

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division
Geosource Inc.**

CLIENT COCORP	AREA CHARLESTON	STATE SOUTH CAROLINA	COUNTY DORCHESTER	DATE 6-10-78
CREW NO. 6834	TERRAIN DIRT ROAD (WOODS)	WEATHER CLEAR	LINE NO. 4	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN TIME	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	WHP DRIVE TO	
1	900	ALL ONES TEST	10 SEC.		9:58	041	OUT	OUT	DRIVE TO	OB Setup Between V.P.# 63 & 64
2	933	PULSE TEST	6 SEC.							
3	934	EINT	"							PUBLIC BOAT DOCK ON LINE TRAFFIC ON SUB
4	935	EINT	"							BAD WILL START BETWEEN TRAFFIC
5	936	DRD	"							
6	937	DRD	"							
7	938	DRD	"							
8	939	DRD	"							
9	953	SUM TEST	"							
10	954	SUM TEST	"							
11	960	NRJ	"							
12	961	NRJ	"							HOUSES ON LINE FROM STA'S # 25 TO 35 CAUSING NOISE ON LINE
13	890	SIMILARITY	31 SEC.	5	10:10					
14	001	WIND STRIP	6 SEC.		10:30					LINE # 4 CROSSES HIGHWAY 17A AT STA'S # 99 & 100
15	002	1	8-103	18	12:50				50%	WAITING ON TRAFFIC
16	003	2	9-104	18	1:15					TRAFFIC EX. REALLY BAD DUE TO WEEKEND AND PUBLIC BOARD RAMP
17	004	3	10-105	19	1:45					TRAFFIC STILL BAD
18										FINISH TIME FOR DAY TRAFFIC TOO HEAVY
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
				45 MINUTE DRIVE OUT	MDS 10
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
8-32		16		1 1 2 2 3 3 3 3 2 2 1 1	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	4V-1100 1V-900	ETC EV-22B	7.5 Hz	220'
REMARKS	OBSERVER	PARTY MGR.			
	SIMMONS				

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CLIENT COCORP	AREA CHARLESTON	STATE SOUTH CAROLINA	COUNTY DORCHESTER	DATE 6-12-78
CREW NO. 6834	TERRAIN SAND ROAD (WOODS)	WEATHER CLEAR		LINE NO. 4

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN TIME	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	UNB DRIVE %	
1	933	Pulse test	6sec		8:30	041	OUT	OUT		O.B. Set up between V.P# 63 & 64
2	934	EINT	"							
3	935	EINT (NOISE)	"							
4	936	DRD	"							
5	937	DRD	"							
6	938	DRD	"							
7	939	DRD	"							
8	953	SUM TEST	"							
9	954	SUM TEST	"							
10	960	NRJ	"							
11	961	NRJ	"							
12	890	Similarity	31sec	4	8:45					Vibrator #12667 down Compensator problem - no spare parts
13	004	WIND STRIP	6sec	4	11:23					GOING WITH FOUR (4) VIBRATORS
14	005	3	19		11:41				50%	TRAFFIC HEAVY ON LINE
15	006	4	20		12:00					
16	007	5	21		12:18					
17	008	6	22		12:35					
18	009	7	23		12:55					
19	010	8	10		1:25					REARRANGING CDP SWITCH TO SHOOT THROUGH SPREAD
20	011	9	10		1:40	041				EOF #011 NEW REEL #042 BOF #012
21	012	WIND STRIP	-		2:00	042				FILE #900 10 SEC. ALL ONES
22	013	10	10		2:10					
23	014	11	10		2:25					
24	015	12	10		2:45					
25	016	13	10		3:00					

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
				45	MDS 10
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
8-32		16		112233 x 33 22 11	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	44-1100 14-900	ETC EU-225	7.5 Hz	220'
REMARKS	OBSERVER		PARTY MGR.		
	SIMMONS / Jones		Roderic O. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division
Geosource Inc.**

CLIENT COCORP	AREA Charleston	STATE South Carolina	COUNTY Dorchester	DATE 6-12-78
CREW NO. 6824	TERRAIN SAND ROAD (WOODS)	WEATHER CLEAR	LINE NO. 4	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	VIB DRIVE	
1	017	1-11 25-109	10	4	3:20	042	OUT	OUT	50	RAW RAW SWAMP TAKEN THIS REC # 1-96 CORR.
2	018	1-14 28-109	10		3:45	↑			↑	
3	019	1-17 31-109	10		4:10	↑			↑	Waiting on heavy traffic File # 019 stacked on first half due to
4	020	1-20 34-109	10		4:35	↑			↑	to trailer house. File # 020 stacked on first half due to
5	021	1-23 37-109	10		4:55	↑			↑	HOUSE WAITING ON TRAFFIC
6	SKIP	SKIP			SKIP					V.P. # 33 SKIPPED DUE TO HOUSES
7	022	1-29 43-109	10		5:20	↓			↓	V.P. # 36 STACKED ON LAST HALF DUE TO HOUSES
8	023	1-32 46-109	10		5:40	↓			↓	
9	024	1-35 49-109	10		6:00	↓			↓	
10	025	1-38 52-109	10		6:20	042			↓	EOF # 025 END OF REEL # 042
11										
12					6:45					FINISHED FOR THE DAY
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32	SWEEP PATTERN	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1122 33 x 33 22 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 40-1100 14-900	TYPE GEOPHONE ETC EU-22B	FREQUENCY 7.5 Hz	STATION INTERVAL 220'
REMARKS			OBSERVER Simmons/Jones	PARTY MGR. Lawrence O. Davis	LINE DIR. 1 TO 24 5%

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division
Geosource Inc.**

CLIENT COCORP	AREA CHARLESTON	STATE SOUTH CAROLINA	COUNTY DORCHESTER	DATE 6-13-78
CREW NO. 6834	TERRAIN SAND ROAD (WOODS)	WEATHER CLOUDY 40%	LINE NO. 4	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN TIME	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	DRIVE %	
1	933	Pulse test	6 sec		8:00	043	OUT	OUT	DRIVE %	OB. Set up between V.P. #638-64
2	934	EINT	"							
3	935	EINT	"							
4	936	DRD	"							
5	937	DRD	"							
6	938	DRD	"							
7	939	DRD	"							
8	953	Sum Test	"							HWAY 17A CROSSES LINE AT STA.'S #99-100
9	954	Sum Test	"							
10	960	NRJ	"							TRAFFIC ON LINE HEAVY, IMPOSSIBLE TO KEEP IN TOTAL CHECK
11	961	NRJ	"							DUE TO NUMEROUS FEEDER ROADS
12	890	Similarity	31 sec	5	8:30				50%	RUNNING SIMILARITIES W/ NEW SIMILARITY BOX
13	026	Wind Strip	6 Sec		9:00					
14	027	48	1-41	55-109	10	9:03				96 CHANNEL CORRELATION MADE ON FILE # 027
15	028	51	1-44	58-109	10	9:26				
16	029	54	1-47	61-109	10	9:42				
17	030	57	1-50	64-109	10	10:01				STARTED TO RAIN
18	031	60	1-53	67-109	10	10:50				CORRELATOR PROBLEM (FIXED, CONTINUED PRODUCTION)
19	032	63	1-56	70-109	10	11:03				
20	033	66	1-59	73-109	10	11:20				RAW SWEEP MADE ON FILE # 033
21	034	69	1-62	75-109	10	11:43				WAITING ON TRAFFIC
22	035	72	1-65	78-109	10	12:06				
23	036	75	1-68	81-109	10	12:25				
24	037	78	1-71	84-109	10	12:37				EOF #047 BOF NEW TAPE # 044 BOF # 038
25	038	81	1-74	87-109	10	1:05	044			FILE # 038 WIND STRIP

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
				45 min drive in	MDS 10
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
8-32				11 22 33 x 33 22 11	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	Hy-1100 14-900	ETC EU-223	7.5 Hz	220'
REMARKS	OBSERVER	PARTY MGR.			
	Simmons / Jones	Lawrence O. Davis			

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CLIENT COCORP	AREA CHARLESTON	STATE SOUTH CAROLINA	COUNTY DORCHESTER
CREW NO. 6854		TERRAIN SADD ROAD (WOODS)	DATE 6-13-78
WEATHER PARTLY CLOUDY			LINE NO. 4

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN-TIME	TAPE RL. NO.	F I L T E R		REMARKS
							LOCUT	60 ~	
1	84	1-77 90-109	10	5	1:20	044	Out	Out	50% DRIVE
2	87	1-80 93-109	10	↑	1:41	↑			WAITING ON TRAFFIC
3	90	1-83 96-109	10	↑	2:20				1-96 CORRELATED ON FILE #041
4	93	1-87 99-109	10	↑	2:36				
5	96	1-90 102-109	10	↑	2:53				
6	98 for 99	1-92 104-109	10	↑	3:13				VP # 98 FOR 99 DUE TO HOUSES VP # 98 STACKED ON FIRST HALF
7	102 102	Skip			Skip				VP # 102 SKIPPED DUE TO HOUSES & ROAD
8	106 for 105	5-100	14	↑	3:35				VP. 96 FOR 92 DUE TO HOUSES & ROAD VP. 96 STACKED ON LAST HALF
9	108	7-102	16	↑	4:13				WAITING ON TRAFFIC, TRAFFIC INCREASING
10	111	10-105	19	↑	4:51				
11	114	13-108	22	↑	5:00				
12	117	16-111	25	↑	5:25				
13	120	19-114	28	↓	5:41	044			EOF # 051 (Reel # 044) NEW REEL # 045 BOF # 052
14	123	22-117	31	5	6:02	045			FILE # 000 10 SEC. ALLOWN'S
15	126	25-120	34	4	6:18				VIB. # 126 OF DEVELOPED PROBLEMS GOING WITH 4 VIB.
16	129	28-123	37	4	6:35				FOR 2 V.P.'S
17									
18					6:55				FINISHED FOR THE DAY
19									
20									
21									
22									
23									
24									
25									

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
				45 min drive in	MDS 10
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
8-32		16		11 2 2 33 x 33 22 11	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	45-1100 14-900	ETC EU-220	7.5 Hz	220'
REMARKS	OBSERVER		PARTY MGR.		LINE DIR. 1 TO 24
	SIMMONS/Jones		Lawrence A. Davis		S-N.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA CHARLESTON	STATE SOUTH CAROLINA	COUNTY DORCHESTER	DATE 6/14/78
CREW NO. 6834	TERRAIN SAND ROAD (WOODS)	WEATHER CLEAR	LINE NO. 4	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN TIME	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	90 DRIVE	
1	933	Pulse test	6sec	4	8:00	045	out	out		OB set up between V.P. # 99 & 100
2	934	EINT	"							
3	935	EINT	"							
4	936	DRD	"							
5	937	DRD	"							
6	938	DRD	"							
7	939	DRD	"							
8	953	Sum Test	"							
9	954	Sum Test	"							
10	960	NRJ	"							
11	961	NRJ	"							
12	890	Similarity	31sec.	4	8:30					50% VIBRATOR #14256 - compensator problems - down GOING w/4 VIB
13	055	wind strip	6sec.	4	9:44					HOWAY 17A CROSSED LINE AT STA'S #99 & 100 (HEAVY TRAFFIC)
14	056	132	4		9:55					1-96 CORRELATION ON FILE # 055
15	057	135	7		10:19					
16	058	138	10		10:35					
17	059	141	13		10:51					
18	060	144	16		10:08					
19	061	147	19		11:25					
20	062	150	22		11:42					
21	063	153	25		11:59	045				EOF # 063 FOR REEL # 045 BOF # 064 FOR REEL # 046
22	064	wind strip			12:20	046				FILE # 900 IS 10 SEC. ALL ONE'S
23	065	156	28		12:23					VIB 16344 LEAKING A.T.F. WAITING ON REPAIRS
24	066	159	31		1:30					
25	067	162	34		1:46					

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
				45 min drive in	MDS 10
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
8-32		16		112233 x 33 22 11	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	Hy - 1100 19 - 900	ETC EV-225	7.5 Hz	220'
REMARKS	OBSERVER		PARTY MGR.		
	Simmons				

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA CHARLESTON	STATE S.C.	COUNTY DORCHESTER	DATE 6-14-78
CREW NO. 6834	TERRAIN SAND ROAD (WOODS)	WEATHER CLEAR	LINE NO. #4	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP CORR. TIME	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	DRIVE	
1	165	64-159	37	4	2:10	046	OUT	OUT	50%	
2	168	62-162	40	↑	2:30	↑				
3	171	60-165	43	↓	3:03	↓				
4	174	73-168	46	↓	3:18	↓	EQ.			
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Correlation problems
FINISHED FOR THE DAY
1-96 Correlation made on FILE # 073

END OF LINE 4

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-32	SWEEP PATTERN	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 112233 X 332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 44-1100 14-900	TYPE GEOPHONE ETC EV-22B	FREQUENCY 7.5 Hz	STATION INTERVAL 220'
REMARKS			OBSERVER SIMMONS	PARTY MGR.	