T/ISP Rev 15

ENCLOSURE 16.2

TVF-DEPTH MIGRATION#2

LINE : BB85-28

S.P. 200 TO 763

SOUTHWEST

DIRECTION SHOT= 241 DEGREES

02 0225

5 cm

240186

120TRACE 6000% DBS STK DAS MIG RMS TVF

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	1960	2086
0.51	2060	2229
0.86	2080	2297
1.01	2180	2853
1.22	2320	2950
1.39	2610	3277
1.58	2800	3652
1.74	2940	3965
1.94	3110	3749
2.28	3030	4840
2.63	3390	6828
2.97	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	2079
0.41	1960	2086
0.68	2060	2170
0.99	2200	2516
1.08	2260	2640
1.23	2350	3026
1.37	2690	3776
1.47	2860	3747
1.66	2660	2963
1.92	2790	3828
1.99	2960	5876
2.23	3120	4333
2.53	3930	7065
5.00	4900	6691

SP 670.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1740	2079
0.37	1820	1862
0.51	2000	2412
0.58	2030	2236
0.89	2170	2410
1.14	2260	2556
1.44	2500	3254
1.57	2590	3237
1.68	2680	3241
1.78	2750	3795
1.94	2900	4524
2.13	3050	5359
2.48	3530	7065
3.41	4390	5746
5.00	4950	5848

SP 633.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1740	2079
0.39	1920	2218
0.75	2080	2259
1.06	2170	2376
1.21	2310	3125
1.35	2290	3138
1.79	2540	4297
2.19	3050	6071
5.00	4900	5748

SP 595.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1740	2045
0.39	1900	2015
0.48	1940	2105
0.66	2020	2219
0.86	2080	2267
1.11	2220	2828
1.61	2470	3805
1.94	2670	2793
2.18	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	2480	2905
1.48	2660	3116
1.65	2760	4185
1.83	2950	4809
2.04	3420	5006
5.00	4900	5831

SP 520.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.18	1730	1961
0.37	1870	2052
0.63	2040	2260
1.08	2260	2538
1.19	2380	2486
1.38	2500	2826
1.45	2600	2805
1.64	2580	3634
1.94	2900	4885
2.58	3830	5432
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	1889
0.27	1780	1890
0.53	2010	2224
0.65	2040	2148
1.16	2270	2560
1.30	2360	2943
1.47	2610	2898
1.70	2550	3308
1.80	2810	4943
2.33	3120	4206
2.69	3330	4936
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	2012
1.10	2360	2700
1.37	2600	3025
1.59	2940	3813
1.89	2870	3678
2.23	2980	3744
2.45	3910	5914
2.67	3140	4659
2.84	3980	6743
5.00	4880	6276

SP 408.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.29	1800	1939
0.48	1990	2269
0.87	2080	2292
1.19	2310	2700
1.56	2480	3242
1.77	2640	3813
2.04	2710	3130
2.28	2780	3318
2.60	3120	4815
2.90	3510	6343
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
0.96	2060	2621
1.37	2400	3991
1.59	2940	5080
2.58	3100	3932
2.91	3920	5292
3.06	3840	6586
5.00	4780	6168

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	2301
1.13	2230	2694
1.25	2320	3039
1.48	2610	2833
1.68	2620	3324
1.90	2850	3931
2.07	2870	4630
2.46	3270	4969
5.00	4900	6172

SP 295.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.17	1700	1950
0.26	1870	2026
0.56	1990	2182
0.92	2080	2292
1.15	2300	2853
1.42	2480	3010
1.78	2670	3497
1.99	2830	3933
2.12	2880	5706
2.84	3630	9885
5.00	4900	8185

SP 258.00		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1500	1500
0.16	1710	2012
0.31	1800	1961
0.46	1900	2077
0.97	2060	2490
1.05	2220	2581
1.22	2360	2976
1.41	2430	2963
1.68	2690	3767
2.19	3170	4699
2.62	3710	5633
2.81	4080	7428
5.00	4880	5791

SP 220.50		
TIME	RMS VEL	DIX INT
0.00	1450	1450
0.10	1480	1480
0.17	1720	2014
0.34	1850	2066
1.05	2310	2854
1.42	2540	3698
1.58	2900	5078
2.00	2550	4569
2.06	4050	5445
5.00	4900	5920

LINE BB85-21
SP 567.6

1 km

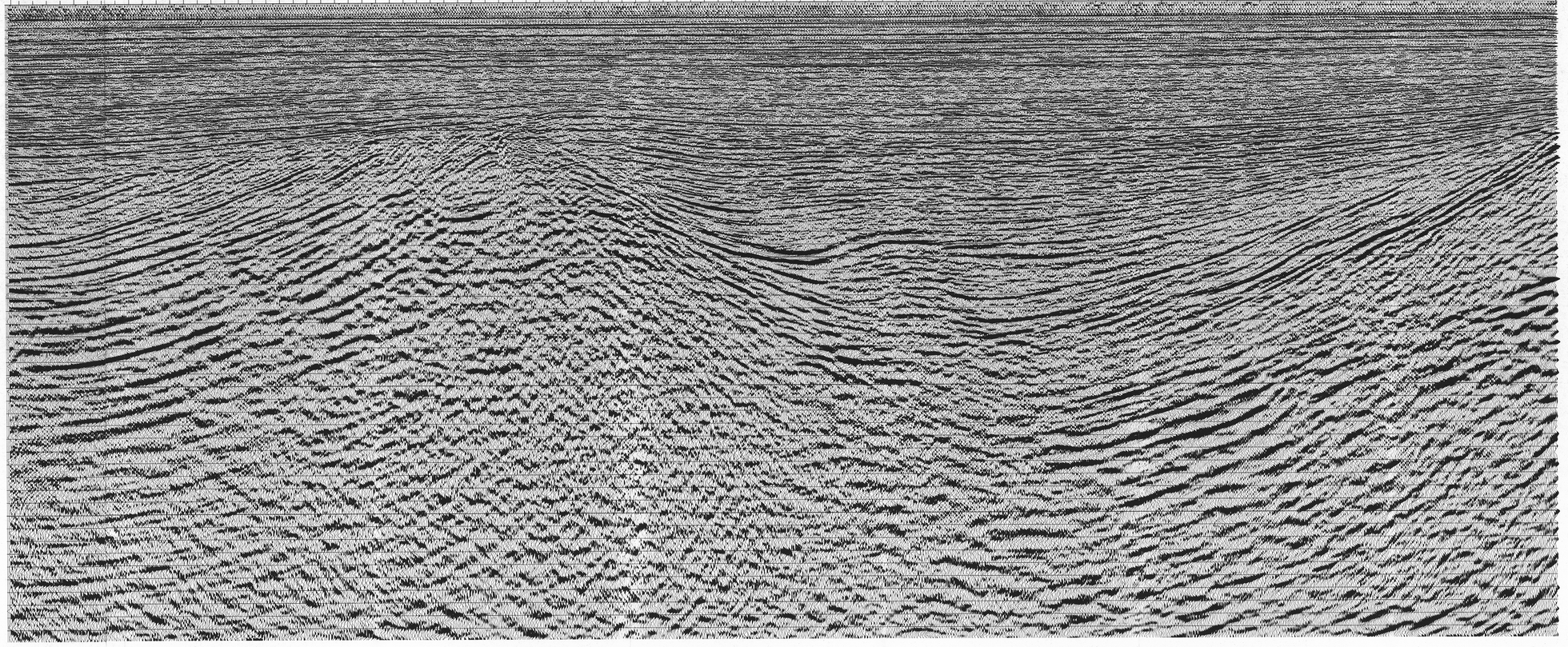
LINE BB85-23
SP 329.3

763 740 720 700 680 660 640 620 600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300 280 260 240 220 200 W.D.

73M 71M 71M 71M 71M 70M 69M 69M 68M 68M 68M

W.D. 000 225 510 765 1025 1275 1530 1785 2040 2295 2550 2805 3060 3315 3570 3825 4080 4335 4590 4845 5100 5355 5410 5865 6120 6375

DEPTH (M)



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	1800 PSI.
GUN DEPTH	6.0 M.
S.P. INTERVAL	26.67 M.
FOP INTERVAL	26.67 M.
SHOOTING RATE	37.5 FOPS/HR.
NO. OF GUNS	1S

INSTRUMENTS

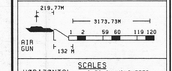
SYSTEM	L.R.S. 16
FORMAT	SEG-D (6250 BPI)
FILTERS	12 HZ, 375 HZ.
FILTER SLOPES	24 DB/OCT, 72 DB/OCT
RECORD LENGTH	5 SECONDS
SAMPLE RATE	4 MS.
POLARITY	COMPRESSION NEGATIVE

CABLE

STREAMER	3200 M.
GROUPS	240
GROUP INTERVAL	26.33 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	8 DB/ OCT, 180 DB/OCT
SAMPLE RATE	4 MS.



SCALES

HORIZONTAL.. 2.50 IN/KILOMETER
VERTICAL.... 3.108 IN/SECOND
0 1
KILOMETER

LEGEND

INTERSECTIONS
W.D. WATER DEPTH
VELOCITY ANALYSIS

COMMENTS

DATUM PLANE : SEA LEVEL
TOTAL CORRECTION..... +.0027 MS.
(8 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 (NA OFFSET):	300-3000 MS.
WINDOW #1 STEP TIME (N):	2500 MS.
WINDOW #2 (NA OFFSET):	2500-5000 MS.
WINDOW #2 STEP TIME (N):	5000 MS.
AUTOCORRELATION LENGTH	240 MS.
MINIMUM PREDICTION LAG	12 MS.
OPERATOR LENGTH	252 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
D.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	252 MS.

DEPTH MIGRATION
FINITE DIFFERENCE, DEPTH STEP 16 MSEC.
VELOCITIES FROM RVA RMS DEPTH MODEL
FROM INTERPRETATION OF FIRST DEPTH MIGRATION.

RMS GAIN
WINDOW LENGTH 64 MS.- 1024 MS.

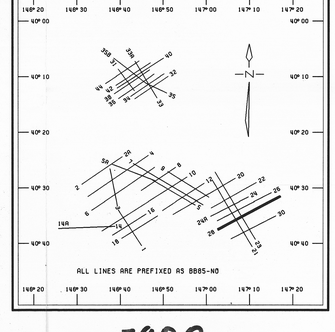
T.V. FILTER

CDP	520	800	1010	1150	1390	1658
PASS	END	END	END	END	END	END
BOWS	TIME	TIME	TIME	TIME	TIME	TIME
10-100HZ	5000	5000	5000	5000	5000	5000
10-070HZ	2400	1600	1500	1400	1000	1400
5-050HZ	3000	2400	2000	1800	1600	1800
5-035HZ	3800	3800	3800	3500	3000	3800
5-025HZ	5000	5000	5000	5000	5000	5000

PLAYBACK

SCALE:	1:15,748
HORIZONTAL	30 TR/IN.
VERTICAL	3.108 IN/SECOND
REFERENCE GAIN	0 DB
SAMPLE RATE	4 MS.

LINE LOCATION MAP



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