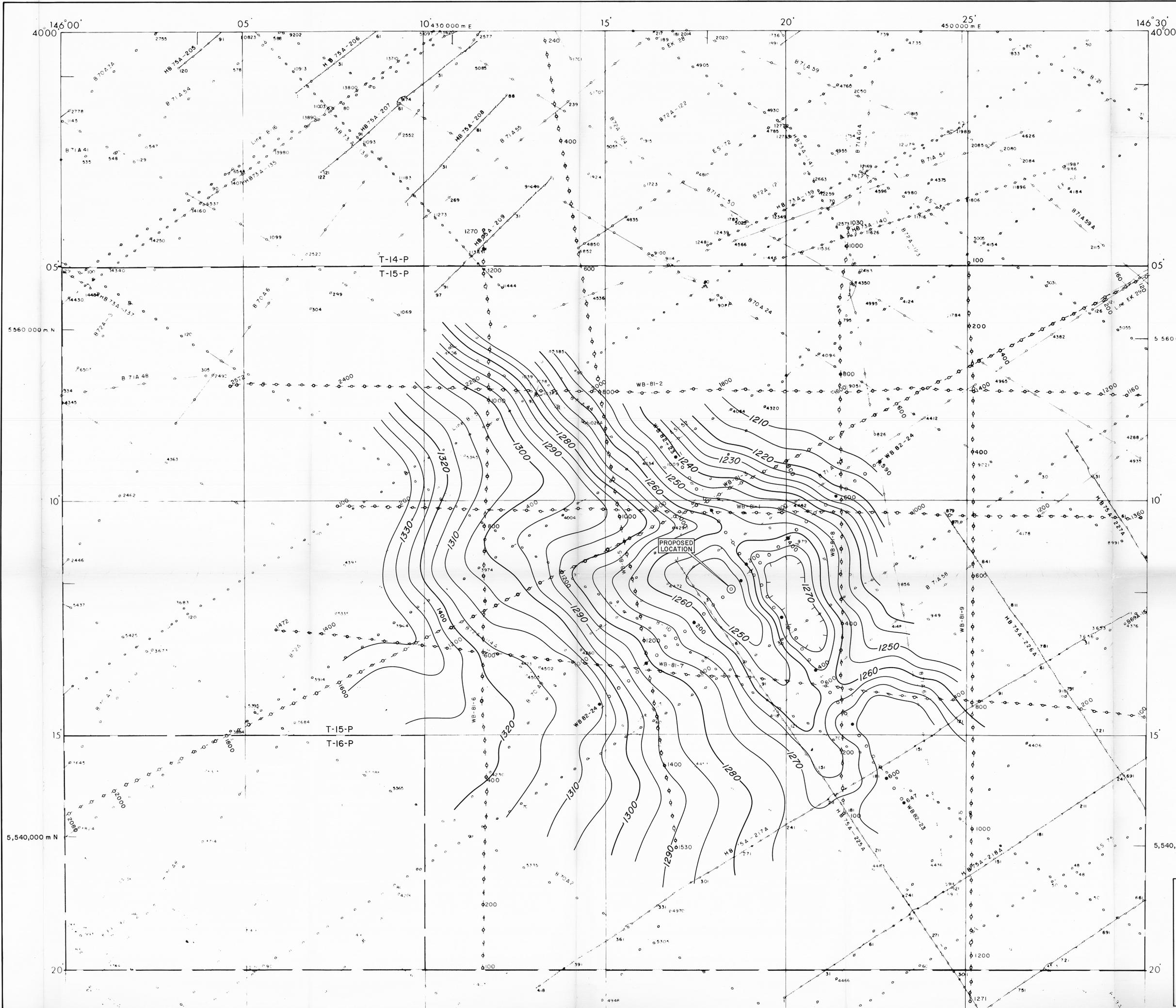


Figure 10

WEAVER OIL AND GAS CORPORATION, AUSTRALIA



T15P
Part 7



Enclosure 1

SCALE:
1:50,000



INTERPRETATION BY
EXPLORATION ASSOCIATES
INTERNATIONAL INC.

209024

**WEAVER OIL AND GAS CORPORATION,
AUSTRALIA**

SQUID PROSPECT

BASS BASIN

T-15-P

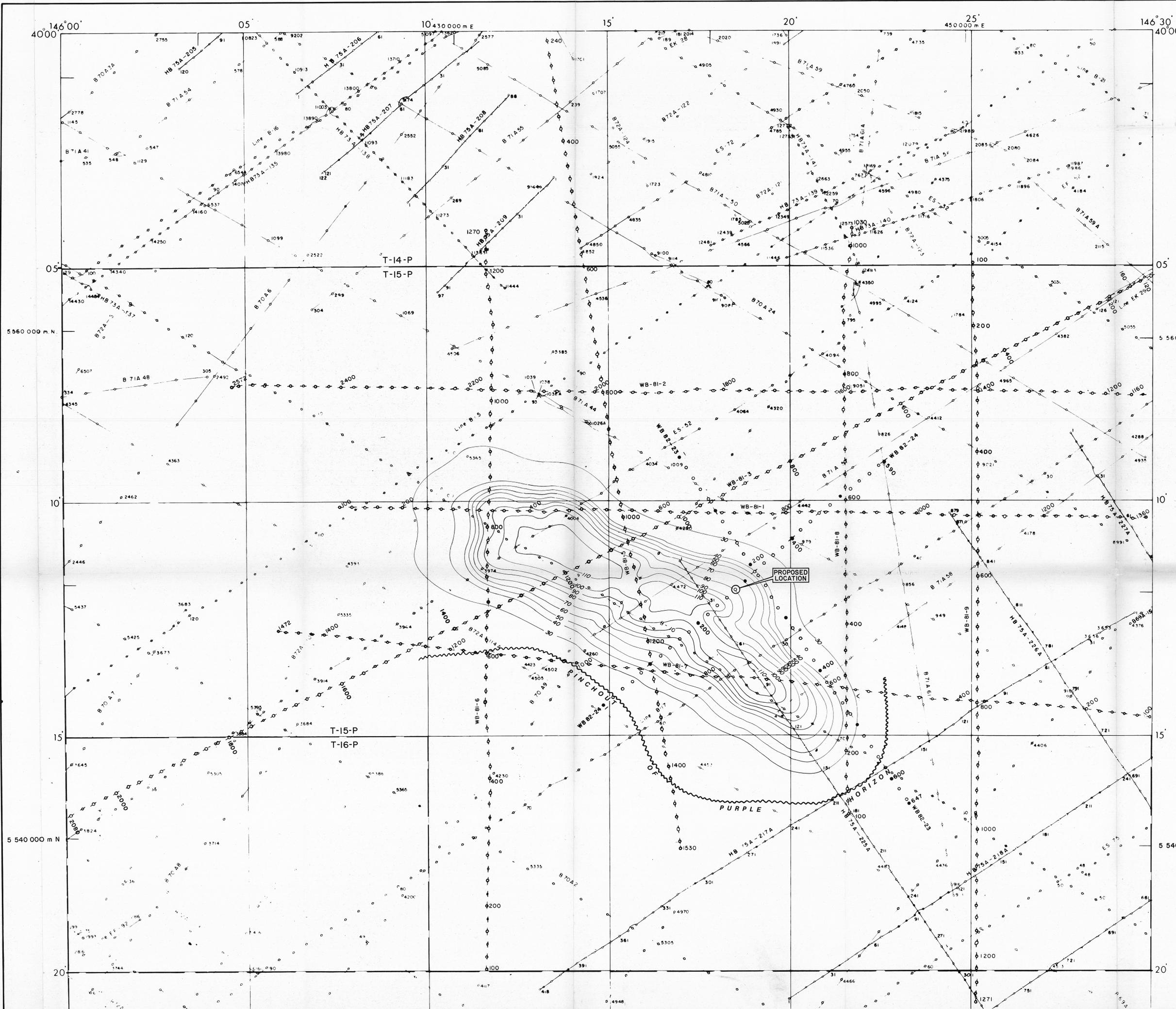
STRUCTURE MAP

Top Oligocene Lens

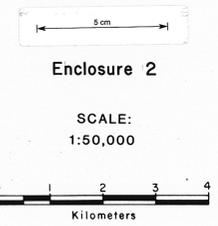
C.I.: 5 msec
Datum:
Date:

Interpretation by: M.C.N.
Drafted by: R.D.M.
Revised:

CR-1918 VOL 3



T/15P
Part 7



Enclosure 2

SCALE:
1:50,000

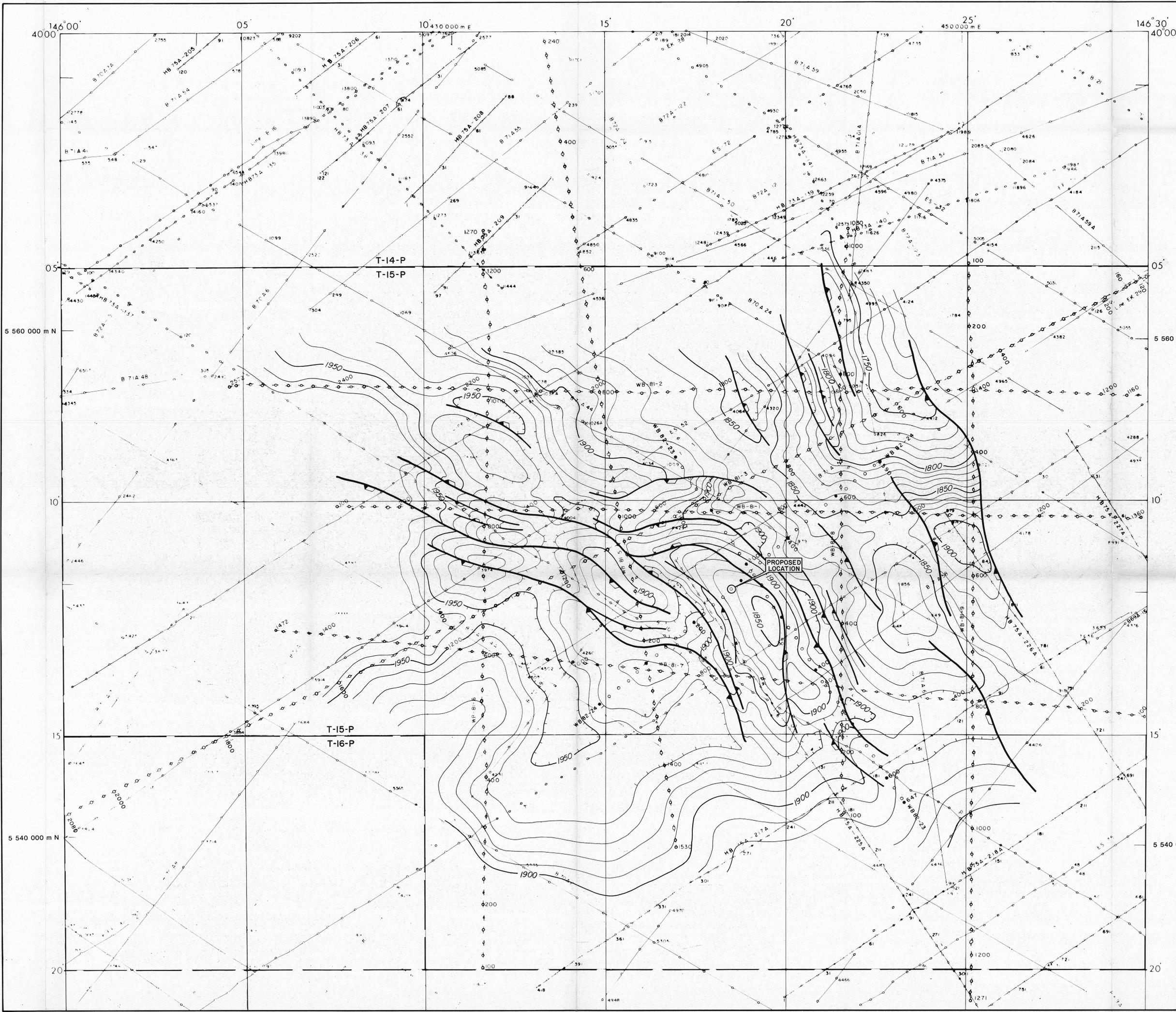
INTERPRETATION BY
EXPLORATION ASSOCIATES
INTERNATIONAL INC.

200025
**WEAVER OIL AND GAS CORPORATION,
AUSTRALIA**
**BASS BASIN
T-15-P
Squid Prospect
ISOCHRON MAP
Oligocene Lens**

C: 10msec
Datum:
Date:

Interpretation by M.C.N.
Drafter by A.Z.
Revised:

OR 1948 vol 2
SQUID 2.

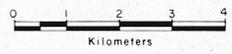


T/15 P
Part 7



Enclosure 3

SCALE:
1:50,000



INTERPRETATION BY
EXPLORATION ASSOCIATES
INTERNATIONAL INC. 200010

**WEAVER OIL AND GAS CORPORATION,
AUSTRALIA**

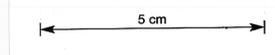
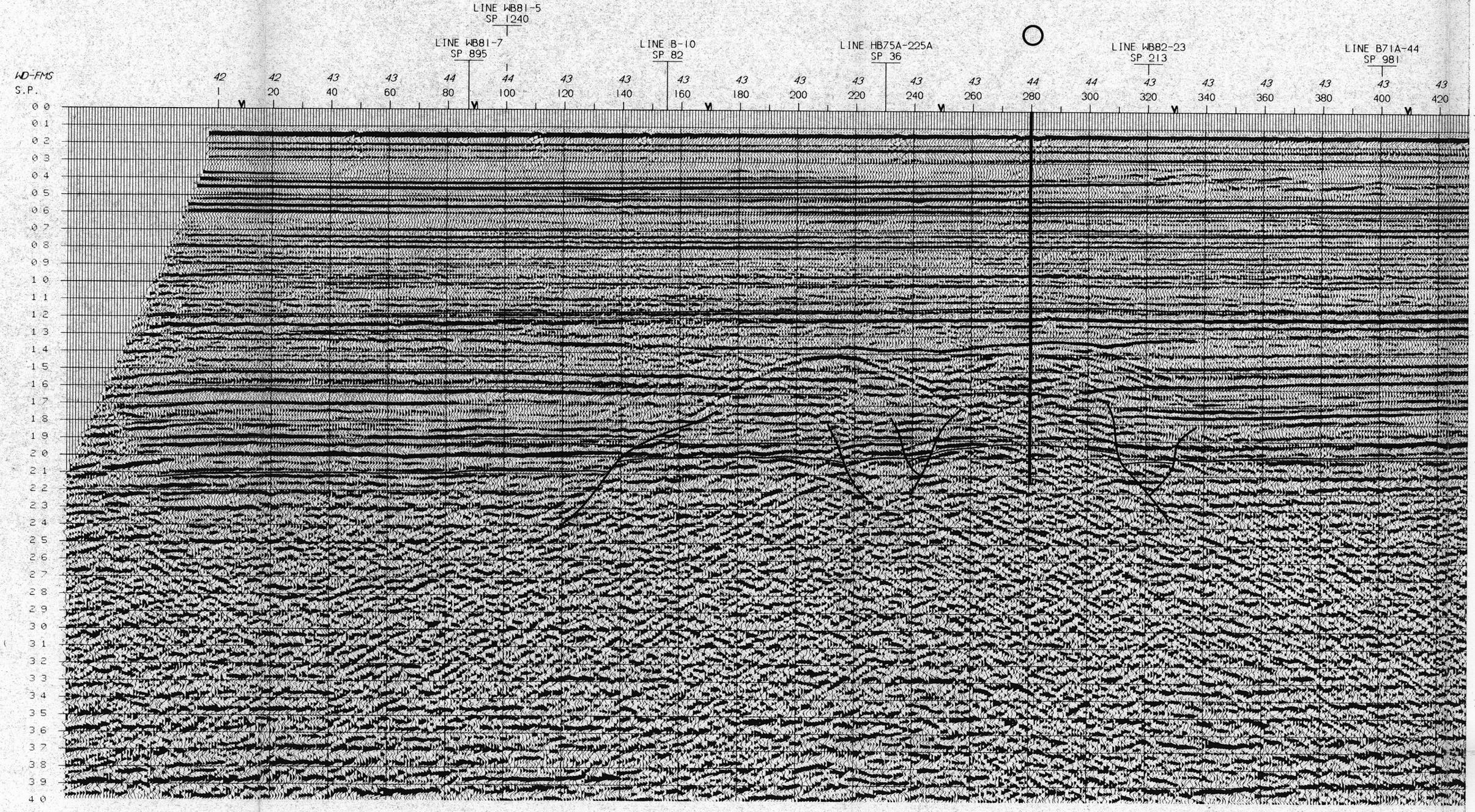
**BASS BASIN
T-15-P
Squid Prospect
STRUCTURE MAP
Lower M. Diversus
Unconformity**

C.I. 10 msec Interpretation by: M.C.N.
Datum: Drafted by: G.D.E.
Date: Revised: 02-19-80

THIS PART

SP 9		SP 89		SP 169		SP 249		SP 329		SP 409	
TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS
0	1490	0	1490	0	1490	0	1490	0	1490	0	1490
100	1490	100	1490	100	1490	100	1490	100	1490	100	1490
800	2020	750	2100	800	2100	950	2100	750	2020	100	1490
1800	2680	1350	2340	1350	2500	1900	2740	1750	2580	900	2100
2800	3860	1900	2740	1900	2820	2850	3860	2600	3380	1900	2820
4000	5140	2900	3860	2800	3860	4000	5140	4000	5140	2700	4020
		4000	5140	4000	5140					4000	5140

**SQUID No.1
T.D. - 9500'**



LINE WB82-24
S.P. 1-590



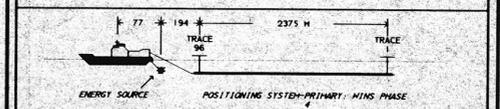
209027

AGC-STACK

**WEAVER OIL & GAS
BASS BASIN
PERMIT T-15-P**

	DATE PROCESSED	MAY 1982
	REEL NUMBER	4789
	CONTRACT NUMBER	4805

FIELD RECORDING			
RECORDED BY	WESTERN GEOPHYSICAL		
DATE	FEBRUARY 1982	SYSTEM	DFSV
FORMAT	SEG B	GAIN	36 DB
ENERGY SOURCE			
TYPE	AIR GUNS	760 CU. INS. 4500 PSI.	
ARRAY	10 GUNS	DEPTH	6 METERS
STREAMER			
LENGTH	2375 METERS	NO. TRACES	96
DEPTH	40 FT	GROUP INTERVAL	25 METERS
ARRAY	20	GEOPH/TR OVER	25 METERS
PARAMETERS			
RECORDING FOLD	4800%	S.P. SPACING	25 METERS
SAMPLE INTERVAL	2 MS	RECORD LENGTH	5 SECONDS
RECORDING FILTER	OUT - 128HZ @ 70DB/OCTAVE		



- TOP OLIG. (JAN JUC)
- TOP OLIGOCENE LENS
- BASE LENS
- TOP DEMONS BLUFF
- TOP EVCM

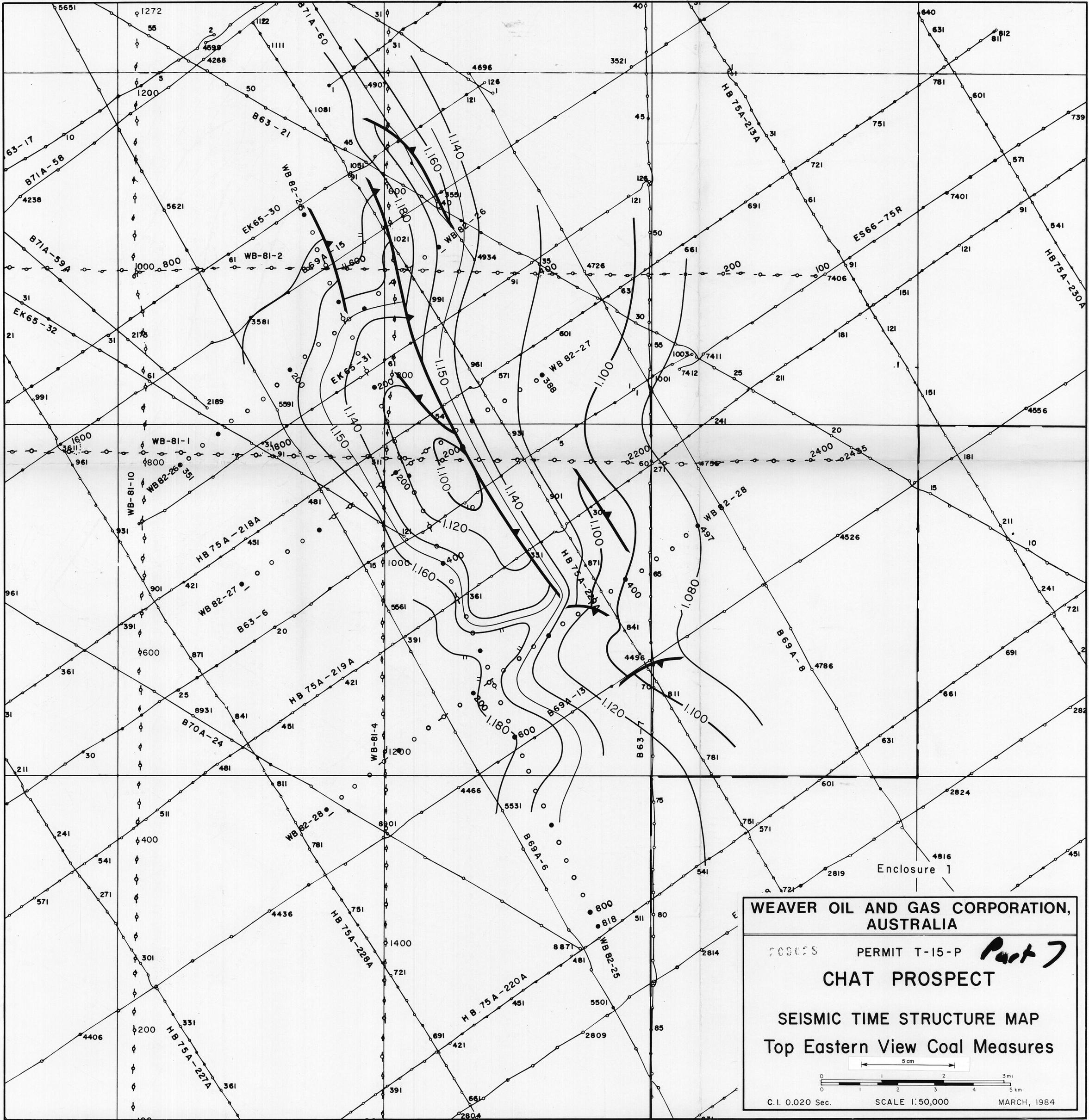
- L.M. DIVERSUS UNCONF.
- L.M. DIVERSUS HORIZON

DIGITAL PROCESSING		
SEG	PROCESS	PARAMETERS
1	DEMULTEX	BINARY GAIN RECOVERY OUTPUT 4 MS
2	GAIN	AMPLITUDE RECOVERY
3	CDP TRACE GATHER	4800%/ADJACENT TRACE SUM
4	PRE-FILTER	SEE BELOW
5	DECONVOLUTION	SEE BELOW
6	VELOCITY ANALYSIS	CONSTANT VELOCITY STACK OVER 6 COPS
7	NO. MUTE	NORMAL MOVEOUT MUTE APPLICATION
8	CDP STACK	4800%
9	FILTER	SEE BELOW
10	EQUALIZATION	DATA DEPENDENT

DECON	OPERATOR LENGTH	PREDICTIVE GAP	DERIVATION WINDOWS	APPLICATION WINDOWS
5	160	32	0 TO 3500	RECORD LENGTH

FILTER	CUT OFF POINT	6 DB POINT	6 DB POINT	CUT OFF POINT	APPLICATION TIMES FOR SHOTPOINTS SPECIFIED
9	12	15	56	66	2500 OVERLAP
	4	6	32	40	3500-4000
4	4	6	56	66	RECORD LENGTH

SAMPLE RATE: 4MS; DATUM CORRECTION: 13 MS
 SCALES: HORIZONTAL 24 TR/IN VERTICAL 2.5 IN/SEC
 RECORDING POLARITY: NEG. VALUE EQUALS PRESSURE INCREASE
 PROCESSING POLARITY: POSITIVE NO. GIVES BLACK PEAK



Enclosure 1

**WEAVER OIL AND GAS CORPORATION,
AUSTRALIA**

200005 PERMIT T-15-P *Part 7*

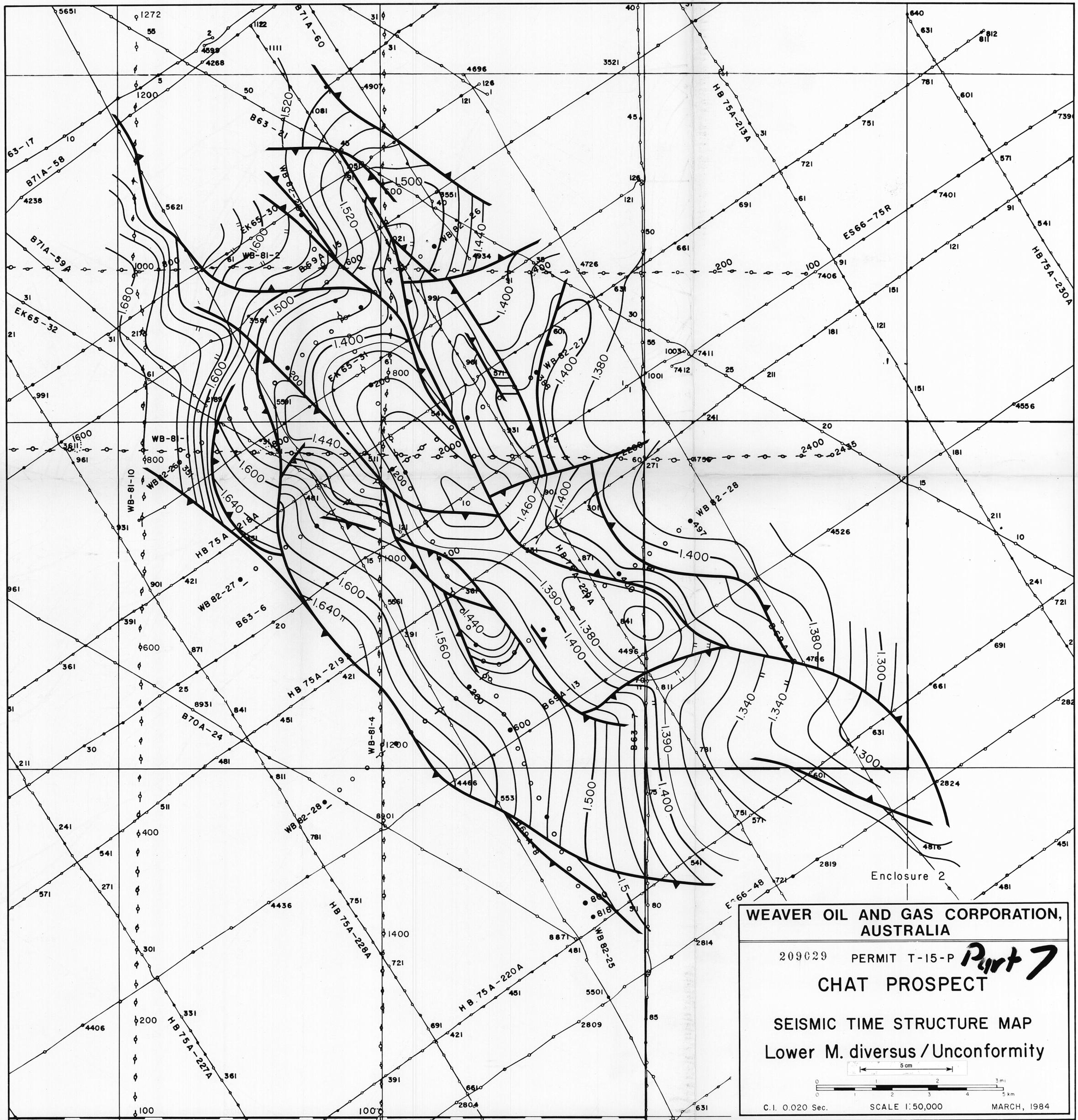
CHAT PROSPECT

SEISMIC TIME STRUCTURE MAP
Top Eastern View Coal Measures

5 cm

0 1 2 3 4 5
0 1 2 3 4 5
mi km

C.I. 0.020 Sec. SCALE 1:50,000 MARCH, 1984



Enclosure 2

WEAVER OIL AND GAS CORPORATION,
AUSTRALIA

209029 PERMIT T-15-P *Part 7*

CHAT PROSPECT

SEISMIC TIME STRUCTURE MAP

Lower M. diversus / Unconformity

5 cm

0 1 2 3 4 5 km

C.I. 0.020 Sec. SCALE 1:50,000 MARCH, 1984

OR-194B VOL-2 CHAT 2.

LINE WB82-27
S.P. 1-388

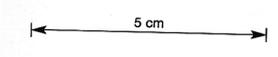


AGC-STACK 209030

**WEAVER OIL & GAS
BASS BASIN
PERMIT T-15-P**

**1/15 P
Part 7**

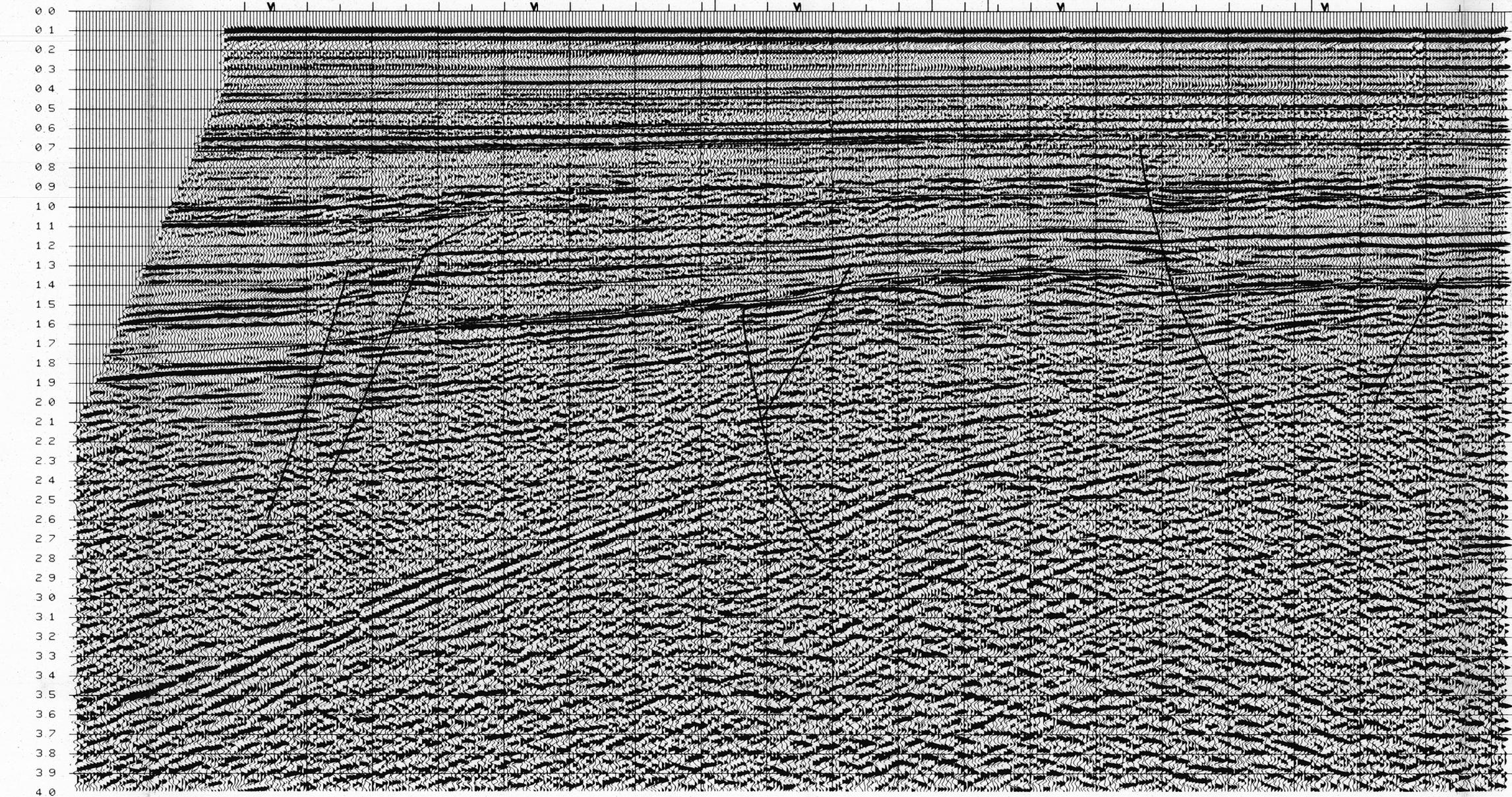
SP 9		SP 89		SP 169		SP 249		SP 329	
TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS
0	1490	0	1490	0	1490	0	1490	0	1490
130	1490	130	1490	120	1490	130	1490	130	1490
450	1940	580	2100	550	2020	830	2100	900	2100
1300	2260	1580	2740	1160	2420	1480	2420	1550	2500
2030	2660	2450	3380	1800	2820	2350	2900	2500	3540
2800	3860	3050	4340	2400	3700	3000	4020	4000	5140
4000	5140	4000	5140	4000	5140	4000	5140	4000	5140



WD-FMS
S.P.

LINE EK-32 SP 109
LINE B69A-6 SP 5575
LINE WB81-4 SP 912
LINE WB82-25 SP 290
LINE WB81-1 SP 975
LINE HB75A-229A SP 944

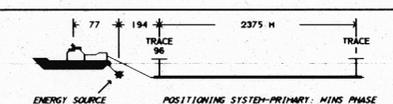
45 45 44 44 45 45 45 45 45 44 44 44 45 46 46 45 49



DATE PROCESSED MAY 1982
REEL NUMBER 2767
CONTRACT NUMBER 4805

FIELD RECORDING

RECORDED BY WESTERN GEOPHYSICAL
DATE FEBRUARY 1982 SYSTEM DFSV
FORMAT SEG B GAIN 36 DB
ENERGY SOURCE
TYPE AIR GUNS 760 CU. INS. 4500 PSI.
ARRAY 10 GUNS DEPTH 6 METERS
STREAMER
LENGTH 2375 METERS NO. TRACES 96
DEPTH 40 FT. GROUP INTERVAL 25 METERS
ARRAY 20 GEOPH/TR OVER 25 METERS
PARAMETERS
RECORDING FOLD 4800% S.P. SPACING 25 METERS
SAMPLE INTERVAL 2 MS RECORD LENGTH 5 SECONDS
RECORDING FILTER OUT - 128HZ @ 70DB/OCTAVE



DIGITAL PROCESSING

SEQ	PROCESS	PARAMETERS
1	DEMULTIPLIX	BINARY GAIN RECOVERY OUTPUT 4 MS
2	GAIN	AMPLITUDE RECOVERY
3	CDP TRACE GATHER	4800%/ADJACENT TRACE SUM
4	PRE-FILTER	SEE BELOW
5	DECONVOLUTION	SEE BELOW
6	VELOCITY ANALYSIS	CONSTANT VELOCITY STACK OVER 6 CDP'S
7	N/D. MUTE	NORMAL MOVEOUT MUTE APPLICATION
8	CDP STACK	4800%
9	FILTER	SEE BELOW
10	EQUALIZATION	DATA DEPENDENT

DECON	OPERATOR LENGTH	PREDICTIVE GAP	DERIVATION WINDOWS	APPLICATION WINDOWS	ADDITIONAL COMMENTS
5	160	32	0 TO 3500	RECORD LENGTH	

FILTER	CUT OFF POINT	6 DB POINT	8 DB POINT	CUT OFF POINT	APPLICATION TIMES FOR SHOTPOINTS SPECIFIED	AMPLIFICATION TIMES
9	12	15	56	66	0-1000	
	4	6	32	40	3500-4000	
4	4	6	56	66	RECORD LENGTH	

ALL TIMES IN MILLISECONDS ALL FREQUENCIES IN HERTZ
FILTERS INTERPOLATED LINEARLY BETWEEN APPLICATION TIMES
APPLICATION TIMES INTERPOLATED LINEARLY BETWEEN SHOTPOINTS
*OPERATOR LENGTH GIVEN IS ACTIVE LENGTH ADD GAP FOR TOTAL LENGTH

SAMPLE RATE: 4MS; DATUM CORRECTION: 13 MS
SCALES: HORIZONTAL 24 TR/IN VERTICAL 2.5 IN/SEC
RECORDING POLARITY: NEG. VALUE EQUALS PRESSURE INCREASE
PROCESSING POLARITY: POSITIVE NO. GIVES BLACK PEAK

SP 9	
TIME	VRMS
0	1490
110	1490
550	1860
920	2100
1300	2260
2100	2630
2850	3540
4000	4660

SP 89	
TIME	VRMS
0	1490
120	1490
320	1670
610	2020
1300	2260
1710	2500
2200	2900
2850	3540
4000	4660

SP 169	
TIME	VRMS
0	1490
120	1490
350	1700
850	2100
1510	2260
1830	2660
2200	2900
3230	4340
4000	4820

SP 249	
TIME	VRMS
0	1490
80	1490
360	1780
880	2180
1510	2420
2250	3060
3300	4340
4000	4820

SP 329	
TIME	VRMS
0	1490
110	1490
330	1700
560	2020
1110	2180
1630	2500
2450	3220
3130	4180
4000	4820

SP 409	
TIME	VRMS
0	1490
120	1490
320	1670
580	2020
1150	2260
1830	2660
2300	3060
2800	3860
4000	4820

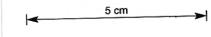
SP 489	
TIME	VRMS
0	1490
120	1490
320	1670
620	2020
1150	2260
1580	2500
1980	2820
2720	3540
4000	4820

SP 569	
TIME	VRMS
0	1490
120	1490
320	1670
870	2100
1520	2260
2000	2820
2530	3380
3250	4340
4000	4820

SP 649	
TIME	VRMS
0	1490
120	1490
320	1700
580	2020
1170	2260
1630	2500
2070	2740
2600	3380
3240	4180
4000	4820

SP 729	
TIME	VRMS
0	1490
100	1490
400	1860
1050	2180
1520	2340
1820	2500
2230	2820
2840	3540
4000	4820

This Part 7



LINE WB82-25
S.P. 1-818



AGC-STACK

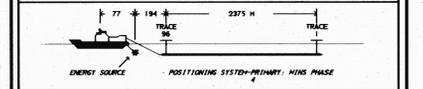
209031

**WEAVER OIL & GAS
BASS BASIN
PERMIT T-15-P**

GeoCenter
DATE PROCESSED MAY 1982
REEL NUMBER 2971
CONTRACT NUMBER 4805

FIELD RECORDING

RECORDED BY WESTERN GEOPHYSICAL
DATE FEBRUARY 1982 SYSTEM DFSV
FORMAT SEG B GAIN 36 DB
ENERGY SOURCE
TYPE AIR GUNS 760 CU. INS. 4500 PSI.
ARRAY 10 GUNS DEPTH 6 METERS
STREAMER
LENGTH 2375 METERS NO. TRACES 96
DEPTH 40 FT GROUP INTERVAL 25 METERS
ARRAY 20 GEOPH/TR OVER 25 METERS
PARAMETERS
RECORDING FOLD 4800% S.P. SPACING 25 METERS
SAMPLE INTERVAL 2 MS RECORD LENGTH 5 SECONDS
RECORDING FILTER OUT - 128HZ @ 70DB/OCTAVE



DIGITAL PROCESSING

SEQ	PROCESS	PARAMETERS
1	DEMULTEX	BINARY GAIN RECOVERY OUTPUT 4 MS
2	GAIN	AMPLITUDE RECOVERY
3	CDP TRACE GATHER	RECORD ALIGNMENT TRACE SUM
4	PRE-FILTER	SEE BELOW
5	DECONVOLUTION	SEE BELOW
6	VELOCITY ANALYSIS	CONSTANT VELOCITY STACK OVER 8 COPS
7	180 DEGREE	NORMAL MOVEMENT WHITE APPLICATION
8	CDP STACK	4800%
9	FILTER	SEE BELOW
10	EQUALIZATION	DATA DEPENDENT

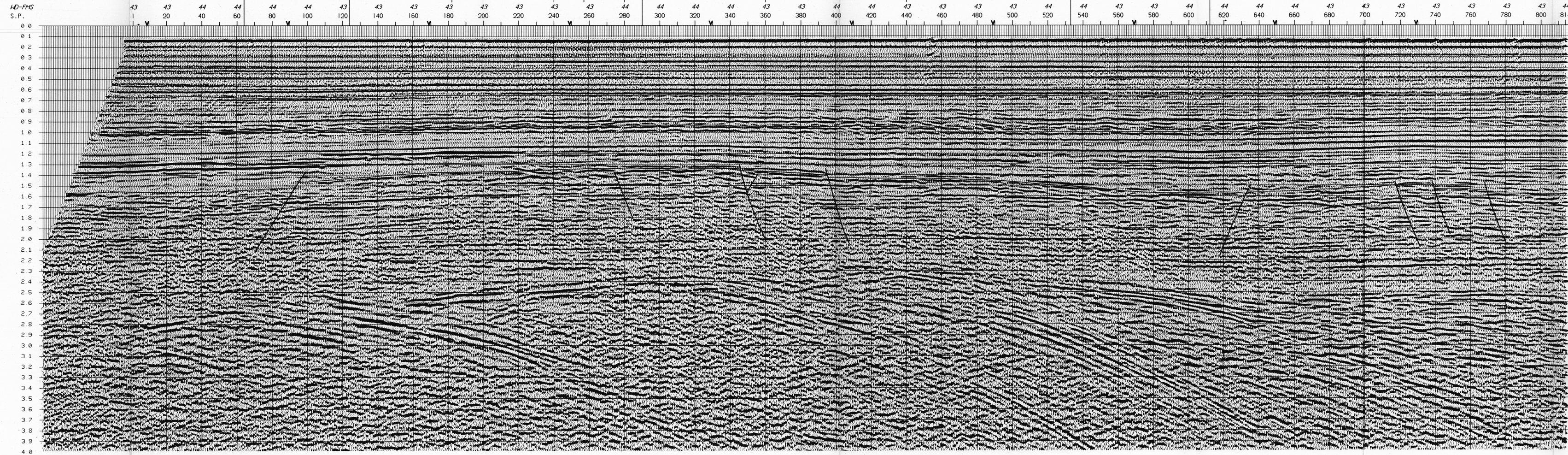
DECON	OPERATOR LENGTH	PREDICTIVE GAP	DERIVATION WINDOW	APPLICATION WINDOW
5	180	32	0 TO 3500	RECORD LENGTH

FILTER	CUT OFF POINT	4 DB POINT	6 DB POINT	APPLICATION TIMES FOR SHOTPOINTS SPECIFIED
9	12	15	50	0-1000
4	4	6	30	3500-4000
4	4	6	50	RECORD LENGTH

ALL TIMES IN HILLS ARE IN HERTZ
FILTERS INTERPOLATED LINEARLY BETWEEN APPLICATION TIMES
APPLICATION TIMES INTERPOLATED LINEARLY BETWEEN SHOTPOINTS
OPERATOR LENGTH GIVEN IS ACTIVE LENGTH ADD GAP FOR TOTAL LENGTH

SAMPLE RATE: 4MS; DATUM CORRECTION: 13 MS
SCALES: HORIZONTAL 24 TR/IN VERTICAL 2.5 IN/SEC
RECORDING POLARITY: NEG. VALUE EQUALS PRESSURE INCREASE
PROCESSING POLARITY: POSITIVE NO. GIVES BLACK PEAK

WD-FMS
S.P.



— MIOCENE
— OLIGOCENE
— EVCM
— UNCONFORMITY
— LOWER M. DIVERSUS