



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

GENERAL

Crew No. 6834 Contract No. 799
 Client COCORP
 Area Georgia
 Country Georgia
 County Harris Co + TALBOT
 Concession Georgia
 State Georgia
 Party Mgr. E. Davis OB/NO R. Patton
 Line No. 15 Date Start of Line 4-18-84
 Sta. Int. 330' Feet Meters Fold 4800%
 Spread Dimensions 1-31350.96 990' 99
 VP's Increase N E S W
S → N

GEOPHONES

Manufacture MD 100's Array Length 322
 Frequency 8 Hz Array Width IN LINE
 No. per string 2-12 Array Across Between Sta per trace Centered
 Separation Ser Par Coil Res. 335 Ohms
 String Connected String Phone Shunt Res.
 Connected at Sta Ser Par Separation between elements in the array 14.34'
14 Ft.

RECORDING SYSTEM

Type: MDS-10
 Format: SEG B
 No. of Channels: 96
 Sample Rate: 8 ms
 Record Length: 32 sec.
 BPI: 800
 Low-Cut Filter Freq: OUT
 Slope: OUT
 High-Cut Filter Freq: At 31.25
 Slope: OUT
 Static Filter In Out
 Notch Filter In Out
 UH Ch. Wireline On Tape NA
 On Tape Radio On Tape NA
 Sweep Ch. Aux 2 9.8110 50
 On Tape Aux 4 9.8110 52

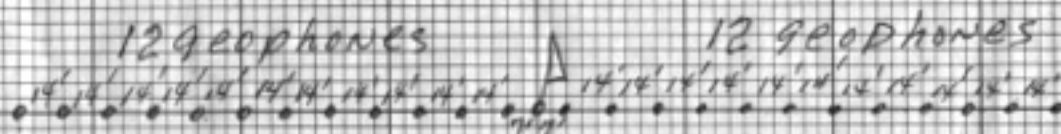
ENERGY SOURCE

Type: V-1100 Vibrators
 Manufacturer George E Failing
 Source Control: RCV 310

Dynamite Holes/Shotpoint: NA
 Charge/Shotpoint: NA
 Pattern Length: NA Feet Meters

Array Length: 489' Feet Meters
 No. of drops, sweeps, etc. in array: 16 Sweeps
 Sweep Freq: 8 → 32 Hz
 Sweep Length: 16 Sec.
 Unit Separation: 50' Feet Meters
 Unit Moveup: 20.6' Feet Meters
 Array Centered: Across Between Sta Sta

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



5 Vib
 1st Vib 44' behind Flag

1 → 2 → 3 → 4 → 5 44'
 50' Spacing 20.6' Moveup
 16 Sweep V-1100 Vibrators

4 Vib

1 → 2 → 3 → 4 69'

REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes No Invalid Channels:

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 37 PAGE 1 OF 3 PAGES

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly cloudy		TRAIL CONDITIONS Dirt Road		DATE MONTH 4 DAY 18 YEAR 84		CLIENT COCORP		OB. R. Patton		PM. P. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING						INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS					NO. SUMS	DRIVE	
933	pulse		1	6	sec		116	48									72	990	TALBOT + Harris, Georgia				
934/935	EINT		2	"	"														BOT # 116 # 900 10 sec ALL ones.				
936/939	DRD		4	"	"														5 Vib 1st vib starts 44' Behind Flag				
953/954	Sum TEST		2	"	"										ARRIVE FIELD	8:30			50' spacing, 20.6 move ups, 16 sec sweep, 16 sweeps, 32 sec Record				
960/961	NRJ TEST		2	"	"														ALais 31.25.				
932	Similarity		1	16	sec	236								5	308	10:45			High way #80 Crossing AT STA #25-26				
001	wind strip		1	32	sec	1	4ms	sample rate	ALais	62.5									will Dump ON 8 + 16 sweeps.				
002	68	1	-	65		1								5	8	508	11:30		C.D.P. Remain same, UNTIL Vib				
003	68	1	-	65		1								5	16	508			Reach 99 will have Full spread.				
004	69	1	-	66		1									8	508			Vib pulling live, will ADD station				
005	69	1	-	66		1									16	508			UNTIL Full 96.				
006	70	1	-	67		1									8	508			STA # 38 open Due to Bridge.				
007	70	1	-	67		1									16	508			STA # 36 open Due to Drive way.				
008	71	1	-	68		1									8	508							
009	71	1	-	68		1									16	508							
010	72	1	-	69		1									8	508							
011	72	1	-	69		1									16	508							
012	73	1	-	70		1									8	508							
013	73	1	-	70		1									16	508							
014	74	1	-	71		1									8	508							
015	74	1	-	71		1									16	508							
016	75	1	-	72		1									8	508							
017	75	1	-	72		1	116								16	508							
018	76	1	-	73		1	117	Wind strip								60db							
019	76	1	-	73		1									8	508							
020	76	1	-	73		1									16	508							
021	77	1	-	74		1									8	508							
022	77	1	-	74		1									16	508							
023	78	1	-	75		1									8	508							
024	78	1	-	75		1									16	508							
025	79	1	-	76		1									8	508							
026	79	1	-	76		1									16	508							

FOT # 116 Tape MKTs.
 BOT # 117 # 900 10 sec All ones.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 3 PAGES

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Road		DATE MONTH 4 DAY 18 YEAR 84		CLIENT COCORP		OB R. Patton		PM L. Davis		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)			C. D. P. POSITION	DIGITAL REEL NO.	GAIN FOLDS or "x"	PARITY		SHOOTING				SUR. SOURCES				INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR				TR	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE		
027	80	1	-	77	1	117	48							5	8	50%	72	990						
028	80	1	-	77	1										16	50%								
029	81	1	-	78	1										8	50%								
030	81	1	-	78	1										16	50%								
031	82	1	-	79	1										8	50%								
032	82	1	-	79	1										16	50%								
033	83	1	-	80	1										8	50%								
034	83	1	-	80	1										16	50%								
035	84	1	-	81	1										8	50%								
036	84	1	-	81	1										16	50%								
037	85	1	-	82	1										8	50%								
038	85	1	-	82	1	117									16	50%							EOT # 117 Tape mKts.	
039	86	1	-	83	1	118		wind strip							60db									BOT # 118 *900 10sec All ones.
040	86	1	-	83	1										8	50%								
041	86	1	-	83	1										16	50%								
042	87	1	-	84	1										8	50%								
043	87	1	-	84	1										16	50%								
044	88	1	-	85	1										8	50%								
045	88	1	-	85	1										16	50%								
046	89	1	-	86	1										8	50%								Train on Back of Line.
047	89	1	-	86	1										16	50%								
048	90	1	-	87	1										8	50%								
049	90	1	-	87	1										16	50%								
050	91	1	-	88	1										8	50%								
051	91	1	-	88	1										16	50%								
052	92	1	-	89	1										8	50%								
053	92	1	-	89	1										16	50%								
054	93	1	-	90	1										8	50%								
055	93	1	-	90	1										16	50%								
056	94	1	-	91	1										8	50%								
057	94	1	-	91	1	118									16	50%								EOT # 118 Tape mKts.
058	95	1	-	92	1	119		wind strip							60db									BOT # 119 *900 10sec All ones.

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS DIRT ROAD		DATE MONTH 4 DAY 19 YEAR 84		CLIENT COCOPP		OB R. Patten		PM L. Davis		
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	TR	TR	TR						SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS					DRIVE		
933	Duke		1	-	6	sec	119	48															Talbot & Harris Co. Georgia	
934/935	EINT		2	-	"	"																	STA* 36 open Due to Drive way	
936/939	DRD		4	-	"	"																	STA* 38 open Due to Bridge.	
953/954	Sum TEST		2	-	"	"																	5 Vibs 1st vib starts 44' Behind Flag	
960/961	NRJ TEST		2	-	"	"																	ARRIVE Field 8:15	
932	Similarity		1	-	16	sec	236							5	1	302							50' Spacing, 20.6 move ups, 16 sec sweep	
063	wind strip		1	-	32	sec	1	4ms	sample	Alais	62.5												16 sweeps, 32 sec Record, Alais 31.25.	
064	99		1	-	96		1		Rate					5	16	302							Highway *80 Crossing AT STA* 25+ 26.	
065	100		2	-	97		2																	
066	101		3	-	98		3																Vibs went to High Drive.	
067	102		4	-	99		4																	
068	103		5	-	100		5																Light Rain starting to Fall.	
069	104		6	-	101		6																Lot of Thunder Clouds IN Area.	
070	105		7	-	102		7																	
071	106		8	-	103		8																Rain stopped.	
072	107		9	-	104		9																	
073	108		10	-	105		10																	
074	109		11	-	106		11	119																Foot # 119 Tape mts.
075	110		12	-	107		12	120	wind strip															BOT # 120 *900 10 sec All ones.
076	110		12	-	107		12																	
077	111		13	-	108		13																	Wind Blowing 10 MPH.
078	112		14	-	109		14																	
079	113		15	-	110		15																	
080	114		16	-	111		16																	
081	115		17	-	112		17																	
082	116		18	-	113		18																	
083	117		19	-	114		19																	Light Rain on Front of Line
084	118		20	-	115		20																	
085	119		21	-	116		21																	Bad thunder Clouds moving IN + Raining Shutting Down + picking up ALL cables For weekEnd.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear, WET		TRAIL CONDITIONS DIRT ROAD		DATE MONTH 4 DAY 24 YEAR 84		CLIENT Cocorp		OB R. Patton		PM L. Davis		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "C"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS							
933	Pulse		1	6	sec		120	48									92	990			TOLBOT + Harris CO. Georgia			
934/935	EINT		2	"	"																STA* 38 OPEN DUE TO Drive way.			
936/939	DRD		4	"	"																5 Vib, 1st Vib starts 44 Behind Flag,			
953/954	Sum TEST		2	"	"										ARRIVE FIELD		8:15				50' spacing, 2016 move ups, 16 sec sweep			
960/961	NRS TEST		2	"	"																16 sweeps, 32 sec Record, Alais 31.25.			
932	Similarity		1	16	sec	236									5	1	30%	9:20						
086	windstrip		1	32	sec	2			4ms	sample Rate	Alais 62.5						60%				Highway * 80 Crossing AT STA* 25 + 26.			
087	120	22	-	117		2											16	50%	10:25					
088	121	23	-	118		3												50%						
089	122	24	-	119		4												50%						
090	123	25	-	120		5	120											50%			E.D. #120, TAPE MKTS			
091	124	26	-	121		6	121	windstrip										60%			B.D. #121, 900 10sec MILES.			
092	124	26	-	121		6												50%						
093	125	27	-	122		7												50%						
094	126	28	-	123		8												50%						
095	127	29	-	124		9												50%						
096	128	30	-	125		10												50%						
097	129	31	-	126		11												50%						
098	130	32	-	127		12												50%						
099	131	33	-	128		13												50%						
100	132	34	-	129		14												50%						
101	133	35	-	130		15												50%						
102	134	36	-	131		16												50%						
103	135	37	-	132		17												50%						
104	136	38	-	133		18												50%						
105	137	39	-	134		19												50%			END OF DIRT ROAD.			
106	138	40	-	135		20									6	50%					Vibs ON shoulder OF Road			
SKIP	139	41	-	136		21															SKIP Due to church sweep ON File #106			
107	140	42	-	137		22												50%						
108	141	43	-	138		23												50%			STACKED 1st HALF.			
SKIP	142	44	-	139		24															From STA #142 to 148 SKIP, Due to Houses.			
109	149	51	-	146		31												50%						

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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	REMARKS
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)	C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "X"	PARITY TAPE MEMORY	SHOOTING SUR. SOURCES	INST. SET UP	TIME DAY	STA. OFFSET TO LINE				
		TR TR TR TR				SIZE TOP BOT. NO CAPS U.H.T.	N. UNITS NO. SUNS DRIVE							
SKIP	150	52 - 147	32	121	48		5 16	50%	92	990'	Due to soft shoulder.			
SKIP	151	53 - 148	33					SKIP			" " " "			
SKIP	152	54 - 149	34					SKIP			" " " "			
110	153	55 - 150	35	121		1		50%			E.O. #121, TAPE MARKS			
111	154	56 - 151	36	122		windstrip		60%			B.D. #122, 900 10 sec HILONES.			
112	154	56 - 151	36					50%						
113	155	57 - 152	37			1		50%						
114	156	58 - 153	38					50%						
115	157	59 - 154	39					50%						
SKIP	158	60 - 155	40					SKIP			Due to a Bridge.			
116	159	61 - 156	41					50%			Last HALF.			
117	160	62 - 157	42					30%			30% Drive.			
118	161	63 - 158	43					2%						
119	162	64 - 159	44					3%	5:00					

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

9

CREW NO. 6834		LINE NO. 15	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Clear	TRAIL CONDITIONS Dirt Road	DATE MONTH 4 DAY 26 YEAR 84	CLIENT COCOAP	OB R. Patton	PM L. Davis									
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or %	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS				
933	Pulse			1-6	sec		123	48								5	16		271	990'	TOLBOT + Harris CO, Georgia
934/935	EINT			2-	" "																NOTE: Vibs will be Pushing
936/939	DRD			4-	" "																LINE, 1st Vib - 44' Behind
953/954	Sum Test			2-	" "																Flag, 50' spacing, 20' C move up
960/961	NRT Test			2-	" "											5				8:30	ARRIVE Field
932	Similarity			1-16	sec	236														9:30	16sec sweep, 16 sweep, 32 sec
135	wind scrip			1-32	sec	15															Record, Alias 31.25 STA#
136	211	214	-	309		15										5	16	50%	9:45		281 OPEN, Due to DRIVEWAY
137	212	215	-	310		16															Vibe ON DIRT ROAD.
138	213	216	-	311		17															stacked LAST HALF. 50% DRIVE
139	214	217	-	312		18															NOTE: TRAIN RUNNING ON BACK OF
140	215	218	-	313		19															LINE, MEN WORKING AROUND STA#
141	216	219	-	314		20															248 to 255.
142	217	220	-	315		21															NOTE: Replace a BAD CABLE.
143	218	221	-	316		22	123														
144	219	222	-	317		23	124	wind scrip													E.O. #123, TAPE MKTS.
145	219	222	-	317		23															B.D. #124, 900 10 sec ALLOWIES
146	220	223	-	318		24															
147	221	224	-	319		25															
148	222	225	-	320		26															
149	223	226	-	321		27															
150	224	227	-	322		28															
151	225	228	-	323		29															
152	226	229	-	324		30															
153	227	230	-	325		31															
154	228	231	-	326		32															
155	229	232	-	327		33															
156	230	233	-	328		34															
157	231	234	-	329		35															
158	232	235	-	330		36															
159	233	236	-	331		37															
160	234	237	-	332		38															

NOTE: Will Be Replacing A cable

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

CREW NO. 6857		LINE# 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Diff Road		DATE MONTH 4 DAY 26 YEAR 84		CLIENT Cocorp		OB P. PERRY		PM L. DAVIS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP or "x"	PARITY TAPE	MEMORY M/STL	SHOOTING					N. UNITS	NO. SAMS	DRIVE	INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR						SIZE	TOP	BOT.	NO CAPS	U. H.T.								
161	235	238	-	333	39	124	48							5	16	508	271	990					Replaced Bad Cable.
162	236	239	-	334	40											508							got Blast on sweep = 10 up = 236.
163	237	240	-	335	41	124										508							EOT #124 Tape MKTs.
164	238	241	-	336	42	125	WINDSTRIP									600h							B.O. #125, 900 10sec ALL ONES
165	238	241	-	336	42											508							
166	239	242	-	337	43											508							
167	240	243	-	338	44											508							
168	241	244	-	339	45											508							
169	242	245	-	340	46											508							
170	243	246	-	341	47											508		5:00					

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6831		LINE # 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy, wet dirt road		TRAIL CONDITIONS		DATE MONTH 4 DAY 27 YEAR 84		CLIENT COCORP		OB R. PATTON L. DAVIS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP or %	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS				
933	Probe	1	-	6sec		125	48							5	16	50%	302	990			Harris Co GEORGIA.
934	EINT	2	-	" "																	1st 1/4 STAT - 44' Behind
935	D.R.D	4	-	" "																	FLAG, 50' spacing, 20.2' wave
936	SUM test	2	-	" "																	UP, 16 sweep, 16 sec sweep
937	N.R.J	2	-	" "																	ACTIVE Field 8:45
932	similarity	1	-	16sec	236																32sec Record. STA#281 OPEN
171	windstrip	1	-	32sec	17																DUE TO DRIVE WAY. CABLE
172	244	247	-	342	17	125															CROSSING HI-WAY AT 294 & 295
173	245	248	-	343	18	126															E.O. + #125, TAPE MKTS
174	245	248	-	343	18																B.O. + #126, 900 10sec ALL OKES.
175	246	249	-	344	19																NOTE: thunder clouds in
176	247	250	-	345	20																AREA.
177	248	251	-	346	21																
178	249	252	-	347	22																
179	250	253	-	348	23																
180	251	254	-	349	24																
181	252	255	-	350	25																
182	253	256	-	351	26																
183	254	257	-	352	27																
184	255	258	-	353	28																
185	256	259	-	354	29																
186	257	260	-	355	30																
187	258	261	-	356	31																
188	259	262	-	357	32																
189	260	263	-	358	33																
190	261	264	-	359	34																
191	262	265	-	360	35																
192	263	266	-	361	36	126															E.O. + #126, TAPE MKTS
932	264	267	-	362	37	127															B.O. + #127, 900 10sec ALL OKES.
193	264	267	-	362	37																
194	264	267	-	362	37																
195	265	268	-	363	38																

+10.0
29 RE
1.81 cm

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

16

CREW NO. 2834		LINE # 15		LEAVE TOWN/CAMP 700		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear, wet, Dirt Road		TRAIL CONDITIONS		DATE MONTH 5 DAY 1 YEAR 84		CLIENT cocorp		OB R. PATTON		PM L. DAVIS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP	PARITY		SHOOTING				SUR. SOURCES				INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
933	Pulse	1	-	6	sec		130	48						5	16	394	990'			HARRIS CO. GEORGIA.			
934	EINT	2	-	"	"															5 Vib's, 1st Vib start + -44' Behind			
935	DRD	4	-	"	"															ARRIVE Field 8:00			
936	SLM	2	-	"	"															Flag, 20' G. MOVE UP, 50' spacing			
937	TEST	2	-	"	"															16sec sweep, 16 sweeps, 32sec			
938	N.R.J	2	-	"	"															Record, 31.25 Alais.			
932	Similarity	1	-	16	sec	236			4 MS SAMPLE RATE, AISA 62.5.						30%	9:00			CABLE CROSSING HI-WAY AT 411-412.				
249	windstrip	1	-	32	sec	1										60%							
250	320	323	-	418		1										50%	9:45			Vib ON shoulder ON Road.			
251	321	324	-	419		2										50%							
252	322	325	-	420		3										50%							
SKIP	323	326	-	421		4										SKIP				From STA # 323 to 327 SKIP, Due to Houses.			
253	328	331	-	426		9										50%							
SKIP	329	332	-	427		10										SKIP				Due to House.			
SKIP	330	333	-	428		11										SKIP				Due to trailer.			
254	331	334	-	429		12										50%							
255	332	335	-	430		13										50%							
256	333	336	-	431		14										50%							
SKIP	334	337	-	432		15										SKIP				Due to House.			
257	335	338	-	433		16										50%							
258	336	339	-	434		17										50%							
259	337	340	-	435		18	130									50%				E.O. t # 130, TAPE MKTS			
260	338	341	-	436		19	131	windstrip								60%				B.O. t # 131, 900 10sec ALL ONES			
261	338	341	-	436		19										50%							
262	339	342	-	437		20										50%							
263	340	343	-	438		21										50%				6 sweeps ONLY, File # 263.			
SKIP	341	344	-	439		22										SKIP				Due to STATE HI-WAY.			
SKIP	342	345	-	440		23										SKIP				Due to Houses.			
SKIP	343	346	-	441		24										SKIP				" " "			
264	344	347	-	442		25										50%							
265	345	348	-	443		26										50%							
SKIP	346	349	-	444		27										SKIP							
266	347	350	-	445		28										50%				STACKED LAST HALF.			

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

CREW NO. 6834		LINE NO. #15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER clear		TRAIL CONDITIONS shoulder		DATE MONTH 5 DAY 1 YEAR 84		CLIENT COCORP		OB R. PATON		PM L. DAVIS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "x"	PARITY			SHOOTING					INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS					NO. SUMS	DRIVE	
267	348	351	-	446	29	131	48								5	16	50%	394	990	stacked last HAIF.			
268	349	352	-	447	30												50%						
269	350	353	-	448	31												50%						
270	351	354	-	449	32												50%						
271	352	355	-	450	33												50%						
272	353	356	-	451	34												50%						
273	354	357	-	452	35												50%						
274	355	358	-	453	36												50%						
275	356	359	-	454	37												50%						
276	357	360	-	455	38												50%						
277	358	361	-	456	39	E.O.T #1311											50%			E.O.T #131, TAPE MKTS			
SKIP	359	362	-	457	40	SKIP											SKIP		From sta #359 to 372 SKIPS, Due to Houses				
278	373	376	-	471	25	132	windstrip										60%	423		and steep shoulder. B.O.T #132, 900			
279	373	376	-	471	25												50%			to see ALLONES. Recorder moved up			
280	374	377	-	472	26												50%			at 423-424			
SKIP	375	378	-	473	27												SKIP		Due to house.				
281	376	379	-	474	28												50%			stacked last HAIF.			
SKIP	377	380	-	475	29												SKIP		From sta #377 to 387 SKIP Due to Houses.				
282	388	391	-	486	40												50%			Vibs ARE ON DIRT ROAD.			
283	389	392	-	487	41												50%						
284	390	393	-	488	42										4	50%				4 sweeps only, File # 284.			
SKIP	391	394	-	489	43												SKIP						
285	392	395	-	490	44												50%		5:05				

CREW NO.	LINE #	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OR	PM	REMARKS								
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY	SIZE	TOP	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR							BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
933	PULSE	1	-	6	sec		132	48	missed sweep							5	16		445	990'		HARRIS CO. GEORGIA.
934	EINT	2	-	"	"																	5 Vibs, 1st Vib - 44 Behind
935	D.P.D	4	-	"	"																	Flag, 50' spacing, 20.6 move
936	SLIP	2	-	"	"																	ACTIVE Field 8:20
937	N.R.J	2	-	"	"																	UP, 16 sweeps, 16 sec sweeps
938																						32 sec Record
932	Similarity	1	-	16	sec																	Vibs ARE IN Valley and NOT
286	WINDSTRIP	1	-	32	sec	23																RECEIVING TONES VERY GOOD.
287	393	396	-	491		23										5	16	50%	10:10			Vibs ON DIRT ROAD.
288	394	397	-	492		24												50%				
289	395	398	-	493		25												50%				
290	396	399	-	494		26												50%				
291	397	400	-	495		27												50%				
292	398	401	-	496		28												50%				
293	399	402	-	497		29												50%				BLAST ON SWEEP #6, FILE #293.
294	400	403	-	498		30	132											50%				E.O.T #132, TAPE MKTS
295	401	404	-	499		31	133	WINDSTRIP										60%				B.O.T #133, 900 10 sec ALLOWED
296	401	404	-	499		31												50%				
297	402	405	-	500		32												50%				
298	403	406	-	501		33												50%				
299	404	407	-	502		34												50%				
300	405	408	-	503		35												50%				
301	409	412	503		35													50%				Vibs NOW SHAKING THROUGH SPREAD
302	412	408	409	415	503	35												50%				will VIBRATE EVERY 4th STATION.
SKIP	416	408	413	419	503	35												SKIP				will Kill 3 STATION EACH SIDE
303	417	408	414	420	503	35												50%				OF Vibs, C.D.P. WILL NOT MOVE.
304	421	408	418	424	503	35												50%				
SKIP	425	408	422	428	503	35												SKIP				Due to NO shoulder.
SKIP	429	408	426	432	503	35												SKIP				Due to House.
SKIP	433	408	430	436	503	35												SKIP				Due to NO shoulder.
305	440	408	437	443	503	35												50%				
306	444	408	441	447	503	35												50%				
932	Similarity	1	-	16	sec	236												30%				

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

19

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER cloudy		TRAIL CONDITIONS shoulder		DATE MONTH 5 DAY 2 YEAR 84		CLIENT COCORP		OB R. PATTEN		PM L. DAVIS	
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	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
SKIP	448	408	445	451	503	35	133	48						4	16	SKIP	4/45	990'					Due to House.
307	449	408	446	452	503	35			1					4		50%							Left side of Road.
308	453	408	450	456	503	35								5		50%							
SKIP	457	408	454	460	503	35										SKIP							
309	458	408	455	461	503	35									8	50%							8 Sweeps only, File # 309
310	462	408	459	465	503	35								4		50%							
311	466	408	463	469	503	35			1							50%							
SKIP	470	408	467	473	503	35										SKIP							Due to Houses.
312	472	408	469	475	503	35			1					5		50%							
SKIP	476	408	473	479	503	35										SKIP							
313	477	408	474	780	503	35										50%		4:30					
SKIP	481	408	478	784	503	35	133									SKIP							NOTE: E.O.T #133 TAPE PARTS will be picking up line moving to other side of Rail+Road tracks.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO.	LINE NO.	#/5	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB	REMARKS									
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	TR	TR	TR			TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
337	531	531	-	629	28		48								5	16	50%	578	990'				
338	532	535	-	630	29												50%						
SKIP	533	536	-	631	30												SKIP						Due to House.
339	534	537	-	632	31										8	30%							8 sweeps only, File #339.
340	535	538	-	633	32												50%						Vibs on shoulder of Road
341	536	539	-	634	33												50%						
342	537	540	-	635	34										4	50%							4 sweeps only, File #342.
SKIP	538	541	-	636	35												SKIP						Due to Very steep shoulder.
SKIP	539	542	-	637	36												SKIP						" " " " "
343	540	543	-	638	37												50%						
344	541	544	-	639	38												30%						Vibs went to Low Drive. 30%
345	542	545	-	640	39												30%						
346	543	546	-	641	40												30%				4:10		

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

22

CREW NO. 683X		LINE NO. #15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Dist road		DATE MONTH 5 DAY 7 YEAR 84		CLIENT Cocorp		OB R. PERRY PM 2 Davis		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS @ "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS	NO. Sums					DRIVE
933	Pucke	1	-	6	sec		135	48							5	16	50%	608	990'			GEORGIA
934	EINT	2	-	"	"																	5 Vib, 1st Vib -44' Behind Flag
934	D.R.D	4	-	"	"																	50' spacing, 20.6" MOVE UP, 16
934	Sum Test	2	-	"	"																	arrive Field
934	N.R.J	2	-	"	"		135															8:45
932	similarity	1	-	16	sec	12																took similarity through the line
347	WINDSTRIP	1	-	32	sec	14	136															4ms sample RATE, 62.5 Alias
SKIP	544	547	-	642		11																SKIP From STA# 544 to 546 Due to Houses.
348	547	550	-	645		14	1							5	16	30%						9:50
349	548	551	-	646		15																STARTED LAST HALF
350	549	552	-	647		16																50%
351	550	553	-	648		17																50%
352	551	554	-	649		18																50%
353	552	555	-	650		19																50%
354	553	556	-	651		20																50%
355	554	557	-	652		21																50%
SKIP	555	558	-	653		22																SKIP
SKIP	556	559	-	654		23																SKIP
356	557	560	-	655		24																50%
357	558	561	-	656		25																50%
358	559	562	-	657		26																50%
359	560	563	-	658		27																50%
360	561	564	-	659		28																50%
361	562	565	-	660		29																50%
362	563	566	-	661		30																50%
363	564	567	-	662		31																50%
364	565	568	-	663		32																50%
365	566	569	-	664		33																50%
366	567	570	-	665		34	136															50%
367	568	571	-	666		35	137															Wind strip
368	568	571	-	666		35																50%
369	569	572	-	667		36																50%

NOTE: cable crossing High-way at 659-660.

EOT # 136 Tape MLTs.
BOT # 137 *900 10sec All ones.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly Cloudy		TRAIL CONDITIONS Dirt Road		DATE MONTH 5 DAY 7 YEAR 84		CLIENT COCORP		OB R. Patten		PM L. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS OR "X"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE	
370	570	573	-	668	37	137	48								5	16	50%	608	990'				
371	571	574	-	669	38												50%						
372	572	575	-	670	39				1								50%						GOT BLAST ON SWEEP #13 UP # 572.
373	573	576	-	671	40												50%						
374	574	577	-	672	41												50%						
375	575	578	-	673	42												50%						
376	576	579	-	674	43												50%						
377	577	580	-	675	44												50%						
378	578	581	-	676	45												50%						
379	579	582	-	677	46												50%						
380	580	583	-	678	47												50%						
381	581	584	-	679	48												50%						
382	582	585	-	680	49												50%	4:10					Vibs now on shoulder.

CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OR	PM								
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P.	DIGITAL REEL NO.	GAIN	PARITY	SHOOTING				SUR. SOURCES			INST.	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR	POSITION		TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUNS	DRIVE	SET UP	DAY		
Pulse	933	1	-	6sec			137	48	17113						5	16	50	651	990		HARRIS CO. GEORGIA
934	FIN	2	-	" "																	5 Vib 1st Vib starts 44' Behind Flag
935	D.R.D	4	-	" "																	50' Spacing, 2016' Moveups, 16 Sec Sweep
936	Summit	2	-	" "																	16 sweeps, 32 sec Record, Alais 31.25.
937	N.R.5	2	-	" "			137														ARRIVE Field 8:45 E.O.T * 137 Tape MKTS.
932	Similarity	1	-	16sec											5		30%				Very wet, Along line.
383	WIND strip	1	-	32sec	7	138		4ms sample RATE, 62.5ALIAS									60%				BOT * 138 * 900 10sec ALL ONES.
384	583	586	-	681	7										4		30%	10:00			Vibs on shoulder off Road.
385	584	587	-	682	8												30%				NOTE: changed out Filter
386	585	588	-	683	9												30%				control card in IEP.
SKIP	586	589	-	684	10												30%				SKIP Due to House. STA # 647 OPEN, DUE TO A DRIVE WAY
387	587	590	-	685	11												30%				STA # 691, 699 will be OPEN.
388	588	591	-	686	12												30%				
389	589	592	-	687	13				1								30%				
390	590	593	-	688	14												30%				NOTE: WINDS ARE BLOWING AT 10-15 M.P.H.
391	591	594	-	689	15												30%				BLAST ON SWEEP # 13, File # 381.
392	592	595	-	690	16												30%				
393	593	596	-	691	17												30%				
394	594	597	-	692	18				1								30%				
395	595	598	-	693	19												30%				
396	596	599	-	694	20												30%				
397	597	600	-	695	21										5		30%				Vib # 17311, BACK ON LINE. HAD A
398	598	601	-	696	22												30%				4 way Valve leak.
399	599	602	-	697	23												30%				
400	600	603	-	698	24												30%				
401	601	604	-	699	25				1								30%				
402	602	605	-	700	26	138											30%				E.O.T # 138, TAPE MKTS.
403	603	606	-	701	27	139		WIND strip									60%				B.O.T # 139, 900 10sec ALL ONES.
404	603	606	-	701	27				1								30%				
405	604	607	-	702	28												30%				
406	605	608	-	703	29												30%				
407	606	609	-	704	30												30%				

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

25

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear, windy, Dirt Road		TRAIL CONDITIONS		DATE MONTH 5 DAY 9 YEAR 84		CLIENT COCORP		JOB R. Patton		PM L. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN FANPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. I.	N. UNITS	NO. SUMS	DRIVE					
408	607	610	-	705		31	139	48								5	16	302	651		990		
409	608	611	-	706		32												302					
410	609	612	-	707		33												302					
411	610	613	-	708		34												302					
412	611	614	-	709		35												302					
413	612	615	-	710		36												302					
414	613	616	-	711		37												302					
932	Similarity 1 - 16 sec					9										5	1	302		4:40			

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

26

CREW NO. 6834		LINE #15	LEAVE TOWN/CAMP 700	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Clear, wet, Dist Road	TRAIL CONDITIONS	DATE MONTH 5 DAY 10 YEAR 84	CLIENT COCORP	OR R. PATTON Z. DAVIS											
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	TR	TR	TR			FAMPS	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE				
933	Pulse	1	-	6	sec		139	48								5	16	50%	683	790		GEORGIA, Harris co.
934	EINT	2	-	"	"																	5 Vibs, 1st Vib start -44' Behind
935	D.R.D	4	-	"	"																	Flag, 50' spacing, 20% make up
936	sum	2	-	"	"																	16 sec sweep, 16 sweep, Alias
937	N.R.J	2	-	"	"																	31.25, 32 sec Record.
932	Similar	1	-	16	sec	236										5	30%		9:10			STA #647, 691, 699, OPEN, Due
415	windsnip	1	-	32	sec	6																to Bridge and DRIVEWAYS.
416	614	617	-	712		6														9:50		Cable across High-way 65+
417	615	618	-	713		7																660.
418	616	619	-	714		8				1												
419	617	620	-	715		9	139															E.O.T #139, TAPE MKTS.
420	618	621	-	716		10	140	windsnip														B.O.T #140, 900 10 sec ALL ONES.
421	618	621	-	716		10				1												
422	619	622	-	717		11																From #706 = 723 Hwy #100 Lot of
423	620	623	-	718		12				1												Traffic.
424	621	624	-	719		13																
425	622	625	-	720		14																
426	623	626	-	721		15																
427	624	627	-	722		16																
428	625	628	-	723		17										4						Vib #23652 Down, BACK Pump leak.
429	626	629	-	724		18																
430	627	630	-	725		19																
431	628	631	-	726		20																
432	629	632	-	727		21																
433	630	633	-	728		22																
434	631	634	-	729		23																
435	632	635	-	730		24																
436	633	636	-	731		25																
437	634	637	-	732		26				1												
438	635	638	-	733		27				1												
439	636	639	-	734		28																
440	637	640	-	735		29	140															E.O.T #140, TAPE MKTS.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

27

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Road		DATE MONTH 5 DAY 10 YEAR 84		CLIENT Cocorp		OB R. Patten		PM L. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PPMPS DE K	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.I.	N. UNITS	NO. SUMS	DRIVE					
SKIP	638	641	-	736	30	141	48								4	16	SKIP 683	990					B.O.T #140, 900 10sec ALLOWES.
SKIP	638	641	-	736	30	SKIP											SKIP						Due to A Pipe Line
441	639	642	-	737	31	141											60%						
442	639	642	-	737	31												50%						
443	640	643	-	738	32												50%						
444	641	644	-	739	33												50%						
445	642	645	-	740	34												50%						
446	643	646	-	741	35												50%						
SKIP	644	647	-	742	36												SKIP						Due to A House.
447	645	648	-	743	37										8	50%							8 SWEEP ONLY, File #447.
448	646	649	-	744	38												50%						
449	647	650	-	745	39												50%						4:20

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

29

CREW NO. 6834		LINE # 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Road		DATE MONTH 5 DAY 11 YEAR 84		CLIENT COCORP		OB R. PATTON		PM J. DAVIS		
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	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS	NO. Sums	DRIVE						
475	672	675	-	770	31	142	48								5	16	50%	7/16					990'	
SKIP	673	676	-	771	32																			Due to NO shoulder.
476	674	677	-	772	33																			
SKIP	675	678	-	773	34																			Due to steep shoulder.
SKIP	676	679	-	774	35																			" " " "
477	677	680	-	775	36																			
478	678	681	-	776	37	142																		E.O.T# 142, TAPE MKTS

REQ. NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OP.	PM													
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. R.	DIGITAL	GAIN	PARITY	SHOOTING				SUR. SOURCES			INST.	TIME	STA.	REMARKS						
		TR	TR	TR	TR	POSITION	REEL NO.	PAMPS OR "X"	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. Sums	DRIVE	SET UP		DAY	OFFSET TO LINE				
0834	15	7:00																			5	12	84	COCORP	R. Patton	L. Davis
933	Pulse		1	-	6 sec		143	48									5	16	50%	750		990'	Georgia, Harris Co.			
934/935	EINT		2	-	" "																		BOT # 143 * 900 10 sec All ones.			
936/939	DRD		4	-	" "																		5 Vibs, 1st vib -44' behind			
953/954	Sum Test		2	-	" "																		Flag, 50' spacing, 20.2' more up.			
960/961	NRS Test		2	-	" "																		16sec sweep, 16 sweep, 32sec			
932	Similarity		1	-	16 sec																		Record. Alias 31.25, 8ms sample			
479	windstrip		1	-	32 sec	4																	Rate, STA # 691, 699, 746, OPEN			
480	679	682	-	777	4																		Due to Drive ways and Bridges,			
481	680	683	-	778	5																		STA # 717 OPEN, Due to men working			
482	681	684	-	779	6																		IN AREA.			
483	682	685	-	780	7																					
484	683	686	-	781	8																					
485	684	687	-	782	9																					
486	685	688	-	783	10																					
487	686	689	-	784	11																					
488	687	690	-	785	12																					
489	688	691	-	786	13																					
490	689	692	-	787	14																					
491	690	693	-	788	15																					
SKIP	691	694	-	789	16																					
492	694	697	-	792	19																					
493	695	698	-	793	20																					
494	696	699	-	794	21																					
495	697	700	-	795	22																					
496	698	701	-	796	23																					
SKIP	699	702	-	797	24																					
497	700	703	-	798	25	143																				
498	701	704	-	799	26	144																				
499	701	704	-	799	26																					
500	702	705	-	800	27																					
501	703	706	-	801	28																					
502	704	707	-	802	29																					

ARRIVE Field 8:40

took Similarity through the line
4ms sample RATE, 62.5 Alias

From STA # 691 to 693 Due to Bridge.
NOTE: Vibs HAD to go Around
Bridge: took 30 min.

Due to mud Hole.
EOT # 143 Tape MKTs.
BOT # 144 * 900 10sec All ones.

LOTS OF TRAFFIC Along LINE.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

31

CREEK NO. 683		LINE NO. #15		LEAVE TOWN/CAMP 700		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER clear		TRAIL CONDITIONS Dirt Road			DATE MONTH 5 DAY 12 YEAR 84			CLIENT SAGEP		OR R. PATEN L. DAVIS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS BY XC	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. Sums					DRIVE	
503	705	708	-	803	30	144	48								5	8	50%	750	990'	8 Sweeps only, File # 503			
SKIP	706	709	-	809	31										SKIP			3:00		From STA# 706 to 723 SKIP Due to HWY #100. Will Be start on STA# 724 on the shoulder.			

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Shoulder		DATE MONTH 5 DAY 14 YEAR 84		CLIENT COCORP		OBS. R. Patton		PM P. Dallis		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS OR "K"	PARITY TAPE	MEMORY TRACES	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR						SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS							
933	Pulse		1	-	6	sec	144	48						5	16	50%	79%	990	GEORGIA, HARTIS CO.					
934/935	EINT		2	-	"	"													5 Vib, 1st Vib-44' Behind Flag					
936/939	DRD		4	-	"	"												8:45	50' spacing, 20' move up, 1/6 sec sweep, 16 sweep, 32 sec Record					
953/954	Sum Test		2	-	"	"													Alias 31.25, 8ms sample RATE.					
960/961	NRS Test		2	-	"	"													STA 746 OPEN Due to DRIVEWAY.					
932	Similarity		1	-	16	sec													will take a similarity later on today.					
504	windstrip		1	-	32	sec	6												4ms sample RATE, 62.5 Alias					
SKIP	724	727	-	822			SKIP												Vibs on shoulder on Road.					
505	727	730	-	825			7							4	16	30%	10:15		STA 724 to 726 SKIP Due to Very steep shoulders. (Vib #17311 Down)					
SKIP	728	731	-	826			8												Due to HOUSES. (working on ENGINE BACK)					
SKIP	729	732	-	827			9												" " "					
506	730	733	-	828			10												" " "					
507	731	734	-	829			11												Vibs went to 50% Drive.					
508	732	735	-	830			12							8	50%				8 sweets only, File # 508					
SKIP	733	736	-	831			13												Due to a House.					
509	734	737	-	832			14												" " "					
510	735	738	-	833			15												" " "					
511	736	739	-	834			16												" " "					
512	737	740	-	835			17							6	50%				6 sweets only, File # 512					
513	738	741	-	836			18							6	50%				6 sweets only, File # 513					
514	739	742	-	837			19												" " "					
515	740	743	-	838			20	144											E.O.T #144, TAPE MKTS					
SKIP	741	744	-	839			21	SKIP											Due to a steep shoulder.					
516	742	745	-	840			22	145	windstrip										B.O.T #145, 900 10 sec ALLOWS					
517	742	745	-	840			23							5	50%				Vib #17311, BACK ON LINE.					
518	743	746	-	841			24												" " "					
SKIP	744	747	-	842			25												Due to steep shoulder.					
SKIP	745	748	-	843			26												Due to a House.					
519	746	749	-	844			27												" " "					
520	747	750	-	845			28							4	30%				LAST MAIL.					
SKIP	748	751	-	846			29												4 sweets only, File # 520					
521	751	754	-	849			30												From STA # 748 to 750, Due to Houses.					

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS SQUIDDER			DATE MONTH 5 DAY 14 YEAR 84		CLIENT COCORP		OB. R. Patten		PM L. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE						
522	752	755	-	850	31	145	48								5	16	50%	796	990					
523	753	756	-	851	32										6	50%							6. sweeps ONLY, File # 523.	
SKIP	754	757	-	852	33																		From STA. 754 to 757 SKIP Due to Houses.	
524	758	761	-	856	37																		NOTE: thunder clouds in AREA. Bad Thunder Clouds, LOT OF Thunder & lightning Shutting DOWN.	

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

34

CREW NO. 6834		LINE # 15		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear, w/lt. shoulder		TRAIL CONDITIONS		DATE MONTH 5 DAY 15 YEAR 84		CLIENT Occorp		OB B. Patton		PM L. Davis	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or %	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE	
933	Pulse	1	-	6	sec		145	48							5	16	50%	827	990	GEORGIA, HALLIS CO.			
934	EINT	2	-	"	"															5 Vib, 1st Vib -44' Behind Flag			
935	D.R.D	4	-	"	"															50' spacing, 20% move up, 1/2 sec sweep, 16 sweep, 32sec Record			
936	sum test	2	-	"	"															Alline Field 8:45 31.25 Alias, 8ms sample RATE.			
937	N.R.T	2	-	"	"																		
932	similarity	1	-	16	sec	236								1	30%		9:10			cable crossing HWY AT 840 841.			
525	wind strip	1	-	32	sec	7														4ms sample RATE, 62.5 Alias Vib on shoulder on Road.			
526	759	762	-	857		7								5	6	30%	10:30			6 sweeps only, File # 526			
SKIP	760	763	-	858		8														Due to A House.			
527	761	764	-	859		9								16	30%					NOTE: MEN WORKING AROUND STA # 850 to 870.			
528	762	765	-	860		10									30%								
529	763	766	-	861		11									30%								
SKIP	764	767	-	862		12									SKIP					Due to Houses.			
SKIP	765	768	-	863		13									SKIP					" " "			
530	766	769	-	864		14									30%					stacked 1st half.			
SKIP	767	770	-	865		15									SKIP					Due to Houses.			
SKIP	768	771	-	866		16									SKIP					" " "			
SKIP	769	772	-	867		17									SKIP					" " "			
531	770	773	-	868		18								8	30%					stacked last Half. 8 sweeps ONLY.			
532	771	774	-	869		19									30%					NOTE: Replacing Leaking cable.			
533	772	775	-	870		20	145								30%					E.O.T # 145, TAPE MKTS			
534	773	776	-	871		21	146	windstrip							60%					B.O.T # 146, 900 laser ALL ONES.			
535	773	776	-	871		21									30%					NOTE: Lots of TRAFFIC Along line.			
536	774	777	-	872		22									30%								
SKIP	775	778	-	873		23									SKIP					Due to A House.			
537	776	779	-	874		24								8	30%					8 sweeps only, File # 537.			
538	777	780	-	875		25									30%								
539	778	781	-	876		26									30%					NOTE: Replacing Leaking cable.			
540	779	782	-	877		27									30%					Left side of Road.			
SKIP	780	783	-	878		28									SKIP					From STA # 780 to 784 Due to Houses.			
541	785	788	-	883		33								6	30%					6 sweeps only, File # 541			
SKIP	786	789	-	884		34									SKIP					From STA # 786 to 787 SKIP Due to Houses.			

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

35

CREW NO. 6834		LINE # 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Shoukhet			DATE MONTH 5 DAY 15 YEAR 84		CLIENT COCORP		OP R. PATTON		PM L. DAVIS			
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN	PARITY		SHOOTING						INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS						
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS					NO. BUMS	DRIVE				
542	788	791	-	786		146	48																		GEORGIA, Harco. 6 sweeps only, File #542	
																									2:50	

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

36

CREW NO. 6834		LINE NO. 15	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Clear	TRAIL CONDITIONS Shoulder	DATE MONTH 5 DAY 16 YEAR 84	CLIENT Cocorp	OB R. Patton	PM L. Davis						
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)			C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS OF %	PARITY TAPE MEMORY	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR				SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE			
933	Pulse			1-6	sec	146	48						4	16	30	84	990	GEORGIA, HARRIS CO.
934/935	EINT			2-	" "													5 Vibs 1st Vib start -44'
936/939	DRD			4-	" "													Behind Flag 50' spacing, 20.6
953/954	Sum Test			2-	" "													move UP, 16 sec sweep, 16 sweep
960/961	NRS Test			2-	" "													32sec Record. 8ms sample RATE.
932	Similarity			1-	16 sec	236							4	1	30	8	9:10	ARRIVE Field 8:45
543	Wind strip			1-	32 sec	18												CABLE crossing HWY AT 840-841
544	789	792	-	887		18							4	16	30	8	10:15	and AT 890-891
545	790	793	-	898		19												NOTE: MEN WORKING ALL ALONG LINE
546	791	794	-	889		20												LOTS OF TRAFFIC. 860 to 875
547	792	795	-	890		21												Vib # 23652 Down, working on back
SKIP	793	796	-	891		22												4 Vibs, 1st Vib starts 69' Behind Flag.
SKIP	794	797	-	892		23												STA # 890 open due to Bridge.
548	795	798	-	893		24												Due to steel shoulder.
549	796	799	-	894		25												" " " "
550	797	800	-	895		26												
551	798	801	-	896		27	146											
552	799	802	-	897		28	147	Wind strip										
553	799	802	-	897		28												
554	800	803	-	898		29							8					
SKIP	801	804	-	899		30												
555	815	818	-	910		41												
556	816	819	-	910		41												
557	817	820	-	910		41												
558	818	815	821	910		41												
559	819	815	816	822	910	41												
560	820	815	817	823	910	41							6					
SKIP	821	815	818	824	910	41												
561	831	815	828	834	910	41												
562	832	815	829	835	910	41							8					
SKIP	833	815	830	836	910	41												
563	845	815	842	848	910	41							8					

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

CREW NO. 6834		LINE NO. 15		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Shoulder		DATE MONTH 5 DAY 16 YEAR 84		CLIENT Cocopp		OB R. Patton		PM L. Davis		
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	TR	TR	TR					TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS					NO. SUMS	DRIVE	
564	846	815	843	849	910	41	147	48						4	4	302	846	990					4 sweeps only, File # 564	
SKIP	847	815	844	850	910	41										SKIP							From STA # 847 to 863 Due to Houses.	
565	864	815	861	867	910	41										16	302							
566	865	815	862	868	910	41										4	302						4 sweep only, File # 566.	
SKIP	866	815	863	869	910	41										SKIP							Due to Houses.	
SKIP	867	815	864	870	910	41										SKIP							" " "	
567	868	815	865	871	910	41										16	302							
568	869	815	866	872	910	41											302							
569	870	815	867	873	910	41											302							
570	871	815	868	874	910	41											302							
SKIP	872	815	869	875	910	41											SKIP							From 872-874 Due to houses.
571	875	815	872	878	910	41										8	302						8 sweeps only.	
SKIP	876	815	873	879	910	41											SKIP							Due to House.
572	877	815	874	880	910	41										4	302						4 sweeps only.	
SKIP	878	815	875	881	910	41											SKIP							Due to House.
573	879	815	876	882	910	41	147									8	302						8 sweeps only, EOT # 147 Tape MKTs.	
574	880	815	877	883	910	41	148		wind strip								60db							BOT # 148 * 900 10 sec All ones.
575	880	815	877	883	910	41											302							
576	881	815	878	884	910	41											302							
SKIP	882	815	879	885	910	41											SKIP							From 882-885 Due to Houses.
577	886	815	883	889	910	41										6	302							6 sweeps only
SKIP	887	815	884	890	910	41											SKIP							Due to Houses.
578	893	815	890	896	910	41										6	302							6 sweeps only
SKIP	894	815	891	897	910	41											SKIP							Due to Houses.
579	900	815	897	903	910	41	148									8	302							8 sweeps only, EOT # 148 Tape MKTs.
SKIP	901	815	898	904	910	41											SKIP							From 901-910 Due to Houses. EOL # 15. Picking up Rest of Line.