



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

County Colquitt, Thomas

State GEORGIA

Party Mgr. L. DAVIS OB/JO R. PATTON

Line No. #12 Date Start of Line 3-12-84

Sta. Int. 330' Feet Meters 4800% Fold

Spread Dimensions 1-31350 96 990 99

VP's Increase N E S W
 5 → 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 24 TOTAL Centered

Separation Ser Par
 String
 Connected

Coil Res. 335 ohms
 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 R
 No. of Channels: 46
 Sample Rate: 8ms
 Record Length: 32 seconds
 BPI: 800

Low-Cut Filter Freq: OUT
 Slope: OUT

High-Cut Filter Freq: ALIAS 3125
 Slope: OUT

Static Filter In Out

Notch Filter In Out
 Hz

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

Sweep Ch. AUX 2 gain 50
 On Tape AUX 4 gain 52

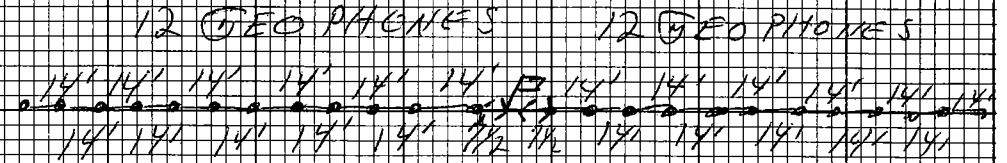
ENERGY SOURCE

Type: Y 1100 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: 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's
 1st Vib - 44' Behind Flag
~~NB~~ → ~~NB~~ → ~~NB~~ → ~~NB~~ → ~~NB~~

50' Spacing
 20.6' move up
 5 Vib's 16 sweep
 TYPE Y1100'S

4 Vib's

~~NB~~ → ~~NB~~ → ~~NB~~ → ~~NB~~

1st Vib = 69' Behind Flag

NOTE: Starting on V.P. #114, went to 4ms sample rate, 62.5 Alias.

REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes No Invalid Channels:

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE #12		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Road		DATE MONTH 3 DAY 12 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 "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	Pulse		1-6	sec		977	48							5	16	30%	74		990'	GEORGIA, THOMAS CO.			
934	EINT		2-11	11																B.O.T #977, 900 10sec ALL ONES.			
935	D.R.D		4-11	11																ARRIVE Field		Behind FLAG, 50' spacing, 20' 6 make	
936	summary		2-11	11															8:15	UP, STA# 65, 53, OPEN due to intersection			
937	N.I.R.J		2-11	11																STA# 90, 91, 92, OPEN, Bridge, STA#			
932	similarity		1-16	sec	236									5		30%			9:00	108 OPEN due to driveway.			
001	windstrip		1-32	sec	5															Alias 62.5, 4ms SAMPLE RATE			
002	4		7-10	2	5									5	16	30%			9:35	Vibs on shoulder off road, soft			
003	5		8-10	3	6											30%				terrain.			
004	6		9-10	4	7											30%							
005	7		10-10	5	8											30%							
SKIP	8		11-10	6	9											SKIP				From STA# 8 to 10 due to soft shoulder.			
006	11		14-10	9	12											6	30%			LAST HALF 6 SWEEP, ONLY.			
SKIP	12		15-11	10	13											SKIP				From STA# 12 to 17 SKIP due to houses,			
007	18		21-11	16	19											30%				and soft shoulder.			
008	19		22-11	7	20											30%							
009	20		23-11	8	21											30%							
010	21		24-11	9	22											30%							
011	22		25-12	10	23											30%							
012	23		26-12	11	24											30%				NOTE: WINDS ARE BLOWING AT 12			
013	24		27-12	12	25											30%				M.P.H.			
014	25		28-12	13	26											30%							
SKIP	26		29-12	14	27											SKIP				Due to soft shoulder			
015	27		30-12	15	28											30%				LAST HALF.			
SKIP	28		31-12	16	29											SKIP				Due to A WATER WELL.			
016	29		32-12	17	30											30%							
SKIP	30		33-12	18	31											SKIP				Due to A RAIN.			
017	31		34-12	19	32	977										30%				E.O.T #977, TAPE MKTS.			
018	32		35-13	0	33	978										60%				B.O.T #978, 900 10sec ALL ONES.			
019	32		35-13	0	33											30%							
020	33		36-13	1	34											30%							
021	34		37-13	2	35											30%							

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 212		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER <i>cloudy</i>		TRAIL CONDITIONS <i>Dirt Road</i>		DATE MONTH 3 DAY 12 YEAR 87		CLIENT <i>COCORP</i>		OB <i>R. PATTON</i>		PM <i>L. DAVIS</i>		
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						
022	35	38	-	133		36	978	48								5	16	30%	74				990'	
023	36	39	-	134		37												30%						
024	37	40	-	135		38												30%						
025	38	41	-	136		39												30%						
SKIP	39	42	-	137		40												SKIP						Due to HOUSE.
SKIP	40	43	-	138		41												SKIP						" " "
026	41	44	-	139		42												30%						LAST HALF.
027	42	45	-	140		43												30%						
028	43	46	-	141		44												30%						
029	44	47	-	142		45												30%						
030	45	48	-	143		46												30%						
SKIP	46	49	-	144		47												SKIP						Due to HOUSE.
SKIP	47	50	-	145		48												SKIP						" " "
031	48	51	-	146		49												30%				4:15		LAST HALF.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

6

GEO-252-D

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									
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					
091	148	151	-	246	39	982	48		Missed sweeps						5	16	30%	184		990	E.O.T #982, TAPE MKTS.	
092	149	152	-	247	40	983		w/ wind strip													B.O.T #983, 900 10rec ALL ONES	
093	149	152	-	248	40																	
094	150	153	-	248	41																	Very RUSY HI-WAKE AT STA #254
095	151	154	-	249	42																	Cable crossing.
096	152	155	-	250	43										8		30%					8 sweep ONLY, File #096.
SKIP	153	156	-	251	44												SKIP					From STA #153 to 156, Due to Houses.
097	157	160	-	253	48										8		30%					8 sweep ONLY, File #097
098	158	161	-	256	49												30%					
099	159	162	-	257	13													30%	221			Recorder MOVED UP AT 221+222
100	160	163	-	258	14				1									30%				
101	161	164	-	259	15	983																E.O.T #983, TAPE MKTS.
102	162	165	-	260	16	984		w/ wind strip														B.O.T #984, 900 10rec ALL ONES.
103	162	165	-	260	16																	1st HALF
SKIP	163	166	-	261	17																	Due to House.
104	164	167	-	262	18										8		30%					8 sweep ONLY, File 104, LAST HALF
105	165	168	-	263	19																	
106	166	169	-	264	20																	
107	167	170	-	265	21																	
108	168	171	-	266	22																	
SKIP	169	172	-	267	23																	From STA #169 to 172, Due to Houses
109	173	176	-	271	27																	
SKIP	174	177	-	272	28																	Due to Houses.
SKIP	175	178	-	273	29																	" " " "
110	176	179	-	274	30																	
SKIP	177	180	-	275	31																	From STA #177 to 185 SKIP, Due to Houses
111	186	189	-	284	40																	LAST HALF
SKIP	187	190	-	285	41	984																5:30 From STA #187 to 196, Due to Houses.
																						E.O.T #984, TAPE MKTS.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

7

GEO-252-D

CREW NO. 6833		LINE # 12	LEAVE TOWN/CAMP 7:10	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER clear	TRAIL CONDITIONS Shoulder	DATE MONTH 3 DAY 15 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 "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS				
933	Pulse	1	-6	sec		985	48												GEORGIA, Colquitt Co.	
934	EINT	2	-11	"															B.O. #985, 900 10sec ALLOWES	
936	DRD	4	-11	"															5 Vib, 1st Vib - 44' Behind Flag.	
953	SUM TEST	2	-11	"															50' spacing, 20.2' more up. 16 sec	
954	TEST	2	-11	"															Sweep, 16 sweep, 32 sec Record	
980	N.R.J.	2	-11	"															ARRIVE Field 7:30	
112	Windstrip	1	-32	sec	13														Similarity 8:30	
113	197	200	-295		3														5 8 30% 9:15	
SKIP	198	201	-296		4														8 sweep only. LAST HALF	
114	210	213	-308		16														Due to Houses, From STA#198 to 209.	
115	211	214	-309		17														Cable crossing HI-WAY AT 254	
116	212	215	-310		18															
117	213	216	-311		19															
118	214	217	-312		20															
119	215	218	-313		21															
120	216	219	-314		22	985													30%	
121	217	220	-315		23	986	Windstrip												40%	
122	217	220	-315		23														30%	
123	218	221	-316		24														30%	
124	219	222	-317		25														30%	
125	220	223	-318		26														30%	
126	221	224	-319		27														30%	
SKIP	222	225	-320		28														SKIP	
127	228	231	-326		34														From STA#222 to 227, Due to Houses.	
SKIP	229	232	-327		35														LAST HALF.	
SKIP	230	233	-328		36														Due to ABARIL.	
128	231	234	-329		37														" " "	
SKIP	232	235	-330		38														Due to WATER WELL.	
129	233	236	-331		39														30%	
130	234	237	-332		40														30%	
SKIP	235	238	-333		41														SKIP	
131	240	243	-338		46	986													10 30%	
SKIP	241	244	-339		47														SKIP	
																			From STA#235 to 239, Due to House.	
																			10 sweep only. E.O.#986 TAPE MKTS	
																			From STA#241 to 243, Due to House	

