

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 22		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Shoulder		DATE MONTH 4 DAY 19 YEAR 85		CLIENT COCORP		OB R. Patten		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 48	TR 49	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS	NO. SUMS							
933	PULSE		1	6	sec		806	48									202			Georgia Butts & HENRY CO. 3 station gap. 1 open behind Vibz and 1 open in front				
934/935	EINT		2	"	"															5 Vibz 1st Vib starts 6' past Flag 7.5' spacing, 41.25' move ups, 32 sec sweep, 48 sec Record, 8 sweeps, 31.25 Hz ALIAS,				
936/937	DRD		4	"	"										ARRIVE FIELD		820			10 → 32 Hz sweep freq, 8 ms sample rate.				
953/954	Sum TEST		2	"	"															Sims taken through line with CAMERA 4 1 30% 9:15				
960/961	NRS TEST		2	"	"															4 ms sample rate ALIAS 62.5 60db				
932	Similarity		1	32	sec															STA # 183 open due to hiway #16				
109	Windstrip		1	48	sec	1														4 Vibz 1st Vib starts 32' past flag				
110	180	131	178	182	229	1														50%				
111	181	132	179	183	230	2														STA # 256 + 258 open due to paved driveway				
Skip	182	133	180	184	231	3														VPs # 182 thru 184 skipped due to houses				
112	185	136	183	187	234	6	806													E.O.T. # 806 TAPE mkt's				
113	186	137	184	188	235	7	807		Windstrip											B.O.T. # 807 # 900 10 SEC 4110VES				
114	186	137	184	188	235	7														Cable crossing paved rd's @ 172 + 173,				
115	187	138	185	189	236	8														183 + 184 hiway #16 + 212 + 213				
116	188	139	186	190	237	9														First halt				
Skip	189	140	187	191	238	10														VP # 189 skipped due to a house.				
117	190	141	188	192	239	11														last halt				
118	191	142	189	193	240	12														First halt				
Skip	192	143	190	194	241	13														skipped due to a house VP # 192				
119	193	144	191	195	242	14														last halt				
120	194	145	192	196	243	15														No CORRELATOR problems with power				
121	195	146	193	197	244	16														supply # 2. RAW DATA RECORDS ONLY.				
Skip	196	147	194	198	245	17														VP # 196 skipped due to a house.				
122	197	148	195	199	246	18														last half light blast on SWEEP # 8				
123	198	149	196	200	247	19														30%				
124	199	150	197	201	248	20														30%				
125	200	151	198	202	249	21														50%				
126	201	152	199	203	250	22	807													E.O.T. # 807 TAPE mkt's				
127	202	153	200	204	251	23	808		Windstrip											B.O.T. # 808 # 900 10 SEC 4110VES				
128	202	153	200	204	251	23														50%				
129	203	154	201	205	252	24														50%				
130	204	155	202	206	253	25														50%				

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 22		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS SHOULDER			DATE MONTH 4 DAY 19 YEAR 85		CLIENT GECORP		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 48	TR 49	TR 96				TAPE	MEMORY ADJUSTED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE								
131	205	156	203	207	254	26	808	48								4	8	50%	202						GEORGIA BUTTS + HEURY CO. 3 STA GAP	
132	206	157	204	208	255	27												50%								
133	207	158	205	209	256	28												50%								
134	208	159	206	210	257	29												50%								
135	209	160	207	211	258	30												50%								
136	210	161	208	212	259	31												50%								
137	211	162	209	213	260	32	808											50%							STA # 260 E.O.L. # 22	
138	212	165	---	---	260	35	809											60db							B.O.T. # 809 # 900 10 SEC W/ LOVES	
139	212	165	---	---	260	35												50%							STARTING WITH UP # 212 VIBS WILL SHAKE	
140	215	165	---	---	260	35												50%							EVERY OTHER ONE TO E.O.L. NO GAP	
141	217	165	---	---	260	35												50%							VIBS WILL BE SHAKING ON LIVE STAS +	
142	219	165	---	---	260	35												50%							COP WILL NOT CHANGE.	
143	221	165	---	---	260	35												50%								
144	222	165	---	---	260	35												50%								First half
145	224	165	---	---	260	35												50%								
146	226	165	---	---	260	35												50%								
147	229	165	---	---	260	35												50%								
148	231	165	---	---	260	35												50%								
149	233	165	---	---	260	35												50%								
150	235	165	---	---	260	35												50%								
151	237	165	---	---	260	35	809											50%							E.O.T. # 809 TAPE MKTS	
152	239	165	---	---	260	35	810											60db							B.O.T. # 810 # 900 10 SEC W/ LOVES	
153	239	165	---	---	260	35												50%							First half	
154	241	165	---	---	260	35	810											30%		4:30					First half E.O.T. # 810 TAPE MKTS VIBS # 242 thru 260 SKIPPED DUE TO MUSES.	



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 22		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS SHOULDER		DATE MONTH 4 DAY 18 YEAR 85		CLIENT COCORP		JOB 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 42	TR 49	TR 96				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
085	136	87	134	138	185	30	804	48							4	8	30%	129					GEORGIA, BUTTS CO. 3 STA GAP
086	137	88	135	139	186	31											30%						
Skip	138	89	136	140	187	32											Skip						
Skip	139	90	137	141	188	33											Skip						
087	140	91	138	142	189	34	804										30%						last halt E.O.T. #804 TAPE MKTS.
088	141	92	139	143	190	35	805										60%						B.O.T. #805 #900 10 SEC ALLOWES
089	141	92	139	143	190	35											50%						
090	142	93	140	144	191	36											30%						
091	143	94	141	145	192	37									4		30%						First halt
Skip	144	95	142	146	193	38											Skip						UP #145 SKIPPED DUE TO A HOUSE
092	145	96	143	147	194	39											30%						last halt
093	146	97	144	148	195	40											30%						
094	147	98	145	149	196	41											30%						last halt
Skip	148	99	146	150	197	42											Skip						
095	151	102	149	153	200	45											30%						First halt
Skip	152	103	150	154	201	46											Skip						UP #152+HRO 156 SKIPPED DUE TO HOUSES
096	157	108	155	159	206	1											30%	179					last halt MOVED UP RECORDER 179+180
097	158	109	156	160	207	2											50%						
098	159	110	157	161	208	3											50%						
099	160	111	158	162	209	4											50%						
100	161	112	159	163	210	5											50%						
101	162	113	160	164	211	6	805										30%						First halt E.O.T. #805 TAPE MKTS.
Skip	163	114	161	165	212	7											Skip						UP #163 SKIPPED DUE TO A HOUSE
102	164	115	162	166	213	8	806										60%						B.O.T. #806 #900 10 SEC ALLOWES
103	164	115	162	166	213	8											30%						last halt
104	165	116	163	167	214	9											30%						First halt
Skip	166	117	164	168	215	10											Skip						UP #166 SKIPPED DUE TO A HOUSE.
105	167	118	165	169	216	11											30%						First halt
106	168	119	166	170	217	12									4		30%						
Skip	169	120	167	171	218	13											Skip						UP #169+HRO 177 SKIPPED DUE TO HOUSES
107	178	129	176	180	217	22											50%						
108	179	130	177	181	218	23											50%						4:50





# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 22		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS DIRT RD		DATE MONTH 4 DAY 16 YEAR 85		CLIENT Cocopp		OB R. Patten		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						INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR 1	TR 48	TR 49	TR 46				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS						NO. SUMS	DRIVE
933	Pulse		1	6	sec		798	48			B.O.T. #798	#900	10	SEC	ALLOWES	64		SPLIT spread	Georgia Butts CO. + MOVADE CO.			3 STATION Gap VibS will be shaking	
934/935	EINT		2	"	"																	+ HUR SPREAD UNTIL STA #50 (NO GAP)	
936/939	DRD		4	"	"																	CDP will not change. 5 VibS 1st vib	
953/954	Sum Test		2	"	"																	STARTS 6' PAST FLAG, 75' SPACING, 41.25' MOVE	
960/961	NRS Test		2	"	"																	UPS, 32 SEC SWEEP, 48 SEC RECORD, 8 SWEEPS	
932	Similarity		1	32	sec									4	1	30%						109 32hz SWEEP FREQ, 8ms SAMPLE RATE	
001	wind strip		1	48	sec	9			4ms Sample Rate Alias		62.5					60dB						Vib # 25 865 down during simo due to	
002	1	1			96	9								5	8	30%						A BAD SERVO VALVE CABLE.	
003	4	1			96	9										30%						VP # 2+3 SKIPPED DUE TO A SAW MILL	
004	5	1			96	9										50%						VibS will be starting in MOVADE CO.	
005	6	1			96	9										50%						OO A DIRT RD.	
006	11	1			96	9										30%						VPs # 7 thru 10 SKIPPED DUE TO HOUSES	
007	12	1			96	9										30%						First halt, Wind is picking up 10-15 mph	
008	14	1			96	9										50%						STA # 44 OPEN DUE TO A PAVED DRIVEWAY	
009	18	1			96	9										50%						VP # 16 SKIPPED DUE TO A BRIDGE	
010	20	1			96	9										50%						Thunder clouds in AREA.	
011	21	1			96	9	798									30%						First halt E.O.T. #798 TAPE MKTS	
012	24	1			96	9	799		Wind strip							60dB						B.O.T. #799 #900 10 SEC ALLOWES	
013	24	1			96	9										50%						CABLE CROSSING PAVED RDS @ STAS #	
014	26	1			96	9										50%						33+34, 64+65, AND 81+80	
015	28	1			96	9										30%						First halt	
016	31	1			96	9								4		30%						" " DUE TO A HOUSE	
017	35	1			96	9			VibS ARE BACKUP HOLDER OF A PAVED RD.							30%						VPs # 32 thru 34 SKIPPED DUE TO HOUSES	
018	36	1			96	9										30%						First halt	
019	38	1			96	9										50%							
020	40	1			96	9										50%						VPs # 42+44 SKIPPED DUE TO HOUSES	
021	45	1			96	9										50%						Last halt	
022	46	1			96	9	799									50%		4:30				" " E.O.T. #799 TAPE MKTS.	
023	53	4	51	57	"																	VPs # 47 thru 52 SKIPPED DUE TO HOUSES	



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

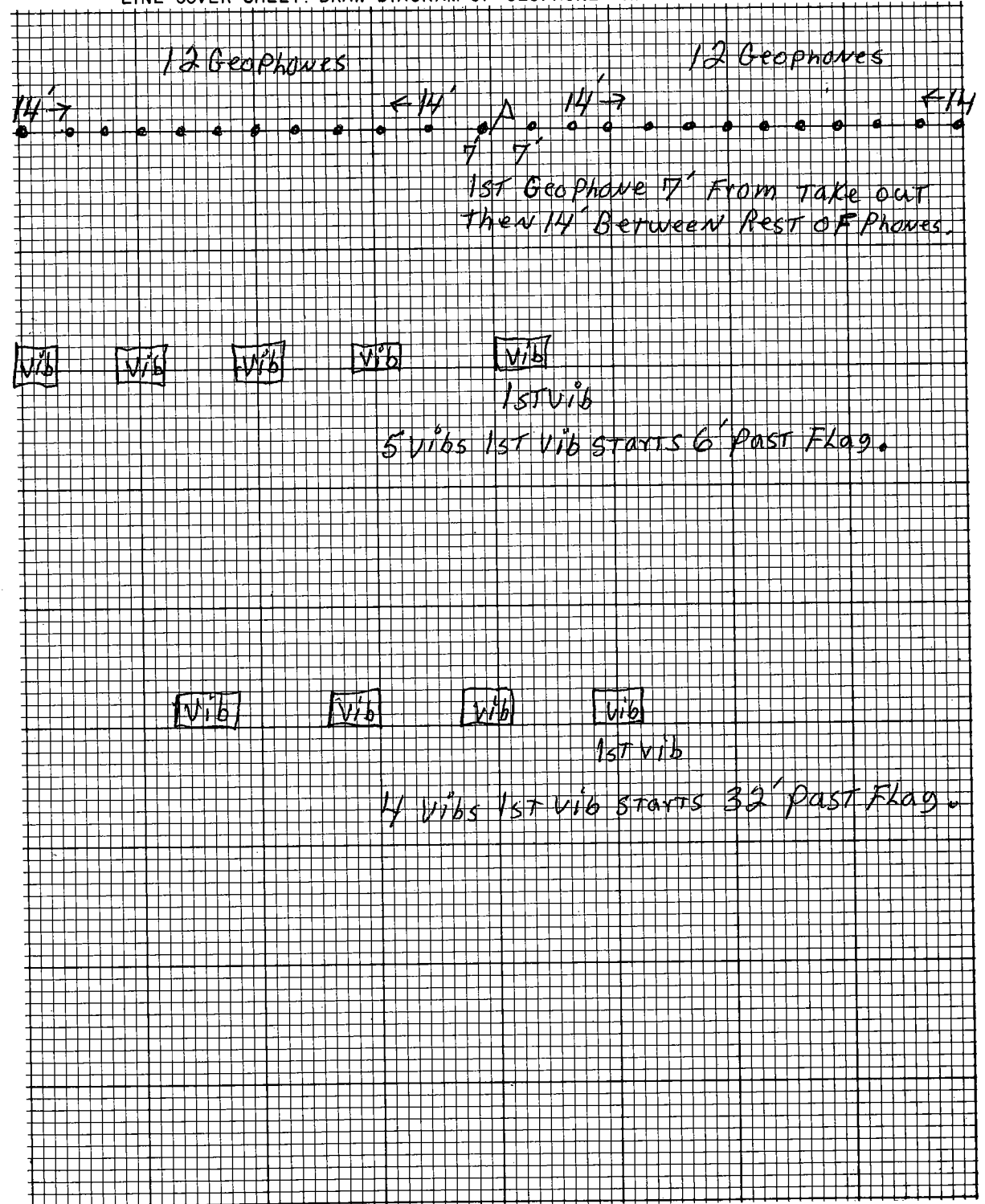
GENERAL			
Crew No.	6834	Contract No.	799
Client	COCORP		
Area	Georgia		
Country	Georgia		
County	MONROE		
Concession	Georgia		
State	Georgia		
Party Mgr.	B. Cassidy	OB/O	R. Patton
Line No.	22	Date Start	4-16-85
Sta. Int.	330'	Feet	Fold 48008
Spread Dimensions	L-48 3sta 49-96		
VP's Increase	N	E	S W
	S → N	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

RECORDING SYSTEM	
Type:	MDS-10
Format:	SEG B
No. of Channels:	96
Sample Rate:	8
Record Length:	48 sec
BPI:	800
Low-Cut Filter	Freq: OUT Slope: OUT
High-Cut Filter	Freq: ALIAS 31.25kHz Slope: OUT
Static Filter	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
Notch Filter	In <input checked="" type="checkbox"/> Out <input type="checkbox"/> 60Hz
UH Ch. On Tape	Wireline On Tape N/A Radio On Tape N/A
Sweep Ch. On Tape	AUX 2 92V0 50 AUX 4 92V0 52

ENERGY SOURCE	
Type:	4 x 1100s vibrators 1 x 900 vibrator
Manufacturer:	George E Failing
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 sweeps
	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"/>

GEOPHONES			
Manufacture	MD 100s	Array Length	322'
Frequency	8 Hz	Array Width	IN Line
No. per string per trace	2-12 24 TOTAL	Array Centered	Across Between Sta <input type="checkbox"/> <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 <input type="checkbox"/> Phone <input type="checkbox"/>
		Separation between elements in the array	14.34 14'

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



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes  No  Invalid Channels: