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Survey Name	G81A Marine Seismic
UNO	S3810006
PSLA File Reference	81/14
Operator	Hematite Petroleum
Contractor	Geophysical Services Inc
Date of Recording	March to April 1981
Confidentiality	
Comment	

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H/V N° 2000 I		5921		ESSE		D WILKINS		24 TH MAR '81	
WINDS		FIRST SP	LAST SP	FIRST R/A	LAST R/A	VELOCITY		1477	
GEBIA-5038		3940	1937	001	1993			158659	
TABLE TYPE & LENGTH		N° OF GROUPS	NEAR GROUP	GROUP INTERVAL	LEFT		RIGHT		158688
ESSD. 2865 CAC		192	203	15 M	33-40'				TAPES USED 31
AIRGUN STATUS	PRESSURE	MINIMUM	DEPTH	CAPACITY	DELAY	DISTANCE TO ARRAY CENTER			
	2000	1800	20-21'	2000	51-1	51.1 M			
	BOL GUN #8 OFF, GUN #9 ON. ARRAY 2000 IN'S								
	SP 3761 GUN #14 OFF. ARRAY 1960 IN'S								
SP 3047 GUN #18 OFF. ARRAY 1940 IN'S									
SP 2554 GUN #22 OFF GUN #20 ON									
DFS - RELAXING SYSTEM									
FORMAT 2 TRACK THE SEG 'B' PACKING DENSITY 1600 API									
TAPE SPEED 3000 IPS SAMPLE INTERVAL 4 MS									
FILTERS 1000 HZ 10000 HZ 10000 HZ 10000 HZ									
RECORD MODE 1000 HZ 10000 HZ 10000 HZ 10000 HZ									
GAIN CONSTANT 1000 SECS LENGTH 10 SECS									

	DEPTH TRANSDUCER NUMBERS	1	2	3	4	5	6	ADL OFFSET	CAMERA OFFSET	STRETCH SECTIONS	
								218	224	FRONT 2 X 60M TAIL 1 X 60M	
	AT/NEAR SECTION NUMBERS	2	5	8	13	16	20	WATERBREAKS IN FRONT OF SECTION N°			
	DEPTH CONTROLLERS AT SECTION - NUMBERS	2	5	8	12	16	20	RECORDED IN DIGITAL CHANNELS			
	COMPASS SECTIONS AT SEIS GROUP NUMBERS							DISPLAYED ON SEISMOGRAPH TRACES			
	DEPTH TRANSDUCERS N°	7	8								
	AT SEIS SECTION	26	29								
	DEPTH CONTROLLERS AT SECTION NOS	24	27								

NOTE: ONLY 22 x 7 GROUP SECTIONS ARE IN USE (IE THERE IS NO SECTION #1) GROUPS ARE NUMBERED 1-202 BUT #1-7 ARE NOT USED #9 ALSO NOT USED #10-202 ARE USED ONLY

MARINE FIELD DATA						PARTY: 2931				CLIENT: ESSO				LINE: GEPHA-5038				SYSTEM: sample rate 4ms traces 240				S.P. shot point R.N. record number N.R. no record R.L. record length T.D. time delay T. transport				S.E. sync error P.E. phase encoding error A.F. auto fire N.F. no fire S.H. ship heading T.B. tail body bearing			
DATE: 24 march 81						VESSEL: E. McDermott				PROSPECT: GIPPSLAND				DIRECTION: 258°				FORMAT: ½" 9 track PE SEG. B.											
PAGE: 1 of 4										SYSTEM OPERATOR:				AIR GUN DELAY 51.2 ms				DFS V ✓											
LOG ENTRY										FIELD TAPE ENTRY																			
SHOT POINT		P O P	RECORD NUMBER	LOCAL TIME GMT	WATER DEPTH METRES	R L	T O	EDIT		TAPE NUMBERS		T	F.R.N.	F.S.P.	L.R.N.	L.S.P.	CABLE DEPTH & SECTION NUMBER										S H T.B.	COMMENTS	
1 2 3 4	5	6 7 8 9	10 11 12 13	14 15 16 17	18	19	20 21 22 23	24 25	26 27 28 29 30 31 32	33 34 35 36	37 38 39 40	41 42 43 44	45 46 47 48	49 50	51 52	53 54	55 56	57 58	59 60	61 62	63 64	65 66 67							
3940		001	0838	71	40				158657 B		001	3940	061	3880	40	40	36	38	40	38	36	33	259	1° PT.					
3890		051	0847	75											40	42	35	40	41	40	38	35	259	1° PT.	9000 - Cal. Strip				
							063	RE	158658 A	062	3879											180		9001 - Offset					
3840		101	0856	76								128	3813		42	43	37	40	42	40	40	35	259	1° PT.	9002 - Noise				
																						180		9003 - Test POP					
3790		151	0906	75					158659 B	129	3812				42	42	37	40	43	44	42	37	259	1° PT.					
												193	3747									180		* NB AT Traces 14, 49, 77, 169 Dead					
3740		201	0915	73					158660 A	194	3746				42	42	36	40	42	43	41	38	259	1° PT.					
									158661 B	261	3880	263	3978									180		FIRST Three Tapes have wrong constant					
3690		251	0925	72					158662 A	264	3680				42	42	37	40	42	39	38	35	259	1° PT.	Tape numbers:				
											329	3605										180		Tape 158657 IS 15865600383					
3680		261																						158658	15865700383				
3679		262																							158659	15865800383			
3678		263																											
3677		NR																											
3676		NR																											
3675		NR																											
3674		NR																											
3673		NR																											
3672		NR																											
3671		NR																											
3640		294	0934	72											45	43	33	36	38	37	38	35	259	2° PT.					
																							181						
3590		344	0943	71																									

MARINE FIELD DATA				PARTY: 2931				CLIENT: ESSO				LINE: G88A-5038				SYSTEM: sample rate 4ms traces 240				S.P. shot point R.N. record number N.R. no record R.L. record length T.D. time delay T. transport				S.E. sync. error P.E. phase encoding A.F. auto fire N.F. no fire S.H. ship heading T.B. tail body bearing							
DATE: 24 March 81				VESSEL: E. McDermott				PROSPECT: GIPPSLAND				DIRECTION: 258°				FORMAT: 1/4" 9 track PE SEG. B.															
PAGE: 2 of 4								SYSTEM OPERATOR:				AIR GUN DELAY 51.2 ms				DFS V ✓															
LOG ENTRY												FIELD TAPE ENTRY																			
SHOT POINT	P.O.P.	RECORD NUMBER	LOCAL TIME GMT	WATER DEPTH METRES	RL	TO	EDIT		TAPE NUMBERS	T	F.R.N.	F.S.P.	L.R.N.	L.S.P.	CABLE DEPTH & SECTION NUMBER												S.H.	COMMENTS			
1 2 3 4	5	6 7 8 9	10 11 12 13	14 15 16 17	18	19	20 21 22 23	24 25	26 27 28 29 30 31	32	33 34 35 36	37 38 39 40	41 42 43 44	45 46 47 48	49 50 51 52	53 54 55 56	57 58 59 60	61 62 63 64	65 66 67	T.B.											
3390		544	1019	67					158666	A	528	3406		593	3341	44	45	38	42	42	40	40	38	258	1° PT.	Because we don't know if Tape number 158661 has an information on it. Tapes no 158662 & 158663 & 158664 & 158665 & 158666 & 158667 158668 has wrong constant.					
																				181											
3340		594	1022	67					158667	B	594	3340				45	43	38	42	43	43	41	38	258	1° PT.						
													659	3275									181								
3290		644	1035	65					158668	A	660	3274				43	45	38	39	38	37	36	34	258	3° PT.						
													725	3209									183								
3240		694	1043	64					158669	B	726	3208				42	42	38	39	40	40	40	36	258	3° PT.						
													792	3130									183								
3190		744	1052	64												42	43	36	40	42	39	37	35	258	3° PT.						
																							183								
3140		794	1100	64					158670	A	793	3129				45	43	38	42	43	43	40	35	258	3° PT.						
													858	3076									183								
3090		844	1109	63												42	42	35	38	40	40	40	35	258	3° PT.						
								884	AF														183								
								885	AF																						
3040		894	1116	63				886	AF	158671	B	859	3075			42	44	38	40	42	41	38	34	260	3° PT.						
														925	3009								181								
								901	AF																						
2990		944	1124	63					158672	A	926	3008				45	44	38	42	43	43	40	35	260	3° PT.						
														992	2942								181								
2940		994	1132	63					158673	B	993	2941				43	44	38	42	43	42	40	37	260	3° PT.						
													1059	2875									181								
2890		1044	1140	62												42	43	39	42	43	40	41	35	263	5° PT.						
																							180								
2840		1094	1148	62					158674	A	1060	2874				44	43	37	42	42	41	39	35	263	5° PT.						
														1125	2809								180								
2790		1144	1156	62					158675	B	1126	2808				43	44	48	42	43	42	38	35	261	4° PT.						
														1192	2742								181								
2740		1194	1204	62												41	41	34	40	43	42	40	38	261	4° PT.						
																							181								

MARINE FIELD DATA				PARTY: 2931				CLIENT: ESSO				LINE: GE81A-5038				SYSTEM: sample rate 4 ms traces 240				S P shot point R N record number N.R. no record R L record length T.D. time delay T. transport				S.E. sync. error P.E. phase encoding error A.F. auto fire N.F. no fire S.H. ship heading T.B. tail body bearing																							
DATE: 24 March 81				VESSEL: E. McDermott				PROSPECT: GIPPSLAND				DIRECTION: 258°				FORMAT: 1/2" 9 track PE SEG-B																															
PAGE: 3 of 4								SYSTEM OPERATOR:				AIR GUN DELAY 51.2 ms				DFS V																															
LOG ENTRY												FIELD TAPE ENTRY																																			
SHOT POINT		P O P		RECORD NUMBER		LOCAL TIME GMT		WATER DEPTH METRES		RL TO		EDIT		TAPE NUMBERS		T		F.R.N.		F.S.P.		L.R.N.		L.S.P.		CABLE DEPTH & SECTION NUMBER												S.H.		COMMENTS							
1 2 3 4		5		6 7 8 9		10 11 12 13		14 15 16 17		18 19		20 21 22 23		24 25		26 27 28 29 30 31		32		33 34 35 36		37 38 39 40		41 42 43 44		45 46 47 48		49 50 51 52		53 54 55 56		57 58 59 60		61 62		63 64		65 66 67									
2690				1244		12:12		62m		40						158676		A		1193		2741						45		44		40		43		44		43		40		35		261		4°Port	
																158677		B		1259		2675		1258		2676														181							
2690				1294		12:20		63m																1324		2610		40		44		40		43		43		42		40		35		263		5°Port	
																158678		A		1325		2609																		180							
2590				1344		12:29		61m																1390		2544		46		45		40		44		41		41		40		39		263		5°Port	
												1368		PE																										180							
												1376		AF		158679		B		1391		2543																									
												1386		PE										1457		2473																					
2540				1394		12:36		61m																		41		44		39		43		43		40		40		36		265		6°Port			
2508				1426						14		2500		ITB		158680		A		1458		2472																		149							
2507				NR								2499		ITB										1522		2408																					
2505				1422								2498		ITB																																	
2504				NR								2504		1		158681		B		1523		2407																									
2503				NR								2503												1588		2342																					
2502				NR								2502																																			
2501				1429								2501				158682		A		1589		2341																									
2500				1430																																											

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17 SEP 1986

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2640 ESSD					GE31A		OBSERVER D WILKINS		DATE 2 ND APRIL 81						
GE 158		FIRST SP 2000	LAST SP 2692	FIRST RN 2000	LAST RN 2692	VELOCITY OF SOUND IN WATER CAMERA + FATHOMETER 1477 CMS. 1480			FIELD TAPE NUMBERS 159175 1.59185 TAPES USED 11						
TABLE TYPE + LENGTH ESSD 2865 c/c		N° OF GROUPS 192		NEAR GROUP 203		GROUP INTERVAL 15 M		DEPTH RANGE 36-42			S.P. INTERVAL 30 M				
PRESSURE 2000		MINIMUM 1800		DEPTH 18-21		CAPACITY 1920 IN		DELAY SI-1		PRIMARY NAVIGATION MAX RANGE 51.1 M					
AIRGUN STATUS BOL GUNS 31, 36 AND 21 OFF TOTAL ARRAY 1920 IN SP2611 GUN 22 OFF ARRAY 1850 IN						DFS II RELOADING SYSTEM									
						FORMAT 9 TRACK TYPE SEG B PACKING DENSITY 1600									
						TAPE SPEED 96.93 IPS SAMPLE INTERVAL 4 MS									
						FILTERS HI-CUT 90 HZ @ 72 DB/OCTAVE LO-CUT 8 HZ @ 18 DB/OCTAVE									
						RECORD MODE 1FP REPRODUCE MODE PGC									
						GAIN CONSTANT 24 DB RECORD LENGTH 4 SECS									
OVERLAP DIAGRAM															
		DEPTH TRANSFER NUMBERS		1		2		3		4		5		6	
		168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 													

PETROLEUM DIVISION

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17 SEP 1986

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