

LAND SEISMIC RECORDING LOG



CLIENT: **USGS**

PROSPECT:

AREA: **NPRA**

LINE NO: **37/81**

PARTY NO: **1186**

INST. ENG: **Hammond/Swible Daily Tests FN 107-115**

DATE: **MO 3 DAY 20 YR 81**

SHOTPOINT	TR 1-16		TR 17-32		TR 33-48		TR 49-64		TR 65-80		CDP SWITCH	SPREAD	REMARKS	CORR. STACK	
	REEL NO.	REC.	REEL NO.	REC.	REEL NO.	REC.	REEL NO.	REC.	REEL NO.	REC.				TR 1-16	TR 49-64
103	7258	117			50	60	75			1	91.1 — 114.4	109	FN 116 TEST FILE	REDRILL	
104		118			50	60	75			5	92.1 — 115.4				
105		119			50	60	75			9	93.1 — 116.4				
106		120			50	60	75			13	94.1 — 117.4				
107		121			50	60	75			17	95.1 — 118.4				
108		122			50	60	75			21	96.1 — 119.4				
109		123			50	60	75			25	97.1 — 120.4				
110		124			50	60	75			29	98.1 — 121.4				
111		125			50	60	75			33	99.1 — 122.4				
112		126			50	60	75			37	100.1 — 123.4				
113		127			50	60	75			41	101.1 — 124.4				
114		128			50	60	75			45	102.1 — 125.4				
115		129			50	60	75			49	103.1 — 126.4				
116		130			50	60	75			5	104.1 — 127.4	121			
117		131			50	60	75			9	105.1 — 128.4				
118		132			50	60	75			13	106.1 — 129.4				
119		133			50	60	75			17	107.1 — 130.4				
120		134			50	60	75			21	108.1 — 131.4				
121		135			50	60	75			25	109.1 — 132.4				
122		136			50	60	75			29	110.1 — 133.4				
123		137			50	60	75			33	111.1 — 134.4				
124		138			50	60	75			37	112.1 — 135.4				
125		139			50	60	75			41	113.1 — 136.4				
126		140			50	60	75			45	114.1 — 137.4				
127		141			50	60	75			49	115.1 — 138.4				
128		142			50	60	75			5	116.1 — 139.4	133			
129		143			50	60	75			9	117.1 — 140.4				
130		144			50	60	75			13	118.1 — 141.4				

LAND SEISMIC RECORDING LOG



CLIENT: USGS	PROSPECT: _____	AREA: NPRA	LINE NO.: 37/81
PARTY NO.: 1186	INST. EMP.: <i>[Signature]</i>		DATE: 3 DAY 20 91

SHOTPOINT	TR. _____		TR. _____		SHOT			SPREAD			REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH		LINE GROUPS	HT.	REC.	HT.	REC.
1121	872590	1145			50	60	75			17	119.1 — 142.4	138				
1133		1146			50	60	75			21	120.1 — 143.4					
1133		1147			50	60	75			25	121.1 — 144.4					
1134		1148			50	60	75			29	122.1 — 145.4					
1135		1149			50	60	75			33	123.1 — 146.4					
1136		1150			50	60	75			37	124.1 — 147.4					
1127		1151			50	60	75			41	125.1 — 148.4					
1138		1152			50	60	75			45	126.1 — 149.4					
1139		1153			50	60	75			49	127.1 — 150.4					
1140		1154			50	60	75			5	128.1 — 151.4	145				
1141		1155			50	60	75			9	129.1 — 152.4					
1142		1156			50	60	75			13	130.1 — 153.4					
1143		1157			50	60	75			17	131.1 — 154.4					
1144		1158			50	60	75			21	132.1 — 155.4					
1145		1159			50	60	75			25	133.1 — 156.4					
1146		1160			50	60	75			29	134.1 — 157.4					
1147	872590	1161			50	60	75			33	135.1 — 158.4					
1148	872591	1163			50	60	75			37	136.1 — 159.4					
1149		1164			50	60	75			5	137.1 — 160.4	154				
1150		1165			50	60	75			9	138.1 — 161.4					
1151		1166			50	60	75			13	139.1 — 162.4					
1152		1167			50	60	75			17	140.1 — 163.4					
1153		1168			50	60	75			21	141.1 — 164.4					
1154		1169			50	60	75			25	142.1 — 165.4					
1155		1170			50	60	75			29	143.1 — 166.4					
1156		1171			50	60	75			33	144.1 — 167.4					
1157		1172			50	60	75			37	145.1 — 168.4					
1158		1173			50	60	75			41	146.1 — 169.4					

VENTED

E/W 112 TEST FILE

LAND SEISMIC RECORDING LOG



CLIENT: **USGS**

PROSPECT:

AREA: **NPRA**

LINE NO: **37/81**

PARTY NO: **1186**

INST. ENG: **Hammond/Lovible**

DATE: **3 DAY 20 YR 81**

SHOTPOINT	TR. to		TR. to		SHOT				DIR.	COP SWITCH	SPREAD LINE GROUPS	REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET					HT.	REC.	HT.	REC.	
1159	1213	1213	17	22	50	60	75			45 147.1 — 170.4	154						
1160		1175			50	60	75			49 148.1 — 171.4							
1161		1176			50	60	75			5 149.1 — 172.4	166						
1162		1177			50	60	75			9 150.1 — 173.4							
1163		1178			50	60	75			13 151.1 — 174.4							
1164		1179			50	60	75			17 152.1 — 175.4							
1165		1180			50	60	75	250 E		21 153.1 — 176.4							
1166		1181			50	60	75	300 W		25 154.1 — 177.4							
1167					50	60	75	100 W		29 155.1 — 178.4							

Hours: 15.5

LA' 7 SEISMIC RECORDING '78

PAGE 1 OF 4



CLIENT: USGS	PROSPECT:	AREA: N PRA	LINE NO: 37/81
PARTY NO: 1186	INST. ENG.: Hammond	Daily Tests FN 122-190	DATE: MO 3 DAY 21 YR 81

SHOTPOINT	TR. 1-48		TR. 25-96		SHOT		SPREAD		REMARKS	CORR. STACK						
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	CDP SWITCH	LINE GROUPS	HT.	REC.	HT.	REC.
167	87259.1	19.2			50	60	15	100	W	5	155.1 — 178.4	172	FN 191 TEST FILE			
168		19.3			50	60	15			9	156.1 — 179.4					
169		19.4			50	60	15			13	157.1 — 180.4					
170		19.5			50	60	15			17	158.1 — 181.4					
171		19.6			50	60	15			21	159.1 — 182.4					
172		19.7			50	60	15			25	160.1 — 183.4					
173		19.8			50	60	15			29	161.1 — 184.4					
174		19.9			50	60	15			33	162.1 — 185.4					
175		20.0			50	60	15			37	163.1 — 186.4					
176		20.1			50	60	15			41	164.1 — 187.4					
177		20.2			50	60	15			45	165.1 — 188.4					
178		20.3			50	60	15			49	166.1 — 189.4					
179		20.5			50	60	15			5	167.1 — 190.4	184	FN 204 N/G			
180		20.6			50	60	15			9	168.1 — 191.4					
181		20.7			50	60	15			13	169.1 — 192.4					
182		20.8			50	60	15			17	170.1 — 193.4					
183		20.9			50	60	15			21	171.1 — 194.4					
184		21.0			50	60	15			25	172.1 — 195.4					
185		21.1			50	60	15			29	173.1 — 196.4					
186		21.2			50	60	15			33	174.1 — 197.4					
187		21.3			50	60	15			37	175.1 — 198.4					
188		21.4			50	60	15			41	176.1 — 199.4					
189		21.5			50	60	15			45	177.1 — 200.4					
190		21.6			50	60	15			49	178.1 — 201.4					
191		21.7			50	60	15			5	179.1 — 202.4	196				
192		21.8			50	60	15			9	180.1 — 203.4					
193		21.9			50	60	15			13	181.1 — 204.4					
194		22.0			50	60	15			17	182.1 — 205.4					

LAND SEISMIC RECORDING LOG



CLIENT: USGS	PROSPECT:	AREA: NPRA	LINE NO.: 37/81
PARTY NO.: 1186	INST. ENG.: <i>Hammond</i>		DATE: MO 3 DAY 21 YR 81

SHOTPOINT	TR. 1a		TR. 1b		SHOT				DIR.	SPREAD		REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		CDP SWITCH	LINE GROUPS		TR 1-45		TR 46-90		
											1		2	MT.	REC.	MT.	REC.
1196	812594	1221			50	60	75		21	193.1	— 204.4	196					
1196	812594	1222	TAPE		50	60	75		25	194.1	— 207.4						
1197	812592	1224	CHANGE		50	60	75		29	195.1	— 208.4						
1198		1225			50	60	75		33	196.1	— 209.4						
1199		1226			50	60	75		37	197.1	— 210.4						
1200		1227			50	60	75		41	198.1	— 211.4						
1201		1228			50	60	75		45	199.1	— 212.4						
1202		1229			50	60	75		49	190.1	— 213.4						
1203		1230			50	60	75		5	191.1	— 214.4	208					
1204		1231			50	60	75		9	192.1	— 215.4						
1205		1232			50	60	75		13	193.1	— 216.4						
1206		1233			50	60	75		17	194.1	— 217.4						
1207		1234			50	60	75		21	195.1	— 218.4						
1208		1235			50	60	75		25	196.1	— 219.4						
1209		1236			50	60	75		29	197.1	— 220.4						
1210		1237			50	60	75		33	198.1	— 221.4						
1211		1238			50	60	75		37	199.1	— 222.4						
1212		1239			50	60	75		41	200.1	— 223.4						
1213		1240			50	60	75		45	201.1	— 224.4						
1214		1241			50	60	75		49	202.1	— 225.4						
1215		1242			50	60	75		5	203.1	— 226.4	220					
1216		1243			50	60	75		9	204.1	— 227.4						
1217		1244			50	60	75		13	205.1	— 228.4						
1218		1245			50	60	75		17	206.1	— 229.4						
1219		1246			50	60	75		21	207.1	— 230.4						
1220		1247			50	60	75		25	208.1	— 231.4						
1221		1248			50	60	75		29	209.1	— 232.4						
1222		1249			50	60	75		33	210.1	— 233.4						

LAND SEISMIC RECORDING LOG



CLIENT: USGS	PROSPECT:	AREA: NPRA	LINE NO.: 37/81
PARTY NO.: 1186	INST. ENG.: <i>Hammond</i>		DATE: MO 3 DAY 21 YR 81

SHOTPOINT	TR. 10		TR. 10		SHOT			SPREAD		REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO. OFFSET	DIR.	CDP SWITCH		LINE GROUPS	TR 1-48		TR 48-96	
												HT	REC	HT	REC
2233	87124592	2450			150	60	75		37	211.1 — 234.4					
2234		2451			150	60	75		41	212.1 — 235.4					
2235		2452			150	60	75		45	213.1 — 236.4					
2236		2453			150	60	75		49	214.1 — 237.4					
2237		2454			150	60	75		5	215.1 — 238.4	237				
2238		2455			150	60	75		9	216.1 — 239.4					
2239		2456			150	60	75		13	217.1 — 240.4					
2230		2457			150	60	75		17	218.1 — 241.4					
2231		2458			150	60	75		21	219.1 — 242.4					
2232		2459			150	60	75		25	220.1 — 243.4					
2233		2460			150	60	75		29	221.1 — 244.4					
2234		2461			150	60	75		33	222.1 — 245.4					
2235		2462			150	60	75		37	223.1 — 246.4					
2236		2463			150	60	75		41	224.1 — 247.4					
2237		2464			150	60	75		45	225.1 — 248.4					
2238		2465			150	60	75		49	226.1 — 249.4					
2239		2466			150	60	75		5	227.1 — 250.4	249				
2240		2467			150	60	75		9	228.1 — 251.4					
2241		2468			150	60	75		13	229.1 — 252.4					
2242		2469			150	60	75		17	230.1 — 253.4					
2243		2470			150	60	75		21	231.1 — 254.4					
2244		2471			150	60	75		25	232.1 — 255.4					
2245		2472			150	60	75		29	233.1 — 256.4					
2246		2473			150	60	75		33	234.1 — 257.4					
2247		2474			150	60	75		37	235.1 — 258.4					
2248		2475			150	60	75		41	236.1 — 259.4					
2249		2476			150	60	75		45	237.1 — 260.4					
2250	87124592	2477			150	60	75		49	238.1 — 261.4					

LA 'D SEISMIC RECORDING OG



CLIENT: U.S. J.S.
 PARTY NO.: 1186

PROSPECT: _____
 INST. ENG: Hammond

AREA: NPRA
DAILY Tests FN 292-300

LINE NO.: 37/81
 DATE: 3 MO 22 YR 81



45

SHOTPOINT	TR. 16		TR. 16		SHOT			DIR.	CDP SWITCH	SPREAD		REMARKS	CORR. STACK						
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.			OFFSET	LINE GROUPS		HT.	REC.	HT.	REC.			
263	824593	302			50	160	75		5	251.1	— 274.4	289							
264		303			50	160	75		9	252.1	— 275.4								
265		304			50	160	75		13	253.1	— 276.4								
266		305			50	160	75		17	254.1	— 277.4								
267		306			50	160	75		21	255.1	— 278.4								
268		307			50	160	75		25	256.1	— 279.4								
269		308			50	160	75		29	257.1	— 280.4								
270		309			50	160	75		33	258.1	— 281.4								
271		310			50	160	75		37	259.1	— 282.4								
272		311			50	160	75		41	260.1	— 283.4								
273		312			50	160	75		45	261.1	— 284.4								
274		313			50	160	75		49	262.1	— 285.4								
275		314			50	160	75		5	263.1	— 286.4	280							
276		315			50	160	75		9	264.1	— 287.4								
277		316			50	160	75		13	265.1	— 288.4								
278		317			50	160	75		17	266.1	— 289.4								
279		318			50	160	75		21	267.1	— 290.4								
280		319			50	160	75		25	268.1	— 291.4								
281		320			50	160	75		29	269.1	— 292.4								
282		321			50	160	75		33	270.1	— 293.4								
283		322			50	160	75		37	271.1	— 294.4								
284		323			50	160	75		41	272.1	— 295.4								
285		324			50	160	75		45	273.1	— 296.4								
286		325			50	160	75		49	274.1	— 297.4								
287		326			50	160	75		5	275.1	— 298.4	292							
288		327			50	160	75		9	276.1	— 299.4								
289		328			50	160	75		13	277.1	— 300.4								
290		329			50	160	75		17	278.1	— 301.4								

VENTED

LAND SEISMIC RECORDING LOG



CLIENT:	USGS	PROSPECT:	AREA:	LINE NO.:	DATE:
PARTY NO.:	1186	INST. ENG.:	NPRA	37/81	MO 3 DAY 22 YR 81
INST. ENG. <i>Hammond</i>					

SHOTPOINT	TR. 1		TR. 2		SHOT			SPREAD			REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO. OFFSET	DIR.	CDP SWITCH	LINE GROUPS		TR 1-20	TR 20-40	TR 40-60	TR 60-80	
	HT	REC.	HT	REC.								HT	REC.	HT	REC.	
29.1	8172593	339			50	60	75			21 279.1 — 302.4						
29.2		337			50	60	75		X- 25	280.1 — 303.4						
29.12		332			50	60	75			29 281.1 — 309.4						VENTED
29.14		333			50	60	75			33 282.1 — 305.4						
29.15		335			50	60	75			37 283.1 — 306.4						FN 334 MISFIRE - VENTED
29.16		336			50	60	75			41 284.1 — 307.4						VENTED
29.17		337			50	60	75			45 285.1 — 308.4						
29.18		338			50	60	75			49 286.1 — 309.4						
29.19	8172593	339			50	60	75			5 287.1 — 310.4						304
30.0	8172594	341			50	60	75			9 288.1 — 311.4						FN 340 TEST FILE
30.1		342			50	60	75			13 289.1 — 312.4						
30.2		343			50	60	75			17 290.1 — 313.4						
30.3		344			50	60	75			21 291.1 — 314.4						
30.4		345			50	60	75			25 292.1 — 315.4						
30.5		346			50	60	75			29 293.1 — 316.4						
30.6		347			50	60	75			33 294.1 — 317.4						
30.7		348			50	60	75			37 295.1 — 318.4						
30.8		349			50	60	75			41 296.1 — 319.4						
30.9		350			50	60	75			45 297.1 — 320.4						
31.0		351			50	60	75			49 298.1 — 321.4						
31.1		352			50	60	75			5 299.1 — 322.4						316
31.2		353			50	60	75			9 300.1 — 323.4						
31.3		354			50	60	75			13 301.1 — 324.4						
31.4		355			50	60	75			17 302.1 — 325.4						
31.5		356			50	60	75			21 303.1 — 326.4						
31.6		357			50	60	75			25 304.1 — 327.4						
31.7		359			50	60	75			29 305.1 — 328.4						FN 358 MISFIRE
31.8		360			50	60	75			33 306.1 — 329.4						

LA 'D SEISMIC RECORDING OG

	CLIENT: USGS	PROSPECT:	AREA: NPRA	LINE NO: 37/81	
	PARTY NO: 1186	INST. ENG: Hammond		DATE: 3 22 81	

SHOTPOINT	TR _____ TO _____		TR _____ TO _____		SHOT				DIR.	CDP SWITCH	SPREAD		REMARKS	CORR. STACK			
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET			LINE GROUPS	SET		TR 1-28		TR 48-96	
														HT	REC.	HT	REC.
3119	87259H	361			50	60	75			37	307.1	— 330.4	316				
320		362			50	60	75			41	308.1	— 331.4					
321		363			50	60	75			45	309.1	— 332.4					
322		364			50	60	75			49	310.1	— 333.4					
323		365			50	60	75			5	311.1	— 334.4	328				
324		366			50	60	75			9	312.1	— 335.4					
325		367			50	60	75			13	313.1	— 336.4					
326		368			50	60	75			17	314.1	— 337.4					
327		369			50	60	75			21	315.1	— 338.4					
328		370			50	60	75			25	316.1	— 339.4					
329		371			50	60	75			5	317.1	— 340.4	334				
330		372			50	60	75			9	318.1	— 341.4					
331		373			50	60	75			13	319.1	— 342.4					
332		374			50	60	75			17	320.1	— 343.4					
333		375			50	60	75			21	321.1	— 344.4					
334		376			50	60	75			25	322.1	— 345.4					
335		377			50	60	75			29	323.1	— 346.4					
336		378			50	60	75			33	324.1	— 347.4					
337		379			50	60	75			37	325.1	— 348.4					
338		380			50	60	75			41	326.1	— 349.4					
339		381			50	60	75			45	327.1	— 350.4					
340		382			50	60	75			49	328.1	— 351.4					
341		383			50	60	75			41	329.1	— 352.4					
342		385			50	60	75			45	330.1	— 353.4					FN 384 MIS FIRE
343		386			50	60	75			49	331.1	— 354.4					

LAIS SEISMIC RECORDING LOG



CLIENT: USGS	PROSPECT: _____	AREA: NPRA	LINE NO.: 37/81
PARTY NO.: 1186	INST. ENG.: Hammond	DATE: MO 3 DAY 23 YR 81	
DAILY TESTS FN 387-395			

SHOTPOINT	TR. 10		TR. 10		SHOT		SPREAD		REMARKS	CORR. STACK								
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	CDP SWITCH	LINE GROUPS		HT	REC.	HT	REC.	
344	8725914	397			50	60	75			5	332.1	—	355.4	319	FN 396 TEST FILE			
345		398			50	60	75			9	333.1	—	356.4					
346		399			50	60	75			13	334.1	—	357.4					
347		400			50	60	75			17	335.1	—	358.4					
348	8725914	401			50	60	75			21	336.1	—	359.4					
349	8725915	402			50	60	75			25	337.1	—	360.4		FN 402 TEST FILE			
350		403			50	60	75			29	338.1	—	361.4					
351		405			50	60	75			33	339.1	—	362.4					
352		406			50	60	75			37	340.1	—	363.4					
353		407			50	60	75			41	341.1	—	364.4					
354		408			50	60	75			45	342.1	—	365.4					
355		409			50	60	75			49	343.1	—	366.4					
356		410			50	60	75			5	344.1	—	367.4	361				
357		411			50	60	75			9	345.1	—	368.4					
358		412			50	60	75			13	346.1	—	369.4		VENTED			
359		413			50	60	75			17	347.1	—	370.4					
360		414			50	60	75			21	348.1	—	371.4					
361		415			50	60	75			25	349.1	—	372.4					
362		416			50	60	75			29	350.1	—	373.4		VENTED			
363		417			50	60	75			33	351.1	—	374.4					
364		418			50	60	75			37	352.1	—	375.4					
365		419			50	60	75			41	353.1	—	376.4					
366		420			50	60	75	17.0	W	45	354.1	—	377.4					
367		421			50	60	75			49	355.1	—	378.4					
368		422			50	60	75			5	356.1	—	379.4	373				
369		423			50	60	75			9	357.1	—	380.4					
370		424			50	60	75			13	358.1	—	381.4					
371		425			50	60	75			17	359.1	—	382.4					

11/20/81

LAND SEISMIC RECORDING LOG



CLIENT: **USGS**
 PARTY NO.: **1186**

PROSPECT: _____
 INST. ENG.: **Hammond**

AREA: **N PRA**

LINE NO.: **37/81**
 DATE: **MO 3 DAY 23 YR 81**

SHOTPOINT	TR. _____ to _____		TR. _____ to _____		SHOT								SPREAD			REMARKS	CORR. STACK			
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	LINE GROUPS		SKY UP	TR 1-48			TR 48-96			
														HT.	REC.		HT.	REC.		
372	87259.5	426			50	60	25			21	360.1	—	383.4	373						
373		427			50	60	25			25	361.1	—	384.4							
374		428			50	60	25			29	362.1	—	385.4							
375		429			50	60	25			33	363.1	—	386.4							
376		430			50	60	25			37	364.1	—	387.4							
377		431			50	60	25			41	365.1	—	388.4							
378		432			50	60	25			45	366.1	—	389.4							
379		433			50	60	25			49	367.1	—	390.4							
380		434			50	60	25			5	368.1	—	391.4	385						
381		435			50	60	25			9	369.1	—	392.4							
382		437			50	60	25			13	370.1	—	393.4		FN 436 MIS FIRE					
383		438			50	60	25			17	371.1	—	394.4							
384		439			50	60	25			21	372.1	—	395.4							
385		440			50	60	25			25	373.1	—	396.4							
386		441			50	60	25			29	374.1	—	397.4							
387		442			50	60	25			33	375.1	—	398.4							
388		443			50	60	25			37	376.1	—	399.4							
389		444			50	60	25			41	377.1	—	400.4							
390		445			50	60	25			45	378.1	—	401.4							
391		446			50	60	25			49	379.1	—	402.4							
392		447			50	60	25			5	380.1	—	403.4							
393		449			50	60	25			9	381.1	—	404.4							
394		449			50	60	25			13	382.1	—	405.4							
395		450			50	60	25			17	383.1	—	406.4							
396		451			50	60	25			21	384.1	—	407.4							
397		452			50	60	25			25	385.1	—	408.4							
398		453			50	60	25			29	386.1	—	409.4							
399		454			50	60	25			33	387.1	—	410.4							

LAND SEISMIC RECORDING LOG



CLIENT: USGS	PROSPECT:	AREA: NPRA	LINE NO: 37/8/
PARTY NO: 1186	INST. ENG: Hammone		DATE: 3 23 81

SHOTPOINT	TR		TR		SHOT		SPREAD		REMARKS	CORR. STACK					
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	COP SWITCH	LINE GROUPS		TR 1-48	TR 48-96
												HI	REC	HI	REC
400	872595	455			50	60	37	388.1		37	388.1 — 411.4				
401	872595	456			50	60	41	389.1		41	389.1 — 412.4				
402	872596	458			50	60	45	390.1		45	390.1 — 413.4				
403		459			50	60	49	391.1		49	391.1 — 414.4				
404		460			50	60	5	392.1		5	392.1 — 415.4				
405		461			50	60	9	393.1		9	393.1 — 416.4				
406		462			50	60	13	394.1		13	394.1 — 417.4				
407		463			50	60	17	395.1		17	395.1 — 418.4				
408		464			50	60	21	396.1		21	396.1 — 419.4				
409		465			50	60	25	397.1		25	397.1 — 420.4				
410		466			50	60	29	398.1		29	398.1 — 421.4				
411		467			50	60	33	399.1		33	399.1 — 422.4				
412		468			50	60	37	400.1		37	400.1 — 423.4				
413		469			50	60	41	401.1		41	401.1 — 424.4				
414		470			50	60	45	402.1		45	402.1 — 425.4				
415		471			50	60	49	403.1		49	403.1 — 426.4				

60457 TEST FILE

Hours 150

LA' > SEISMIC RECORDING '81

PAGE 1 of 4



CLIENT: USGS	PROSPECT: Daily Tests FN472-480	AREA: NPPA	LINE NO. 37/81
PARTY NO. 1186	INST. ENG. Hammond		DATE: 3 DAY 24 YR 81

SHOTPOINT	TR. 1-25		TR. 26-50		SHOT		SPREAD		REMARKS	CORR. STACK									
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	COP SWITCH	LINE GROUPS		HT.	REC.	HT.	REC.		
15 410	87	25186	482		50	160	75				5	404.1	—	427.4	421	FN 481 TESTFILE			
417			483		50	160	75				9	405.1	—	428.4					
418			484		50	160	75				13	406.1	—	429.4					
419			485		50	160	75	20.0	E		17	407.1	—	430.4					
420			486		50	160	75	12.0	E		21	408.1	—	431.4					
421			487		50	160	75				25	409.1	—	432.4					
422			488		50	160	75				29	410.1	—	433.4					
423			489		50	160	75				33	411.1	—	434.4					
424			490		50	160	75				37	412.1	—	435.4					
425			491		50	160	75				41	413.1	—	436.4					
426			492		50	160	75				45	414.1	—	437.4					
427			493		50	160	75				49	415.1	—	438.4					
40 428			494		50	160	75				5	416.1	—	439.4	433				
429			495		50	160	75				9	417.1	—	440.4					
430			496		50	160	75				13	418.1	—	441.4					
431			497		50	160	75				17	419.1	—	442.4		FN 498 N/G			
432			499		50	160	75				21	420.1	—	443.4					
433			500		50	160	75				25	421.1	—	444.4					
434			501		50	160	75				29	422.1	—	445.4					
435			502		50	160	75				33	423.1	—	446.4					
436			503		50	160	75				37	424.1	—	447.4					
437			504		50	160	75	9.0	W		41	425.1	—	448.4					
438			505		50	160	75				45	426.1	—	449.4					
439			506		50	160	75				49	427.1	—	450.4					
30 440			507		50	160	75				5	428.1	—	451.4	445				
441			508		50	160	75				9	429.1	—	452.4					
442			509		50	160	75				13	430.1	—	453.4					
443			510		50	160	75				17	431.1	—	454.4					

LA' > SEISMIC RECORDING ' 06



CLIENT: **USGS**

PROSPECT: _____

AREA: **NPRA**

LINE NO: **37/81**



PARTY NO: **1186** INST. ENG: *Rammal*

DATE: **3 DAY 24 YR 91**

SHOTPOINT	TR 1		TR 2		SHOT		SPREAD		REMARKS	CORR. STACK								
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	CDP SWITCH	LINE GROUPS		HT	REC.	HT	REC.	
444	87259.6	511			50	60	75				21	432.1	—	455.4				
445		512			50	60	75				25	433.1	—	456.4				
446		513			50	60	75				29	434.1	—	457.4				
447		514			50	60	75				33	435.1	—	458.4				
448		515			50	60	75				37	436.1	—	459.4				
449		516			50	60	75	400	E		41	437.1	—	460.4				
450		517			50	60	75				45	438.1	—	461.4				
451	87259.6	518			50	60	75				49	439.1	—	462.4				
452	87259.7	520			50	60	75				5	440.1	—	463.4	457	FN 519 TEST FILE		
453		521			50	60	75				9	441.1	—	464.4				
454		522			50	60	75				13	442.1	—	465.4				
455		523			50	60	75				17	443.1	—	466.4				
456		524			50	60	75				21	444.1	—	467.4				
457		525			50	60	75				25	445.1	—	468.4				VENTED
458		526			50	60	75				29	446.1	—	469.4				
459		527			50	60	75				33	447.1	—	470.4				
460		528			50	60	75				37	448.1	—	471.4				
461		529			50	60	75				41	449.1	—	472.4				
462		530			50	60	75				45	450.1	—	473.4				
463		531			50	60	75				49	451.1	—	474.4				
464		532			50	60	75				5	452.1	—	475.4	469			
465		533			50	60	75				9	453.1	—	476.4				
466		534			50	60	75				13	454.1	—	477.4				
467		535			50	60	75				17	455.1	—	478.4				
468		536			50	60	75				21	456.1	—	479.4				TZ DEAD
469		537			50	60	75				25	457.1	—	480.4				
470		538			50	60	75				29	458.1	—	481.4				
471		539			50	60	150		E		33	459.1	—	482.4				

LA' S SEISMIC RECORDING '86



CLIENT: **USGS**

PROSPECT: _____

AREA: **NSPRA**

LINE NO. **37/81**



PARTY NO. **1186**

INST. ENG. **Hammond**

DATE: **3** MO **24** DAY **81** YR

SHOTPOINT	TR. 1-2		TR. 3-4		SHOT				SPREAD			REMARKS	CORE STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	LINE GROUPS		TR 1-48	TR 49-96			
														HT.	REC.	HT.	REC.
472 ²	272	540	22	23	50	160	37			37	460.1	—	473.4	469			
472 ³		541			50	160	75			41	461.1	—	484.4				
472 ⁴		542			50	160	75			45	462.1	—	485.4				
472 ⁵		543			50	160	75			49	463.1	—	486.4				
472 ⁶		544			50	160	75			5	464.1	—	487.4	481	VENTED		
472 ⁷		545			50	160	75			9	465.1	—	488.4				
472 ⁸		546			50	160	75			13	466.1	—	489.4				
472 ⁹		547			50	160	75			17	467.1	—	490.4				
480 ¹		548			50	175	90			21	468.1	—	491.4				
480 ²		549			50	160	75			25	469.1	—	492.4				
480 ³		550			50	175	90			29	470.1	—	493.4				
480 ⁴		551			50	160	75			33	471.1	—	494.4				
480 ⁵		552			50	175	90			37	472.1	—	495.4				
480 ⁶		553			50	160	75			41	473.1	—	496.4				
480 ⁷		554			50	160	75			45	474.1	—	497.4		VENTED		
480 ⁸		555			50	160	75			49	475.1	—	498.4				
480 ⁹		556			50	190	75			5	476.1	—	499.4	493	T 61 162 DUND T 60 NOISY		
480 ¹⁰		557			50	160	75			9	477.1	—	500.4		T 57 MUDY		
480 ¹¹		558			50	160	75			13	478.1	—	501.4				
480 ¹²		559			50	160	75			17	479.1	—	502.4				
480 ¹³		560			50	160	75			21	480.1	—	503.4				
480 ¹⁴		561			50	160	75			25	481.1	—	504.4				
480 ¹⁵		562			50	160	75			29	482.1	—	505.4				
480 ¹⁶		563			50	160	75			33	483.1	—	506.4				
480 ¹⁷		564			50	160	75			37	484.1	—	507.4		VENTED		
480 ¹⁸		565			50	160	75			41	485.1	—	508.4				
480 ¹⁹		566			50	160	75			45	486.1	—	509.4				
480 ²⁰		567			50	160	75			49	487.1	—	510.4				

LA') SEISMIC RECORDING ' 76



CLIENT: **USGS**

PROSPECT:

AREA: **NPRA**

LINE NO: **37/81**

PARTY NO: **1186**

INST. ENG: **Hammond**

DATE: **3** DAY **24** YR **81**

SHOTPOINT	TR 1-25		TR 26-50		SHOT		SPREAD		REMARKS	CORR. STACK						
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO	OFFSET		DIR.	CDP SWITCH	LINE GROUPS	HT	TR 1-48	TR 48-96	REC.
500	872597	568			50	60	75	5	488.1	—	511.4	505				
501		569			50	60	75	9	489.1	—	512.4					
502		570			50	60	75	13	490.1	—	513.4					
503		571			50	60	75	17	491.1	—	514.4					
504	872597	572			50	60	75	21	492.1	—	515.4					
505	872598	574			50	60	75	25	493.1	—	516.4					FNS73 TEST FILE
506		576			50	60	75	29	494.1	—	517.4					
507		576			50	60	75	33	495.1	—	518.4					
508		577			50	60	75	37	496.1	—	519.4					T 48 DEAD
509		578			50	60	75	41	497.1	—	520.4					
510		579			50	60	75	45	498.1	—	521.4					
511		580			50	60	75	49	499.1	—	522.4					T52 DEAD

LAP SEISMIC RECORDING LOG



CLIENT: **USGS**
 PARTY NO: **1186**

PROSPECT: **Hammond**

AREA: **NPRA**
 DATE: **3/25/81**

LINE NO: **37/81**
 DATE: **3/25/81**



Daily Tests 72 581-589

SHOTPOINT	TR. 10		TR. 10		SHOT		SPREAD		REMARKS	CORR. STACK						
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	CDP SWITCH	LINE GROUPS	TR. 1-28	TR. 48-96		
												HT.	REC.	HT.	REC.	
5112	812598	5911			50	160	75	110	N	5	500.1 — 523.4	517	FN 590 Test File			
5113		5912			50	160	75			9	501.1 — 524.4					
5114		5913			50	160	75			13	502.1 — 525.4					
5115		5914			50	160	75			17	503.1 — 526.4					
5116		5915			50	160	75			21	504.1 — 527.4					
5117		5916			50	160	75			25	505.1 — 528.4					
5118		5917			50	160	75			29	506.1 — 529.4					
5119		5918			50	160	75			33	507.1 — 530.4					
520		5919			50	160	75			37	508.1 — 531.4		JUMPED			
521		600			50	160	75	1100	W	37	508.1 — 531.4		CDP ERROR			
522		601			50	160	75			45	510.1 — 533.4					
523		602			50	160	75			49	511.1 — 534.4					
524		602			50	160	75			5	512.1 — 535.4	529				
525		604			50	160	75	1100	W	9	513.1 — 536.4					
526		605			50	175	90			13	514.1 — 537.4					
527		606			50	175	90			17	515.1 — 538.4					
528		607			50	175	90			21	516.1 — 539.4					
529		609			50	175	90			25	517.1 — 540.4		FN 608 Misfire			
530		6110			50	175	90			29	518.1 — 541.4					
531		6111			50	175	90			33	519.1 — 542.4					
532		6112			50	175	90			37	520.1 — 543.4					
533		6113			50	175	90			41	521.1 — 544.4					
534		6114			50	175	90			45	522.1 — 545.4		T4 Dead			
535		6115			50	175	90			49	523.1 — 546.4					
536		6116			50	175	90			5	524.1 — 547.4	541				
537		6117			50	175	90			9	525.1 — 548.4					
538		6118			50	175	90			13	526.1 — 549.4					
539		6119			50	175	90			17	527.1 — 550.4					

LAND SEISMIC RECORDING LOG



CLIENT: U.S.G.S.

PROSPECT:

AREA: NPRA

LINE NO: 37/81

PARTY NO: 1186

INST. ENG: Hammond / Cizek

DATE: MO 3 DAY 25 YR 81

SHOTPOINT	TR. 10		TR. 10		SHOT				SPREAD			REMARKS	CORE STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET	DIR.	COP SWITCH	LINE GROUPS		TR 1-40	TR 40-80	TR 80-90	TR 90-96	
														HT.	REC.	HT.	REC.
540		1620			50	75	90				21	528.1	551.4				
541		1621			50	75	90				25	529.1	552.4				
542		1622			50	75	90				29	530.1	553.4				
543		1623			50	75	90	1110	N.		33	531.1	554.4				
544		1624			50	75	90	2220	S.		37	532.1	555.4				
545		1625			50	75	90				41	533.1	556.4				
546		1626			50	75	90				45	534.1	557.4				
547		1627			50	75	90				49	535.1	558.4				
548		1628			50	75	90	1100	W		5	536.1	559.4	553			
549		1629			50	75	90				9	537.1	560.4				
550		1630			50	75	90				13	538.1	561.4				
551		1631			50	75	90				17	539.1	562.4				
552		1632			50	75	90				21	540.1	563.4				
553	872598	1633			50	75	90				25	541.1	564.4				
554	872599	1635			50	75	90				29	542.1	565.4				
555		1636			50	75	90				33	543.1	566.4				
556		1637			50	75	90				37	544.1	567.4				
557		1638			50	75	90				41	545.1	568.4				
558		1639			50	75	90				45	546.1	569.4				
559		1640			50	75	90				49	547.1	570.4	565			
560		1641			50	75	90				5	548.1	571.4				
561		1642			50	75	90				9	549.1	572.4				
562		1643			50	75	90				13	550.1	573.4				
563		1644			50	75	90				17	551.1	574.4				
564		1645			50	75	90				21	552.1	575.4				
565		1646			50	75	90				25	553.1	576.4				
566		1647			50	75	90				29	554.1	577.4				
567		1648			50	75	90				33	555.1	578.4				

Tape Change

FN 634 test file

LA' S SEISMIC RECORDING DG



CLIENT: U.S.G.S.

PROSPECT:

AREA: NPRA

LINE NO.: 37-81

PARTY NO.: 1186

INST. ENG.: Hammond / Cizek

Daily Test FN 662-670

DATE: MO 3 DAY 26 YR 81



SHOTPOINT	TR _____ to _____		TR _____ to _____		SHOT				SPREAD			REMARKS	CORR. STACK				
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET	DIR.	CDP SWITCH	LINE GROUPS		HT.	REC.	HT.	REC.	
581	872458	1672			50	7590				5	569.1 — 592.4	586					FN 671 test file
582		1673			50	7590				9	570.1 — 593.4						
583		1674			50	7590	200	N		13	571.1 — 594.4						
584		1676			50	7590	200	N		17	572.1 — 595.4						FN 675 miss fire
585		1677			50	7590				21	573.1 — 596.4						NO SPS
586		1678			50	7590	160	W		25	574.1 — 597.4						
587		1679			50	7590	160	S		29	575.1 — 598.4						
588		1680			50	7590				33	576.1 — 599.4						T 33 NOISE
589		1681			60	7590				37	577.1 — 600.4						
590		1682			50	7590				41	578.1 — 601.4						
591		1683			50	7590	160	N		45	579.1 — 602.4						
592		1684			50	7590				1	580.1 — 603.4	588					
593		1685			50	7590				5	581.1 — 604.4						
594		1686			50	7590				9	582.1 — 605.4						
595		1687			50	7590				13	583.1 — 606.4						
596		1688			50	7590				17	584.1 — 607.4						
597		1689			50	7590				21	585.1 — 608.4						
598		1690			50	7590				25	586.1 — 609.4						
599		1691			50	7590				29	587.1 — 610.4						
600		1692			50	7590				33	588.1 — 611.4						
601		1693			50	7590	100	E		37	589.1 — 612.4						
602	872458	1694			60	7590	100	W		41	590.1 — 613.4						
603	872460	1697			50	7590				45	591.1 — 614.4						FILE 695 & 696 TEST FILES
604		1698			50	7590				49	592.1 — 615.4						
605		1699			50	7590				5	593.1 — 616.4	510					
606		1700			50	7590				9	594.1 — 617.4						
607		1701			50	7590				13	595.1 — 618.4						
608		1702			50	7590				17	596.1 — 619.4						

LAND SEISMIC RECORDING LOG



CLIENT: U.S.G.S.

PROSPECT:

AREA: NPRA

LINE NO: 37-81

PARTY NO: 1186

INST. ENG: Hammond / Ozek

DATE: MO 3 DAY 26 YE 81

SHOTPOINT	TR. 10		TR. 10		SHOT				CDP SWITCH	SPREAD		REMARKS	FOUR STACK			
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	LINE GROUPS		TR 1-48	TR 49-96	TR 97-144	TR 145-192
6099	7103	7103	7103	7103	50	7590	35	37		21	597.1 - 620.4					
6100		7104			50	7590				23	598.1 - 621.4					
6101		7105			50	7590	160	S		29	599.1 - 622.4					
6102		7106			50	7590				33	600.1 - 623.4					
6103		7107			50	7590				37	601.1 - 624.4					
6104		7108			50	7590				41	602.1 - 625.4					
6105		7109			50	7590				45	603.1 - 626.4					
6106		7110			50	7590				49	604.1 - 627.4					
6107		7111			50	7590				5	605.1 - 628.4	522				
6108		7112			50	7590				9	606.1 - 629.4					
6109		7113			50	7590				13	607.1 - 630.4					
6200		7114			50	7590				17	608.1 - 631.4					
6201		7115			50	7590				21	609.1 - 632.4					
6202		7116			50	7590				25	610.1 - 633.4					
6203		7117			50	7590				29	611.1 - 634.4					
6204		7118			50	7590				33	612.1 - 635.4					
6205		7119			50	7590				37	613.1 - 636.4					
6206		7120			50	7590				41	614.1 - 637.4					
6207		7121			50	7590				45	615.1 - 638.4					
6208		7122			50	7590				49	616.1 - 639.4					
6209		7123			50	7590				5	617.1 - 640.4	539				
6300		7124			50	7590				9	618.1 - 641.4					
6301		7125			50	7590				13	619.1 - 642.4					
6302		7126			50	7590				17	620.1 - 643.4					
6303		7127			50	7590				21	621.1 - 644.4					
6304		7128			50	7590				25	622.1 - 645.4					
6305		7129			50	7590				29	623.1 - 646.4					
6306		7130			50	7590				33	624.1 - 647.4					

LA' > SEISMIC RECORDING JG



CLIENT: **USGS**

PROSPECT: _____ AREA: **NPPA**

LINE NO: **37/81**

PARTY NO: **1186** INST. ENG: **Hammel/Cigels Daily Tests FN 735-743**

DATE: **MO 3 DAY 27 YE 81**



SHOTPOINT	TR. _____		TR. _____		SHOT		SPREAD		REMARKS	CORR. STACK									
	REEL NO.	REC.	REEL NO.	REC.	SIZE	DEPTH	NO.	OFFSET		DIR.	CDP SWITCH	LINE GROUPS		HT.	REC.	HT.	REC.		
647	872600	745			50	75	90				5	629.1	—	652.4	640	FN 944 Test File			
647z		746			50	75	90				9	630.1	—	653.4					
648		747			50	75	90				13	631.1	—	654.4					
649		748			50	75	90				17	632.1	—	655.4					
649s		749			50	75	90				21	633.1	—	656.4					
646		750			50	75	90				25	634.1	—	657.4					
647		751			50	75	90				29	635.1	—	658.4					
648		752			50	75	90				33	636.1	—	659.4					
649	872600	753	CHANGE		50	75	90				37	637.1	—	660.4					
650	872601	755	TIME		50	75	90				41	638.1	—	661.4		754(FN) Test File			
651		756			50	75	90				45	639.1	—	662.4					
652		757			50	75	90				49	640.1	—	663.4					
653		758			50	75	90				5	641.1	—	664.4	658				
654		759			50	75	90				9	642.1	—	665.4					
655		760			50	75	90				13	643.1	—	666.4					
656		761			50	75	90				17	644.1	—	667.4					
657		762			50	75	90				21	645.1	—	668.4					
658		763			50	75	90				25	646.1	—	669.4					
659	872601	764			50	75	90				29	647.1	—	670.4					
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 10px;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; margin: 10px;"></div> <div style="border: 1px solid black; border-bottom: 1px solid black; width: 80px; height: 80px; margin: 10px;"></div> </div>																			