T/15P Pavl 15

ENCLOSURE 12

MIGRATED SECTION

LINE : BB85-23

S.P. 1 TO 975

NORTHWEST

DIRECTION SHOT= 329 DEGREES

5 cm

240182

OR_0225

120TRACE 6000% DBS STK DAS MIG RMS BPF

BRIDGE OIL LIMITED

AREA : BASS BASIN
T-15-P / T-16-P

WESTERN GEOPHYSICAL
DIVISION OF LITTON INDUSTRIES
SINGAPORE DIGITAL CENTRE

RECORDED	APRIL	1985
PROCESSED	MAY	1985

RECORDING DATA

BOAT

WESTERN ODYSSEY	PARTY 86
NAVIGATION BY	MAXIRAN
MAP LOCATIONS	ANTENNA POSITION

SOURCE

AIR GUN VOLUME	1530 CU/IN
AIR GUN PRESSURE	4600 PSI.
GUN DEPTH	6 M.
S.P. INTERVAL	26.67 M.
POP INTERVAL	26.67 M.
SHOOTING RATE	37.5 POPS/KM.
NO. OF GUNS	19

INSTRUMENTS

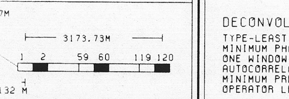
SYSTEM	L.R.S. 16
FORMAT	SEG-D (6250 BPI)
FILTERS	12 HZ. 375 HZ.
FILTER SLOPES	12 / 72 DB/OCT
RECORD LENGTH	5 SECONDS
SAMPLE RATE	1 MS.
POLARITY	COMPRESSION NEGATIVE

CABLE

STREAMER	3200 M.
GROUPS	240
GROUP INTERVAL	13.33 M.
LEAD IN	132 M.
CABLE DEPTH	12 M. AVERAGE

ARRAY FORMED SPECIFICATIONS

TRACES	120
TRACE INTERVAL	26.67 M.
FILTERS	12 HZ. 180 HZ.
FILTER SLOPES	6 / 180 DB/OCT
SAMPLE RATE	2 MS.



SCALES
HORIZONTAL.. 2.50 IN/KILOMETER
VERTICAL.... 3.75 IN/SECOND
0 1
KILOMETER

LEGEND

▼	INTERSECTIONS
W.D.	WATER DEPTH
V	VELOCITY ANALYSIS

COMMENTS

DATUM PLANE : SEA LEVEL

CORRECTION APPLIED ON FINAL DISPLAY
GUN CORRECTION..... + 0004 MS.
CABLE CORRECTION..... + 0008 MS.
TOTAL CORRECTION..... + 0012 MS.

DISPLAY POLARITY
NEGATIVE NUMBER ON TAPE
REPRESENTED BY A TROUGH

PROCESSING SEQUENCE

SAMPLING INTERVAL 4 MS.

FORMAT CONVERSION
INPUT: 120 CHANNELS SEG D ARRAY-FORMED
OUTPUT: WGC CODE 4 FORMAT (FL. PT.)

SIGNATURE DECONVOLUTION
OPERATOR DESIGNED FROM AVERAGE
OF RECORDED NEAR FIELD SIGNATURES.

DECONVOLUTION
TYPE-LEAST SQUARES
MINIMUM PHASE INVERSE FILTER
2 WINDOWS

WINDOW #1 (NR OFFSET)	300-3000 MS.
WINDOW #1 STOP TIME VEL	2500 MS.
WINDOW #2 (NR OFFSET)	2500-5000 MS.
WINDOW #2 STOP TIME VEL	5000 MS.
AUTOCORRELATION LENGTH	240 MS.
MINIMUM PREDICTION LAG	12 MS.
OPERATOR LENGTH	232 MS.

COMMON DEPTH POINT SORT

VELOCITY ANALYSIS
2 CDPS/ANALYSIS EVERY ONE KILOMETER

N.M.O. STACK
6000% N.M.O. CORRECTION

RESIDUAL VELOCITY WORK
Q.C. OF STACKING VELOCITIES
RESTACK IF NECESSARY

DECONVOLUTION
TYPE-LEAST SQUARES
MINIMUM PHASE INVERSE FILTER

ONE WINDOW	4950 MS.
AUTOCORRELATION LENGTH	240 MS.
MINIMUM PREDICTION LAG	12 MS.
OPERATOR LENGTH	232 MS.

MIGRATION
FD-MIGRATION

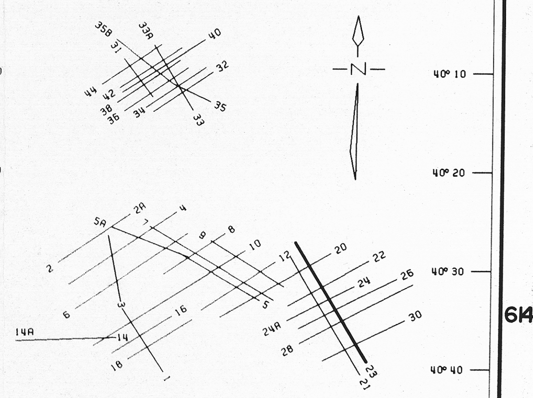
RMS GAIN
WINDOW LENGTH 64 MS.- 1024 MS.

BANDPASS FILTER 10-90 HZ.

PLAYBACK

SCALE:	1:15.748
HORIZONTAL	30 TR/IN.
VERTICAL	3.75 IN/SECOND
GEOSPACE GAIN	16 DB.
SAMPLE RATE	4 MS.

LINE LOCATION MAP



ALL LINES ARE PREFIXED AS BB85-NO

6144

ENCLOSURE 13

LINE 20
S.P. 2050 TO 2550

BUREAU OF MINERAL RESOURCES
BASS BASIN
SYDNEY PROCESSING CENTRE

56 DEGREES — DIRECTION SHOT

MIGRATION TVF/TVS

FIELD DATA

DATA SHOT BY	- G.S.I. PARTY 2993 M.V. LADY VILMA
DATE SHOT	- APRIL , 1982.
RECORDING INSTRUMENTS	- DFS V.
RECORDING FILTERS	- HIGH-CUT FILTER AND SLOPE : 128 HZ @ 72 DB/OCTAVE LOW-CUT FILTER AND SLOPE : 8 HZ @ 18 DB/OCTAVE
RECORDING POLARITY	- A POSITIVE PRESSURE AT THE HYDROPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD
DIGITAL TAPE FORMAT	- SEG B 1600 BPI PHASE ENCODED.
RECORD LENGTH / SAMPLE RATE	- 6.0 SECONDS AT 2 MILLISECOND SAMPLE RATE.
ENERGY SOURCE	- 65.5 LITRE AIRGUN ARRAY OPERATING AT 13.8 MPA.
GUN DELAY	- 51.2 MILLISECONDS.
SOURCE DEPTH	- 6.4 METRES AVERAGE.
SOURCE TO ANTENNA DISTANCE	- 62.7 METRES.
SHOTPOINT INTERVAL	- 33.3 METRES, 1 POP PER SHOTPOINT.
SHOTPOINT ANNOTATION	- SHOTPOINTS ANNOTATED AT CDP. POSITION.
STREAMER LENGTH	- 3200 METRES, 96 GROUPS, 33.3 METRE GROUP INTERVAL
STREAMER DEPTH	- 11.5 METRES AVERAGE.
HYDROPHONES	- 20 PER GROUP.
COVERAGE	- 48 FOLD, 96 TRACE.
PRIMARY NAVIGATION SYSTEM	- MAXIRAN.
BACKUP NAVIGATION SYSTEM	- GEONAV.

SPREAD DIAGRAM

3167 M
96 GEOPHONE GROUPS
326 M 62.7 M
SOURCE
CDP
LOCATION OF S.P. ON MAPS AND SECTION

DIGITAL PROCESSING

POLARITY CONVENTION	- THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY
PROCESSING RECORD LENGTH	- 6.0 SECONDS.
IRREGULAR SHOT MOVE-UP	- ACCOUNTED FOR IN PROCESSING
RESAMPLE	- MINIMUM PHASE RESAMPLE FROM 2 TO 4 MSEC.
PROCESSING SAMPLE PERIOD	- 4 MILLISECONDS.
STATIC CORRECTIONS	- SHOT AND STREAMER STATIC : 11 MILLISECONDS AIRGUN DELAY : -51.2 MILLISECONDS
AMPLITUDE RECOVERY(TAR)	- 6.0 DB PER SECOND FROM 0 TO 4.0 SECONDS ; SPHERICAL DIVERGENCE CORRECTIONS APPLIED.
PRE DECONVOLUTION MUTE	- RAMP LENGTH : 100 MSECS. OFFSETS(METRES) : 329 , 729 , 2327, 3529 START TIMES(MSECS) : 0 , 700 , 1950, 2900
VELOCITY FILTERING	- USING DIPS OF +14/-4 MSEC/TR IN THE SPC DOMAIN
DESIGNATURE - VERSION 4	- STANDARD MARINE WAVELET
VELOCITY ANALYSIS	- USING 9 DEPTH POINT VELSCAN ANALYSES LOCATED ACCORDING TO CLIENT SPECIFICATIONS
NORMAL MOVEOUT CORRECTION	- USING ANNOTATED VELOCITIES.
FIRST BREAK SUPPRESSION	- RAMP LENGTH : 100 MSECS. OFFSETS(METRES) : 329 , 729 , 1727, 3529 START TIMES(MSECS) : 0 , 800 , 1650, 3000
COMMON DEPTH POINT STACK	- VARIABLE FOLD STACK DUE TO IRREGULAR MOVE-UP
EQUALISATION	- 6000 MSEC GATE, REGULAR SCALARS, SURFACE DATUM
MIGRATION -V7	- KIRCHHOFF WAVE EQUATION MIGRATION IN FK DOMAIN WITH DIP LIMIT 40 DEGREES, USING ANNOTATED VELOCITIES WITH DIP CORRECTION AND SMOOTHING.
TIME VARIANT FILTERING	- FREQ (HZ) TIME (MSEC) FREQ (HZ) TIME (MSEC)
	12 - 90 1000 8 - 50 2700
	10 - 80 1700 8 - 40 4500
	8 - 65 2300 8 - 30 6000
TIME VARIANT SCALING	- USING 1X200, 5X400, NX1000 MSEC SCALARS STARTING AT WB + 100 MSEC (N=NUMBER OF GATES TO TMAX)

DISPLAY

HORIZONTAL SCALE	- 24.0 TR/IN 60.000641 TR/KM
VERTICAL SCALE	- 3.750000 IN / SEC
POLARITY	- NORMAL
TRACE TYPE , BIAS	- WTVAR , 5.0 PERCENT
DATUM	- SEA LEVEL
DISPLAY UNIT	- 0.701130 CM
LAST FRAME	- IN

DISPLAY GAIN	
INPUT	
CDP	ALL
GAIN DB	TIME MSEC
-79.0	0

0MI 0.25MI 0.5MI 1MI
0KM 0.25KM 0.5KM 1KM

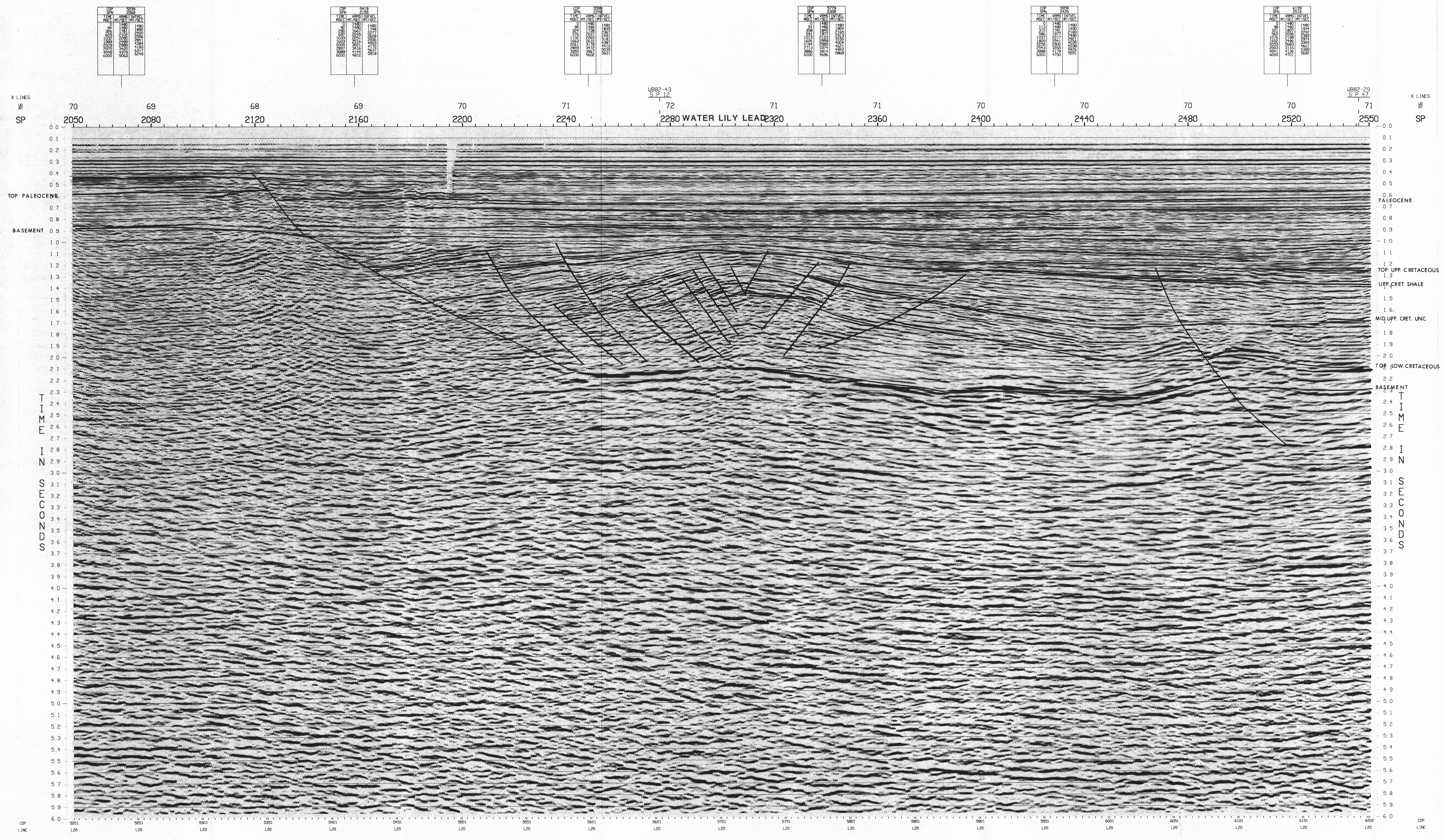
07 JUN 1985
22:58:36

PARTY 6860

GEOPHYSICAL SERVICE INC
(A DIVISION OF TEXAS INSTRUMENTS LTD)

PROCESSING CHECKED BY - ....

MIGRATION TVF/TVS
LINE 20
S.P. 2050 TO 2550
BUREAU OF MINERAL RESOURCES
BASS BASIN
SYDNEY PROCESSING CENTRE



LINE 20
S.P. 2050 TO 2550
BUREAU OF MINERAL RESOURCES
BASS BASIN
SYDNEY PROCESSING CENTRE
MIGRATION TVF/TVS
FIELD DATA
SPREAD DIAGRAM
DIGITAL PROCESSING
DISPLAY
07 JUN 1985
22:58:36
PARTY 6860
GEOPHYSICAL SERVICE INC
(A DIVISION OF TEXAS INSTRUMENTS LTD)
PROCESSING CHECKED BY -
MIGRATION TVF/TVS
LINE 20
S.P. 2050 TO 2550
BUREAU OF MINERAL RESOURCES
BASS BASIN
SYDNEY PROCESSING CENTRE

5354

T/15P Part 15

(46)

LINE: WB-81-20
S.P.: 880-100
1X4800%, MIGRATION TVF

240184

OR_0225

5 cm

SOUTHEAST

ENCLOSURE 14

WEAVER ØIL AND GAS

OFFSHORE AUSTRALIA

BASS BASIN, STONEY ROCK

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 86 APRIL 1981
PROCESSED BY WESTERN GEOPHYSICAL HDC GRP 27 JULY 1981
PLAYBACK REEL NO. :026898

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	10
GUN DEPTH	6 METERS
FIRING INTERVAL	25 METERS
SHOT POINT INTERVAL	25 METERS
DISTANCE OF SOURCE TO ANTENNA	77.9 MTRS.

INSTRUMENTS

SYSTEM	DFS V
AMPLIFIER	BINARY GAIN
FILTER	H62.5-LOUT
SAMPLING INTERVAL	4 MS.
RECORD LENGTH	6 SEC

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	2375METERS
CABLE DEPTH	14.3 MTRS.
LEAD IN	281.7MTRS.
GROUP INTERVAL	25 METERS
NUMBER OF GROUPS RECORDED	96

PROCESSING SEQUENCE AND PARAMETERS

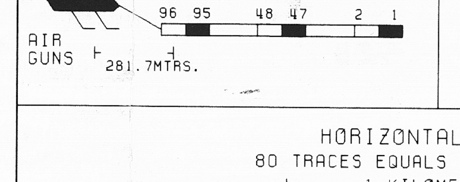
PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 3 EQUAL ZONES
   - LENGTH OPERATOR 200 MS
   - PREDICTION DISTANCE 4 MS
3. NMO STACK 4800 %
4. GAIN
5. MIGRATION
   - FINITE DIFFERENCE METHOD
6. TIME VARIANT FILTER

FILTER TIME	L.C.	(HZ.)	H.C.
.1 SEC	15	-	50
1.0 SEC	10	-	40
1.9 SEC	8	-	30
2.5 SEC	6	-	20

7. GAIN

96 GROUP CABLE USING ALL GROUPS
SHOTPOINT LOCATION AT ANTENNA
CORRECTION TO SEA LEVEL DATUM 12 MS



LEGEND

▼ INTERSECTIONS
W.D. WATER DEPTH

HORIZONTAL SCALE
80 TRACES EQUALS ONE KILOMETER
1 KILOMETER
VERTICAL SCALE
3.75 INCHES PER SECOND

5664

POLARITY CONVENTION
RECORDING : COMPRESSION PULSE NEGATIVE NUMBER
PROCESSING : COMPRESSION PULSE NEGATIVE NUMBER
DISPLAY : COMPRESSION PULSE TROUGH (DECREASING BLACK)

240185 T/15P Part 15

(47)

OR-0225

[redacted]

ENCLOSURE 15
LINE WB82-38
S.P. 1-1025

S.W.
DIRECTION OF SHOOTING

MIGRATION

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

SP 889

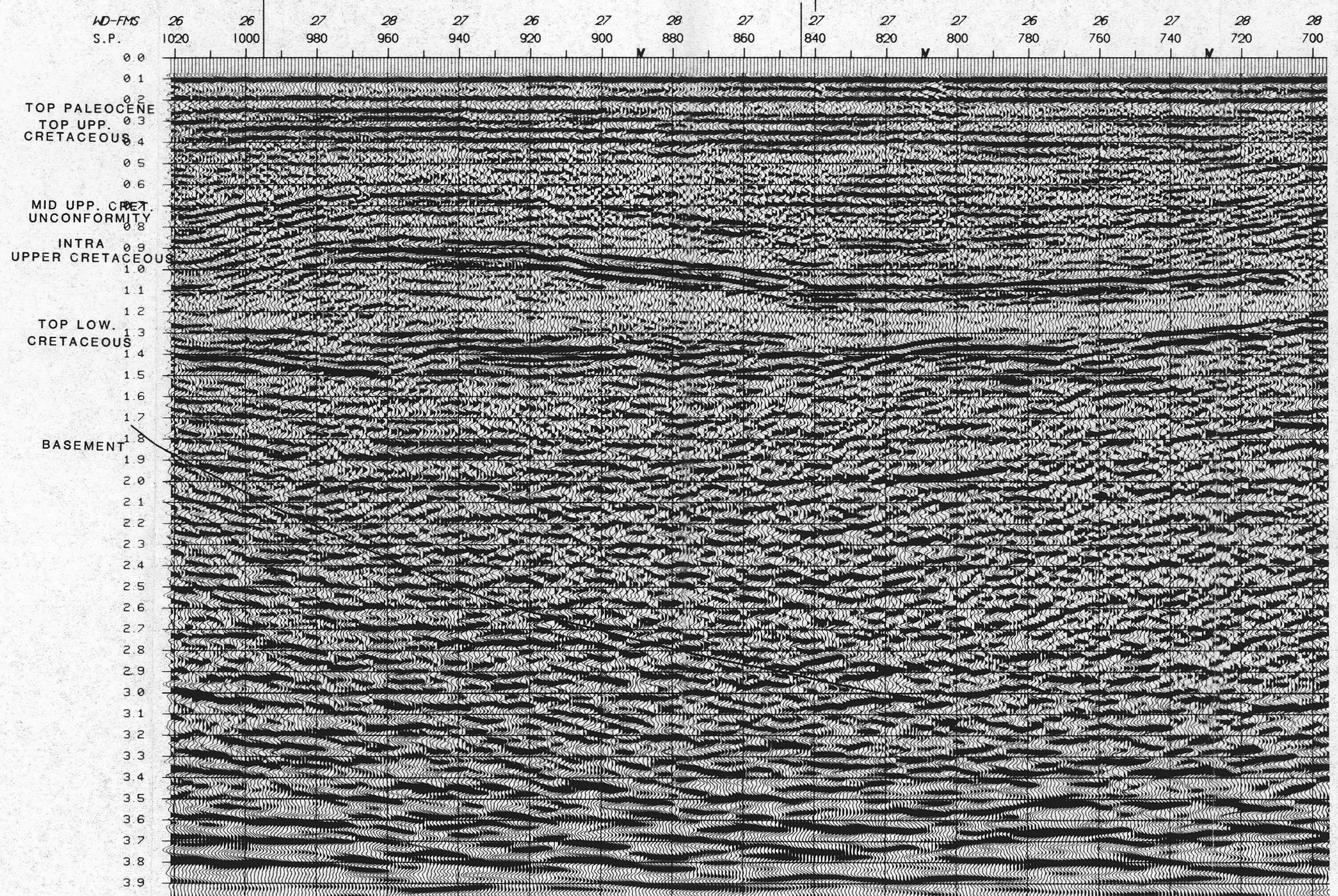
TIME	VRMS
0	1490
80	1490
500	1700
930	2100
1470	2420
1950	2740
2560	3500
3400	4340
4000	5140

SP 809

TIME	VRMS
0	1490
100	1490
660	1670
1350	2180
1830	2500
2340	2900
2750	3700
3230	4340
4000	4980

SP 729

TIME	VRMS
0	1490
80	1490
510	1780
1260	2260
1980	2660
2750	3220
3360	4020
4000	5140



GeoCenter
Housto... ...as

DATE PROCESSED MAY 1982
REEL NUMBER 5222
CONTRACT NUMBER 4805

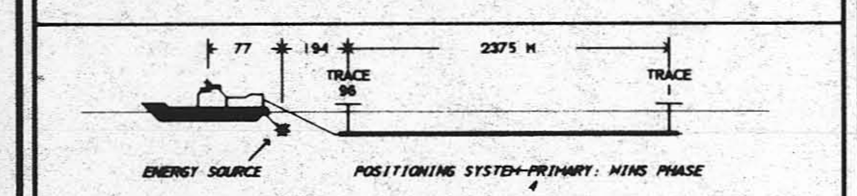
FIELD RECORDING

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	DEMULTIPLEX	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 CDPS
7	NMO. MUTE	NORMAL MOVEOUT MUTE APPLICATION
8	CDP STACK	4800%
9	FILTER	SEE BELOW
10	EQUALIZATION	1000 MS AGC
11	MIGRATION	WAVE EQUATION
12	FILTER	SEE BELOW
13	EQUALIZATION	DATA DEPENDENT

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

ADDITIONAL PARAMETERS

FILTER	CUT OFF POINT	6 DB POINT	6 DB POINT	CUT OFF POINT	APPLICATION TIMES FOR SHOTPOINTS SPECIFIED: 2500 OVERLAP
12	12	15	56	66	0-1000
	4	6	32	40	3500-4000
4	4	6	56	66	RECORD LENGTH
9	4	6	56	66	RECORD LENGTH

APPLICATION TIMES

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 6228

SCALES: HORIZONTAL 24 TR/IN VERTICAL 2.5 IN/SEC

RECORDING POLARITY: NEG. VALUE EQUALS PRESSURE INCREASE

PROCESSING POLARITY: POSITIVE NO. GIVES BLACK PEAK

5 cm

T/15P Part 15

ENCLOSURE 16.2

(48)

LINE BB85-28
S.P. 200-763

SP 745.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.16	1740	2079
0.41	1940	2058
0.51	2000	2229
0.86	2040	2097
1.01	2180	2853
1.22	2320	2900
1.39	2410	2977
1.59	2500	3053
1.78	2610	3394
2.04	2780	3742
2.28	3030	4640
2.43	3390	6828
2.57	3480	4779
3.03	3990	6100
5.00	4900	6038

SP 708.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1740	2034
0.41	1950	2086
0.68	2040	2170
0.99	2200	2516
1.08	2240	2640
1.23	2350	3026
1.37	2390	2716
1.51	2550	3773
1.66	2590	2963
1.92	2790	3828
1.99	2940	5676
2.23	3120	4333
3.53	3920	5003
5.00	4900	6691

SP 670.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.20	1690	1861
0.37	1820	1962
0.51	2000	2412
0.58	2030	2236
0.89	2170	2410
1.14	2260	2555
1.44	2500	3254
1.54	2590	3648
1.68	2680	3521
1.78	2750	3735
1.94	2900	4224
2.17	3250	5359
2.28	3530	7065
3.41	4390	5746
5.00	4900	5846

SP 633.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.27	1740	1867
0.39	1900	2218
0.75	2080	2259
1.06	2170	2374
1.21	2310	3125
1.32	2390	3138
1.47	2640	4247
2.19	3310	4370
2.29	3650	8071
5.00	4900	5748

SP 595.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1490	1490
0.17	1740	2045
0.39	1900	2015
0.48	1940	2105
0.66	2020	2219
0.86	2080	2267
1.11	2270	2828
1.47	2430	2868
1.64	2470	2792
1.76	2620	4159
2.18	3070	4489
5.00	4900	5940

SP 558.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1480	1480
0.17	1750	2076
0.36	1800	1844
0.53	2010	2395
0.87	2090	2209
1.16	2290	2806
1.49	2480	3056
1.69	2740	4197
1.83	2950	4809
2.24	3420	5006
5.00	4900	5831

SP 520.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.18	1720	1961
0.37	1870	2002
0.63	2040	2260
1.08	2260	2536
1.18	2280	2486
1.33	2360	2914
1.45	2400	2805
1.64	2580	3674
1.84	2920	4885
2.58	3830	5472
2.87	4130	6189
5.00	4900	5777

SP 483.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.16	1700	1989
0.27	1780	1890
0.53	2010	2224
0.65	2040	2168
1.13	2270	2549
1.30	2370	2950
1.47	2410	2696
1.70	2550	3308
1.90	2810	4443
2.33	3120	4226
2.69	3330	4456
3.20	3940	6238
5.00	4900	6253

SP 445.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1710	1972
0.25	1840	2090
0.53	2020	2168
0.63	2030	2082
1.18	2300	2575
1.47	2460	3025
1.76	2580	3118
1.89	2670	3678
2.23	2860	3744
2.45	2970	3914
2.67	3140	4629
2.84	3410	6277
3.16	3880	6743
5.00	4900	6276

SP 408.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.29	1800	1939
0.48	1990	2249
0.67	2080	2292
1.19	2310	2576
1.39	2370	2700
1.56	2480	3242
1.77	2640	3613
2.04	2710	3130
2.28	2780	3316
2.62	3120	4815
2.90	3510	6043
5.00	4880	6300

SP 370.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1710	1972
0.46	1920	2033
0.63	1990	2168
0.99	2240	2621
1.16	2300	2622
1.37	2400	2891
1.59	2540	3280
2.58	3100	3832
2.91	3420	5292
3.06	3640	6586
5.00	4780	6164

SP 333.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1680	1908
0.43	1890	2016
0.53	1980	2328
0.94	2070	2181
1.13	2230	2894
1.25	2320	3039
1.49	2410	2833
1.68	2530	3324
1.90	2650	3431
2.07	2870	4670
2.60	3320	4680
2.86	3670	6159
5.00	4900	6172

SP 295.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1700	1950
0.34	1870	2026
0.56	1990	2162
0.98	2190	2431
1.15	2300	2853
1.49	2480	3010
1.78	2670	3487
1.99	2830	3933
2.12	3090	5754
2.84	3630	4885
5.00	4900	6185

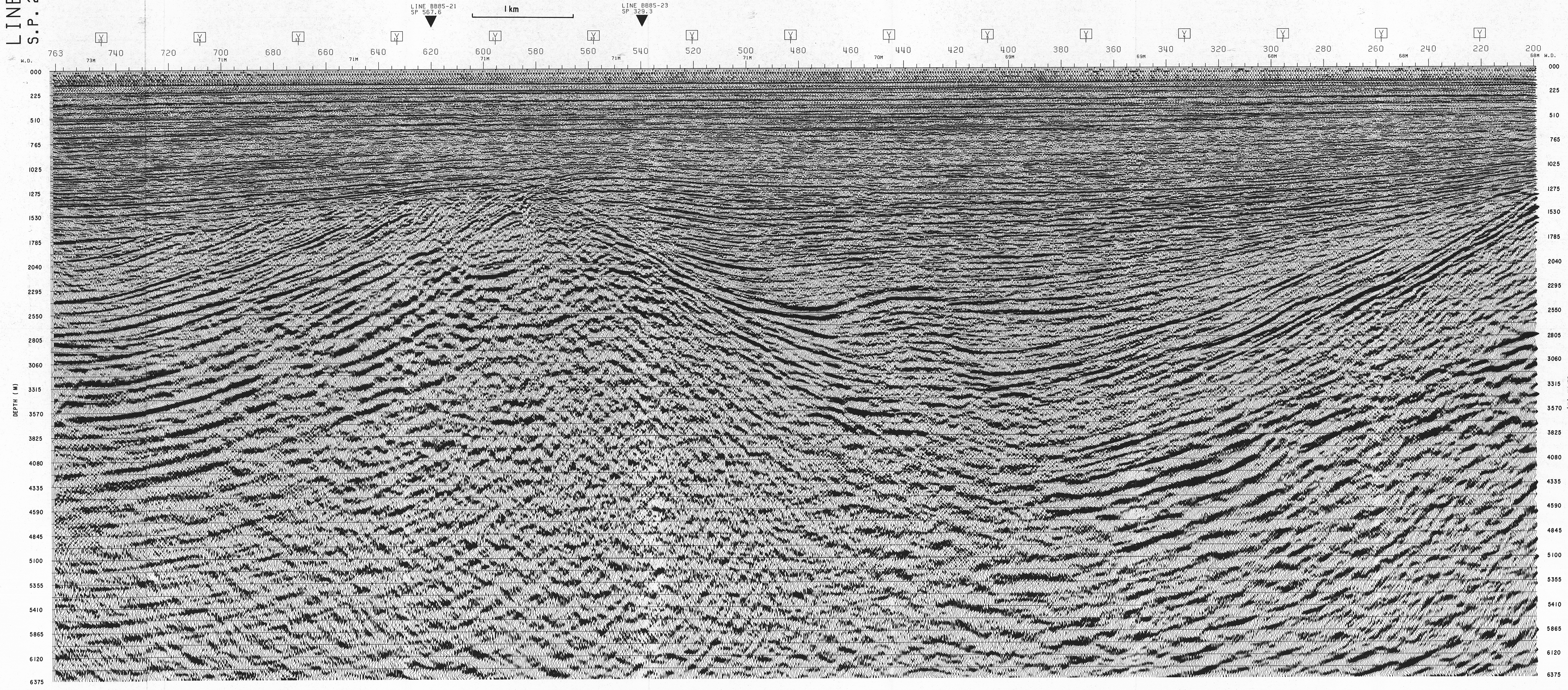
SP 258.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.16	1710	2012
0.31	1800	1891
0.48	1970	2247
0.74	2050	2190
1.05	2220	2581
1.22	2340	2976
1.41	2430	2943
1.68	2690	3767
2.19	3270	4699
2.62	3710	5423
2.81	4030	7099
5.00	4880	5791

SP 220.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1480	1480
0.17	1720	2014
0.51	1950	2055
1.06	2250	2496
1.23	2310	2654
1.42	2540	3698
1.58	2900	5078
2.30	3550	4669
2.96	4050	5445
5.00	4900	5920

LINE BB85-21
SP 567.6

1 km

LINE BB85-23
SP 329.3



TVF-DEPTH MIGRATION#2

LINE : BB85-28
S.P. 200 TO 763

SOUTHWEST

DIRECTION SHOT= 241 DEGREES

5 cm

OR_0225

240186

120TRACE 6000% DBS STK DAS MIG RMS TVF

BRIDGE OIL LIMITED

AREA : BASS BASIN
T-15-P / T-16-P

WESTERN GEOPHYSICAL
DIVISION OF LITTON INDUSTRIES
SINGAPORE DIGITAL CENTRE

RECORDED APRIL 1985
PROCESSED OCT 1985

RECORDING DATA

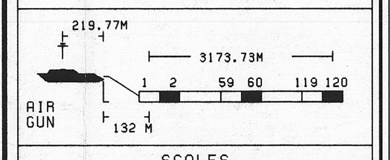
BOAT
WESTERN ODYSSEY PARTY 86
NAVIGATION BY MAXIRAN
MAP LOCATIONS ANTENNA POSITION

SOURCE
AIR GUN VOLUME 1530 CU/IN
AIR GUN PRESSURE 4600 PSI.
GUN DEPTH 6 M.
S.P. INTERVAL 26.67 M.
POP INTERVAL 26.67 M.
SHOOTING RATE 37.5 POPS/KM.
NO. OF GUNS 19

INSTRUMENTS
SYSTEM L.R.S. 16
FORMAT SEG-D (6250 BPI)
FILTERS 12 HZ. 375 HZ.
FILTER SLOPES 12 / 72 DB/OCT
RECORD LENGTH 5 SECONDS
SAMPLE RATE 1 MS.
POLARITY COMPRESSION NEGATIVE

CABLE
STREAMER 3200 M.
GROUPS 240
GROUP INTERVAL 13.33 M.
LEAD IN 132 M.
CABLE DEPTH 12 M. AVERAGE

ARRAY FORMED SPECIFICATIONS
TRACES 120
TRACE INTERVAL 26.67 M.
FILTERS 12 HZ. 180 HZ.
FILTER SLOPES 6 / 180 DB/OCT
SAMPLE RATE 2 MS.



SCALES
HORIZONTAL.. 2.50 IN/KILOMETER
VERTICAL.... 3.188 IN/SECOND
0 1
KILOMETER

LEGEND
▼ INTERSECTIONS
W.D. WATER DEPTH
V VELOCITY ANALYSIS

COMMENTS

DATUM PLANE : SEA LEVEL
TOTAL CORRECTION..... + 0007 MS. (9 METERS)

DISPLAY POLARITY
NEGATIVE NUMBER ON TAPE REPRESENTED BY A TROUGH

PROCESSING SEQUENCE

SAMPLING INTERVAL 4 MS.

FORMAT CONVERSION
INPUT: 120 CHANNELS SEG D ARRAY-FORMED
OUTPUT: WGC CODE 4 FORMAT (FL. PT.)

SIGNATURE DECONVOLUTION
OPERATOR DESIGNED FROM AVERAGE OF RECORDED NEAR FIELD SIGNATURES.

DECONVOLUTION
TYPE-LEAST SQUARES
MINIMUM PHASE INVERSE FILTER
2 WINDOWS
WINDOW #1 (NR OFFSET) 300-3000 MS.
WINDOW #1 STOP TIME VEL 2500 MS.
WINDOW #2 (NR OFFSET) 2500-5000 MS.
WINDOW #2 STOP TIME VEL 5000 MS.
AUTOCORRELATION LENGTH 240 MS.
MINIMUM PREDICTION LAG 12 MS.
OPERATOR LENGTH 232 MS.

COMMON DEPTH POINT SORT

VELOCITY ANALYSIS
2 CDFS/ANALYSIS EVERY ONE KILOMETER

N.M.O. STACK
6000% N.M.O. CORRECTION

RESIDUAL VELOCITY WORK
Q.C. OF STACKING VELOCITIES
RESTACK IF NECESSARY

DECONVOLUTION
TYPE-LEAST SQUARES
MINIMUM PHASE INVERSE FILTER
ONE WINDOW 4950 MS.
AUTOCORRELATION LENGTH 240 MS.
MINIMUM PREDICTION LAG 12 MS.
OPERATOR LENGTH 232 MS.

DEPTH MIGRATION
FINITE DIFFERENCE, DEPTH STEP 16 MSEC. VELOCITIES FROM HVA AND DEPTH MODEL FROM INTERPRETATION OF FIRST DEPTH MIGRATION.

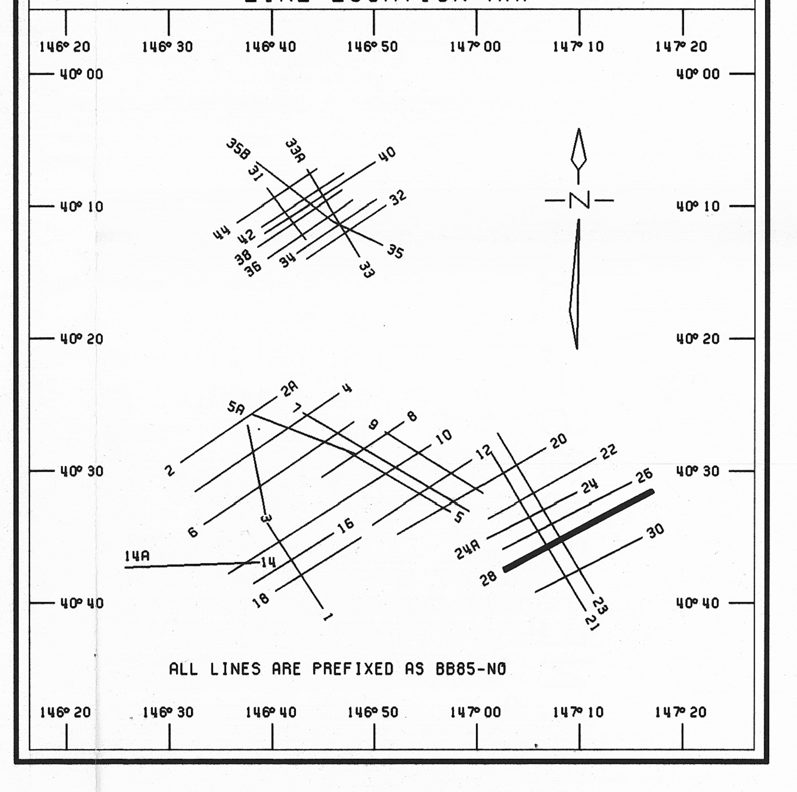
RMS GAIN
WINDOW LENGTH 64 MS.- 1024 MS.

T.V. FILTER

CDP	529	890	1010	1150	1390	1658
PASS BANK	END TIME	END TIME	END TIME	END TIME	END TIME	END TIME
10-100HZ	500	500	500	500	500	500
10-070HZ	1400	1600	1500	1400	1400	1400
7-055HZ	2000	3000	3000	2000	2000	2300
5-030HZ	2800	3800	3800	3000	3000	3800
5-025HZ	5000	5000	5000	5000	5000	5000

PLAYBACK
SCALE: 1:15,748
HORIZONTAL 30 TR/IN.
VERTICAL 3.188 IN/SECOND
GEOSPACE GAIN 16 DB.
SAMPLE RATE 4 MS.

LINE LOCATION MAP



7900


5 cm
SQUID #1
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
T-15-P
BB 85-22
BB 85-28
BB 85-30

T/15P Part 18

49


T-16-P
SQUID #1
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
EROSION DURING UPPER CRETACEOUS EPOCH
EROSION DURING UPPER CRETACEOUS EPOCH
DEPOSITIONAL EDGE
T-16-P
T-15-P

T/15P Part 15

240188

T-16-P
SQUID #1
T-16-P
T-16-P
T-16-P
T-16-P
DEPOSITIONAL EDGE OF EARLY UPPER CRETACEOUS SEDIMENTS
TAMAR PROSPECT
DURROON #1
T-15-P
BB 85-14A

240189

T/15P Part 15

OR 0225

51


SQUID #1
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
T-16-P
DEPOSITIONAL EDGE
TAMAR PROSPECT
T-15-P

T/15P Part 18

240190

OR.0225