

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23 EXT.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Paved Rd		DATE MONTH 6 DAY 1 YEAR 85		CLIENT CUCORP		OB D. MOORE		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY			SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR -	TR -	TR 6				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE						
933	Pulse		1-6		Sec		876	48				B.O.T.	#876	#900	10sec	Allows								Alabama Etowah Co.
934/935	Flint		2-6		"																			No Gap 5 Vib 15' start 6' past flag
936/937	DRD		4-6		"																			75' spacing, 41.25' move up, 32 sec sweep
953/954	Sum	Test	2-6		"																			48 sec record, ALIAS 31.25 Hz, 10 → 32 sweep
960/961	NRS	Test	2-6		"																			freq, 8ms sample rate
932	similarity		1-32		"																			NOTE: STAs open due to DRIVEWAYS ARE: #1204, #1231, #1241, #1245, #1271, #1291
588	windstrip		1-48		sec	30																		sims taken on line with CAMERA
589	1275	1199			1294	30																		4ms sample rate 62.5 Hz
590	1276	1199			1294	30																		30%
589	1275	1199			1294	30																		60db
590	1276	1199			1294	30																		5 8 30%
591	1280	1199			1294	30																		8:40
592	1282	1199			1294	30																		Last half
593	1283	1199			1294	30																		First half
594	1289	1199			1294	30																		VPs #1277 thru #1279 skipped due to houses
595	1292	1199			1294	30																		VPs #1290 + #1291 skipped due to houses
596	1293	1199			1294	30																		VPs #1284 thru #1288 skipped due to houses
597	1294	1199			1294	30																		VPs #1290 + #1291 skipped due to houses
598	1295	1199			1294	30																		First half
599	1296	1199			1294	30																		First half
600	1297	1199			1294	30																		4 30%
601	1298	1199			1294	30																		10:00
602	1299	1199			1294	30																		VP #1294 skipped due to houses, E.O.L. #23

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CREW NO. 6834		LINE NO. 23 ext		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS PAVED Rd		DATE MONTH 5 DAY 31 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR 1	TR 2	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE		
933	Pulse		1-6		sec		873	48																ALABAMA CALHOUN Co.
934/935	EINT		2-6		"																			6 STA. Gap between 12+13 straggled, 2 open behind Vib + 3 open in front, 5 Vib 1st
936/939	DRD		4-6		"									Arrived	Field									STARTS 6' past flag, 75' spacing, 41.25' move
952/954	Sum		2-6		"																			ups, 32 sec sweep, 48 sec record, 8 sweep
960/961	NRS		2-6		"																			10 → 32 sweep feet, 8ms sample rate, ALIAS 31.25Hz
932	similarity		1-32		"																			NOTE: STAs. #1195 open due to 4-way inter, #1204
591	winds trip		1-48		sec	3																		open due to driveway, #1231 open due to driveway, #1241
555	1186	1172	1183	1190	1273	3										4	8	30%						open due to driveway, #1235 open to driveway, #1271
556	1187	1173	1184	1191	1274	4																		open to driveway + #1291 open to driveway
557	1188	1174	1185	1192	1275	5																		4 Vib 1st Vib START 32' past flag
558	1189	1175	1186	1193	1276	6																		NOTE: LATE START due to trouble shooting the line
559	1190	1176	1187	1194	1277	7										5		30%						NOTE: Vib down #25874 due to hyd. Leak
560	1191	1177	1188	1195	1278	8																		First HALF
561	1192	1178	1189	1196	1279	9																		VPS #1192 thru #1204 skipped due to houses
562	1204	1190	1201	1208	1291	21	873										4	30%						E.O.T. #873 Tape MKTs
563	1205	1191	1202	1209	1292	22	874	wind strip										60db						B.O.T. #874 #900 10sec ALL ones
564	1205	1191	1202	1209	1292	22											8	30%						
565	1206	1192	1203	1210	1293	23												30%						
566	1207	1193	1204	1211	1294	24												30%						NOTE: STA #1294 E.O.L.
567	1208	1199			1294	30												30%						Last HALF
568	1212	1199			1294	30												30%						STARTING STA. 1208 will be shaken every
569	1213	1199			1294	30												30%						other ONE LIVE STA. until E.O.L. C.D.P will
570	1214	1199			1294	30												30%						not change
571	1216	1199			1294	30												30%						
572	1218	1199			1294	30												30%						
573	1220	1199			1294	30												30%						
574	1222	1199			1294	30												30%						
575	1224	1199			1294	30												30%						
576	1226	1199			1294	30	874											30%						
577	1228	1199			1294	30	875	wind strip										60db						
578	1228	1199			1294	30												30%						
579	1229	1199			1294	30												30%						

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CREW NO. 6834		LINE NO. 23 ext.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLOUDY		TRAIL CONDITIONS PAVED Rd.		DATE MONTH 5 DAY 31 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
skip	1230	1199	---	1294	30	875	48								5	8	skip	1241					ALABAMA Etowah CO. NO GAP, VPs #1230 thru #1248 skipped due to houses
578	1249	1199	---	1294	30											4	30%						NOTE: Vibs on shoulder ea from Sta #1236 → Sta #1258
579	1250	1199	---	1294	30											8	30%						Last half
580	1251	1199	---	1294	30												30%						
581	1253	1199	---	1294	30												30%						Last half
skip	1254	1199	---	1294	30												skip						VPs #1254 thru #1259 skipped due to houses
582	1260	1199	---	1294	30												30%						Vibs now on Paved Rd.
583	1261	1199	---	1294	30												30%						
584	1262	1199	---	1294	30												30%						First half
skip	1263	1199	---	1294	30												skip						VPs #1263 + #1264 skipped due to houses
skip	1264	1199	---	1294	30												skip						
585	1265	1199	---	1294	30												30%						
586	1266	1199	---	1294	30												30%						
587	1267	1199	---	1294	30	875											30%						First half, E.D.T. #875 Tape MKTS
skip	1268	1199	---	1294	30												skip						VPs #1268 thru #1274 skipped due to houses
skip	1274	1199	---	1294	30												skip					3:00	



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GEO-252-D

CREW NO. 6834		LINE NO. 23 ext.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Paved Rd.		DATE MONTH 5 DAY 30 YEAR 85		CLIENT COCORP		OB D. Moore		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 2	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
534	1150	1136	1147	1154	1237	11	872	48			missed sweep	wind	strip				4	8	60db	1207			ALABAMA CALHOUN Co.
535	1150	1136	1147	1154	1237	1													30%				6 STA. Gap, B.O.T. #872 #900 10sec ALLOWES
Skip	1151	1137	1148	1155	1238	2													30%				Recorder move up between STA #1207 #1208
536	1158	1144	1155	1162	1245	9											4		30%				VPs #1151 thru #1157 skipped due to houses
Skip	1159	1145	1156	1163	1246	10													30%				Last HALF
537	1164	1150	1161	1168	1251	15		5 Vib	1 <sup>st</sup> STARTS	6' past	flag						5	8	30%				VPs #1159 thru #1163 skipped due to houses
538	1165	1151	1162	1169	1252	16													30%				Last HALF
539	1166	1152	1163	1170	1253	17													30%				NOTE: STA. #1211 open due to driveway
540	1167	1153	1164	1171	1254	18													30%				
541	1168	1154	1165	1172	1255	19													30%				
542	1169	1155	1166	1173	1256	20													30%				
543	1170	1156	1167	1174	1257	21													30%				
544	1171	1157	1168	1175	1258	22													30%				
Skip	1172	1158	1169	1176	1259	23													30%				VPs #1172 thru #1176 skipped due to houses
545	1177	1163	1174	1181	1264	28													30%				Last HALF
546	1178	1164	1175	1182	1265	29													30%				
547	1179	1165	1176	1183	1266	30													30%				First HALF
Skip	1180	1166	1177	1184	1267	31													30%				VP #1180 skipped due to house
548	1181	1167	1178	1185	1268	32	872												30%				E.O.T. #872 Tape MKTS
549	1182	1168	1179	1186	1269	33	873		wind	strip									60db				B.O.T. #873 #900 10sec ALLOWES
550	1182	1168	1179	1186	1269	33													30%				
551	1183	1169	1180	1187	1270	34													30%				
552	1184	1170	1181	1188	1271	35													30%				
553	1185	1171	1182	1189	1272	36													30%		440		

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GEO-252-D

CREW NO. 6834		LINE NO. 23 ext.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS PAVED Rd		DATE MONTH 5 DAY 28 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy				
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS					
		TR 1	TR 12	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS						DRIVE			
933	Pulse		1-6	sec		869	48																	ALABAMA C. ALHORN Co.		
934/935	EINT		2-6	"																				65+ A. GAP between 12+13 staggered		
936/939	DRD		4-6	"																				2 open behind Vib + 3 open in front		
953/954	Sum		2-6	"																				4 Vib 1st Vib starts 32' past flag, 75'		
960/961	NRS		2-6	"																				spacing, 41.25 move ups, 32sec sweep,		
932	SIMILARITY		1-32	"																				48sec record, 8 sweeps, Alias 31.25 Hz, 10 →		
497	WINDSTRIP		1-48	sec	2																			32 sweep freq, 8ms SAMPLE RATE		
498	1059	1045	1056	1063	1146	2																		NOTE: Vib down #23652 due to over heating		
499	1060	1046	1057	1064	1147	3																		NOTE: Late start due to error in Relaying		
SKIP	1061	1047	1058	1065	1148	4																		OUT MISSING SURVEY FLAGS. TRAIL MARKERS PULLED OUT		
SKIP	1062	1048	1059	1066	1149	5																		VPs #1061 + #1062 skipped due to houses		
500	1063	1049	1060	1067	1150	6																		NOTE: STAs #1140 open due to driveway +		
SKIP	1064	1050	1061	1068	1151	7																		#1149 open due to a bridge		
501	1069	1055	1066	1073	1156	12																		VPs #1064 thru #1068 skipped due to houses		
502	1070	1056	1067	1074	1157	13																		First half		
503	1071	1057	1068	1075	1158	14																		First half		
504	1072	1058	1069	1076	1159	15																		Last half		
505	1073	1059	1070	1077	1160	16																		Last half		
506	1074	1060	1071	1078	1161	17																				
507	1075	1061	1072	1079	1162	18																				
SKIP	1076	1062	1073	1080	1163	19																			VPs #1076 + #1077 skipped due to house + R/R cross	
SKIP	1077	1063	1074	1081	1164	20																				
508	1078	1064	1075	1082	1165	21	869																		Last half, E.O.T. #869 Tape MKTS	
SKIP	1079	1065	1076	1083	1166	22																				
509	1082	1068	1079	1086	1169	25	870	WINDSTRIP																		B.O.T. #870 #900 10sec ALLOnes
510	1082	1068	1079	1086	1169	25																			Last half	
SKIP	1083	1069	1080	1087	1170	26																			VPs #1083 thru #1091 skipped due to houses + R/R bridge	
511	1092	1078	1089	1096	1179	26																			Last half, Recorder move up to STA #1129 + #1130	
512	1093	1079	1090	1097	1180	22																				
SKIP	1094	1080	1091	1098	1181	23																				
513	1099	1085	1096	1103	1186	28																				
SKIP	1100	1086	1097	1104	1187	29																			VP #1100 SKIPPED due to house.	







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CREW NO. 6834		LINE NO. 23 ext		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS DIRT Rd.		DATE MONTH 5 DAY 25 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
933	Pulse		1-6	sec		866	48			B.O.T.	#866	#900	10sec	ALLONES										ALABAMA CALHOUN Co. NO GAP 4 Vibs 1st Vib START 32' past FLAP 75' SPACING 71.25' move ups
934/935	EINT		2-6	"																				
936/939	DRD		4-6	"																				ARRIVED Field 8:00 32 sec sweeps, 48 sec record, 8 sweeps
943/954	Sum		2-6	"																				ALIAS 31.25 Hz, 10 → 32 Hz sweep freq; 8ms sample rate
960/961	NRS		2-6	"																				
932	SIMILARTY		1-32	"																				SIMS TAKEN ON LINE WITH CAMERA NOTE: STAs. #848 open due to driveway, #855 open due to highway, #860 open due to creek
459	WINDSTRIP		1-48	sec	28																			4ms sample rate ALIAS 62.5 Hz
460	904	845	---	940	28										4	8	30%							Vibs will be shaken every other STA. #929 open due to gravel pit
461	906	845	---	940	28												30%							upto #940 on line str. C.D.P will not
462	908	845	---	940	28												30%							change No GAP NOTE: Line running under highway 9 STA. #849 + #850
463	910	845	---	940	28												50%							NOTE: Vib down #23652 over heating
464	912	845	---	940	28												50%							
465	914	845	---	940	28												50%							
466	916	845	---	940	28												50%							
467	918	845	---	940	28												50%							
468	920	845	---	940	28												50%							
469	922	845	---	940	28												50%							
470	924	845	---	940	28	866											50%							F.O.T. #866 Tape MKTS
471	926	845	---	940	28	867	windstrip										60%							B.O.T. #867 #900 10sec ALLONES
472	926	845	---	940	28												50%							
473	928	845	---	940	28												50%							
474	930	845	---	940	28												50%							
475	932	845	---	940	28												30%							
476	934	845	---	940	28												30%							
477	935	845	---	940	28												30%							
Skip	936	845	---	940	28												Skip							NOTE: STAs. #941 thru 984 skipped
Skip	940	845	---	940	28												Skip							due to the town of JACKSONVILLE the crew will be picking up line moving it to North of town

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CREW NO. 6834		LINE NO. 23 ext.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS DAVE & RD.		DATE MONTH 5 DAY 24 YEAR 85		CLIENT COCORP		OB D. Moore		PM B. Cassidy			
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR 1	TR 2	TR 13	TR 16				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
933	Pulse		1-6		sec		863	48																ALABAMA CALHOUN Co.	
934/935	EINT		2-6		"																			6 sta Gap between 12+13 staggered	
936/939	DRD		4-6		"																			Gap 2 open behind Vib + 3 open in front	
953/954	Sum Test		2-6		"																			5 Vib 1st Vib START 6' past flag 75'	
960/961	NRS Test		2-6		"																			spacing 41.25' move ups, 32 sec sweep,	
932	Similarity		1-32		"																			48 sec record, 8 sweep, Alias 31.25Hz, 107	
425	windstrip		1-48		sec	5																		32 Hz sweep freq, 8ms sample rate	
426	836	822	833	840	923	5																		sim's taken on line with camera	
427	837	823	834	841	924	6																		4ms sample rate Alias 62.5Hz	
428	838	824	835	842	925	7																		Las + HALF	
429	839	825	836	843	926	8																		5 8 30%	
430	840	826	837	844	927	9																		30%	
431	841	827	838	845	928	10																		60db	
SKIP	842	828	839	846	929	11																			30%
432	846	832	843	850	933	15	863																		VP's #842 thru #845 skipped due to houses
SKIP	847	833	844	851	934	16																			E.O.T. #863 Tape Mk's
433	852	838	849	856	939	21	864	windstrip																	VP's #847 thru #851 skipped due to houses
434	852	838	849	856	940	28																			B.O.T. #864 #900 10 sec ALLOnes
435	854	845			940	28																			NOTE: STA #936 open due to Rd. construction
SKIP	855	845			940	28																			VP's #855 + #556 skipped due to houses
SKIP	856	845			940	28																			Vib. #25874 down due to hyd. Leak
436	857	845			940	28																			4 Vib 1st Vib START 32' past flag
437	859	845			940	28																			4 Vib 1st Vib START 32' past flag
438	861	845			940	28																			30%
439	863	845			940	28																			30%
SKIP	864	845			940	28																			First HALF
440	868	845			940	28																			VP's #864 thru #867 skipped due to houses + well
441	870	845			940	28																			First HALF
442	871	845			940	28																			Vib #25874 down due to hyd. Leak
SKIP	872	845			940	28																			4 Vib 1st Vib START 32' past flag
SKIP	873	845			940	28																			4 Vib 1st Vib START 32' past flag
443	874	845			940	28																			5 Vib 1st Vib START 6' past flag

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CREW NO. 6834		LINE NO. 23 ext.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS DIRTY RD.		DATE MONTH 5 DAY 24 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS of "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
444	876	845	---	---	940 28	864	48								5	8	30%	889					ALABAMA CALHOUN Co.
445	878	845	---	---	940 28												30%						
446	880	845	---	---	940 28	864											30%						E.O.T. #864 Tape MKTS
447	882	845	---	---	940 28	865											60%						B.O.T. #865 #900 10sec ALLOWES
448	882	845	---	---	940 28												50%						
449	884	845	---	---	940 28												50%						
450	886	845	---	---	940 28												50%						
451	888	845	---	---	940 28												50%						
452	890	845	---	---	940 28												50%						
453	892	845	---	---	940 28												50%						
454	894	845	---	---	940 28												50%						
455	896	845	---	---	940 28												50%						
456	898	845	---	---	940 28												50%						
457	900	845	---	---	940 28												50%						
458	902	845	---	---	940 28	865											50%	2:50					E.O.T. #865 Tape MKTS

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23 EXT		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Paved Rd.		DATE MONTH 5 DAY 23 YEAR 85		CLIENT CoCORP		OB D. Moore		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 2	TR 3	TR 4				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
933	Pulse		1-6	sec		862	48			B.O.T.	#862	#900	10sec	ALLONES				861					ALABAMA CALHOUN Co.	
934/935	EINT		2-6	"																			GAP 2 open behind Vibst 3 open in front	
939/939	DRD		4-6	"										ARRIVED FIELD									5 Vib 1st Vib START 6' past FLAG, 75'	
953/954	Sum Test		2-6	"																			Spacing 41.25 move ups, 32 sec sweep	
960/961	NRS Test		2-6	"																			48 sec record, 8 sweep, ALIAS 31.25 Hz	
932	SIMILARITY		1-32	"																			10-32 Hz sweep freq, 8ms sample rate	
409	windstrip		1-48	sec	3																		NOTE: STA'S #809 open due to bridge,	
410	806	792	803	810	893	3																	#848 open due to driveway, #855 open	
411	807	793	804	811	894	4																	due to highway + #860 open due to creek	
412	808	794	805	812	895	5																	NOTE: Line running under Highway 9	
413	809	795	806	813	896	6																	STA. #849 + #850	
414	810	796	807	814	897	7																	4 Vib 1st Vib START 32' past FLAG	
415	811	797	808	815	898	8																	Vib #25874 down Hyd. Leak	
416	812	798	809	816	899	9																	Late START due to problem with Vibc	
417	813	799	810	817	900	10																		
418	814	800	811	818	901	11																		
419	815	801	812	819	902	12																		
420	816	802	813	820	903	13	862																	E.O.T. #862 TAPE MKTS
421	817	803	814	821	904	14	863	windstrip																B.O.T. #863 #900 10sec ALLONES
422	817	803	814	821	904	14																		
423	818	804	815	822	905	15																		
424	819	805	816	823	906	16																		
Skip	820	806	817	824	907	17																		FIRST HALF
Skip	835	828	832	839	922	32																		VP'S #820 thru #821's Kipped due to houses

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

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CREW NO. 6834		LINE NO. 23 EXT.		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Dirt Rd.		DATE MONTH 5 DAY 22 YEAR 85		CLIENT COCORP		OB D. MOORE		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 2	TR 3	TR 4				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
933	PULSC		1-6		Sec		858	48			B.O.T.	#856	#900	10sec	ALLONES									ALABAMA CALHOUN Co.
934/935	EINT		2-6		"																			6 STA. GAP between 12+13 staggered
936/939	DRD		4-6		"																			Gap 2 open behind 0 lbs + 3 open in front
953/954	SUM Test		2-6		"										ARRIVED field									5 Vibs 1st Vib STAR + 6' past flag, 75'
960/961	NRS Test		2-6		"																			spacing, 41.25' move ups, 32 sec sweeps
932	SIMILARITY		1-32		Sec																			48 sec Record, 8 sweeps, Alias 31.25 Hz
359	WINDSTRIP		1-48		sec																			10-32 Hz sweep flag, 8ms sample rate
360	757	743	754	761	844																			NOTE: STA #809 open due to Bridge +
361	758	744	755	762	845																			#848 open due to driveway + #855 open
362	759	745	756	763	846																			due to highway + #860 open due to creek
363	760	746	757	764	847																			NOTE: Line running under Highway 9
364	761	747	758	765	848																			STA #849 + #850
365	762	748	759	766	849																			
366	763	749	760	767	850																			
367	764	750	761	768	851																			
368	765	751	762	769	852																			
369	766	752	763	770	853																			
370	767	753	764	771	854		858																	E.O.T. #858 Tape MKTS
371	768	754	765	772	855		859	windstrip																B.O.T. #859 #900 10sec ALLONES
372	768	754	765	772	855																			
373	769	755	766	773	856																			
374	770	756	767	774	857																			
375	771	757	768	775	858																			
376	772	758	769	776	859																			
377	773	759	770	777	860																			
378	774	760	771	778	861																			
379	775	761	772	779	862																			
380	776	762	773	780	863																			
381	777	763	774	781	864																			
382	778	764	775	782	865																			
383	779	765	776	783	866																			
384	780	766	777	784	867		859																	E.O.T. #859 TAPE MKTS





# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS PAVED Rd.		DATE MONTH 5 DAY 7 YEAR 85		CLIENT COCORP		OB MOORE		PM B. Cassidy				
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS					
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS								DRIVE	
433	Pulse		1-6		SEC		835	48																ALABAMA CIEBURNE CO.		
934/935	Eint		2-6		"																			USGAP Vibrs shaking on live stars to E.O.L. 4 Vibrs 1st Vib starts 32' past flag		
936/939	DRD		4-6		"										Arrive field									75' spacing, 41.25' MOVE UPS, 32 SEC SWEEP		
953/954	Sum test		2-6		"																			48 SEC RECORD, 8 SWEEPS, Alais 31.25 Hz		
960/961	NRJ test		2-6		"																			10-73 Hz SWEEP FREQ. 8ms SAMPLE RATE		
932	Similarity		1-32		"				Sims taken through line with CAMERA								10%							Vib # 15382 down hosted RELIEF VALUE		
312	Windstrip		1-48		SEC	35			4ms SAMPLE RATE Alais 62.5								60db									
313	693	648	-	743	35											4	8	30%								
314	695	648	-	743	35													30%								
315	697	648	-	743	35													30%								
316	699	648	-	743	35	835												30%							E.O.T. #835 Tape Mkts	
317	701	648	-	743	35	836			windstrip									60db							B.O.T. #836 #900 10 sec ALL ones	
318	701	648	-	743	35													30%								
319	703	648	-	743	35													30%								
320	705	648	-	743	35													30%								
321	707	648	-	743	35													30%								
322	709	648	-	743	35													30%								
323	711	648	-	743	35													30%								
324	713	648	-	743	35													30%								
325	715	648	-	743	35													30%								
326	717	648	-	743	35													30%								
327	719	648	-	743	35													30%								
328	721	648	-	743	35													30%								
329	723	648	-	743	35													30%								
330	725	648	-	743	35	836												30%							E.O.T. #836 Tape Mkts	
331	727	648	-	743	35	837			windstrip (light blast on windstrip)								60db								B.O.T. #837 #900 10 sec ALL ones	
332	727	648	-	743	35													50%								Vibrs on dirt road
333	729	648	-	743	35													50%								
334	731	648	-	743	35													50%								
335	733	648	-	743	35													50%								Thunder, light Rain is falling now
336	735	648	-	743	35													50%								NOTE: UPS # 738 thru 743 skipped due
337	737	648	-	743	35											4		50%								to RAIN + thunder.

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D		LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB	PM													
CREW NO. 6834	LINE NO. 23	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS SHOULDER	DATE MONTH 5	DAY 6	YEAR 85	CLIENT COCORP	OB O. MOORE	PM B. Cassidy														
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN	PARITY			SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS					
		TR 1	TR 12	TR 13	TR 14			RAMPS or "K"	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE									
933	Pulse		1	6	SEC		833	48			B.O.T. #833							10	SEC	ALLOWES	685		SPLIT SPREAD	ALABAMA CIEBURNE CO.			
934/935	EINT		2	6	"																				GAP 2 OPEN BEHIND Vibs + 3 OPEN IN FRONT		
936/939	DRD		4	6	"																8:20			5 Vibs 1st Vib starts 6' past flag 75'			
953/954	SUM	TEST	2	6	"																				spacing, 41.25' MOVE UPS, 32 SEC SWEEP,		
960/961	NRS	TEST	2	6	"																				48 SEC RECORD, 8 SWEEPS ALAIS 31.25 Hz		
932	Similarity		1	32	"																11:30			10 → 32 Hz SWEEP FREQ, 8ms SAMPLE RATE.			
281	Windstrip		1	48	SEC	20					4ms														Sample RATE ALAIS 62.5		
282	647	633	644	651	734	20					2														5 1 60db		
283	648	634	645	652	735	21																			8 30%		
284	649	635	646	653	736	22					1														30%		
285	650	636	647	654	737	23					3														30%		
286	651	637	648	655	738	24					1														30%		
287	652	638	649	656	739	25																				30%	
288	653	639	650	657	740	26																				30%	
289	654	640	651	658	741	27																				30%	
290	655	641	652	659	742	28																				30%	
291	656	642	653	660	743	29	833																			NOTE: STA # 743 F.O.L. # 23	
292	657	648	649	650	743	35	834																			F.O.T. #833 TAPE MKTS	
293	657	648	649	650	743	35																				B.O.T. 834 #900 10 SEC ALLOWES	
294	659	648	---	---	743	35																				Windstrip	
295	661	648	---	---	743	35																				Starting with VP 657 Vibs	
296	663	648	---	---	743	35																				Will shake EVERY OTHER ONE	
297	665	648	---	---	743	35																				ON LIVE STAS TO F.O.L. # 743	
298	667	648	---	---	743	35																				NO CAP, CDP WILL NOT CHANGE	
299	669	648	---	---	743	35																					
300	671	648	---	---	743	35																					
301	673	648	---	---	743	35																					
302	675	648	---	---	743	35																					
303	677	648	---	---	743	35																					
304	679	648	---	---	743	35																					
305	681	648	---	---	743	35	834																				30%
306	683	648	---	---	743	35	835																				E.O.T. #834 TAPE MKTS.
																											B.O.T. #835 #900 10 SEC ALLOWES







# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Dirt Road		DATE MONTH 4 DAY 30 YEAR 85		CLIENT COCORP		OB R. Patton		PM B. Cassidy			
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS of "K"	PARITY TAPE	MEMORY	SIZE	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR							TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
933	PULSE		1	6	sec		828	48																ALABAMA Cleburne CO. 6 station Gap Between 12 + 13 5 mag	
934/935	EINT		2	"	"																			End Gap 2 open behind vibs + 3 open in front	
936/939	DRD		4	"	"																			5 Vibs 1st Vib starts 6' past Flag 75	
953/954	Sum TEST		2	"	"																			spacing, 41.25' moveups, 32 sec sweep,	
960/961	NRT TEST		2	"	"																			48 sec Record, 8 sweeps, Alias 31.25Hz	
932	Similarity		1	32	sec											4	1	308						10-732Hz Sweep Freq, 8ms Sample Rate.	
221	Windstrip		1	48	sec	1																		4ms Sample Rate Alias 62.5	
222	560	546	557	564	647	1											4	8	50%					line crossing RR tracks @ # 587 + 588	
223	561	547	558	565	648	2													50%					STA # 598 OPEN due to hi way # 78	
224	562	548	559	566	649	3													50%					Vib # 15382 Down REAR END PROBLEMS	
225	563	549	560	567	650	4													50%					4 Vibs 1st vib starts 32' past flag	
226	564	550	561	568	651	5	828												50%					light blast on sweep # 2 UP # 563	
227	565	551	562	569	652	6	829												50%					E.O.T. # 828 TAPE MKTS	
228	565	551	562	569	652	6													50%					B.O.T. # 829 # 900 10 SEC 11 ONES	
229	566	552	563	570	653	7													50%						
230	567	553	564	571	654	8													50%						
231	568	554	565	572	655	9													50%						
232	569	555	566	573	656	10													50%						
233	570	556	567	574	657	11													50%						
234	571	557	568	575	658	12													50%						
235	572	558	569	576	659	13													50%						
236	573	559	570	577	660	14													50%						
237	574	560	571	578	661	15													50%						
238	575	561	572	579	662	16													50%						
239	576	562	573	580	663	17													50%						
240	577	563	574	581	664	18	829												50%						E.O.T. # 829 TAPE MKTS
241	578	564	575	582	665	19	830												50%						B.O.T. # 830 # 900 10 SEC 11 ONES
242	578	564	575	582	665	19													50%						
243	579	565	576	583	666	20													50%						
244	580	566	577	584	667	21													50%						
245	581	567	578	585	668	22													50%						
246	582	568	579	586	669	23													50%						

NOTE: No Daily TEST due to ARRIVE FIELD  
problems with FG DIA CARD.



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Shady		DATE MONTH 4 DAY 29 YEAR 85		CLIENT COCORP		OP R. Patton		PT B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY	SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 12	TR 13	TR 96					SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
933	Pulse		1	6	sec		826	48										587					FLABAMA Cleburne Co	
934/935	EINT		2	"	"																		6 STATION Gap Between 12 & 13 STATIONS	
936/939	DRD		4	"	"																		Gap 20 feet behind vibs + 3 open in front	
953/954	Sum Test		2	"	"																		5 Vibs 1st Vib starts 6' past Flag 75	
960/961	NRS Test		2	"	"																		Spacing, 41.25' move ups, 32 sec sweep, 48 sec Record, 8 sweeps, Alias 30 to 25 Hz	
932	Similarity		1	32	sec										4	1	30%				11:20		10 → 32 Hz Sweep Freq, 8 ms Sample Rate	
187	windstrip		1	48	sec	238																	4 ms Sample Rate Alias 62.5	
188	527 513	524	531	614	238													50%			11:45		STA#536 OPEN DUE TO GRAVED DRIVE WAY	
189	528 514	525	532	615	239													50%					STA#598 OPEN DUE TO HWY #78	
190	529 515	526	533	616	240													50%					TRAIN ON FRONT OF LINE UP# 189	
191	530 516	527	534	617	1													30%					CABLE CROSSING A PAVED RD. @ #543 + 544	
192	531 517	528	535	618	2													30%					Vib# 15 382 still down, REAR END PROBLEMS	
193	532 518	529	536	619	3													30%					4 Vibs 1st Vib starts 32' past flag.	
194	533 519	530	537	620	4													50%					LINE CROSSING RR TRACKS @ #587 + 588	
195	534 520	531	538	621	5													30%						
196	535 521	532	539	622	6													50%						
197	536 522	533	540	623	7													50%						
198	537 523	534	541	624	8	826												30%					F.O.T. # 826 TAPE MKTS	
199	538 524	535	542	625	9	827												60%					B.O.T. # 827 # 900 10 SEC ALLOWES	
200	538 524	535	542	625	9													30%						
201	539 525	536	543	626	10													30%						
202	540 526	537	544	627	11													30%					First halt	
Skip	541 527	538	545	628	12													Skip						UP# 541 + 542 SHIPPED DUE TO A LOOK OUT TOWER
Skip	542 528	539	546	629	13													Skip						
203	543 529	540	547	630	14													30%						last half Vibs ARE BACK ON A dirt Rd.
204	544 530	541	548	631	15													50%						
205	545 531	542	549	632	16													50%						
206	546 532	543	550	633	17													50%						
207	547 533	544	551	634	18													50%						
208	548 534	545	552	635	19													50%						
209	549 535	546	553	636	20													50%						
210	550 536	547	554	637	21													50%						

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS DIRTY RD		DATE MONTH 4 DAY 29 YEAR 85		CLIENT COCORP		OP R. PATON		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 12	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
211	551	537	548	555	638	22	827	48								4	8	50%	587			Alabama, Cleburne Co.	
212	552	538	549	556	639	23	827											50%				E.O.T. # 827 Tape Mkts.	
213	553	539	550	557	640	24	828		Windstrip									60db				B.O.T. # 828 # 900 10 SEC WIL OVES	
214	553	539	550	557	640	24												30%					
215	554	540	551	558	641	25												50%					
216	555	541	552	559	642	26												50%					
217	556	542	553	560	643	27												50%					
218	557	543	554	561	644	28												50%					
219	558	544	555	562	645	29												50%					
220	559	545	556	563	646	30												50%		4:45			



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 28 YEAR 85		CLIENT COCORP		OB R. Patton		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY MISSED SWEEPS	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 12	TR 13	TR 96						SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE	
173	507	493	504	511	594	24	825	48							4	8	60%	541			Alabama, Cleburne Co.		
174	507	493	504	511	594	24											30%				6 Sta Gap B.O.T. #825 #900 10 sec 4110VES		
175	508	494	505	512	595	25											50%				Cable crossing #PAVED rd @ 542 + 543		
176	509	495	506	513	596	26											50%						
177	510	496	507	514	597	27											50%						
178	511	497	508	515	598	28											50%						
179	512	498	509	516	599	29											30%				First half		
Skip	513	499	510	517	600	30											Skip				VP#513 thru 515 Skipped due to houses.		
180	516	502	513	520	603	33											30%				Last half		
181	517	503	514	521	604	34									4		30%				First half		
Skip	518	504	515	522	605	35											Skip				VP#518 thru 521 Skipped due to houses.		
182	522	508	519	524	609	39											8	30%					
183	523	509	520	527	610	40											50%						
184	524	510	521	528	611	41											50%						
185	525	511	522	529	612	42											50%						
186	526	512	523	530	613	43	825										50%	3:30			E.O.T. #825 TAPE MKTS.		



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 26 YEAR 85		CLIENT COCORP		OB R. Patton		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 12	TR 13	TR 46				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
136	423	409	420	427	510	37	822	48							4	8	50%	444					6 sta. GAP
137	424	410	421	428	511	38			1								50%						
138	425	411	422	429	512	39											30%						First halt
Skip	426	412	423	430	513	40											skip						UP# 426 SKIPPED DUE A HOUSE
139	427	413	424	431	514	41											30%						low drive + 1st halt
140	428	414	425	432	515	42											50%						
141	429	415	426	433	516	43											50%						
142	430	416	427	434	517	11											50%	477					Moved RECORDER up to STA# 477+478
143	431	417	428	435	518	12											50%						
144	432	418	429	436	519	13			1								50%						
145	433	419	430	437	520	14											50%						STA# 536 OPEN DUE TO A DRIVE WAY.
146	434	420	431	438	521	15			1								50%						
147	435	421	432	439	522	16	822										30%						First halt E.O.T. # 822 TAPE MKTS.
Skip	436	422	433	440	523	17											skip						UP# 436 thru 447 SKIPPED DUE TO HOUSES.
148	448	434	445	452	535	29	823		Windstrip								60%						B.O.T. # 823 #900 10 SEC ALLOWES
149	448	434	445	452	535	29											30%						Vibs ARE shaking on paved rd UP# 448
150	449	435	446	453	536	30											30%						
151	450	436	447	454	537	31			1								30%						
Skip	451	437	448	455	538	32											skip						VP# 451 thru 456 SKIPPED DUE TO HOUSES.
152	457	443	454	461	544	38											30%						1st halt
153	458	444	455	462	545	39											30%						
154	459	445	456	463	546	40											30%						First halt
Skip	460	446	457	464	547	41											skip		4:10				UP# 460 thru 466 SKIPPED DUE TO HOUSES.
Skip	466	452	463	470	563	-											skip						



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 25 YEAR 85		CLIENT COCORP		OBR. Patton		PM B. Cassidy			
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR 1	TR 12	TR 13	TR 16				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
102	354	340	351	358	441	13	819	48								5	8	30%	399					SPLIT SPREAD	GEORGIA, CARROLL CO. & ALABAMA, CLEBURNE CO.
103	355	341	352	359	442	14												30%							
Skip	356	342	353	360	443	15												Skip							
Skip	357	343	354	361	444	16												Skip							VPs # 356 + 357 Skipped due to a house
104	358	344	355	362	445	17												30%							last halt
105	359	345	356	363	446	18												30%							
106	360	346	357	364	447	19												30%							
Skip	361	347	358	365	448	20												Skip							VPs 361 thru 363 Skipped due to houses
107	364	350	361	368	451	23												30%							
108	365	351	362	369	452	24												30%							
Skip	366	352	363	370	453	25												Skip							
109	372	358	369	376	459	31	819											30%							last half E.O.T. # 819 TAPE MKTS.
110	373	359	370	377	460	32	820		Windstrip									60%							B.O.T. # 820 # 900 10 SEC ALLOWES
111	373	359	370	377	460	32											4	30%							first halt, light blast on sweep # 2
Skip	374	360	371	378	461	33												Skip							
112	381	367	378	385	468	40												30%							
Skip	382	368	379	386	469	41												Skip							
Skip	394	376	387	394	477													Skip			4:30				VPs # 382 thru 394 Skipped due to houses.





# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 23 YEAR 85		CLIENT COCORP		OB R. Patton		PM B. Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 12	TR 13	TR 16				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
933	Pulse		1	6	SEC		813	48																GEORGIA HEARD + CARROLL COS.
934/935	EINT		2	"	"																			6 STAS AP BETWEEN 12+13 STAGGERED
936/939	DRD		4	"	"																			GAP 2 OPEN BEHIND Vibs + 3 OPEN IN TROUT
953/954	SUM TEST		2	"	"																			5 Vibs 1st Vib starts 36' past flag 75'
960/961	NRTS TEST		2	"	"																			SPRING, 41.25' MOVE UPS, 32 SEC SWEEP
932	Similarity		1	32	SEC																			48 SEC RECORD, 8 SWEEPS, ALMS 31.25 Hz
021	Windstrip		1	48	SEC	7																		10 → 32 Hz SWEEP FREQ, 8ms SAMPLE RATE
022	53	39	50	57	140	7																		4ms Sample Rate 62.5
023	54	40	51	58	141	8																		8 30%
024	55	41	52	59	142	9																		50%
025	56	42	53	60	143	10																		50%
Skip	57	43	54	61	144	11																		30%
026	58	44	55	62	145	12																		UP # 57 SKIPPED DUE TO A BRIDGE
027	59	45	56	63	146	13																		last halt
Skip	60	46	57	64	147	14																		First halt
Skip	61	47	58	65	148	15																		UPs # 60+61 SKIPPED DUE TO HOUSES
028	62	48	59	66	149	16																		30%
Skip	63	49	60	67	150	17																		last halt
Skip	64	50	61	68	151	18																		UPs # 63+64 SKIPPED DUE TO A HOUSE
029	65	51	62	69	152	19																		Vib # 25874 Down, Hyd. LEAK
030	66	52	63	70	153	20																		4 Vibs 1st vib starts 32' past flag
031	67	53	64	71	154	21																		50%
032	68	54	65	72	155	22	813																	E.O.T. # 813 Tape Mkts
033	69	55	66	73	156	23	814																	Windstrip
034	69	55	66	73	156	23																		60%
Skip	70	56	67	74	157	24																		30%
035	80	66	77	84	167	34																		First halt
036	81	67	78	85	168	35																		UPs 70+thru 79 SKIPPED DUE TO HOUSES.
037	82	68	79	86	169	36																		30%
Skip	83	69	80	87	170	37																		30%
038	86	72	83	90	173	40																		last halt
Skip	87	73	84	91	174	41																		UPs # 83+thru 85 SKIPPED DUE TO HOUSES
																								30%
																								First halt
																								UPs # 87+thru 89 SKIPPED DUE TO HOUSES

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 23 YEAR 85		CLIENT COCORP		OB' R. Patton		PM B. Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 12	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS						DRIVE
039	90	76	87	94	177	2	814	48								4	8	30%	146			GEORGIA CARROLL CO	
040	91	77	88	95	178	3												30%				6sta GMP MOVED RECORDER TO 146+147	
041	92	78	89	96	179	4												30%				last halt	
042	93	79	90	97	180	5												30%					
Skip	94	80	91	98	181	6												Skip				VPs # 95+96 Skipped due to houses.	
Skip	95	81	92	99	182	7												Skip					
043	96	82	93	100	183	8												30%					
044	97	83	94	101	184	9												50%					
045	98	84	95	102	185	10												50%					
046	99	85	96	103	186	11												30%					
047	100	86	97	104	187	12	814											4	30%			E. O. T. # 814 TAPE MKTS	
Skip	101	87	98	105	188	13												Skip				VPs # 101+102 Skipped due to houses	
Skip	102	88	99	106	189	14												Skip					
048	103	89	100	107	190	15	815		Windstrip									4	60db			B. O. T. # 815 # 900 10 SEC W/ DUES	
049	103	89	100	107	190	15												4	30%				
Skip	104	90	101	108	191	16												Skip				VPs # 104 thru 111 skipped due to houses	
050	112	98	109	116	199	24												8	30%			last halt	
051	113	99	110	117	200	25												50%				STAs # 216+217 OPEN due to a bridge.	
052	114	100	111	118	201	26												50%					
053	115	101	112	119	202	27												30%				First halt	
Skip	116	102	113	120	203	28												Skip				VPs # 116 thru 121 Skipped due to houses.	
054	122	108	119	126	209	34												30%				last halt	
055	123	109	120	127	210	35												30%					
Skip	124	110	121	128	211	36												Skip				VPs # 124 thru 134 Skipped Houses	
Skip	134	120	131	138	221	—												Skip		3:45			

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 23		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS SHOULDER		DATE MONTH 7 DAY 22 YEAR 85		CLIENT CCORP		OB R. PATTON		PM B. CLASSIDY		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES				INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR 2	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE						
933	PULSE		1-6	SEC		811	48																	GEORGIA HEARD + CARROLL CO.
934/935	EINT		2-"	"																				GAP 2 OPEN BEHIND VIBS + 3 OPEN IN FRONT
936/939	DRD		4-"	"																				GAP 2 OPEN BEHIND VIBS + 3 OPEN IN FRONT
953/954	SUM + EST		2-"	"																				4 VIBS 1st vib STARTS 32' PAST FLAG, 75' SPACING, 41.25' MOVE UPS 32 SEC SWEEP
960/961	NRJ + EST		2-"	"																				4.8 SEC RECORD, 8 SWEEPS ALWIS 31.25 Hz.
972	SIMILARITY		1-32	"																				10732 SWEEP FREQ 8ms SAMPLE RATE.
001	Windstrip		1-48	"	4																			4ms SAMPLE RATE 625
002	012	-	9	16	99	4																		60db
Skip	013	-	10	17	100	5																		30%
Skip	014	-	11	18	101	6																		30%
003	015	1	12	19	102	7																		30%
004	16	2	13	20	103	8																		30%
005	17	3	14	21	104	9																		30%
006	18	4	15	22	105	10																		30%
Skip	19	5	16	23	106	11																		30%
007	22	8	19	26	109	14																		30%
008	23	9	20	27	110	15																		50%
009	24	10	21	28	111	16																		50%
010	25	11	22	29	112	17																		30%
Skip	26	12	23	30	113	18																		30%
011	29	15	26	33	116	21	811																	30%
012	30	16	27	34	117	22	812																	Windstrip
013	30	16	27	34	117	22																		60db
014	31	17	28	35	118	23																		30%
015	32	18	29	36	119	24																		30%
016	33	19	30	37	120	25																		30%
Skip	34	20	31	38	121	26																		30%
017	38	24	35	42	125	30																		30%
Skip	39	25	36	43	126	31																		30%
018	48	34	45	52	135	40																		30%
Skip	49	35	46	53	136	41																		30%
019	51	37	48	55	138	43																		30%

8





This cover sheet must be completed at the beginning of each line, or when parameters change.

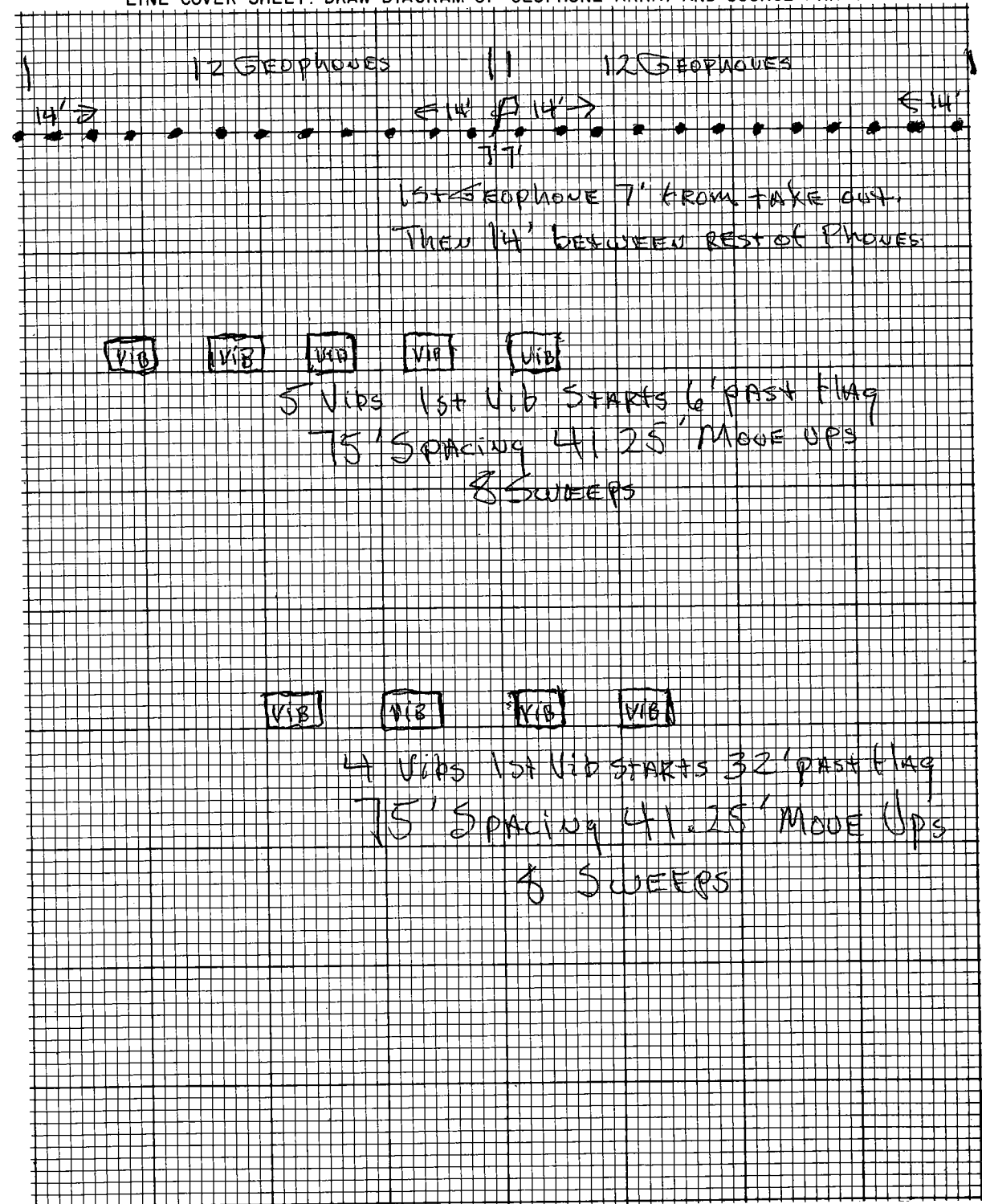
GENERAL			
Crew No.	6834	Contract No.	799
Client	CUCORP		
Area	GEORGIA		
County	HEARD + CARROLL		
State	GEORGIA		
Party Mgr.	B. Cassidy OB/JOR. Patton		
Line No.	23	Date Start of Line	4-22-85
Sta. Int.	330'	Feet Meters	Fold 4800%
Spread Dimensions	1-12 <sup>6 STA.</sup> 13-96		
VP's Increase	N	E	S W
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	S → N		

GEOPHONES			
Manufacture	MDS-100	Array Length	322'
Frequency	8 Hz	Array Width	1/1 LINE
No. per string per trace	2-12	Array Centered	<input checked="" type="checkbox"/>
Separation String Connected	Ser <input type="checkbox"/> Par <input checked="" type="checkbox"/>	Coil Res.	335 Ohms
Connected at Sta	Ser <input type="checkbox"/> Par <input checked="" type="checkbox"/>	Shunt Res.	String Phone
		Separation between elements in the array	14.34'
			14'

RECORDING SYSTEM	
Type:	MDS-10
Format:	SEG-B
No. of Channels:	96
Sample Rate:	8 ms
Record Length:	48 SEC
BPI:	800
Low-Cut Filter	Freq: OUT Slope: OUT
High-Cut Filter	Freq: A155 31.25K Slope: OUT
Static Filter	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
Notch Filter	60 Hz In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
UH Ch. On Tape	Wireline On Tape N/A Radio On Tape N/A
Sweep Ch. On Tape	Aux 2 Galvo 50 Aux 4 Galvo 52

ENERGY SOURCE		
Type:	4x 1100's VIBS 1x 900 VIB	
Manufacturer:	GEORGE F. FRIEDING	
Source Control:	RCV-310	
Dynamite	Holes/Shotpoint:	N/A
	Charge/Shotpoint:	N/A
	Pattern Length:	N/A Feet Meters
Surface Source	Array Length:	489' Feet Meters
	No. of drops, sweeps, etc. in array:	8
	Sweep Freq:	10 → 32 Hz
	Sweep Length:	32 SEC
	Unit Separation:	5 VIBS 75' Feet Meters
	Unit Moveup:	41.25' Feet Meters
Array Centered:	Across Sta <input checked="" type="checkbox"/> Between Sta <input type="checkbox"/>	

LINE COVER SHEET: DRAW DIAGRAM OF GEOPHONE ARRAY AND SOURCE ARRAY



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes  No  Invalid Channels: