

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Dirt Rd		DATE MONTH 4 DAY 14 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 REEL SECT 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							
Skip	594	580	591	598	681	40	796	48																Georgia Crawford Co.	
Skip	595	581	592	599	682	41																		UPs 594 + hr 596 Skipped due to houses.	
Skip	596	582	593	600	683	42																			
386	597	583	594	601	684	43																			
387	598	584	595	602	685	27																			
388	599	585	596	603	686	28																			
389	600	586	597	604	687	29																			
390	601	587	598	605	688	30																			
391	602	588	599	606	689	31	796																		
392	603	589	600	607	690	32	797		Wind strip																E.O.T. # 796 TAPE MKRS. B.O.T. 797 # 900 10 SEC ALLOWES
393	603	589	600	607	690	32																			
394	604	590	601	608	691	33																			
395	605	591	602	609	692	34																			
396	606	592	603	610	693	35																			
397	607	593	604	611	694	36																			
398	608	594	605	612	695	37																			
399	609	595	606	613	696	38																			
400	610	596	607	614	697	39																			
401	611	597	608	615	698	40																			
402	612	598	609	616	699	41																			
403	613	599	610	617	700	42																			
404	614	600	611	618	701	43	797		E.O.T. TAPE MKRS.																STA # 701 is E.O.L. # 21

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CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy + wet		TRAIL CONDITIONS Dry Rd.		DATE MONTH 4 DAY 13 YEAR 85		CLIENT COCORP		OP 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 Misses Sweeps	SHOOTING				SUR. SOURCES				INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 2	TR 3	TR 4							SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
933	Pulse		1	6			793	48			B.O.T. # 793	# 900	10 SEC	ALL ONES			559						Georgia Macon Co + Peach Co	
934/935	EINT		2	"	"																		6 station gap between 12 + 13 JITTERY	
936/939	DRD		4	"	"										ARRIVE FIELD			7:50					gap 2 open 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, 4/125' move ups, 32 sec sweep	
932	Similarity		1	32							3ms taken through line with camera	4	1	30%			8:45						48 sec Record, 8 sweeps, Alias 3/125ms	
345	windstrip		1	48		13					4ms sample rate	Alias	62.5										10 -> 32hz Sweep Freq, 8ms sample rate	
346	514	500	511	518	601	13																	STA # 527 open due to a pond	
skip	515	501	512	519	602	14																	First half 4 vibs 1st vib starts 30' past flag	
skip	516	502	513	520	603	15																	UPs # 515 + 516 skipped due to houses	
347	517	503	514	521	604	16																	Vib # 15 382 still down with fuel filter problems	
348	518	504	515	522	605	17																	last half	
349	519	505	516	523	606	18																	Crawford Co. STA # 545 open due to	
350	520	506	517	524	607	19																	cable crossing Hiway # 42 @ 545 + 546	
351	521	507	518	525	608	20																	" " " # 80 @ 546 + 547	
352	522	508	519	526	609	21																		
353	523	509	520	527	610	22									5								CREEK crossing line @ 624 (white)	
354	524	510	521	528	611	23																		
355	525	511	522	529	612	24	793																	
356	526	512	523	530	613	25	794				windstrip													E.O.T. # 793
357	526	512	523	530	613	25																		B.O.T. # 794 # 900 10 SEC ALL ONES
358	527	513	524	531	614	26																		
359	528	514	525	532	615	27																		
skip	529	515	526	533	616	28																		Vibs are back house holder of a paved rd.
360	559	545	556	563	646	05																		UPs # 529 thru 558 skipped toward of Knoxville
361	560	546	557	564	647	6																		last half moved recorder up to stas 612 + 613
skip	561	547	558	565	648	7																		first half
362	564	550	561	568	651	10																		Vibs # 561 thru 563 skipped due to houses
363	565	551	562	569	652	11																		last half
364	566	552	563	570	653	12																		Wind is gusting + light rain is falling

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CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB	PM									
6834	21	7:00				cloudy	Shoulder	4	12	85	COCORP	R. Patten	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 96			PAMPS or "K"	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE				
933	Pulse	1	6				789	48		missed sweeps									520			Georgia MacON CO + PEACH CO.
934/935	EINT	2	"	"																		6 Sta GAP BETWEEN 12+13 STATIONED
936/939	DRD	4	"	"																		5 AP 2 OPEN 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	"	"			789															ARRIVE FIELD 7:45
932	SIMILARITY	1	32				790															SPACING, 41.25' MOVE UPS, 32' SEC. SWEEP
307	Wind strip	1	48																			F.O.T #789 TAPE MKTS
308	463	449	460	467	550	1																BO.T #790 #900 10 SEC ALL OUES
309	464	450	461	468	551	2																48 SEC RECORD, 8 SWEEPS, ALIAS 31.25 Hz
310	465	451	462	469	552	3																10 @ 32 Hz SWEEP FREQ, 8ms SAMPLE RATE.
311	466	452	463	470	553	4																4 Vibs 1st Vib STARTS 32' PAST FLAG
312	467	453	464	471	554	5																4 Vibs 1st Vib STARTS 32' PAST FLAG
313	468	454	465	472	555	6																4 Vibs 1st Vib STARTS 32' PAST FLAG
314	469	455	466	473	556	7																4 Vibs 1st Vib STARTS 32' PAST FLAG
315	470	456	467	474	557	8																4 Vibs 1st Vib STARTS 32' PAST FLAG
316	471	457	468	475	558	9																4 Vibs 1st Vib STARTS 32' PAST FLAG
317	472	458	469	476	559	10																4 Vibs 1st Vib STARTS 32' PAST FLAG
318	473	459	470	477	560	11																4 Vibs 1st Vib STARTS 32' PAST FLAG
319	474	460	471	478	561	12																4 Vibs 1st Vib STARTS 32' PAST FLAG
320	475	461	472	479	562	13																4 Vibs 1st Vib STARTS 32' PAST FLAG
321	476	462	473	480	563	14																4 Vibs 1st Vib STARTS 32' PAST FLAG
322	477	463	474	481	564	15																4 Vibs 1st Vib STARTS 32' PAST FLAG
323	478	464	475	482	565	16																4 Vibs 1st Vib STARTS 32' PAST FLAG
324	479	465	476	483	566	17																4 Vibs 1st Vib STARTS 32' PAST FLAG
325	480	466	477	484	567	18																4 Vibs 1st Vib STARTS 32' PAST FLAG
326	481	467	478	485	568	19																4 Vibs 1st Vib STARTS 32' PAST FLAG
327	482	468	479	486	569	20																4 Vibs 1st Vib STARTS 32' PAST FLAG
328	483	469	480	487	570	21																4 Vibs 1st Vib STARTS 32' PAST FLAG
329	484	470	481	488	571	22																4 Vibs 1st Vib STARTS 32' PAST FLAG
330	485	471	482	489	572	23																4 Vibs 1st Vib STARTS 32' PAST FLAG
331	486	472	483	490	573	24																4 Vibs 1st Vib STARTS 32' PAST FLAG
332	487	473	484	491	574	25																4 Vibs 1st Vib STARTS 32' PAST FLAG
333	488	474	485	492	575	26																4 Vibs 1st Vib STARTS 32' PAST FLAG
334	489	475	486	493	576	27																4 Vibs 1st Vib STARTS 32' PAST FLAG
335	490	476	487	494	577	28	790															4 Vibs 1st Vib STARTS 32' PAST FLAG
336	491	477	488	495	578	29	791															4 Vibs 1st Vib STARTS 32' PAST FLAG
337	492	478	489	496	579	30																4 Vibs 1st Vib STARTS 32' PAST FLAG
338	493	479	490	497	580	31																4 Vibs 1st Vib STARTS 32' PAST FLAG
339	494	480	491	498	581	32																4 Vibs 1st Vib STARTS 32' PAST FLAG
340	495	481	492	499	582	33																4 Vibs 1st Vib STARTS 32' PAST FLAG
341	496	482	493	500	583	34																4 Vibs 1st Vib STARTS 32' PAST FLAG
342	497	483	494	501	584	35																4 Vibs 1st Vib STARTS 32' PAST FLAG
343	498	484	495	502	585	36																4 Vibs 1st Vib STARTS 32' PAST FLAG
344	499	485	496	503	586	37																4 Vibs 1st Vib STARTS 32' PAST FLAG

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER cloudy		TRAIL CONDITIONS dirt rd		DATE MONTH 4 DAY 12 YEAR 85		CLIENT CDCORP		OR R. PATTON		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 12	TR 13	TR 96				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
330	500	486	497	504	587	38	791	48								4	8	50%	520				GEORGIA PEACH COT CRAWFORD CO. split 3 spread 6 STA GAP BETWEEN 12+13
331	501	487	498	505	588	39												50%					
332	502	488	499	506	589	40												50%					
333	503	489	500	507	590	41	791											50%					E.O.T. # 791 TAPE MKYS
334	504	490	501	508	591	3	792		Windstrip									60%	559				B.O.T # 792 # 900 10 SEC ALLOWES MOVED RECORDER UP TO STA'S # 559 + 560
335	504	490	501	508	591	3												50%					
336	505	491	502	509	592	4												50%					
337	506	492	503	510	593	5												50%					
338	507	493	504	511	594	6												50%					
339	508	494	505	512	595	7												50%					
340	509	495	506	513	596	8												50%					
341	510	496	507	514	597	9												50%					
342	511	497	508	515	598	10												50%					
343	512	498	509	516	599	11												50%					
344	513	499	510	517	600	12	792											50%	3:15				E.O.T # 792 TAPE MKYS

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CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB.	PM												
6834	21	7:00				clear	Shoulder	4	17	85	COCORP	R. Patton	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 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		788	48		MISSED Sweeps	B.O.T.			#788	#900	10	Sec	All OUES	467			SPLIT Spread	Georgia Macon + Peach CO		
934/935	EINT		2	"	"																		6 station Gap Between 12 + 13 STAGGERED		
936/939	DRD		4	"	"																		Gap 2 open behind Vibs + 3 open in front		
953/954	Sum Test		2	"	"																		5 Vibs 1st Vib start 6' past Flag 75'		
960/961	NRS Test		2	"	"																		spacing, 4/125 move ups, 32 sec sweep, 48 sec record, 8 sweeps, Alias 3/25 Hz		
932	Similarity		1	32	Sec											4	1	30%		8:15			10 → 32 sec sweep Freq, 8 ms Sample Rate		
287	Wind Strip		1	48	Sec	3																	Start #433 open due to a paved drive way		
288	412	398	409	416	499	3										4	8	50%		8:30			Start #430 thru 455 Heavy Eap. cutting		
289	413	399	410	417	500	4																	Trees + brush for a high line Right ok		
290	414	400	411	418	501	5																	way on the side of the Hi way.		
291	415	401	412	419	502	6																	Sta #452 open due to a bridge		
292	416	402	413	420	503	7																	RR tracks crossing line @ 446		
293	417	403	414	421	504	8																	Vib # 32940 Down, Hyd. leak on oil cooler.		
294	418	404	415	422	505	9																	Sta # 527 open due to a pond. (to wet)		
295	419	405	416	423	506	10																	First half due to a house.		
Skip	420	406	417	424	507	11																		Ups # 420 thru 424 Skipped due to houses	
296	424	410	421	428	511	15																		Inst walk due to a house	
297	425	411	422	429	512	16	788																	E.O.T. # 788 TAPE MKTS.	
298	426	412	423	430	513	17	789																	B.O.T. # 789 # 900 10 SEC ALL OUES	
299	426	412	423	430	513	17											2	30%						2 SWEEPS ONLY DUE TO A HOUSE	
Skip	427	413	424	431	514	18																			
Skip	428	414	425	432	515	19																			Ups # 427 thru 429 Skipped due to houses.
Skip	429	415	426	433	516	20																			
300	430	416	427	434	517	21												8	30%						
Skip	431	417	428	435	518	22																			Ups # 431 thru 433 Skipped due to houses
301	434	420	431	438	521	25																			
302	435	421	432	439	522	26																			Inst half
303	436	422	433	440	523	27																			
304	437	423	434	441	524	28																			
305	438	424	435	442	525	29																			First half + 4 Sweeps due to a house
Skip	439	425	436	443	526	30																			Ups # 439 thru 450 Skipped due to houses
306	451	437	448	455	538	32												8	30%						

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CREW NO. 6834		LINE NO. 21	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS Dirt Rd	DATE MONTH 4 DAY 9 YEAR 85	CLIENT COCORP	OB. F. 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	
933	Pulse		1	6	SEL		784	48															GEORGIN MACON + PETCH CO.
934/935	Flint		2	"	"																		Costly GAP BETWEEN 12+13 STAGGERED GRP
936/939	DRD		4	"	"																		2 OPEN 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,
932	Similarity		1	32	"																		ARRIVE FIELD 7:45
238	Windstrip		1	48	"	2																	48 SEC RECORD, 8 SWEEPS, AHAIS 31.25 HZ,
239	353	339	350	351	440	2																	10 → 32 HZ SWEEP FREE, 8 MS SAMPLE RATE.
240	354	340	351	358	441	3																	5 → 32 HZ SWEEP FREE, 8 MS SAMPLE RATE.
241	355	341	352	359	442	4																	4 VIBS 1st vib starts 32' past flag
242	356	342	353	360	443	5																	50%
243	357	343	354	361	444	6																	50%
244	358	344	355	362	445	7																	4 30%
245	359	345	356	363	446	8																	8 30%
246	360	346	357	364	447	9																	30%
247	361	347	358	365	448	10																	50%
248	362	348	359	366	449	11	784																50%
249	363	349	360	367	450	12	785																Windstrip
250	364	349	360	367	450	12																	60db
251	364	350	361	368	451	13																	30%
Skip	365	351	362	369	452	14																	30%
252	368	354	365	372	455	17																	First half, low drive due to a mouse
Skip	369	355	366	373	456	18																	VPs # 365 thru 367 skipped due to houses
Skip	370	356	367	374	457	19																	VPs # 369 + 370 skipped due to a water well
253	371	357	368	375	458	20																	Well
254	372	358	369	376	459	21																	last half, low drive due to a water well
255	373	359	370	377	460	22																	30%
256	374	360	371	378	461	23																	First half due to a mouse
257	375	361	372	379	462	24																	last half, Vibs are back on shoulder of paved rd.
258	376	362	373	380	463	25																	50%
259	377	363	374	381	464	26																	50%
260	378	364	375	382	465	27																	50%
																							Moved RECORDER up to 429 + 430

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS PAUSED 12.0		DATE MONTH 4 DAY 9 YEAR 85		CLIENT LOCORP		OB R. P. HOW		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						
261	379	365	376	383	466	8	785	43								4	8	30%	429					GEORGINA MACOU + PEACH CO.
Skip	380	366	377	384	467	9												50%						6 STA GAP BETWEEN 12 + 13, First half
262	384	370	381	388	471	13	785											30%						UP # 380 + HCU 383 SKIPPED DUE TO HOUSES
263	385	371	382	389	472	14	786											50%						last half E.O.T. # 785 TAPE MKTS.
264	385	371	382	389	472	14												50%						B.O.T. 786 #900 USE ALL OUES.
265	386	372	383	390	473	15												50%						
266	387	373	384	391	474	16												50%						
267	388	374	385	392	475	17												50%						
268	389	375	386	393	476	18												50%						
269	390	376	387	394	477	19										4		30%						First half
Skip	391	377	388	395	478	20												50%						UP # 391 + HCU 395 SKIPPED DUE TO HOUSES
270	396	382	393	400	483	25												30%						last half
271	397	383	394	401	484	26												50%						
272	398	384	395	402	485	27												50%						
273	399	385	396	403	486	28												50%						
274	400	386	397	404	487	29												50%						
275	401	387	398	405	488	30												50%						
276	402	388	399	406	489	31	786											50%						E.O.T. # 786 TAPE MKTS.
277	403	389	400	407	490	32	787											60%						B.O.T. # 787 #900 USE ALL OUES
278	403	389	400	407	490	32												50%						
279	404	390	401	408	491	33												50%						
280	405	391	402	409	492	34												50%						
281	406	392	403	410	493	35												50%						
282	407	393	404	411	494	36												50%						
283	408	394	405	412	495	37												50%						
284	409	395	406	413	496	38												50%						
285	410	396	407	414	497	39												50%						
286	411	397	408	415	498	40	787											50%		4:50				B.O.T. # 787 TAPE MKTS.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-752-D

CREW NO. 6634		LINE NO. 21	LEAVE TOWN/CAMP 7:00				ARRIVE TOWN/CAMP		TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS DIRT RD.	DATE MONTH 4 DAY 8 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 9L				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
217	320	306	317	324	407	43	782	48								5	8	50%	335		SPIT SPREAD	GEORGIA MACONT PEACH CO. Lost a gap between 12 + 13			
218	321	307	318	325	408	0												50%	379			Moved RECORDER up to 379 + 380			
219	322	308	319	326	409	1												50%							
220	323	309	320	327	410	2												50%					Wind is picking up Gust 10 to 15 mph.		
221	324	310	321	328	411	3												50%							
222	325	311	322	329	412	4												50%							
223	326	312	323	330	413	5	782											50%					E.O.T. # 782 TAPE MKTS.		
224	327	313	324	331	414	6	783			Wind stripe								60%					B.O.T # 783 # 900 10 SEC ALLOWES		
225	327	313	324	331	414	6												50%							
226	328	314	325	332	415	7												50%							
227	329	315	326	333	416	8												30%							
SKIP	330	316	327	334	417	9												SKIP						VP # 330 to 332 skipped due to houses	
228	333	319	330	337	420	12												30%							
SKIP	334	320	331	338	421	13												SKIP							VP # 334 to 336 skipped due to houses
229	337	323	334	341	424	16												30%							
230	338	324	335	342	425	17												50%							
231	339	325	336	343	426	18												50%							
SKIP	340	326	337	344	427	19												SKIP							VP # 340 to 342 skipped due to houses
232	343	329	340	347	430	22												30%							
SKIP	344	330	341	348	431	23												SKIP							VP # 344 to 347 skipped due to houses + well
233	348	334	345	352	435	27												30%							
234	349	335	346	353	436	28												50%							
235	350	336	347	354	437	29												50%							
236	351	337	348	355	438	30												50%							
237	352	338	349	356	439	31	783											50%	4:45					E.O.T # 783 TAPE MKTS.	

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS FIRE RD		DATE MONTH 4 DAY 3 YEAR 85		CLIENT C.CORP		OB D. MOORE		PM B. LASSIDY			
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 2	TR 3	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE			
933	PULSE		1	6	SEC		775	48		MISSED SWEEPS														GEORGIA MACON CO.	
934/935	EINT		2	11	"																			60m Gap BETWEEN 12+13 Straggled Gap	
936/939	DRD		4	11	"																			2 OPEN behind Vibs + 3 OPEN in FRONT	
953/954	Sum test		2	"	"																			5 Vibs first vib starts 6' past line, 75' spacing	
960/961	NRS test		2	11	"																			41.25' MOVE UPS, 32 SEC SWEEP, 48 SEC RECORD, 8 SWEEPS ALIAS 31.25 Hz	
932	Similarity		1	32	"																			ARRIVE FIELD	
120	Wind strip		1	48	"	1																		Signs taken through line with CAMERA 5 1 30% 8:30 10+32hz SWEEP FREQ. 8ms SAMPLE RATE	
121	152	138	149	156	239	1																		4ms Sample RATE Alias 62.5 60db	
122	153	139	150	157	240	2																		8 50% 9:00	
123	154	140	151	158	241	3																		NOTE: STNS # 181 thru 184, 186, 190, + 195 will be open due to the town of MARSHALVILLE.	
124	155	141	152	159	242	4																		Cable crossing main highways @ 190 + 191 Also @ 196 + 197	
125	156	142	153	160	243	5																		RR TRACK crossing @ 185 + 195	
126	157	143	154	161	244	6																		STA # 216 OPEN due to a bridge.	
127	158	144	155	162	245	7																			
128	159	145	156	163	246	8																			
129	160	146	157	164	247	9																			
130	161	147	158	165	248	10																			
131	162	148	159	166	249	11	775																		E.O.T. # 775 TAPE MKTS.
132	163	149	160	167	250	12	776																		B.O.T # 776 # 900 10 SEC ALLOWES
133	163	149	160	168	250	12																			Windstrip 1 50%
Skip	164	150	161	168	251	13																			VP # 164 Skipped due to lack of shoulder.
134	165	151	162	169	252	14																			50%
135	166	152	163	170	253	15																			50%
136	167	153	164	171	254	16																			50%
137	168	154	165	172	255	17																			50%
138	169	155	166	173	256	18																			50%
139	170	156	167	174	257	19																			50%
140	171	157	168	175	258	20																			50%
141	172	158	169	176	259	21																			30%
Skip	173	159	170	177	260	22																			First half due to a WATER WELL
Skip	174	160	171	178	261	23																			VP # 173 Skipped due to a WATER WELL
Skip	175	161	172	179	262	24																			VP # 174 + 175 Skipped due to a CEMETERY

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS PAVED Rd.		DATE MONTH 4 DAY 3 YEAR 85		CLIENT ECORP		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 3	TR 4				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
142	176	162	173	180	263	25	776	48								5	8	30%	209			SPIN SPREAD	6 STA GAP BETWEEN 12+13
Skip	177	163	174	181	264	Skip													Skip	260			UPS # 177 thru 203 skipped due to
143	204	190	201	208	291	2													30%				the town MARSHALWILLE, GEORGIA
144	205	191	202	209	292	3													30%				MOVED RECORDER up to STA #260+261
Skip	206	192	203	210	293	4													Skip				UPS #206 thru 210 skipped due to houses.
145	211	197	208	215	298	9	776												30%				E.O.T. # 776 TAPE MKTS.
146	212	198	209	216	299	10	777												60db				B.O.T # 777 #900 10 SEC R/L ONES
147	212	198	209	216	299	10													50%				
148	213	199	210	217	300	11													50%				
149	214	200	211	218	301	12													50%				
150	215	201	212	219	302	13													50%				
151	216	202	213	220	303	14									4				50%				Vib # 25865 broke a guide column bolt.
152	217	203	214	221	304	15			2										50%				1st vib starts 32' past flag
Skip	218	204	215	222	305	16													Skip				
Skip	219	205	216	223	306	17													Skip				
153	220	206	217	224	307	18													50%				
154	221	207	218	225	308	19													50%				
155	222	208	219	226	309	20													50%				CABLE CROSSING hiWAY @ 314+315
156	223	209	220	227	310	21													50%				
157	224	210	221	228	311	22													50%				
158	225	211	222	229	312	23													50%				
159	226	212	223	230	313	24	777												50%				E.O.T. # 777 TAPE MKTS.
160	227	213	224	231	314	25	778												60db				B.O.T. # 778 #900 10 SEC R/L ONES
161	227	213	224	231	314	25													50%				
162	228	214	225	232	315	26													50%				
163	229	215	226	233	316	27													50%		4:30		

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21	LEAVE TOWN/CAMP 7:00			ARRIVE TOWN/CAMP			TOTAL TR. TIME	DOWN TIME	WEATHER Cloudy	TRAIL CONDITIONS PAVED rd	DATE MONTH 4 DAY 2 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	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							
Skip	111	97	108	115	198	28	772	48									5	8	Skip	141		SPLIT SPRING	Georgia Macou CO. VPs # 111 thru 114 skipped due to lack of shoulder + a church		
090	115	101	112	119	202	32													50%					60ft GAP BETWEEN 12+13	
091	116	102	113	120	203	33													50%					E.O.T. 772 TAPE METS	
092	117	103	114	121	204	34	772												50%					B.O.T. # 773 # 900 10 SEC ALLONES	
093	118	104	115	122	205	35	773		Wind strip										60db						
094	118	104	115	122	205	35													50%						
095	119	105	116	123	206	36													50%						
096	120	106	117	124	207	37													30%						
Skip	121	107	118	125	208	38													Skip						VPs # 121 + 122 skipped due to a water well
Skip	122	108	119	126	209	39													Skip						
097	123	109	120	127	210	40													30%						
098	124	110	121	128	211	41													50%						NOTE: @ STA. # 185 RR TRACK CROSSING, CREW IS REPAIRING TRACKS. (NOISE)
099	125	111	122	129	212	42													50%						
100	126	112	123	130	213	43													50%						
101	127	113	124	131	214	16													50%	169					Moved RECORDER up to 169 + 170
102	128	114	125	132	215	17													50%						
103	129	115	126	133	216	18													50%						NOTE: STA # 216 OPEN DUE TO A BRIDGE
104	130	116	127	134	217	19													50%						
105	131	117	128	135	218	20													50%						
106	132	118	129	136	219	21	773												30%						E.O.T. TAPE METS REEL # 773
Skip	133	119	130	137	220	22													Skip						VPs # 133 + 134 skipped due to a house.
Skip	134	120	131	138	221	23													Skip						
107	135	121	132	139	222	24	774		Wind strip										60db						B.O.T. 774 # 900 10 SEC ALLONES
108	135	121	132	139	222	24													30%						LAST HAIT DUE TO A HOUSE
Skip	136	122	133	140	223	25													Skip						VPs # 136 thru 138 skipped due to HOUSES
109	139	125	136	143	226	28													30%						LAST HAIT DUE TO HOUSES
110	140	126	137	144	227	29													50%						
111	141	127	138	145	228	30													50%						
112	142	128	139	146	229	31													50%						
113	143	129	140	147	230	32													50%						NOTE: @ 195 Line crossing RR Tracks again.
114	144	130	141	148	231	33													50%						
115	145	131	142	149	232	34													50%						

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 21		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS PAVED RD		DATE MONTH 4 DAY 1 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 9c				TAPE	MEMORY MISSED	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS	NO. SUMS	DRIVE						
042	58	44	55	62	145	25	769	48								5	8	50%	91			SPLIT SPREAD	6 STA GAP BETWEEN 12 + 13	
043	59	45	56	63	146	26												50%						
044	60	46	57	64	147	27												50%						
045	61	47	58	65	148	28												50%						
046	62	48	59	66	149	29												50%						
047	63	49	60	67	150	30												50%						
048	64	50	61	68	151	31												50%						
049	65	51	62	69	152	32												50%						
050	66	52	63	70	153	33												50%						
051	67	53	64	71	154	34												50%						
052	68	54	65	72	155	35	769											50%						E.O.T. #769 TAPE MKTS.
053	69	55	66	73	156	36	770		Windstrip									60%						B.D.T. #770 #900 10 SEC ROLL OVERS
054	69	55	66	73	156	36												50%						
055	70	56	67	74	157	37												50%						
056	71	57	68	75	158	38												50%						
057	72	58	69	76	159	39												50%						
058	73	59	70	77	160	40												30%						
Skip	74	60	71	78	161	41												Skip						VP#74 SKIPPED DUE TO A HOUSE.
059	75	61	72	79	162	42												30%						
060	76	62	73	80	163	43												30%						FIRST HALF DUE TO A HOUSE
Skip	77	63	74	81	164	Skip												Skip						VP#77+78 SKIPPED DUE TO A HOUSE
Skip	78	64	75	82	165	Skip												Skip						Vibs ARE BACK ON A DIRT RD.
061	79	65	76	83	166	39												30%	105					Moved up RECORDER TO 105 + 106
062	80	66	77	84	167	33												50%						
063	81	67	78	85	168	34												50%						
064	82	68	79	86	169	35												50%						
065	83	69	80	87	170	36												50%						
066	84	70	81	88	171	37	770											50%						E.O.T. #770 TAPE MKTS.



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

GENERAL

Crew No. 6834 Contract No. 799

Client COLCORP

Area GEORGIA

County MACON Co.

State GEORGIA

Party Mgr. B Cassidy OB/JO D. MOORE

Line No. 21 Date Start 3-29-85 of Line

Sta. Int. 330' Feet Meters Fold 4800%

Spread Dimensions 1 thru 12 6Sta 13-96

VP's Increase N E S W

S → N

GEOPHONES

Manufacture MD 100s Array Length 322'

Frequency 8hz Array Width inline

No. per string 2-12 Array Across Between Sta
per trace 24 total Centered

Separation String Connected Ser Par Coil Res. 335 ohms String Phone

Connected at Sta Ser Par Separation between elements in the array 14.34'
14'

RECORDING SYSTEM

Type: MD5-10

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: ALIAS 31.25hz Slope: OUT

Static Filter In Out

Notch Filter 60 Hz In Out

UH Ch. Wireline On Tape N/A Radio On Tape N/A

Sweep Ch. AUX #2 GALVO 50 On Tape AUX #4 GALVO 52

ENERGY SOURCE

Type: 4x100s VIBRATORS

Manufacturer: GEORGE E. FAIRLIE

Source Control: RCV-310

Dynamite Holes/Shotpoint: N/A

Charge/Shotpoint: N/A

Pattern Length: N/A Feet Meters

Array Length: 489 Feet Meters

No. of drops, sweeps, etc. in array: 10 → 32 8

Surface Source Sweep Freq: 10 → 32

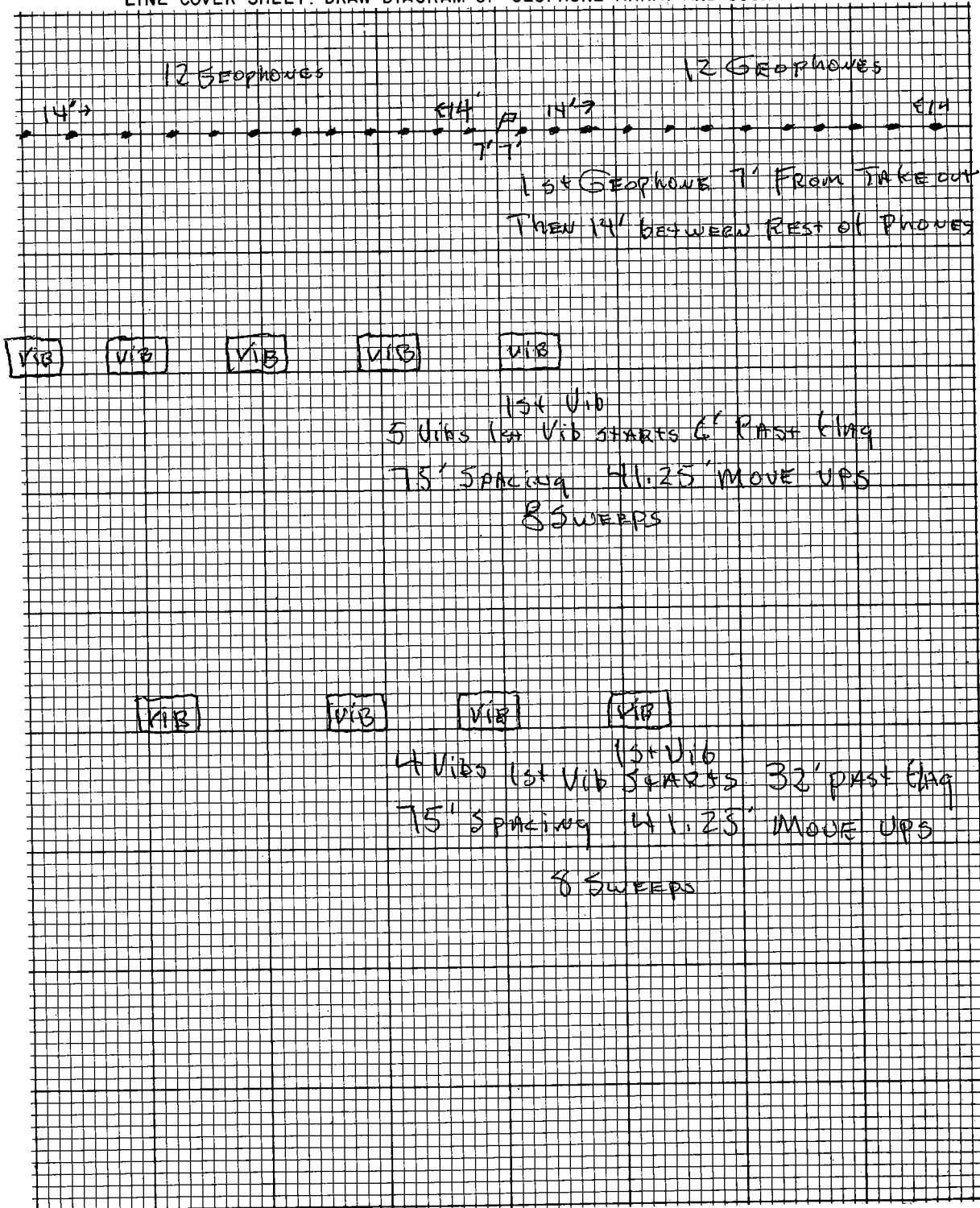
Sweep Length: 32 sec

Unit 5 Vibs 75' Feet Meters Separation:

Unit Moveup: 41.25' Feet Meters

Array Centered: Across Sta Between Sta

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



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes No Invalid Channels: