

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 24		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Paved Rd.		DATE MONTH 5 DAY 20 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					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		855	48																Georgia CARROLL Co.
934	EINT		2-6	"																			NO Gap, 5 vibs 1st START 6' past flag
936/937	DRD		4-6	"																			75' spacing, 41.25' move ups, 32 sec
953/954	SUM Test		2-6	"																			ARRIVED AT FIELD
960/961	NRS Test		2-6	"																			sweeps 48 record, 8 sweeps, Alias
932	Sim HARTY		1-32	"																			31.25 Hz 10-32 Hz sweep freq
211	WINDSTRIP		1-48	"	40																		8 ms SAMPLE RATE
212	WINDSTRIP		1-48	"	40																		NOTE: STATION #314 open due to
213	338	272			367	40									5	8	30%						highway + STA. #345 open due to
214	339	272			367	40											30%						a driveway
SKIP	341	272			367	40											30%						NOTE: 60 Hz on the line due
215	342	272			367	40											30%						to a power plant.
216	343	272			367	40											30%						UP #341 skipped due to house
SKIP	344	272			367	40											30%						LAST HALF
217	349	272			367	40											30%						FIRST HALF
SKIP	350	272			367	40											30%						VP's 344 thru 348 skipped due to houses
218	359	272			367	40											30%						FIRST HALF
219	360	272			367	40											30%						VP's #350 thru #358 skipped due to houses
SKIP	361	272			367	40											30%						LAST HALF
SKIP	362	272			367	40											30%						VP's #361 + #362 skipped due to houses
220	363	272			367	40											30%						
221	364	272			367	40											30%						
222	365	272			367	40	855										30%						10:15
																							FIRST HALF, E.O.T. TAPE MKTS

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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.												
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	TR	TR	TR			TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE								
198	270	261	—	356	29	853	48		Missed sweep						5	8	30%	304						Georgia CARROL Co	
SKIP	271	261	—	356	29													SKIP						No GAP, E.O.T. #853 Tape MKTs	
SKIP	272	261	—	356	29													SKIP						VPs #271 + #272 skipped due to houses	
199	273	—	270	277	360	27	854	windstrip	8ms sample rate	Alias	312	5Hz	60db											BO.T. #854 #900 10 sec ALL ones	
200	273	—	270	277	360	27		windstrip	8ms sample rate	Alias	62.5	Hz	60db												
201	273	—	270	277	360	27												50%						6 STA. GAP between 12+13 staggered	
SKIP	274	—	270	278	361	28			VP #274 thru #303 skipped houses									SKIP						gap, 2 open behind Vibst 3 open in front	
202	304	272	—	367	40				STARTUP #304 No GAP Vibs will be									30%							
203	305	272	—	367	40				SHAKEN ON LIVE STA. to E.O.L. #367									30%						FIRST HALF	
SKIP	306	272	—	367	40				C.D.P. will not change									SKIP						VPs #306 thru 319 skipped due to houses	
204	320	272	—	367	40													30%							
SKIP	321	272	—	367	40													SKIP						VPs #321 + #324 skipped due to houses	
205	325	272	—	367	40													30%							
206	326	272	—	367	40													30%							
207	327	272	—	367	40													30%							
208	328	272	—	367	40													30%						FIRST HALF	
SKIP	329	272	—	367	40													SKIP						VPs #329 thru 335 skipped due to houses	
209	336	272	—	367	40													30%						Last half	
210	337	272	—	367	40	854												30%		4:30				E.O.T. # 854 TAPE MKTs	

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CREW NO. 6834		LINE NO. 24		LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Cloudy	TRAIL CONDITIONS Shoulder	DATE MONTH 5 DAY 18 YEAR 85	CLIENT COCORP	OB D. Moore	PM B. Cassidy									
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY			SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE				
933	Pulse		1-6	sec		849	48															Georgia Coweta Co.
934/935	EINT		2-6	"																		No GAP, 5 Vib 1st Vib START 6' PAST FLAG, 75' spacing, 41.25' move ups
936/937	DRD		4-6	"																		ARRIVED Field 8:00
953/954	Sum TEST		2-6	"																		32 sec Sweeps, 48 sec RECORD, 8 sweeps
960/961	NRS TEST		2-6	"		849																ALIAS 31.25 Hz, 10-32 Hz sweep freq, 8ms sample rate
932	Simil Arty		1-32	"		850																E.O.T. Tape MKTS
150	windstrip		1-48	"	46																	5ms sample rate ALIAS 62.5 Hz
151	windstrip		1-48	"	46																	8ms sample rate ALIAS 31.25 Hz
152	207	160			255	46																Vibs will be shaken everywhere
153	209	160			255	46																STATION
154	211	160			255	46																50%
155	213	160			255	46																50%
156	215	160			255	46																50%
157	217	160			255	46																50%
158	219	160			255	46																50%
159	221	160			255	46																50%
160	223	160			255	46																50%
161	225	160			255	46																50%
162	227	160			255	46																50%
163	229	160			255	46																50%
164	231	160			255	46																50%
165	233	160			255	46																50%
166	235	160			255	46																50%
167	237	160			255	46																50%
168	239	160			255	46																50%
169	241	160			255	46																50%
170	243	160			255	46																50%
171	245	160			255	46																50%
172	247	160			255	46	851															50%

CREW will be moving line to the N side of RIVER

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CREW NO. 6834		LINE NO. 24		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Shoulder		DATE MONTH 5 DAY 17 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	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
136	181	160	---	255	46	848	48								4	8	30%	169			Georgia Coweta Co.		
137	182	160	---	255	46											4	30%				NO GAP, LAST HALF		
Skip	183	160	---	255	46												Skip				FIRST HALF		
138	187	160	---	255	46											8	50%				VPS #183 through #186 skipped due to houses		
139	189	160	---	255	46												50%						
140	191	160	---	255	46	848											50%				E.O.T. #848 TAPE MKTS		
141	193	160	---	255	46	849											60db				B.O.T. #849 #900 10sec Allowes		
142	193	160	---	255	46												60db						
143	193	160	---	255	46												30%						
144	195	160	---	255	46												30%						
Skip	197	160	---	255	46												Skip				VPS #197 skipped due to soft shoulder		
145	198	160	---	255	46											4	30%						
146	199	160	---	255	46											8	30%						
147	201	160	---	255	46												30%						
148	203	160	---	255	46												30%						
149	205	160	---	255	46												30%	4:10			FIRST HALF		

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 8834		LINE NO. 24	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS SHOULDER	DATE MONTH 5 DAY 16 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 TAPE	MEMORY	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 12	TR 13	TR 96					SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
933	Pulse		1-6		sec		844	48										134			6 STATION GAP between 12+13 STAGGERED	
934/935	EINT		2-6		"																GAP 2 open behind Vibs + 3 open in front	
934/939	DRD		4-6		"																5 Vibs 1st Vib START 6' past FLAG, 75'	
953/954	Sum Test		2-6		"																SPACING, 41.25' moveups, 32sec sweep	
960/961	NRS		2-6		"																48sec record, 8sweeps, ALIAS 31.25Hz	
932	Similarity		1-32		"																10-32Hz Sweep freq, 8ms sample rate	
077	WINDSTRIP		1-48		"	3															STATION 86 open due to driveway	
078	WINDSTRIP		1-48		"	3															NOTE: 60 Hz is being pick up on the	
079	79	65	76	83	166	3									5	8	50%				Line due to high pressure gas	
080	80	66	77	84	167	4															pipe line which runs PARALLEL	
081	81	69	78	85	168	5															with the line	
082	82	68	79	86	169	6															STATION #171+172 ALSO #186+187	
083	83	69	80	87	170	7															CROSS PAVED ROAD CABLE CROSSING	
084	84	70	81	88	171	8															PAVED Rd.	
SKIP	85	71	82	89	172	9															VP# 85 SKIPPED DUE TO BARN	
085	86	72	83	90	173	10																
086	87	73	84	91	174	11																
SKIP	88	74	85	92	175	12																FIRST HALF
SKIP	89	75	86	93	176	13																VP# 88 to #89 due to cemetary
087	90	76	87	94	177	14																
088	91	77	88	95	178	15	844															LAST HALF
089	92	78	89	96	179	16	845															E.O.T. #844 TAPE MKTs
090	92	78	89	96	179	16																B.O.T. #845 #900 10sec ALL ones
091	92	78	89	96	179	16																NOTE: FILE #090 ALIAS 62.5Hz
092	93	79	90	97	180	17																due to 60 Hz on line
093	94	80	91	98	181	18																
094	95	81	92	99	182	19																
095	96	82	93	100	183	20																
096	97	83	94	101	184	21																
097	98	84	95	102	185	22																
098	99	85	96	103	186	23																
099	100	86	97	104	187	24																COUNTY ROAD CREW MOWED CABLES + JOGS
																						ONLINE standing by 35 min.

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CREW NO. 6834		LINE NO. 24	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS SHOULDER	DATE MONTH 5 DAY 15 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 PAMPS of "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR 12	TR 13	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE
066	68	54	65	72	155	22	843	48								5	8	50%	104			GEORGIA HEARD Co. SPLIT 6 STATION GAP
067	69	55	66	73	156	23												50%				
068	70	56	67	74	157	24												50%				
069	71	57	68	75	158	25												50%				
070	72	58	69	76	159	26												50%				
071	73	59	70	77	160	27												50%				
072	74	60	71	78	161	28												50%				
073	75	61	72	79	162	29												50%				
074	76	62	73	80	163	30												50%				
075	77	63	74	81	164	31												50%				
076	78	64	75	82	165	32	843											50%	4:45			E.O.T. #843 TAPE MKTs

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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	REMARKS						
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY	SHOOTING SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE	INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
6834	24									5	13	85	ECORP	MOORE	B. Cassidy							GEORGIA HEARD CO
933	Pulse		1	6	SEC		839	48		MISSED SWEEP									73		SPLIT SPREAD	6 station GAP BETWEEN 12+13 STAGGERED
934/915	EXT		2	6	"																	GAP 2 OPEN BEHIND VIBS + 3 OPEN IN FRONT
936/939	DRD		4	6	"															8:20		5 VIBS 1st VIB starts 6' past flag, 75'
953/954	Sum + FST		2	6	"																	spacing, 41.25' MOVE UPS, 32 SEC SWEEP
960/961	NRT test		2	6	"																	48 SEC RECORD, 8 SWEEPS, ALIAS 31.25 Hz
932	Similarity		1	32	"														30%	10:00		10-932 Hz SWEEP FREQ, 8ms SAMPLE RATE.
015	Windstrip		1	48	"	4													60%			4ms sample RATE ALIAS 62.5 Hz
016	19	5	16	23	106	4									5	8			50%	73	12:00	Late START due to leakage on line.
017	20	6	17	24	107	5													50%			STATION #86 open due to driveway
018	21	7	18	25	108	6													50%			
019	22	8	19	26	109	7													50%			
020	23	9	20	27	110	8													50%			
021	24	10	21	28	111	9													50%			
022	25	11	22	29	112	10													50%			
skip	26	12	23	30	113	11													50%			SKIP due to a bridge.
023	27	13	24	31	114	12	839												30%			E.O.T. #839 Tape MKTs
024	28	14	25	32	115	13	840												60%			B.O.T. #840 #900 10 sec ALLOWS
025	28	14	25	32	115	13													50%			
026	29	15	26	33	116	14													50%			
027	30	16	27	34	117	15													50%			
028	31	17	28	35	118	16													50%			
skip	32	18	29	36	119	17													skip			SKIP due to A house
029	33	19	30	37	120	18													50%			last half
030	34	20	31	38	121	19													50%			
031	35	21	32	39	122	20													50%			
skip	36	22	33	40	123	21													skip			VIBS #36+37 SKIPPED due to houses
skip	37	23	34	41	124	22													skip			
032	38	24	35	42	125	23													50%			Last half
033	39	25	36	43	126	24													50%			
034	40	26	37	44	127	25													50%			
035	41	27	38	45	128	26													50%			
036	42	28	39	46	129	27													50%			

Petty-Ray Geophysical



GEO-211-C

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

GENERAL

Crew No. 6834 Contract No. 799
 Client COGORP
 Area GEORGIA
 Country GEORGIA
 County HEARD CO.
 State GEORGIA
 Party Mgr. B. Cassidy OBJO MOORE
 Line No. 24 Date Start of Line 5-12-85
 Sta. Int. 330' Feet Meters 4870 Fold
 Spread Dimensions 1-12 ^{63.7M} 13-96
 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-R Array Across Between Sta
 per trace 24 TOTAL Centered
 Separation Ser Par Coil Res. 335 Ohms
 String String Phone
 Connected Shunt Res.
 Connected at Sta Ser Par Separation between elements in the array 14.34'
 14'

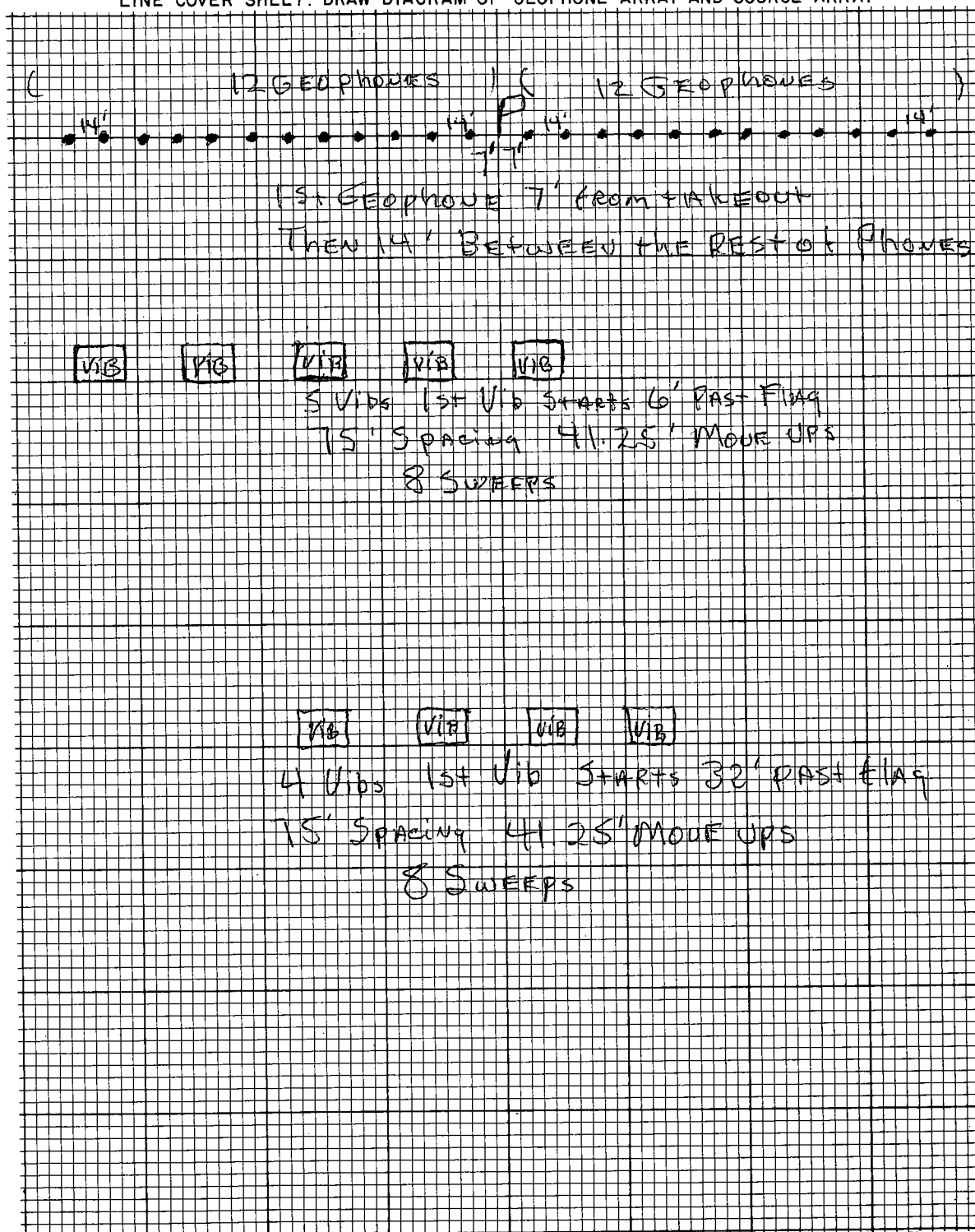
RECORDING SYSTEM
 Type: MD5-10
 Format: SEG-B
 No. of Channels: 96
 Sample Rate: 8 ms
 Record Length: 48 SEC
 BPI: 800
 Low-Cut Filter Freq: 0VT Slope: OUT
 High-Cut Filter Freq: 31.25 Hz Slope: OUT
 Static Filter In Out
 Notch Filter 60 Hz In Out
 UH Ch. Wireline On Tape N/A
 On Tape Radio On Tape N/A
 Sweep Ch. AUX 2 BR100 50
 On Tape AUX 4 GALVO 52

ENERGY SOURCE
 Type: 4Y1100 + 1V900
 Manufacturer: GEORGE FALING
 Source Control: RCV-310

Dynamite Holes/Shotpoint: N/A
 Charge/Shotpoint: N/A
 Pattern Length: N/A Feet Meters

Surface Source Array Length: 489' Feet Meters
 No. of drops, sweeps, etc. in array: 8
 Sweep Freq: 10 → 32 Hz
 Sweep Length: 32 SEC
 Unit 5 Vibs Feet Separation: 75' Meters
 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: