

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA MINN LINE #2	STATE MINN.	COUNTY OCBERTAIL + TODD	DATE 6-12-79
CREW NO. 6834	TERRAIN PAVED + COUNTY ROADS	WEATHER CLEAR	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R		REMARKS
							LOCUT	60 ~ DRIVE	
1 933	PULSE	1 - 6 SEC				418	OUT	±N	B.O.T. #418 FILE #900-10 SEC. ALONE'S RECORDER SET UP BETWEEN STAS 73 + 74
934-935	FINT	2 - "							LINE #2 WILL BE PUSHED FROM WEST TO EAST.
936-939	DRD	4 - "							
953-954	SUM TEST	2 - "							
960-961	NRS TEST	2 - "							
6 932	SIMILARITY	1 - 22 SEC		5					50%
7 001	WIND STRIP	1 - 6 SEC							CHECKING LINE.
8 002	1	4 - 99	3	5					70% 1-96 CORRELATION MADE ON FILE #002
9 003	3	6 - 101	5						
10 004	5	8 - 103	7						STAS # 105-106 LINE OFFSE ± 5260' TO THE SOUTH.
11 005	7	10 - 105	9						50% V.D. #7 STACKED ON FIRST HALF DUE TO HOUSE DRIVES TURNED 60% 50%
12 006	9	12 - 107	11			418			V.D. #9 STACKED ON LAST HALF DUE TO HOUSE. E.O.T. #418
13 007	11	14 - 109	13			419			70% B.O.T. #419 FILE #900-10 SEC. ALONE'S.
14 008	13	16 - 111	15						
15 009	15	18 - 113	17						
16 010	17	20 - 115	19						
17 011	19	22 - 117	21						
18 012	21	24 - 119	23						
19 013	23	26 - 121	25			419			50% E.O.T. #419. V.D. #23 STACKED ON FIRST HALF DUE TO HOUSE.
20 015	25	28 - 123	27			420			B.O.T. #420 FILE #900-10 SEC. ALONE'S FILE #614 WIND STRIP
21 016	27	30 - 125	29						70%
22 017	28	31 - 126	30						50% V.D. #28 STACKED ON FIRST HALF DUE TO HOUSE.
23 SKIP	29	32 - 127	31						V.D. #29 SKIPPED DUE TO HOUSE.
24 SKIP	31	34 - 129	33						V.D. #31 SKIPPED DUE TO BARN.
25 018	33	36 - 131	35						70%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 Hz / 22 SEC		SWEEP PATTERN CODE #5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111 CODE #2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR	TYPE GEOPHONE ETL-EV22B	FREQUENCY 25 Hz	STATION INTERVAL 330'
REMARKS 4MS. SAMPLE RATE		OBSERVER'S O. SIMMONS / KRAMER		LINE DIR. 1 TO 24 W → E	
42 SEC. RECORD LENGTH			PARTY MGR.		

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DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
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Geosource Inc. 2

CLIENT COCORP	AREA MINN LINE #2	STATE MINN	COUNTY OLBERTAIL + TODD	DATE 6-12-79
CREW NO. 6834	TERRAIN PAVED + COUNTY ROADS	WEATHER CLEAR		LINE NO. 2

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	SAT	
1	019	34	37 - 132	36	5	420	OUT	IN	70%	
2	020	35	38 - 133	37						1-96 CORRELATION MADE ON FILE # 020
3	SKIP	37	40 - 135	39						V.P. # 37 SKIPPED DUE TO HOUSE
4	021	38	41 - 136	40		420				E.O.T. # 420
5	022	39	42 - 137	41		421				B.O.T. # 421 FILE # 900-DSEC. ALONE'S. 1-RAW SWEEP MADE ON FILE # 022
6	SKIP	41	43 - 138	42						V.P. # 41 SKIPPED DUE TO HOUSE
7	023	42	45 - 139	43						V.P. # 42 SKIPPED ON LAST HALF DUE TO HOUSE.
8										
9										
10										FINISHED FOR THE DAY
11										
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23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 40 Hz / 27 sec		SWEEP PATTERN CODE # 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111 2222222 1111 CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 94	TYPE VIBRATOR 4-4100 1-1900	TYPE GEOPHONE ET-LEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 M.S. SAMPLE RATE 42 SEC. RECORD LENGTH			OBSERVER, P.S.O. SIMMONS/KRAMER	PARTY MGR.	

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DIGITAL VIBROSEIS RECORDER

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CLIENT COCORP	AREA MINN. LINE #2	STATE MINN.	COUNTY OTTER TAIL + TODD	DATE 6-13-79
CREW NO. 6834	TERRAIN PAVED & COUNTY	WEATHER CLEAR - WINDY	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R		REMARKS
							LOCUT	60 ~	
1	933 PULSE	1 - 60 SEC.				421	Out TN		RECORDER SET UP BETWEEN STA'S 105 & 106
2	ETNI	2 - " "							
3	DRD	4 - " "							
4	Sum Test	2 - " "							
5	NRT Test	2 - " "							
6	933 Similarity	1 - 22 SEC.		5				50%	
7	024 Wind Strip	1 - 60 SEC.							CHECKING WINE
8	025 45	46 - 141	13	5				70%	1-96 CORRELATION MADE ON FILE #025
9	026 45	48 - 143	15						
10	027 47	50 - 145	17			421			E.O.T #421
11	028 49	52 - 147	19			422		50%	B.O.T #422 FILE #900-10 SEC ALLOWE'S. V.P. #49 STACKED ON FIRST HALF DUE TO HOUSE.
12	029 51	52 - 149	21					40%	V.P. #51 STACKED ON LAST HALF DUE TO HOUSE. DRIVE TURNED TO 40%
13	030 53	56 - 151	23					70%	
14	031 55	58 - 153	25						WIND PICKING UP
15	032 57	60 - 155	27						
16	033 58	61 - 156	28						V.P. #58 STACKED ON FIRST HALF DUE TO HOUSE.
17	SKIP 59	62 - 157	29						V.P. #59 SKIPPED DUE TO HOUSE
18	034 61	64 - 159	31			422			E.O.T #422
19	035 63	66 - 161	33			423			B.O.T #423 FILE #900-10 SEC ALLOWE'S.
20	036 65	68 - 163	35						
21	037 67	70 - 165	37						
22	038 69	72 - 167	39						
23	039 71	74 - 169	41						
24	040 73	76 - 171	43						
25	041 75	78 - 173	45			423			E.O.T #423

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEG-B MPX-121
SWEEP FREQUENCY 8-40 Hz/22 SEC.	SWEEP PATTERN CODE # 5163	SWEEPS PER PATTERN 160	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 22222222 (CODE 2125)	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100 1-9900	TYPE GEOPHONE ETH-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42 SEC. RECORD LENGTH.	OBSERVER/TO SIMMONS/KRAMER	PARTY MGR.		

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**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
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Geosource Inc.**

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CLIENT CDCORP	AREA MINN LINE #2	STATE MINN	COUNTY DELR TAIL + TODD	DATE 6-13-79
CREW NO. 6834	TERRAIN PAVED + DIRT ROADS	WEATHER CLEAR - WINDY	LINE NO. 2	

I	REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
								LOCUT	60 ~	70 ~	
1	043	77	80 - 175	47	5		424	OUT	IN	70%	B.O.T.# 424 FILE #900-10 SEC. ALONE'S FILE #042 WIND STRIP
2	044	79	82 - 177	49							RECORDER MOVE
3	045	80	83 - 178	18						50%	RECORDER SET BETWEEN STAS 137 + 138. V.P.#80 STACKED ON FIRST HALF DUE TO CEMETERY.
4	SKP	81	84 - 179	19							V.P.#81 SKIPPED DUE TO CEMETERY
5	046	83	86 - 181	21							V.P.#83 STACKED ON LAST HALF DUE TO CEMETERY.
6	047	85	88 - 183	23						70%	1-9/16 CORRELATION MADE ON FILE #047.
7	048	87	90 - 185	25							1-RAW SWEEP MADE ON FILE #048
8	049	89	92 - 187	27			424				E.O.T.#424
9	050	91	94 - 189	29			425				B.O.T.#425 FILE #900-10 SEC. ALONE'S.
10	051	93	96 - 191	31							
11	052	95	98 - 193	33							
12	053	97	100 - 195	35							
13	054	99	102 - 197	37							
14											
15											FINISHED FOR THE DAY
16											
17											
18											
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21											
22											
23											
24											
25											

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-21
SWEEP FREQUENCY 8 · 40 Hz / 20 SEC.	SWEEP PATTERN CODE #5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 11112222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-P100 1-P900	TYPE GEOPHONE ET-LEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4m. S. SAMPLE RATE			OBSERVER / JO. SIMMONS / KRAMER		LINE DIR. W7E
4/2 SEC. RECORD LENGTH			PARTY MGR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
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Geosource Inc.

CLIENT COCORP	AREA MINN. LINE #2	STATE MINN.	COUNTY OTTER TAIL + LODD Co	DATE 6-14-79
CREW NO. 6834	TERRAIN PAVED & COUNTY ROADS	WEATHER CLEAR-WINDY	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER		REMARKS
							LOCUT	60 ~	
1	PULSE	1 - 6 SEC.				425	OUT	IN	RECORDER SET UP BETWEEN STA'S 175-176
2	EINI	2 - " "							LINE CROSSES HWY #71 + RR TRACKS AT STA'S 185+186
3	DRD	4 - " "							
4	SUM TEST	2 - " "							
5	NRT TEST	2 - " "							
6	932 Similarity	1 - 22 SEC.		5		425			50% E.O.T #425
7	055 Wind Strip	1 - 6 "				426			CHECKING LINE B.O.T #426 FILE #900-10 SEC. ALONE'S.
8	056 101	104 - 199	1	4					70% 1-96 CORRECTION MADE #056 VIB #14256 DOWN TO BE WELDED
9	057 103	106 - 201	3						
10	058 105	108 - 203	5						V.P. #105 STACKED ON FIRST HALF DUE TO INTERSECTION.
11	059 107	110 - 205	7						50% V.P. #107 STACKED ON LAST HALF DUE TO HOUSE.
12	060 109	112 - 207	9						70%
13	061 111	114 - 209	11						50% V.P. #111 STACKED ON FIRST HALF DUE TO BARN.
14	SKIP 113	116 - 211	13						V.P. #113 SKIPPED DUE TO BARN.
15	062 114	117 - 212	14	5		426			V.P. #114 STACKED ON LAST HALF DUE TO BARN: VIB #14256 BACK IN LINE.
16	063 115	118 - 213	15			427			
17	064 117	120 - 215	17						70%
18	065 119	122 - 217	19						STANDING BY; FUEL PUMP OUT ON RECORDING TRUCK.
19	066 121	124 - 219	21						
20	067 123	126 - 221	23						
21	SKIP 125	128 - 223	25						V.P. #125 SKIPPED DUE TO HOUSE
22	068 127	130 - 225	27						V.P. #127 STACKED ON LAST HALF DUE TO HOUSE.
23	069 128	131 - 226	28			428			E.O.T #427
24	072 129	132 - 228	29			428			B.O.T #428 FILE #900-10 SEC. ALONE'S; FILE #070 WIND STRIP
25	072 131	134 - 229	31						RAW SWEEP MADE FILE #072

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-121
SWEEP FREQUENCY 8-40 Hz / 22 SEC.	SWEEP PATTERN CODE # 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 22222222 (CODE #2125)	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4100 1-4900	TYPE GEOPHONE ETH-EV22B	FREQUENCY 75 Hz.	STATION INTERVAL 330'
REMARKS 4 MS. SAMPLE RATE 4/2 SEC. RECORD LENGTH.	OBSERVER SIMMONS/KRAMER	PARTY MGR.			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
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Geosource Inc.

CLIENT GDC/DRP	AREA MINN LINE #2	STATE MINN	COUNTY DEER TAIL + TODD	DATE 6-14-79
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER CLEAR HOT + HUMID WINDY		LINE NO. 2

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	STAVE	
1	133	136 - 231	33	5		428	Dot	IN		1-96 CORRELATION MADE ON FILE #073.
2	135	138 - 233	35	4						VIB #12667 DOWN, DUE TO BAD POWER SUPPLY
3	137	140 - 235	37							
4										
5										
6										FINISHED FOR THE DAY.
7										
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25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-121
SWEEP FREQUENCY 8-40 Hz/22 SEC	SWEEP PATTERN CODE #5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111122222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 2.5 Hz.	STATION INTERVAL 330'
REMARKS 4 MS. SAMPLE RATE		42 SEC. RECORD LENGTH.		OBSERVER 13.0 SIMMONS/KRAMER	LINE DIR. 1 TO 24 W → E

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
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Geosource Inc.

CLIENT CDCDRP	AREA MINN LINE #2	STATE MINN	COUNTY TODD	DATE 6-15-79
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER CLEAR	LINE NO. 2	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	SERIAL	
1	933	PULSE	1 - 10sec			428	OUT	IN		RECORDER SET UP BETWEEN STAS 213 + 214
2	934-935	EINT	2 - "							NUMEROUS ELECTRIC FENCES ALONG ENTIRE LINE
3	936-939	DRD	4 - "							CAUSING GROUND CURRENT PHASE SHIFT. LINE EAST OF HIGHWAY 71 IN EXTREMELY MASHY AREA.
4	953-954	SUM TEST	2 - "							
5	960-961	NRJ TEST	2 - "							
6	932	SIMILARITY	1 - 22 SEC.	5		428			50%	E.O.T #428
7	076	WIND SERIP	1 - 10 SEC.			429				CHECKING LINE B.O.T #429 FILE #900-10 SEC. ALONE'S.
8	077	139	142 - 237	1	5				70%	1-96 CORRELATION MADE ON FILE #077
9	078	141	144 - 239	3						
10	079	143	146 - 241	5	4					VIB #12667 DOWN DUE TO SWEEP-IT PROBLEMS.
11	080	145	148 - 243	7						
12	081	147	150 - 245	9	5					VIB #12667 BACK IN LINE
13	082	149	152 - 247	11						3 RAW SWEEPS MADE ON FILE #082 (2 FOR QUALITY CONTROL + 1 FOR DR. KAUFMAN.)
14	SKIP	151	154 - 249	13						V.P. #151 SKIPPED DUE TO HOUSE'S
15	083	153	156 - 251	15		429			40%	E.O.T #429 DRIVES SET AT 40% FOR HOUSES
16	084	155	158 - 253	17		430			40%	B.O.T #430 FILE #900-10 SEC. ALONE'S.
17	085	156	159 - 254	18					70%	
18	086	157	160 - 255	19						
19	087	159	162 - 257	21						
20	088	161	164 - 259	23						
21	089	162	165 - 260	24						
22	SKIP	163	166 - 261	25						V.P. #163 SKIPPED DUE TO HOUSE.
23	090	165	168 - 263	27		430			50%	V.P. #165 STACKED ON LAST HALF DUE TO HOUSE. E.O.T #430
24	092	167	170 - 265	29		431			70%	B.O.T #431 FILE #900-10 SEC. ALONE'S. FILE #091 WIND SERIP
25	093	169	172 - 267	31						1-96 CORRELATION MADE ON FILE #093. FINISHED FOR THE DAY

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10-SEGB-MPA-121
SWEEP FREQUENCY 8-40 Hz / 22 SEC.	SWEEP PATTERN CODE #2125	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 11112222222 1111 CODE #2125	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330
REMARKS 4 MS. SAMPLE RATE 1/2 SEC. RECORD LENGTH			OBSERVER J.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division**
Geosource Inc. 8

CLIENT COCORP	AREA MINN LINE #2	STATE MINN	COUNTY TODD	DATE 6-16-29
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER RAINING + LIGHTNING	LINE NO. 2	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOGUT	60~	AMP	
1	933	PULSE				431	OUT	IN		
	934-935	EINT								
	936-939	DRD								
	953-959	SUM TEST								
	960-961	NRJ								
	932									DOWN FOR THE DAY DUE TO RAIN + LIGHTNING
7										
8										
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24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8.40 Hz / 22 SEC.	SWEEP PATTERN # 5163 CODE 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111122222222 1111 CODE 2125	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100 1-4900	TYPE GEOPHONE ETL-E1122B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4MS SAMPLE RATE	22.5 SEC. RECORD LENGTH.	OBSERVER J.S.O.	PARTY MGR. SIMMONS / KRAMER.		

OBSERVER'S REPORT
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Geosource Inc.

CLIENT COCORP		AREA MINN LINE #2		STATE MINN		COUNTY TODD		DATE 6-17-79			
CREW NO. 6834		TERRAIN DIRT ROAD - WET + MUDDY		WEATHER CLOUDY - LIGHT RAIN		LINE NO. 2					
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R		REMARKS		
							LOCUT	60 ~ 300 Hz			
1	933	PULSE				431	OUT	IN	RECORDER SET UP BETWEEN STAS 241 & 242		
	934-935	EINT							LINE EXTREMELY WET, RUNNING DOWN LEAKY CABLES & PHONES.		
	936-939	DRD									
	953-954	SUM TEST									
	960-961	NR5 TEST									
6	932	SIMILARITY		5				50%	CHECKING LINE DOWN DUE TO LEAKAGE & GROUND CURRENT.		
7											
8											
9											
10											
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22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
										MDS-10 - SEGB - MPX-121	
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		CODE #	
8-40 Hz / 22 SEC.		CODE # 5103		16				1111222222221111		2125	
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
24		96		4-PI100 1-PI900		ETL-EV22B		7.5 Hz		330'	W → E
REMARKS						OBSERVER		PARTY MGR.			
4/MS. SAMPLE RATE						1/2 SEC. RECORD LENGTH.		SIMMONS / KRAMER			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT CDCORP	AREA MINNLINE#2	STATE MINN	COUNTY TODD	DATE 6-18-79
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER CLEAR-WINDY		LINE NO. 2

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	70%	
1	110	204 - 299	35	5		434	OUT	IN	70%	
2	111	205 - 300	36							V.P.#202 STACKED ON FIRST HALF DUE TO HOUSE
3	SKIP	206 - 301	37							V.P.#203 SKIPPED DUE TO HOUSE
4	112	208 - 303	39							V.P.#205 STACKED ON LAST HALF DUE TO HOUSE.
5	113	210 - 305	41							1-96 CORRELATION MADE ON FILE#113.
6	114	212 - 307	43			434			40%	E.O.T#434 V.P.#211 SKIPPED DUE TO HOUSE
7	SKIP	214 - 309	45			435				B.O.T#435 FILE#900-10 SEC. ALLOWED FILE#115 WIND STRIP
8	116	215 - 310	46						70%	V.P.#212 STACKED ON LAST HALF DUE TO HOUSE
9	117	216 - 311	47							3 RAW SWEEPS MADE ON FILE#117 (2 FOR QUALITY CONTROL + 1 FOR DR. KAUFMAN)
10	118	218 - 313	49							RECORDER MOVE
11	119	220 - 315	36							RECORDER SET UP BETWEEN STAS#256 & 257
12	120	222 - 317	38							
13	121	223 - 318	39						40%	V.P.#220 STACKED ON FIRST HALF DUE TO HOUSE
14	SKIP	224 - 319	40							V.P.#221 SKIPPED DUE TO HOUSE.
15										
16										FINISHED FOR THE DAY
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-121
SWEEP FREQUENCY 8-40 Hz / 22 SEC.	SWEEP PATTERN CODE# 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111122222?? 1111 CODE# 2125	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-9100 1-9900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 1/2 M.S. SAMPLE RATE 1/2 SEC RECORD LENGTH.			OBSERVER SIMMONS / KRAMER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT CDCORP	AREA MINN LINE # 2	STATE MINN	COUNTY TODD	DATE 6-23-79
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER CLEAR	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER		REMARKS
							LOCUT	60 ~	
1 933	PULSE	1 - 6 SEC.				435	OUT	IN	RECORDER SETUP BETWEEN STAS 297+298
2 934	EINT	2 - "							
3 935	DRD	4 - "				435			E.O.T #435
4 936	SUMTEST	2 - "				436			B.O.T #436 FILE #900-10 SEC. ALONE'S
5 937	NRS TEST	2 - "							
6 932	SIMILARITY	1 - 22 SEC.		5					50%
7 122	WIND STRIP	1 - 6 SEC.		5					CHECKING LINE.
8 123	223	226 - 321	1	5					70% 1-96 CORRELATION MADE ON FILE #123
9 124	225	228 - 323	3						50% V.P. #225 SLACKED ON FIRST HALF DUE TO HOUSE.
10 SKIP	227	230 - 325	5						V.P. #227 SKIPPED DUE TO HOUSE
11 125	228	231 - 326	6						V.P. #228 SLACKED ON LAST HALF DUE TO HOUSE.
12 126	229	232 - 327	7						70%
13 127	231	234 - 329	9						
14 128	233	236 - 331	11			436			E.O.T #436
15 129	235	238 - 333	13			437			B.O.T #437 FILE #900-10 SEC. ALONE'S.
16 130	237	240 - 335	15						
17 131	239	242 - 337	17						
18 132	241	244 - 339	19						
19 133	243	246 - 341	21						
20 134	245	248 - 343	23						
21 135	247	250 - 345	25			437			E.O.T #437
22 136	249	252 - 347	27			438			B.O.T #438 FILE #900-10 SEC. ALONE'S.
23 137	251	254 - 349	29						
24 138	253	256 - 351	31						40% V.P. #253 SLACKED ON FIRST HALF DUE TO HOUSE.
25 SKIP	255	258 - 353	33						V.P. #255 SKIPPED DUE TO HOUSE + BARN

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-121
SWEEP FREQUENCY 8-40 Hz / 22 SEC.	SWEEP PATTERN CODE # 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 11112222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100 1-1900	TYPE GEOPHONE ETL-EM2B	FREQUENCY 7.5 Hz	STATION INTERVAL 330
REMARKS 4 MS. SAMPLE RATE	42 SEC. RECORD LENGTH	OBSERVER SIMMONS / KRAMER	PARTY MGR.	LINE DIR. 1 TO 24 W → E	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

3

CLIENT COCORP	AREA MINN LINE #2	STATE MINN	COUNTY TODD	DATE 6-23-79
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER CLEAR	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	500 ~	
1	139	256	259-354	34	5	438	00E	IN	40%	V.P.# 256 STACKED ON LAST HALF DUE TO BARN.
2	140	257	260-355	35					70%	
3	141	259	262-357	37						
4	142	261	264-359	39		438				E.O.T.#438
5	144	263	266-361	41		439				B.O.T.#439 FILE #900-10SEC. ALONE'S; FILE #143 WIND STRIP
6	145	264	267-362	42					50%	V.P.# 264 SKIPPED STACKED ON FIRST HALF DUE TO HOUSE
7	SKIP	265	268-363	43						V.P.# 265 SKIPPED DUE TO HOUSE.
8	146	267	270-365	45						1-96 CORRELATION MADE ON FILE #146
9	147	269	272-367	47					70%	3 RAW SWEEPS MADE ON FILE #147 (2 FOR QUALITY CONTROL + 1 FOR DR. KAUFMAN)
10	148	270	273-368	48						
11	SKIP	271	274-369	49						RECORDER MOVE: V.P.# 271 SKIPPED DUE TO HOUSE + BARN
12	149	273	276-371	48					40%	RECORDER SET UP BETWEEN STAS. 300 + 301
13										V.P.# 273 STACKED ON LAST HALF DUE TO HOUSE. E.O.T.#439
14										FINISHED FOR THE DAY; PICKING UP LINE:
15										
16										E.O.L.# 2
17										
18										
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23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10 SEGB MPX-121
SWEEP FREQUENCY 8-40 Hz / 22 SEC.	SWEEP PATTERN CODE #5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111122222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 MS. SAMPLE RATE 42 SEC. RECORD LENGTH.		OBSERVER/S.O. SIMMONS / KRAMER		PARTY MGR.	