

AUSTRALIAN AQUITAINE
 BONAPARTE GULF
 LINE BNT-207
 VP 330-106
 FILTERED STACK

NORTHERN TERRITORY
 GEOLOGICAL SURVEY

PR83/44A Part 2

GEOPHYSICAL SERVICE INTERNATIONAL



DIGITAL PROCESSING CENTRE
 SYDNEY, N.S.W., AUSTRALIA

FOR
AUSTRALIAN AQUITAINE
PETROLEUM PTY. LTD.
BONAPARTE

LINE : BNT 80-207
 SHOTPOINTS : 330-106

FIELD RECORDING DATA :

RECORDING DATE - AUG 1980
 RECORDED BY - AUSTRAL LTD. GEO.
 INSTRUMENTS - DFS V/CDX2
 FIELD FILTER - 12-128HZ
 SLEEP FREQUENCY - 14-70HZ 15SEC UP
 RECORD LENGTH - 19SEC
 SAMPLE RATE - 2MSECS
 COVERAGE - 12 FOLD
 SPREAD - 48 TRACES
 DATUM - SEA LEVEL

SOURCE - 3 VIBRATORS
 V.P. LOCATION - CENTRE SPREAD
 NO. OF SLEEP - 3X8 PER V.P.
 V.P. INTERVAL - 160M
 SPREAD DIM - 240-0-240-2080M
 GROUP INTERVAL - 80M
 GEOPHONE ARRAY - 1122333332211
 GROUP DIM - 87M
 REPLACEMENT VEL - 2200M/S

PROCESSING SEQUENCE :

- 1 MINIMUM PHASE CORRECTION
- 2 PREDECON RAMP APPLIED
- 3 VELOCITY FILTER (+18, -3MS/TR)
- 4 CDP GATHER
- 5 TIME VARIANT DECONVOLUTION (32MS GAP)
- 6 TRACE EQUALIZATION (1SEC GATES)
- 7 VELOCITY ANALYSIS (VELPAC)
- 8 BRUTE STACK
- 9 RESIDUAL STATISTICS
- 10 VELOCITY ANALYSIS (VELSCAN)
- 11 TOTAL STATIC CORRECTIONS
- 12 NMO CORRECTIONS
- 13 12 FOLD CDP STACK
- 14 TVF - 15-60 HZ AT 0.0 SECS
 5-50 HZ AT 1.0 SECS
 15-45 HZ AT 2.0 SECS
 10-35 HZ AT 4.0 SECS

DISPLAY :

HORIZONTAL - 14 TPI
 VERTICAL - 3.75 TIPS
 BTAS - 10 %

G S I
 PARTY 4855
 FEB 1981

Q.C. BY *GL*

CDP 59		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2815	3960
444	3361	4119
654	3672	4281
1247	3757	4381
1462	4321	5415
3247	4877	5971
4000	5101	5971

CDP 111		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2806	3096
334	3087	3637
798	3418	4138
850	3631	4449
1700	4342	5167
3095	4732	5167
4000	4981	5751

CDP 203		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2703	3440
440	2984	3576
798	3441	3671
850	3544	3565
1710	3543	3565
2188	4258	4737
2952	4859	5083
4000	5105	5670

CDP 263		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2703	3440
494	2988	3082
1026	3084	3271
1356	3400	3271
1816	4025	4737
2152	4411	5083
4000	4987	5670

CDP 303		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2601	2810
294	2811	3280
461	3039	3132
944	3250	3132
1345	3504	4039
1749	4135	4737
4000	4567	5575

CDP 363		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2601	2810
294	2811	3280
461	3039	3132
944	3250	3132
1345	3504	4039
1749	4135	4737
4000	4567	5575

CDP 439		
TIME MSEC	R.M.S. VEL M/SEC	INTER VEL M/SEC
0	2813	3492
298	3493	3580
630	3530	3580
944	3550	3678
1186	3931	4147
1434	4714	5340
2088	4616	5340
4000	5000	5388

