

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Scott & Polk	DATE 2/16/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				217	OUT	IN		B.O.T #217.10sec. All one's. #900.
2	934 935 EINT	2- " "								Recorder set AT 92-93. START OF Line #3
3	936 939 D.R.D.	4- " "								#77 Dead due TO Intersection. #88 Dead due TO Bridge
4	953 954 Sum Test	2- " "								
5	960 961 N.R.S. Test	2- " "								
6	932 Similarity	1-26sec.	225	4					50%	Vib #14256 out. (all day)
7	001 Wind Strip	1-6sec.								
8	002 98	1-94	239	4					70%	
9	skip 100	1-96	1						skip	VP #100 + 102 skip due to house's.
10	skip 102	3-98	3						skip	
11	003 103	4-99	4						70%	
12	004 105	6-101	6						70%	Drive Changed TO 50% ON LAST HALF OF STATION.
13	skip 107	8-103	8						skip	Due to house.
14	005 109	10-105	10						50%	
15	006 111	12-107	12			217			70%	E.O.T Tape MKTS. #217
16	008 113	14-109	14			218			70%	B.O.T. #218. #900 10sec. All one's. #007 6sec. Wind
17	009 115	16-111	16						70%	Strip
18	010 117	18-113	18						70%	
19	011 119	20-115	20						70%	
20	012 121	22-117	22						70%	
21	013 123	24-119	24						70%	
22	014 125	26-121	26			218			70%	E.O.T. #218 Tape MKTS.
23	016 127	28-123	28			219			70%	B.O.T. #219 #900 10sec. All one's. #015 6sec Wind
24	017 129	30-125	30						70%	Strip
25	018 131	32-127	32						70%	Finished For The Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 Hz. / 26sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
PHONES PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-Y900	TYPE GEOPHONE ETHFV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
Sample Rate 1/42 sec. Record Length		OBSERVER R. Patton / J. Wingo		PARTY MGR. J. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Scott + Polk	DATE 2/17/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				219	OUT	IN		Recorder set up at 105-106
2	934 ETNT	2- " "								*77 Dead due to Intersection *88 Dead due to Bridge.
3	936 D.R.D.	4- " "								*143 Dead due to Intersection.
4	953 Sum Test	2- " "								
5	960 V.R.T. Test	2- " "								
6	932 Similarity	1-26sec.	225	5					50%	
7	019 Wind Strip	1-6sec.	1							
8	020 133	34-129	1	4					70%	Vib #17311 OUT
9	021 135	36-131	3			219			70%	EOT #219 Tape MKTS
10	022 137	38-133	5			220			70%	BOT #220 *900 10 sec All ones *022 6sec. Wind Strip.
11	024 139	40-135	7						70%	
12	025 141	42-137	9						70%	
13	026 143	44-139	11						70%	
14	027 145	46-141	13						70%	
15	028 147	48-143	15						70%	
16	029 149	50-145	17			220			70%	E.O.T. Tape MKTS. #220
17	031 151	52-147	19			221			70%	B.O.T #221 #900 10sec. All ones #030 6sec. Wind Strip
18	032 153	54-149	21						70%	
19	033 155	56-151	23						70%	
20	034 157	58-153	25						70%	
21	035 159	60-155	27						70%	
22	036 161	62-157	29						70%	Vib #12667 out. Pad bolts broke. vib #17311 IN
23	037 163	64-159	31			221			70%	E.O.T #221 Tape MKTS.
24	039 165	66-161	33			222			70%	B.O.T #222 #900 10sec. All ones. #038 6sec. Wind Strip
25	040 167	68-163	35						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11003 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec Record Length	OBSERVER R. Patton J. Ludwig	PARTY MGR. L. Davis			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocorp	AREA ARK	STATE ARK	COUNTY SCOTT	DATE 2-17-81
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CREW NO. 6834	TERRAIN Rolling Hills	WEATHER	LINE NO. 3
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REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	041	169	70-165	37	4	222	OUT	IN		
2	042	171	72-167	39						
3	043	173	74-169	41						
4	044	175	76-171	43						
5	045	177	78-173	45						E.O.T.*222 Tape MKTS.AFTER VP*179
6	046	179	80-175	47		222				
7										
8										
9										
10										
11										
12										
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY SCOTT	DATE 2-18-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1-6 sec				223	OUT	IN		Bot # 223 # 900 10sec All ones.
2	934/935 EINT	2- " "								Recorder set AT
3	936/939 DRD	4- " "								* 88 Dead due to Bridge. * 143 dead due to Inter-section.
4	953/954 Sum TEST	2- " "								
5	960/961 N.R.S Test	2- " "								
6	932 Similarity	1-26 sec	225	4						50%
7	047 Wind Strip	1-6 sec	2							
8	048 181	82-177	2							70%
9	049 183	84-179	4							70%
10										Vib # 12666 OUT due to Sweep problems
11										Vib # 16344 TN on V.P. # 183
12										Sweep it card went out TN vib # 16344
13										spares already sent End For Repairs.
14										Shutting Down.
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100'S 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS Trans. Sample Rate / 42 sec Record Length	OBSERVER R. Patterson / Wingo	PARTY MGR. L. Davis			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Scott	DATE 2/19/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				223	OUT	IN		Recorder set up at
2	934 935 ETMT	2- " "								#88 Dead due to Bridge. #143 Dead due to intersection.
3	936 939 D.R.D.	4- " "								
4	954 955 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.		5		223				E.O.T. #223 Tape MKTS.
7	050 Wind Strip	1-6sec.	6			224				B.O.T. #224 #900 10sec. All ones.
8	051 185	86-181	6	4					70%	Vib #12666 OUT.
9	052 187	88-183	8						70%	
10	053 189	90-185	10						70%	
11	054 191	92-187	12						70%	
12	055 193	94-189	14						70%	
13	056 195	96-191	16						70%	
14	057 197	98-193	6			224			70%	E.O.T. #224 Tape MKTS.
15	Skip 199	100-195	8			225			70%	B.O.T. #225 #900 10sec. All ones. #58 6sec. Wind Strip
16	059 201	102-197	2						70%	Moved Record to sta. #164-165. Vib's having
17	060 203	104-199	4						70%	Trouble Receiving Tones. Sta. #199 Skipped due
18	061 205	106-201	6						70%	To vib's could not receive Tones.
19	062 207	108-203	8						70%	Moved Recorder to sta. #172-173
20	063 209	110-205	10						70%	Sta. #203 stacked. The only Place the Vib's could
21	064 211	112-207	12						70%	Receive the tones. E.O.T. #225 Tape MKTS. on v#213
22	065 213	114-209	14			225			70%	Sta. #207 had a set of 2 nd Breaks.
23	Skip 215	116-211	16						70%	Finished For The Day. #215 Skip due to Bridge
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40Hz. 1/26sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100'S 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS Ans. Sample Rate 1/23sec. Record Length			OBSERVER R. Patton J. Wingo	PARTY MGR. J. Davis	LINE DIR. 1 TO 24 N.→S.

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Scott	DATE 2/21/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Over cast		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				227	OUT	IN		B.O.T. #227 #900 10sec. All ones.
2	934 ETNT	2- " "								Recorder set up at 310-311
3	935 D.R.D.	4- " "								Sta. #344 dead due to bridge.
4	936 Sum Test	2- " "								
5	937 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.	225	5					50%	
7	066 Wind Strip	1-6sec.	4						-	Vib #16344 Out.
8	SKIP 238	242-337	4	4					SKIP	#238 skip due to TERRAIN.
9	067 239	243-338	5						70%	
10	068 241	245-340	7						70%	
11	069 243	247-342	9						70%	
12	070 245	249-344	11						70%	
13	071 247	251-346	13			227			70%	F.O.T. #227 Tape MKTS.
14	073 249	253-348	15			228			70%	B.O.T. #228 #900 10sec. All ones #072 6sec.
15	074 251	255-350	17						70%	Wind Strip. Light mist beginning to fall.
16	075 253	257-352	19						70%	
17	076 255	259-354	21						70%	
18	077 257	261-356	23						70%	
19	078 259	263-358	25						70%	
20	079 261	265-360	27			228			70%	F.O.T. #228 Tape MKTS.
21										Rain getting heavier getting some leakage
22										Shutting Down.
23										Finished For The Day
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40Hz. 1/26sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100'S 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 4ms Sample Rate 1/42 sec. Record		OBSERVER R. Patton J. Wingo		PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocorp	AREA ARK.	STATE ARK	COUNTY SCOTT	DATE 2-22-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly cloudy + windy	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1 - 6 sec				229	OUT	IN		BOT # 229 #900 10sec All ones
2	934/935 EINT	2 - " "								Recorder set AT 338-339
3	936/939 DRD	4 - " "								STA. #344 dead due to Bridge.
4	953/954 Sum TEST	2 - " "								
5	969/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 26 sec	225	4					50%	Vib # 12666 OUT.
7	080 Wind Strip	1 - 6 sec	1							
8	081 263	267-362	1	4					70%	
9	082 265	269-364	3						70%	
10	083 267	271-366	5						70%	
11	084 269	273-368	7						70%	*269 stacked last half.
12	085 271	275-370	9			229			70%	Foot # 229 Tape MKTS
13	087 273	277-372	11			230			70%	Bot # 230 #900 10sec All ones *086 6sec windstrip.
14	089 275	279-374	13						70%	SLIP #275 skip due to terrain Vib IN Bad spot
15	088 277	281-376	15						70%	had trouble picking up tones.
16	089 279	283-378	17						70%	
17	090 281	285-380	19			230			70%	Vib # 12667 Power supply went out.
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11 22 33 x 33 22 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-γ 1100'S 1-γ 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec Record		OBSERVER R. Patten J. Wingo		PARTY MGR. F Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY SCOTT + POIK	DATE 2-23-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear + Windy	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				230	OUT	IN		Recorder set AT 357-358
2	934/935 EINT	2 - " "								STA* 344 Dead due TO Bridge.
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	960/961 N.R.J. TEST	2 - " "								Vib* 12667 Down Power Supply Problem.
6	932 Similarity	1 - 26 sec	225	4		230			50%	EOT* 230 Tape MKTs.
7	091 Wind Strip	1 - 6 sec	2			231				BOT* 231 *900 10 sec All ones.
8	092 283	287 - 382	2	4					70%	
9	093 285	289 - 384	4						70%	
10	094 287	291 - 386	6						70%	
11	095 289	293 - 388	8						70%	
12	096 291	295 - 390	10						70%	
13	097 293	297 - 392	12						70%	
14	098 295	299 - 394	14			231			70%	EOT* 231 Tape MKTs.
15	100 297	301 - 396	16			232			70%	BOT* 232 *900 10 sec All ones * 099 6 sec Wind Strip.
16	101 299	303 - 398	18						70%	
17	102 301	305 - 400	20						70%	Wind Picking up.
18	103 303	307 - 402	22						70%	
19	104 305	309 - 404	24						70%	
20	105 307	311 - 406	26						70%	
21	106 309	313 - 408	28			232			70%	EOT* 232 Tape MKTs
22	108 311	315 - 410	30			233			70%	BOT* 233 *900 10 sec All ones *107, 6 sec Wind Strip.
23	109 313	317 - 412	32						70%	
24	110 315	319 - 414	34						70%	
25	111 317	321 - 416	36						70%	Finished For The Day

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11 22 33 X 33 22 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100's 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms sample rate / 42 sec Record	OBSERVER R Patton J Wings	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 N → S		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY SCOTT & POLK	DATE 2-24-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	COP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				233	OUT	IN		Recorder set AT
2	934/935 FINT	2 - " "								Sta #344 Dead due to Bridge. Sta. #330 dead due bridge
3	936/939 DRD	4 - " "								From Sta. 364-416; There are Highlines
4	953/954 Sum Test	2 - " "								running along our line, plus numerous Houses. Also
5	960/961 N.R.J. TEST	2 - " "								under ground Telephone Cable along line.
6	932 Similarity	1 - 26 sec	225	4		233			50%	EOT #233 Tape MKTs Vib #12667 OUT.
7	112 Windstrip	1 - 6 sec	1	4		234				Bot #234 * 900 10 sec All ones.
8	113 319	323-418	1						70%	
9	114 321	325-420	3						70%	
10	115 323	327-422	5						70%	
11	116 325	329-424	7						70%	
12	117 327	331-426	9						70%	
13	118 329	333-428	11						70%	
14	119 331	335-430	13			234			70%	E.O.T #234 Tape MKTs.
15	121 333	337-432	15			235			70%	B.O.T #235 * 900 10 sec All ones. #1206 sec. Wind
16	122 335	339-434	17						70%	Strip.
17	123 337	341-436	19						70%	
18	124 339	343-438	21						70%	
19	125 341	345-440	23						70%	
20	126 343	347-442	25						70%	Shaking every station starting #343. have numerous
21	127 344	348-443	26			235			70%	skips coming up. Sta. #344 stacked due to bridge.
22	129 345	349-444	27			236			70%	Sta. #344, E.O.T #236 Tape MKTs. B.O.T #236 * 900
23	130 346	350-445	28						70%	10 sec. All ones. #1286 sec. Wind Strip.
24	131 347	351-446	29							
25	132 348	352-447	30							

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 416.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11 22 33 x 33 22 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100S 1-Y 900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec. Record	OBSERVER R. Patten	J Wings	PARTY MGR. P Davis	LINE DIR. 1 TO 24 N → S	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>ARK.</i>	STATE <i>ARK.</i>	COUNTY <i>Scott & Polk</i>	DATE <i>2/24/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills</i>	WEATHER <i>Clear</i>		LINE NO. <i>3</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 ~	AMP	
1	349	353-448	31	4		236	OUT	IN		
2	350	354-449	32							
3	351	355-450	33			236				<i>E.O.T. # 236 Tape MKTS.</i>
4										
5										<i>Finished For The Day.</i>
6										
7										
8										
9										
10										
11										
12										
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER		PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Scott + Polk	DATE 2/25/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				237	OUT	IN		B.O.T. #237 900 10sec. All ones.
2	934 935 FTNT	2- " "								Recorder set up at 429-430
3	936 939 D.R.D.	4- " "								Sta. #430 dead due to bridge.
4	953 954 Sum Test	2- " "								vib #12667 out due to INST. Problems.
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-2.5sec.	225	4					50%	
7	136 Wind Strip	1-6sec.	1							
8	137 354	358-453	1	4					50%	Stacked last half due to church.
9	138 355	359-454	2						50%	
10	139 356	360-455	3						50%	Stacked on first half due to house.
11	140 362	366-461	9						50%	Sta's #357-361 Skipped due to houses.
12	141 366	370-465	13			237			50%	Sta's #363-365 " " " " E.O.T #237 Tape MKTS
13	142 367	371-466	14			238			70%	B.O.T #238 900 10sec. All ones #142 6sec. Wind
14	144 368	372-467	15						70%	Strip.
15	145 369	373-468	16						70%	
16	146 370	374-469	17						50%	Sta's #371-374 skip due to houses
17	147 375	379-474	22						50%	
18	148 377	381-476	24						70%	
19	149 379	383-478	26			238			70%	E.O.T #238 Tape MKTS. Stacked first half.
20	151 388	392-487	35			239			50%	B.O.T #239 900 10sec. All ones #150 6sec. Wind Strip
21	152 389	393-488	36						70%	Sta's #380-387 skip due to houses.
22	153 403	407-502	46						50%	Sta's #390-402 skip due to housing.
23	154 404	408-503	47						50%	406-423 Skipped due to town of Cherry Hill + housing.
24	155 405	409-504	48						50%	Finished For The Day.
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4/6.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y900	TYPE GEOPHONE ETLEUR22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate 1/42 sec. Record Length	OBSERVER R. Patton J. Ludwig		PARTY MGR. J. Davis		LINE DIR. 1 TO 24 N.75.

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Polk
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy	DATE 2-26-81
			LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				239	OUT	IN		Recorder set AT 498-499
2	934 435 EINT	2-"								*430 Dead due TO Bridge
3	936 439 D.R.D.	4-"								*542 Dead due TO Bridge + 548 Dead due TO Hwy #8
4	953 454 SumTest	2-"								Vib #12667 Down INST. Problems.
5	960 461 N.R.J. Test	2-"								Eot # 239 Tape MKTs
6	932 Similarity	1-26sec.	225	4		239				Bot # 240 #900 10sec All ones.
7	155 WindStrip	1-6sec.	1			240				
8	157 423	427-522	1	4					50%	*423 stacked last half
9	158 425	429-524	3						70%	
10	159 427	431-526	5						70%	
11	skip 429	433-528	7						skip	*429 skip due TO Bridge
12	160 431	435-530	9						70%	
13	161 433	437-532	11						70%	
14	162 435	439-534	13						70%	
*15	163 437	441-536	15			240			70%	Eot # 240 Tape MKTs
16	165 439	443-538	17			241			70%	Bot # 241 #900 10 sec All ones #164 6sec. Windstrip.
17	skip 441	445-540	19						skip	*441 + 443 skip due TO housing.
18	skip 443	447-542	21						skip	
19	166 444	448-543	22						70%	
20	167 446	450-545	24						70%	
21	168 448	452-547	26						70%	
22	169 450	454-549	28						70%	
23	170 452	456-551	30						70%	
24	171 454	458-553	32			241			70%	Eot # 241 Tape MKTs
25	173 456	460-555	34			242			70%	Bot # 242 #900 10 sec All ones #172 6sec windstrip.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-V 1100's 1-V 900	
TYPE GEOPHONE ETL EV22B		FREQUENCY 7.5 Hz		STATION INTERVAL 330'	
REMARKS 4ms Sample Rate / 42sec Record Length		OBSERVER R. Patten		PARTY MGR. J Wingo	
				L Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY POIK	DATE 2-26-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	174	458	462 - 557	36	4		242	OUT	IN	70%	
2	175	460	464 - 559	38						50%	*460 stacked 1st half
3	Skip	462	466 - 561	40						Skip	*462 skip due to chicken house
4	176	465	469 - 564	43						50%	*465 stacked 1st half.
5	Skip	467	471 - 566	45						Skip	*467 & 469 skip due to housing.
6	Skip	469	473 - 568	47						Skip	
7	177	471	475 - 570	49						50%	ON VP# 473 vibs had trouble receiving tones.
8	178	473	477 - 572	3						70%	Moved Recorder TO 546-547.
9	179	475	479 - 574	5		242				70%	EOT# 242 tape MKTs *475 stacked last half.
10	181	477	481 - 576	7		243				70%	BOT# 243 *900 10 sec All ones *180 6 sec wind strip
11	182	479	483 - 578	9						70%	*481 skip due to house
12	183	482	486 - 581	12						50%	*482 stacked last half
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			SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS		OBSERVER				PARTY MGR.					

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY POIK	DATE 2/27/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				243	OUT	IN		Recorder set up at
2	954 EINT	2- " "								#542 Dead due to Bridge + #548 - Dead due to
3	956 D.R.D.	4- " "								Hwy #8
4	953 Super Test	2- " "								Vib #12667 Down due to INST. Problems.
5	960 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec	225	4						
7	184 Wind Strip	1-6sec.	1							
8	185 491	495-590	1	4					50%	*491 stacked last half
9	Skip 493	497-592	3						Skip	*493 skip due to house
10	186 495	499-594	5			243			50%	EOT *243 Tape MKTs
11	188 497	501-596	7			244			70%	Bot *244 *900 10 sec All ones #187 6sec wind strip.
12	189 499	503-598	9						70%	sta #497 stacked last half.
13	190 501	505-600	11						70%	
14	Skip 503	507-602	13						Skip	#503 skipped due to house.
15	191 505	509-604	15						70%	
16	192 507	511-606	17						70%	
17	193 509	513-608	19						70%	
18	194 511	515-610	21			244			70%	E.O.T. #244 Tape MKTs.
19	196 513	517-612	36			245			70%	B.O.T. #245 *900 10sec. All ones. #195 6sec. Wind Strip
20	197 515	519-614	38						50%	Moved Recorder back to #553-554. Vib's having
21	198 517	521-616	40						50%	Problems picking up tones. #515 stacked First half
22	Skip 519	523-618	42						Skip	#519 skipped due to house.
23	199 521	525-620	44						50%	#521 stacked Last half.
24	200 523	527-622	46						50%	#523 - stacked First half.
25	201 525	529-624	48						50%	#525 - stacked Last half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 2-40Hz / 26sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-VI865 1-Y900	TYPE GEOPHONE FTLEVAZB	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec. Record Length	OBSERVER R. Patton / J. Wingo		PARTY MGR. Z. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP		AREA ARK.		STATE ARK.		COUNTY Polk.		DATE 2/27/81			
CREW NO. 6834		TERRAIN Rolling Hills		WEATHER Cloudy				LINE NO. 3			
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 ~	AMP		
1	Skip 527	531-626	37			245	OUT	IN	Skip	#527 Skipped due to Trailer.	
2	202 529	533-628	39	4					50%	Moved Recorder to 566-567.	
3	203 531	535-630	41			245			50%	#529 stacked First half. #531 stacked	
4	205 533	537-632	43			246				Last half. F.O.T. #245 Tape MKTS. B.O.T	
5										#246 #900 10sec. All ones #204 6sec. Wind Strip.	
6											
7											
8										Finished For The Day.	
9											
10											
11											
12											
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		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Polk	DATE 3/3/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				247	OUT	TN		Recorder set up at 572-573
2	934 935 EINT	2- " "								*542 Dead due to Bridge *548 Dead due to HW
3	936 939 D.R.D.	4- " "								8. Reshaking VP # 529, 531 + 533.
4	953 954 Sum Test	2- " "								Now have new 310A INST. Reshaking 3 stations.
5	960 961 N.R.S. Test	2- " "								BOT # 247 # 900 10 sec All ones.
6	932 Similarity	1-26 sec.	225	5					50%	
7	206 Wind Strip	1-6 sec.	33							
8	207 529	533-628	33	5					50%	*529 stacked 1st half
9	208 531	535-630	35						70%	*531 stacked last half.
10	209 533	537-632	37						70%	
11	210 535	539-634	39			247			70%	EOT # 247 Tape MKTs
12	212 537	541-636	41			248			70%	BOT # 248 # 900 10 sec All ones # 211 6 sec wind strip.
13	213 539	543-638	43						70%	Light Rain beginning
14	214 540	544-639	44						70%	
15	215 541	545-640	45						70%	
16	216 542	546-641	46						70%	
17	217 543	547-642	47			248			70%	*543 stacked 1st half EOT # 248 Tape MKTs.
18	219 556	560-655	29			249			50%	BOT # 249 # 900 10 sec All ones # 218 6 sec wind strip.
19	220 558	562-657	31						50%	*556 stacked last half Moved Recorder to 603-604.
20	221 560	564-659	33						50%	*558 stacked First half. Sta. #544-555 skipped
21	222 562	566-661	35						70%	due to housing. #560 stacked last half.
22	223 564	568-663	37						70%	Rain picking up. Picking up sum leakage.
23	224 566	570-665	39			249				E.O.T. # 249.
24										Finished For The Day
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec Record Length		OBSERVER R. Patton / J. Wingo		PARTY MGR. J. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Polk	DATE 3/5/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				250	OUT	IN		B.O.T. #250 #900 10sec. All ones.
2	934/935 EINT	2- " "								Recorder set up at 620-621
3	936/939 D.R.D.	4- " "								
4	953/954 Sum Test	2- " "								
5	960/961 N.R.J. Test	2- " "								Tape MKTS.
6	932 Similarity	1-2.6 sec.	225	5		250				E.O.T. #250 Bad Tape. We only could get
7	225 Wind Strip	1-6 sec.	24	5		251				Similarities on this Tape. B.O.T. #251 #900
8	226 568	572-667	24						70%	10sec. All ones. +TEST
9	227 570	574-669	26						70%	Stacked First half. Backhoe digging up culvert
10	Skip 572	576-671	28						Skip	in front of Vib's. Picking up leakage on line.
11	228 574	578-673	30						70%	#572 Skip due to men working on Road.
12	229 576	580-675	32						70%	
13	230 578	582-677	34						70%	
14	231 580	584-679	36			251			70%	E.O.T. #251 Tape MKTS. #
15	233 582	586-681	38			252			70%	B.O.T. #252 #900 10sec. All ones. #232, 6sec. Wind
16	234 584	588-683	40						70%	Strip. Road grator coming down line, picking
17	235 586	590-685	42						70%	up some noise from this.
18	236 588	592-687	44						70%	
19	237 590	594-689	46						70%	
20	238 592	596-691	48			252			70%	E.O.T. #252 Tape MKTS.
21	240 594	598-693	40			253			70%	B.O.T. #253 #900 10sec. All ones. #239, 6sec. Wind
22	241 596	600-695	42						70%	Strip. Moved Recorder to 630-631
23	242 598	602-697	44						70%	
24	243 600	604-699	46						70%	due to house.
25	Skip 602	606-701	48						Skip	Finished For The Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 40 Hz. 12.6 sec.	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - V1100's 1 - V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate 1/42 sec. Record Length		OBSERVER J. Wings	PARTY MGR. L. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Polk.	DATE 3/6/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				253	OUT	IN		Recorder set up at 664-665
2	934 935 E.I.N.T.	2- " "								
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "		4						
6	932 Similarity	1-26 sec.	225			253				E.O.T. #253 Tape MKT3.
7	244 Wind Strip	1-6 sec.	16			254				B.O.T. #254 #900 10sec. All ones.
8	245 604	608-703	16						70%	Last half, Vib's having Problems Picking up
9	246 606	610-705	18						70%	Tones.
10	247 608	612-707	20						70%	
11	248 610	614-709	22						70%	
12	249 612	616-711	24						70%	Picking up leakage on line.
13	250 614	618-713	26			254			70%	Stacked Last half. Vib's having Problems Picking
14	252 616	620-715	28			255			70%	up tones. E.O.T. #254 Tape MKT3. B.O.T. #255
15	253 618	622-717	30						70%	#900 10sec. All ones. #251 6sec. Wind Strip
16	254 620	624-719	32						70%	standing by, Checking leakage on line.
17	255 622	626-721	34						70%	
18	256 624	628-723	36						70%	
19	257 626	630-725	38			255			70%	E.O.T. #255 Tape MKT3.
20	259 628	632-727	40			256			70%	B.O.T. #256 #900 10sec. All ones. #258 6sec.
21	260 630	634-729	42						70%	Wind Strip.
22										
23										Finished For The Day
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11003 1-V1900	TYPE GEOPHONE FTLEV22B.	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs Sample Rate 1/42 sec. Record		OBSERVER J. Wingo	PARTY MGR. L. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Polk	DATE 3/7/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Partly Cloudy		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				256	out	IN		Recorder set up at 703-704
2	934 ETNT	2- " "								Sta. # 729 dead due to Road.
3	936 D.R.D.	4- " "								
4	953 Sum Test	2- " "								
5	960 N. RJ Test	2- " "								
6	932 Similarity	1-26 sec.	225	4					50%	
7	261 Wind Strip	1-6 sec.	5							
8	262 632	636-731	5	4					70%	* 632 stacked last half.
9	263 634	638-733	7			256			70%	EOT # 256 Tape MKTs
10	265 636	640-735	9			257			70%	Bot # 257 # 900 10sec All ones # 264 6sec wind strip.
11	266 638	642-737	11						70%	
12	267 640	644-739	13						70%	
13	268 642	646-741	15						70%	
14									70%	Accident involving geophone truck and
15										Company employee -
16										
17										
18										Finished for the day.
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEV22B.	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec. Record Length		OBSERVER R. Patton / J. Wings		PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Polk	DATE 3-9-81
CREW NO. 6834	TERRAIN Mountains	WEATHER Cloudy	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1 - 6 sec				257	OUT	IN		Recorder set up AT 703-704
2	934/935 EINT	2 - " "								STA * 729 Dead due to Road.
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								vib # 12667 Down
5	960/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 26 sec	225	4		257			50%	EOT * 257 Tape mKts
7	269 Wind strip	1 - 6 sec	17			258				BOT * 258 * 900 10 sec All ones
8	270 644	648 - 743	17	4					70%	* 644 stacked 1st half
9	271 646	650 - 745	19						70%	
10	272 648	652 - 747	21						70%	
11	273 650	654 - 749	23						70%	
12	274 652	656 - 751	25						70%	
13	275 654	658 - 753	27			258			70%	EOT * 258 Tape mKts
14	277 656	660 - 755	29			259			70%	BOT * 259 * 900 10 sec All ones * 276 6 sec. Wind strip
15	278 658	662 - 757	31						70%	
16	279 660	664 - 759	33						70%	
17	280 662	666 - 761	35						70%	
18	281 664	668 - 763	37						70%	
19	282 666	670 - 765	39			259			70%	EOT * 259 Tape mKts
20	284 668	672 - 767	41			260			70%	BOT * 260 * 900 10 sec All ones * 283 6 sec Wind strip
21	285 670	674 - 769	43						70%	
22	286 672	676 - 771	45						70%	
23	287 674	678 - 773	47						70%	
24	288 676	680 - 775	49						70%	
25	289 678	682 - 777	13			260			70%	Moved Recorder to 741-742 EOT * 260 Tape mKts

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-1900	TYPE GEOPHONE ETLEU22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec Record Length.	OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 N → S		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>Cocorp</i>	AREA <i>ARK</i>	STATE <i>ARK</i>	COUNTY <i>Polk</i>	DATE <i>3-9-81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Mountains</i>	WEATHER <i>Clear</i>		LINE NO. <i>3</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 ~	AMP	
<i>1</i>	<i>291</i>	<i>680</i>	<i>684-779</i>	<i>15</i>	<i>4</i>	<i>261</i>	<i>OUT</i>	<i>IN</i>	<i>70%</i>	<i>Bot * 261 * 900 10 sec All ones * 290 6 sec wind strip</i>
<i>2</i>	<i>292</i>	<i>682</i>	<i>686-781</i>	<i>17</i>					<i>70%</i>	
<i>3</i>	<i>293</i>	<i>684</i>	<i>688-783</i>	<i>19</i>					<i>70%</i>	
<i>4</i>										<i>Finished For The Day.</i>
<i>5</i>										
<i>6</i>										
<i>7</i>										
<i>8</i>										
<i>9</i>										
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<i>11</i>										
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<i>21</i>										
<i>22</i>										
<i>23</i>										
<i>24</i>										
<i>25</i>										

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY			SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS						OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY POIK
CREW NO. 6834	TERRAIN Mountains	WEATHER Clear	DATE 3-10-81
			LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				261	OUT	IN		Recorder set up at 749-750
2	934 935 EINT	2 - " "								Sta # 729 Dead due to road.
3	936 939 DRD	4 - " "								
4	953 954 Sum TEST	2 - " "								Vib # 12667 down
5	960 961 NRT TEST	2 - " "								
6	932 Similarity	1 - 26 sec	225	4		261			50%	E.O.T. #261 Tape MKTS.
7	294 Wind Strip	1 - 6 sec	13			262				B.O.T. #262 #900 10 sec. All ones
8	295 686	690-785	13	4					70%	
9	296 688	692-787	15						70%	
10	297 690	694-789	17						70%	
11	298 692	696-791	19						70%	
12	299 694	698-793	21						70%	
13	300 696	700-795	23			262			70%	E.O.T. #262 Tape MKTS.
14	302 698	702-797	25			263			70%	B.O.T. #263 #900 10 sec. All ones. #301 6 sec. Wind
15	303 700	704-799	27						70%	Strip.
16	304 702	706-801	29						70%	Sta's # 800 + 802 Dead due to bridge.
17	305 704	708-803	31						70%	
18	306 706	710-805	33						70%	
19	307 708	712-807	35			263			70%	E.O.T. #263 Tape MKTS.
20	309 710	714-809	37			264			70%	B.O.T. #264 #900 10 sec. All ones. #308 6 sec.
21	310 712	716-811	39						70%	Wind Strip.
22	311 714	718-813	41						70%	
23	312 716	720-815	43						70%	
24	313 718	722-817	45						70%	
25	314 720	724-819	47			264			70%	E.O.T. #264 Tape MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - Y1100's 1 - X900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms sample rate / 42 sec Record length			OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>ARK.</i>	STATE <i>ARK.</i>	COUNTY <i>Polk</i>	DATE <i>3/10/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Mountainous</i>	WEATHER <i>Clear</i>		LINE NO. <i>3</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 ~	AMP	
1	722	726-821	49	4		265	OUT	IN		B.O.T. # 265 #900 10sec. All ones # 315 6sec.
2	724	728-823	26							Wind Strip
3	726	730-825	28							Finished For The Day.
4										
5										
6										
7										
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25										

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY			SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS		OBSERVER				PARTY MGR.					

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY POIK
CREW NO. 6834			DATE 3-11-81
TERRAIN Mountains		WEATHER Clear	LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				265	OUT	IN		Recorder set up AT 784-785
2	934/935 EINT	2 - " "								STA #800 + 802 Dead due to Bridges.
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	964/961 NRJ TEST	2 - " "								Vib # 12667 Down
6	932 Similarity	1 - 26 sec	225	4		265			50%	EOT # 265 Tape MKTS
7	319 Wind Strip	1 - 6 sec	20			266				Bot # 266 # 900 10 sec All ones.
8	320 728	732-827	20	4					70%	
9	321 730	734-829	22						70%	
10	322 732	736-831	24						70%	
11	323 734	738-833	26						70%	
12	324 736	740-835	28						70%	
13	325 738	742-837	30			266			70%	EOT # 266 Tape MKTS
14	327 740	744-839	32			267			70%	Bot # 267 # 900 10sec All ones. # 326 6 sec wind strip.
15	328 742	746-841	34						70%	
16	329 744	748-843	36						70%	
17	330 746	750-845	38						70%	
18	331 748	752-847	40						70%	
19	332 750	754-849	42			267			70%	E.O.T. # 267 Tape MKTS.
20	334 752	756-851	44			268			70%	B.O.T # 268 # 900 10sec. All ones. # 333 6sec. Wind
21	335 754	758-853	46						70%	Strip.
22	336 756	760-855	48						70%	
23	337 758	762-857	11						70%	Moved Recorder to 823-824
24	338 760	764-859	13						70%	
25	339 762	766-861	15			268			70%	E.O.T. # 268 Tape MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-V900	TYPE GEOPHONE FTLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec. Record Length			OBSERVER R Patton / J. Wingo	PARTY MGR. J. Davis	LINE DIR. 1 TO 24 N. → S.

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>			AREA <i>ARK.</i>			STATE <i>ARK.</i>			COUNTY <i>PALK.</i>			DATE <i>3/11/81</i>		
CREW NO. <i>6834</i>			TERRAIN <i>Mountainous</i>			WEATHER <i>Clear</i>			LINE NO. <i>3</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 ~	AMP					
<i>1</i>	<i>341</i>	<i>764</i>	<i>768-863</i>	<i>17</i>	<i>4</i>	<i>269</i>	<i>OUT</i>	<i>IN</i>		<i>B.O.T. #269 #900 10sec. All ones. #340 6sec.</i>				
<i>2</i>	<i>342</i>	<i>766</i>	<i>770-865</i>	<i>19</i>						<i>Wind Strip.</i>				
<i>3</i>										<i>Finished For The Day.</i>				
<i>4</i>														
<i>5</i>														
<i>6</i>														
<i>7</i>														
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<i>22</i>														
<i>23</i>														
<i>24</i>														
<i>25</i>														
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME			DRIVING TIME		SYSTEM NO.		
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN					
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL		LINE DIR. 1 TO 24		
REMARKS						OBSERVER				PARTY MGR.				

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Polk	DATE 3/12/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec				269	OUT	TN		Recorder set up at 837-838
2	934 935 EINT	2- " "								Sta's # 800-802 Dead due to bridges.
3	936 939 D.R.D.	4- " "								Sta # 890 open due to road.
4	953 954 Sum Test	2- " "								Vib. # 12667 Down.
5	960 961 N.R.J Test	2- " "								
6	932 Similarity	1-26 sec	225	4					50%	
7	343 Wind Strip	1-6 sec	7							
8	344 768	772-867	7	4		269			70%	EOT # 269 Tape MKTs
9	346 770	774-869	9			270			70%	Bot # 270 #900 10 sec All ones # 345 6 sec Wind Strip
10	347 772	776-871	11						70%	
11	348 774	778-873	13						70%	
12	349 776	780-875	15						70%	
13	350 778	782-877	17						70%	
14	351 780	784-879	19			270			70%	EOT # 270 Tape MKTs.
15	353 782	786-881	21			271			70%	Bot # 271 #900 10 sec All ones # 352 6 sec Wind Strip.
16	354 784	788-883	23						70%	
17	355 786	790-885	25						70%	
18	356 788	792-887	27						70%	
19	357 790	794-889	29						70%	
20	358 792	796-891	31			271			70%	EOT # 271 Tape MKTs
21	360 794	798-893	33			272			70%	Bot # 272 #900 10 sec All ones # 359 6 sec Wind strip
22	361 796	800-895	35						70%	
23	362 798	802-897	37						70%	
24	363 800	804-899	39						70%	
25	364 802	806-901	41						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec. Record Length		OBSERVER R. Patton / J. Wiggins		PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocorp	AREA ARK	STATE ARK	COUNTY Polk
CREW NO. 6834	TERRAIN Mountains	WEATHER Clear	DATE 3-12-81
			LINE NO. 3

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 ~	AMP		
1	365	804	808-903	43	4		272	OUT	IN	70%	EOT * 272 Tape mkt's
2	367	806	810-905	45			273			70%	BOT * 273 * 900 10sec Allowes * 366 6sec wind strip
3											Finished For the Day.
4											
5											
6											
7											
8											
9											
10											
11											
12											
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TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER		PARTY MGR.
					LINE DIR. 1 TO 24

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocorp	AREA ARK	STATE ARK	COUNTY POIK + Howard
CREW NO. 6834			DATE 3-13-81
TERRAIN Mountains		WEATHER Clear	LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				273	OUT	IN		Recorder set up AT 883-884
2	934/935 FINT	2 - " "								STA's #890 Dead due TO Road.
3	936/939 DRD	4 - " "								#920 Dead due TO STOVE.
4	953/954 Sum TEST	2 - " "								From STA's #884-924 Lind Runs Down HWY #246
5	960/961 NRJ TEST	2 - " "								Vib #12666 Down Back Aux Engine trouble.
6	932 Similarity	1 - 26 sec	225	4					50%	Vib #12667 Back ON Line.
7	368 Wind Strip	1 - 6 sec	1							
8	369 808	812 - 907	1						70%	*808 stacked last half due TO Bridge.
9	370 810	814 - 909	3						70%	
10	371 812	816 - 911	5						70%	
11	372 814	818 - 913	7			273			70%	FOT # 273 Tape MKTs
12	374 816	820 - 915	9			274			70%	BOT # 274 # 900 10 sec All ones #373 6sec, Wind Strip.
13	375 818	822 - 917	11						70%	
14	376 820	824 - 919	13						70%	
15	377 822	826 - 921	15						70%	
16	378 824	828 - 923	17						70%	
17	379 826	830 - 925	19						70%	
18	380 828	832 - 927	21			274			70%	FOT # 274 Tape MKTs
19	382 830	834 - 929	23			275			70%	BOT # 275 # 900 10 sec All ones # 381 6 sec Windstrip
20	383 832	836 - 931	25						70%	
21	384 834	838 - 933	27						70%	
22	385 836	840 - 935	29						50%	# 836 stacked 1st half.
23	386 838	842 - 937	31						50%	# 838 stacked last half.
24	387 840	844 - 939	33						70%	
25	388 842	846 - 941	35						70%	FOT # 275 Tape MKTs.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100 1-X 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate / 42 sec Record Length				OBSERVER R. Patten / J. Wings	PARTY MGR. P. Davis

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCO RP	AREA ARK	STATE ARK	COUNTY Polk + Howard	DATE 3-13-81
CREW NO. 6834	TERRAIN Mountains	WEATHER Clear		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	390	844	848-943	37	4	276	OUT	IN	70%	Bot #276 *900 10sec R.11 ONES * 389 6sec -
2	391	846	850-945	39					70%	wind strip.
3	392	848	852-947	41					70%	*949 Dead due to Drive way.
4	393	850	854-949	43					70%	Finished For The Day
5										
6										
7										
8										
9										
10										
11										
12										
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21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Polk + Howard	DATE 3-14-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear + Warm	LINE NO. 3	

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 ~	AMP	
1	933	Pulse	1 - 6 sec			276	OUT	IN		Recorder setup At 919-920
2	934/935	FWT	2 - " "							* 890 Dead due to Road * 920 Dead due to Store
3	936/939	DRD	4 - " "							* 949 Dead due to Drive way.
4	953/954	Sum Test	2 - " "							
5	960/961	N.R.J. Test	2 - " "							
6	932	Similarity	1 - 26 sec	225	5	276			50%	EOT # 276 Tape MKTs
7	394	Windstrip	1 - 6 sec	9		277				Bot # 277 * 900 10 sec All ones
8	395	852	856 - 951	9	5				70%	
9	396	854	858 - 953	11					70%	
10	397	856	860 - 955	13					70%	
11	398	858	862 - 957	15					70%	
12	399	860	864 - 959	17					70%	
13	400	862	866 - 961	19					70%	
14	401	864	868 - 963	21		277			70%	EOT # 277 Tape MKTs
15	403	865	869 - 964	22		278			70%	Bot # 278 * 900 10sec All ones # 402 6sec windstrip
16	404	866	870 - 965	23					50%	* 866 stacked 1st half.
17	405	872	876 - 971	29	4				50%	Vib # 12667 Down # 872 stacked last half.
18	406	873	877 - 972	30					70%	STAs # 867-871 Skip due to house's.
19	407	874	878 - 973	31					70%	
20	408	875	879 - 974	32					70%	
21	409	876	880 - 975	33		278			70%	EOT # 278 Tape MKTs
22	411	877	881 - 976	34		279			70%	Bot # 279 * 900 10 sec All ones # 410 6sec windstrip
23	412	878	882 - 977	35					70%	
24	413	879	883 - 978	36					70%	
25	414	880	884 - 979	37		279			70%	EOT # 279 Tape MKTs. # 880 Stacked 1st half

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8-40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100s 1-V900	TYPE GEOPHONE ETL FV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec. Record Length	OBSERVER R. Patton / J. Wingo	PARTY MGR. J. Davis			

(2 mile Skip due to State Hwy. will pick up line
 Move to line #4 will continue line #3 after
 line #4 is finished.)

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-25-81
CREW NO. 6834	TERRAIN Mountains	WEATHER Clear	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse	1-6 sec			296	OUT	IN		BOT # 296 *900 10sec All ones.
2	934/935	EINT	" " "							Recorder set AT 999-1000. *1001 Dead due to driveway.
3	936/939	DRD	" " "							*949 Dead due to Driveway. *1041 Dead due to Driveway.
4	953/954	Sum Test	" " "							From STA's 880-932 Skip due to Hwy #246 +
5	969/961	NRT Test	" " "							houses + TOWN OF Athens.
6	932	Similarity	1-26 sec	225	5				50%	Lot of Chicken houses All Along line.
7	415	Windstrip	1-6 sec	10						
8	416	933	937-1032	10	5				50%	*933 stacked last half due to houses.
9	417	935	939-1034	12					70%	
10	418	937	941-1036	14					70%	
11	419	939	943-1038	16					70%	
12	420	941	945-1040	18		296			70%	Foot # 296 Tape mKTS
13	422	943	947-1042	20		297			50%	Bot # 297 *900 10sec All ones *421 6sec windstrip
14	Skip	945	949-1044	22					Skip	UP *943 stacked 1st half.
15	Skip	947	951-1046	24					Skip	*945 + 947 Skip due to houses.
16	423	949	953-1048	26					50%	*949 stacked last half
17	424	951	955-1050	28					70%	
18	Skip	953	957-1052	30					Skip	*953-957 Skip due to houses.
19	Skip	955	959-1054	32					Skip	
20	Skip	957	961-1056	34					Skip	
21	425	959	963-1058	36					70%	
22	426	961	965-1060	38					70%	
23	427	963	967-1062	40					70%	
24	428	965	969-1064	42		297			70%	Foot # 297 Tape mKTS. V.P *967 Last VP. of the Day.
25	430	967	971-1066	44		298			70	Bot # 298 *900 10sec All ones *429 6sec windstrip

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1 1 2 2 3 3 x 3 3 2 2 1 1	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y 900	TYPE GEOPHONE Etl EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec Record Length	OBSERVER R. Patten / J. Wingo	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 N → S		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear	DATE 3-26-81
LINE NO. 3			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	pulse	1 - 6 sec			298	OUT	IN		Recorder set AT 1044-1045
2	934/935	EINT	2 - " "							*1001 + 1041 Dead due to Drive way.
3	936/939	DRD	4 - " "							STA's *1079 Dead due to Road.
4	953/954	Sum Test	2 - " "							Lot of Chicken houses Along Line.
5	969/961	NRS TEST	2 - " "							*1098 Dead due to Road.
6	932	Similarity	1 - 26 sec	225	5				50%	
7	431	Wind Strip	1 - 6 sec	1						
8	432	969	973-1068	1	5				70%	
9	433	971	975-1070	3					70%	
10	434	973	977-1072	5					70%	
11	435	975	979-1074	7		298			70%	EOT * 298 Tape MKTs
12	437	977	981-1076	9		299			50%	BOT * 299 * 900 10 sec All ones *436 6 sec wind Strip.
13	skip	979	983-1078	11					skip	*979 skip due to houses.
14	438	981	985-1080	13					50%	VP * 981 stacked last half.
15	439	983	987-1082	15					70%	
16	440	985	989-1084	17					70%	
17	441	987	991-1086	19					70%	
18	442	989	993-1088	21					70%	
19	skip	991	995-1090	23					skip	VP * 991 skip due to houses
20	443	993	997-1092	25		299			70%	EOT * 299 Tape MKTs
21	445	995	999-1094	27		300			70%	BOT * 300 * 900 10 sec All ones *444 6 sec wind strip.
22	skip	997	1001-1096	29					skip	
23	446	999	1003-1098	31					70%	VP * 999 stacked 1st half
24	447	1006	1010-1105	38					70%	VP * 1000-1005 skip due to houses.
25	448	1008	1012-1107	40					70%	VP * 1006 stacked 1st half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-γ 1100's	
REMARKS 4 ms Sample Rate / 42 sec Record Length		TYPE GEOPHONE 1-γ 900		FREQUENCY EtL EV 22B 7.5 Hz	
OBSERVER R. Patton / J Wings		STATION INTERVAL 330'		PARTY MGR. L Davis	
PATCH PATTERN 112233x332211		LINE DIR. 1 TO 24 N → S			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>Cocorp</i>	AREA <i>ARK</i>	STATE <i>ARK</i>	COUNTY <i>Howard</i>	DATE <i>3-27-81</i>
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CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road Rolling Hills</i>	WEATHER <i>Clear</i>	LINE NO. <i>3</i>
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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 ~	AMP	
1	<i>449 1010</i>	<i>1014-1109</i>	<i>42</i>	<i>5</i>		<i>300</i>	<i>OUT</i>	<i>IN</i>	<i>70%</i>	
2	<i>Skip 1012</i>	<i>1016-1111</i>	<i>44</i>						<i>Skip</i>	
3	<i>Skip 1014</i>	<i>1018-1113</i>	<i>46</i>						<i>Skip</i>	
4	<i>Skip 1016</i>	<i>1020-1115</i>	<i>48</i>						<i>Skip</i>	<i>due to housing</i>
5										
6										
7										
8										
9										
10										
11										
12										
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-28-79
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Cloudy	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				300	OUT	IN		Recorder set AT 1093 + 1094
2	934/935 EINT	2 - " "								STA's *1041 dead due to Drive way *1079 Dead due to Road. + *1098 dead due to Road.
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	964/961 NRS TEST	2 - " "								Trace #1 will be dead on up *1017.
6	932 Similarity	1 - 26 sec	225	5		300			50%	EOT * 300 Tape MKTS
7	450 Wind strip	1 - 6 sec	240			301				Bot * 301 * 900 10sec All ones.
8	451 1017	1021-1116	240	5					50%	
9	452 1019	1023-1118	2						70%	
10	453 1021	1025-1120	4						70%	UP* 1021 Stacked 1st half
11	454 Skip 1023	1027-1122	6						70%	Skip UP* 1023 skip due to houses.
12	454 1025	1029-1124	8						70%	
13	455 1027	1031-1126	10						70%	
14	456 1029	1033-1128	12						70%	Wind picking up.
15	457 1031	1035-1130	14			301			70%	EOT * 301 Tape MKTS
16	459 1033	1037-1132	16			302			70%	Bot * 302 * 900 10sec All ones # 458 6 sec wind strip.
17	460 1035	1039-1134	18						70%	
18	461 1037	1041-1136	20						70%	
19	462 1039	1043-1138	22						70%	
20	463 1041	1045-1140	24						70%	
21	464 1043	1047-1142	26						70%	
22	465 1045	1049-1144	28			302			70%	EOT * 302 Tape MKTS
23	467 1047	1051-1146	30			303			70%	Bot * 303 * 900 10sec All ones * 466 6 sec wind strip.
24	468 1049	1053-1148	32						70%	
25										Finished For the Day

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100's 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate / 42 sec Record Length				OBSERVER R. Patten / J Winge	PARTY MGR. P Dains

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-30-81
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear + WET	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1-6 sec				303	OUT	IN		Recorder set AT 1125-1126
2	934/935 EINT	2- " "								STA's *1041 Dead due to Drive way * 1079 + 1098
3	936/939 DRD	4- " "								Both Dead due to Roads.
4	953/954 Sum TEST	2- " "								Still very wet picking up some leakage.
5	969/961 NRS TEST	2- " "								had to walk line + Replant Jugs washed out
6	932 Similarity	1-26 sec	225	5					50%	BY Rain.
7	469 Wind Strip	1-6 sec	2							
8	470 1051	1055-1150	2	5					70%	
9	471 1053	1057-1152	4						70%	
10	472 1055	1059-1154	6			303			70%	EOT # 303 Tape MKTs.
11	474 1057	1061-1156	8			304			70%	Bot # 304 *900 10sec All ones * 473 6 sec Wind Strip.
12	475 1059	1063-1158	10						70%	
13	476 1061	1065-1160	12						70%	
14	477 1063	1067-1162	14						70%	
15	478 1065	1069-1164	16						70%	
16	479 1067	1071-1166	18						70%	
17	480 1069	1073-1168	20			304			70%	EOT # 304 Tape MKTs
18	482 1071	1075-1170	22			305			70%	Bot # 305 *900 10sec All ones *481 6 sec Wind Strip.
19	483 1073	1077-1172	24						70%	
20	484 1075	1079-1174	26						70%	
21	485 1077	1081-1176	28						70%	
22										Finished For The Day
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100's 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms sample Rate / 42 sec Record Length	OBSERVER R. Patton / J. Wingo.	PARTY MGR. J. Davis.	LINE DIR. 1 TO 24 N → S		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP		AREA ARK		STATE ARK		COUNTY Howard		DATE 3-31-81			
CREW NO. 6834		TERRAIN Dirt ROAD Rolling Hills		WEATHER Clear		LINE NO. 3					
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 ~	AMP		
1	933 Pulse	1 - 6. sec				305	OUT	IN		Recorder set AT 1153-1154	
2	934/935 FINT	2 - " "								*1098 + 1186 Both Dead due to Roads.	
3	936/939 DRD	4 - " "									
4	953/954 Sum Test	2 - " "									
5	969/961 NRS TEST	2 - " "									
6	932 Similarity	1 - 26 sec	225	5		305			50%	EOT * 305 Tape MKTs.	
7	486 Windstrip	1 - 6 sec	2			306				BOT * 306 * 900 10 sec All ones.	
8	487 1079	1083-1178	2	5					70%		
9	488 1081	1085-1180	4						70%		
10	489omit 1083	1087-1182	6						70%	OMIT File * 489 VP * 1083. Card * 12 IN 5mm I caused	
11	490 1085	1089-1184	8						70%	noise IN DATA toward End of Record Caught TO Late Re	
12	491 1087	1091-1186	10						70%	Shook VP * 1085.	
13	492 1089	1093-1188	12						70%		
14	493 1091	1095-1190	14			306			70%	EOT * 306 Tape MKTs	
15	495 1093	1097-1192	16			307			70%	BOT * 307 * 900 10 sec All ones * 494 6 sec windstrip.	
16	496 1095	1099-1194	18						70%		
17	497 1097	1101-1196	20						70%		
18	498 1099	1103-1198	22						70%		
19	499 1101	1105-1200	24						70%		
20	500 1103	1107-1202	26						70%		
21	501 1105	1109-1204	28			307			70%	EOT * 307 Tape MKTs	
22	503 1107	1111-1206	30			308			70%	BOT * 308 * 900 10 sec All ones * 502 6 sec windstrip.	
23	504 1109	1113-1208	32						70%		
24	505 1111	1115-1210	34						70%		
25	506 1113	1117-1212	36						70%		
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO. MDS-10	
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16		SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 112233X322211			
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4 - V1100's 1 - V900		TYPE GEOPHONE ETLEV22B		FREQUENCY 7.5 Hz		STATION INTERVAL 3.30'	
REMARKS 4 hrs. Sample Rate 1/42 sec Record		OBSERVER R. Patton J. Wings		PARTY MGR. L. Davis							

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-31-81
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear	LINE NO. 3	

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 ~	AMP	
1	507	1115	1119-1214	38	5	308	OUT	IN	70%	
2	508	1117	1121-1216	40					70%	
3	509	1119	1123-1218	42		308			70%	Eot # 308 Tape mKTS.
4										
5										Finished for the day.
6										
7										
8										
9										
10										
11										
12										
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 4-1-81
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills.	WEATHER Clear	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1 - 6 sec				309	OUT	IN		Bot * 309 * 900 10 sec All ones.
2	934/935 EINT	2 - " "								Recorder set AT 1195-1196
3	936/939 DRD	4 - " "								STA's * 1186 Dead due to Road.
4	953/954 Scum TEST	2 - " "								
5	969/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 26 sec	225	5						50%
7	510 Wind strip	1 - 6 sec	2							
8	511 1121	1125-1220	2	5						70%
9	512 1123	1127-1222	4							70%
10	513 1125	1129-1224	6							70%
11	514 1127	1131-1226	8							70%
12	515 1129	1133-1228	10			309				70% EOT * 309 Tape MKTs.
13	517 1131	1135-1230	12			310				70% Bot * 310 * 900 10 sec All ones * 516 6 sec Wind strip.
14	518 1133	1137-1232	14							70% Removed Jugs on STA's * 217 OUT OF WATER.
15	519 1135	1139-1234	16							70%
16	520 1137	1141-1236	18							70%
17	521 1139	1143-1238	20							70%
18	522 1141	1145-1240	22							70%
19	523 1143	1147-1242	24			310				70% EOT * 310 Tape MKTs
20	525 1145	1149-1244	26			311				70% Bot * 311 * 900 10 sec All ones. * 524 6 sec wind strip.
21	526 1147	1151-1246	28							70%
22	526 Skip	1149	30							70% * 1149 skip due to houses.
23	527 1151	1155-1250	32							70%
24										Finished For The Day.
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1122 33 x 33 22 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y 1100s 1-y 900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec Record Length	OBSERVER R. Patten / J Wings	PARTY MGR. J Davis	LINE DIR. 1 TO 24 N → S		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard
CREW NO. 6834		TERRAIN Dirt Road Rolling Hills	WEATHER Clear
			DATE 4-2-81
			LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				311	OUT	IN		Recorder set AT 1226-1227
2	934 935 FINT	2 - " "								STA # 1186 Dead due TO Road.
3	936 939 DRD	4 - " "								
4	953 954 Sum TEST	2 - " "								
5	960 961 NRS TEST	2 - " "								
6	932 Similarity	1 - 26 sec	225	5						50%
7	528 Wind strip	1 - 6 sec	3							
8	529 1153	1157 - 1252	3	4						70% Vib # 17311 Down.
9	530 1155	1159 - 1254	5			311				70% EOT # 311 Tape mKts
10	532 1157	1161 - 1256	7			312				70% BOT # 312 # 900 10 sec All ones # 531 6 sec wind strip.
11	533 1159	1163 - 1258	9							70%
12	534 1161	1165 - 1260	11							70%
13	535 1163	1167 - 1262	13							70%
14	536 1165	1169 - 1264	15							70%
15	537 1167	1171 - 1266	17							70%
16	538 1169	1173 - 1268	19			312				70% EOT # 312 Tape mKts.
17	540 1171	1175 - 1270	21			313				70% BOT # 313 # 900 10 sec All ones # 539 6 sec wind strip.
18	541 1173	1177 - 1272	23							70%
19	542 1175	1179 - 1274	25							70%
20	543 1177	1181 - 1276	27							70%
21	544 1179	1183 - 1278	29							70%
22	545 1181	1185 - 1280	31							70%
23	546 1183	1187 - 1282	33			313				70% EOT # 313 Tape mKts
24	548 1185	1189 - 1284	35			314				70% BOT # 314 # 900 10 sec All ones # 547 6 sec wind strip.
25	549 1187	1191 - 1286	37							70%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1122 33 x 33 22 11
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y900	TYPE GEOPHONE FTL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms sample Rate / 42 sec Record Length			OBSERVER R. Patten / J. Wings	PARTY MGR. P. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 4
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear		LINE NO. 3

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 ~	AMP	
1	1189	1193-1288	39	4		314	OUT	IN	70%	Finished For the Day
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT Cocorp	AREA ARK	STATE ARK	COUNTY Howard	DATE 4-3-81
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Partly Cloudy + Windy	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1-6sec				314	OUT	IN		Recorder set at 1262-1263
2	934 ETNT	2- " "								
3	935 D.R.D.	4- " "								
4	936 Sun Test	2- " "								
5	937 N.R.J. Test	2- " "								Vib * 17311 Down Trouble with mass going up +
6	932 Similarity	1-26sec	225	4					50%	Down properly.
7	551 Wind Strip	1-6sec	5							
8	552 1191	1195-1290	5	4					70%	
9	553 1193	1197-1292	7			314			70%	EOT * 314 Tape mkt.
10	555 1195	1199-1294	9			315			70%	Bot * 315 * 900 10sec All ones * 554 6sec wind strip.
11	556 1197	1201-1296	11						70%	Wind picking up.
12	557 1199	1203-1298	13						70%	
13	558 1201	1205-1300	15						70%	
14	559 1203	1207-1302	17						70%	
15	560 1205	1209-1304	19						70%	
16	561 1207	1211-1306	21			315			70%	EOT * 315 Tape mkt.
17	563 1209	1213-1308	23			316			70%	Bot * 316 * 900 10sec All ones * 562 6sec wind strip.
18	564	1215-1310	25						70%	Starting to pick up thunder + light rain.
19										Finished For The Day.
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 3 → 40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-11100's 1-1900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS Trans. Sample Rate / 42 sec. Record	OBSERVER R. Patton / J. Wings	PARTY MGR. J. Davis	PAGE 41 OF 48		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard	DATE 4/6/81
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear + Windy.		LINE NO. 3

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 ~	AMP	
1	933 Pulse	1-6 sec.				316	OUT	IN		Recorder set AT 1287-1288
2	934 935 EINT	2- " "								
3	936 939 D.R.D.	4- " "								
4	953 954 Sum test	2- " "								Loggers working AT*1266.
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26 sec.	225	4					50%	Vib # 12667 Down. having Flat Tire Fixed.
7	564 Wind Strip	1-6 sec.	240							
8	565 1211	1215-1310	240	4					70%	on vp* 1211 Trace #1 + 2 Dead. Re shock vp* 1211.
9	566 1213	1217-1312	2						70%	
10	567 1215	1219-1314	4						70%	
11	568 1217	1221-1316	6			316			70%	EOT # 316 Tape MKTs.
12	570 1219	1223-1318	8			317			70%	Bot # 317 # 900 10sec All ones # 569 6sec wind strip.
13	571 1221	1225-1320	10						70%	
14	572 1223	1227-1322	12						70%	
15	573 1225	1229-1324	14						70%	
16	574 1227	1231-1326	16						70%	
17	575 1229	1233-1328	18						70%	
18	576 1231	1235-1330	20			317			70%	E.O.T. # 317 Tape MKTs.
19	578 1233	1237-1332	22			318			70%	B.O.T. # 318 # 900 10sec. All ones. # 577 6sec. Wind Strip.
20	579 1235	1239-1334	24							
21	580 1237	1241-1336	26							
22	581 1239	1243-1338	28							Finished For The Day.
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40Hz. 1/26 sec	SWEEP PATTERN #163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X 32211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-1900	TYPE GEOPHONE ETA EV 22 B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 sec. Sample Rate 1/42 sec. Record Length		OBSERVER R. Patton / J. Wingo		PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP		AREA ARK		STATE ARK		COUNTY Howard		DATE 4-7-81			
CREW NO. 6834		TERRAIN Dirt Road, Rolling Hills		WEATHER Clear + Windy		LINE NO. 3					
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
1	933	Pulse	1 - 6 sec			318	OUT	IN		Recorder set AT 1316-1317	
2	934/935	EINT	2 - 6 sec.							STA'S # 1343 + 1347 Both Dead due TO Drive ways.	
3	936/939	DRD	4 - " "							Loggers working AT STA'S # 1266.	
4	953/954	Sum TEST	2 - " "								
5	960/961	NRT TEST	2 - " "							Vib # 12666 Down Transmission Trouble.	
6	932	Similarity	1 - 26 sec	225	4	318			50%	EOT # 318 Tape MKTS	
7	582	Wind strip	1 - 6 sec	1		319				Bot # 319 #900 10 sec All ones.	
8	583	1241	1245-1340	1	4				70%		
9	584	1243	1247-1342	3					70%		
10	585	1245	1249-1344	5					70%		
11	586	1247	1251-1346	7					70%	Wind Picking up.	
12	587	1249	1253-1348	9					70%		
13	588	1251	1255-1350	11					70%		
14	589	1253	1257-1352	13		319			70%	EOT # 319 Tape MKTS	
15	591	1255	1259-1354	15		320			70%	Bot # 320 #900 10 sec All ones # 591 6 sec wind strip.	
16	592	1257	1261-1356	17					70%	Shutting down due to Wind noise on line.	
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 → 40 Hz / 26 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16		SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 112233x332211			
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-y 1100's 1-y 900		TYPE GEOPHONE ETLEU 22B		FREQUENCY 7.5 Hz		STATION INTERVAL 330'	
REMARKS 4ms Sample Rate / 42 sec Record Length		OBSERVER R. Patton / J. Wings		PARTY MGR. L. Davis		LINE DIR. 1 TO 24 N → S					

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard	DATE 4/2/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Overcast	LINE NO. 3	

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 ~	AMP	
1	933 Pulse	1-6sec.				320	OUT	IN		Recorder Set at 1334-1335
2	934 935 EINT	2- " "								Sta's 1343 + 1347 Dead due to Driveways.
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								Vib #12666 Down
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.	225	4						50%
7	593 Wind Strip	1-6sec.	1							
8	594 1259	1263-1358	1	4						70%
9	595 1261	1265-1360	3							70%
10	596 1263	1267-1362	5			320				70% Fot # 320 Tape MKTs
11	598 1265	1269-1364	7			321				70% Bot # 321 # 900 10sec All ones # 597 6sec wind strip.
12	Skip 1267	1271-1366	9							70% Skip #1267 Skipped due to Pipe Line.
13	Skip 1269	1273-1368	11							70% Skip #1269 Skipped due to Vibs could not pick up tones.
14	599 1271	1275-1370	13							70%
15	600 1273	1277-1372	15							70%
16	601 1275	1279-1374	17							70%
17	602 1277	1281-1376	19							70%
18	603 1279	1283-1378	21							70%
19	604 1281	1285-1380	23			321				70% E.O.T. #321 Tape MKTs.
20	606 1283	1287-1382	25			322				70% B.O.T. #322 #900 10sec. All ones. #605 6sec. Wind Strip
21	607 1285	1289-1384	27							70%
22	608 1287	1291-1386	29							70%
23	609 1289	1293-1388	31							70%
24	610 1291	1295-1390	33							70%
25	Skip 1293	1297-1392	35							70% Skip #1293 Skipped due to House.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1X900	TYPE GEOPHONE ETLEVZRB	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate 1/42 sec. Record	OBSERVER R. Patton / G. King	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 N-5		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>CDCORP</i>		AREA <i>ARK.</i>		STATE <i>ARK.</i>	COUNTY <i>Howard</i>	DATE <i>4/8/81</i>				
CREW NO. <i>6834</i>		TERRAIN <i>Rolling Hills.</i>		WEATHER <i>Overcast</i>		LINE NO. <i>3</i>				
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 ~	AMP	
<i>1</i>	<i>1295</i>	<i>1299-1394</i>	<i>37</i>	<i>4</i>		<i>322</i>	<i>OUT IN</i>	<i>70%</i>		
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY	STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER		PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard	DATE 4-9-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy + wet.		LINE NO. 3

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 ~	AMP	
1	933 Pulse	1-6sec				322	OUT	IN		Recorder set at 1369-1370
2	934 935 E.T.N.T.	2-''''								Sta's. 1343 + 1347 Dead due to drive ways.
3	936 939 D.R.D.	4-''''								Vib # 12666 Down.
4	953 954 Samtest	2-''''								
5	960 961 N.R.S. Test	2-''''				322				E.O.T. #322 Tape MKTS.
6	932 Similarity	1-26sec	225	4		323			50%	B.O.T. #323 #900 10sec. All ones.
7	612 Wind Strip	1-6sec	4							
8	613 1297	1301-1396	4	4					70%	
9	614 1299	1303-1398	6						70%	
10	615 1301	1305-1400	8						70%	
11	616 1303	1307-1402	10						70%	
12	617 1305	1309-1404	12						70%	
13	5Kip 1307	1311-1406	14						70%	5Kip #1307 Skipped due to House.
14	618 1309	1313-1408	16			323			70%	F.O.T. #323 Tape MKTS.
15	620 1311	1315-1410	18			324			70%	B.O.T. #324 #900 10sec. All ones. #619 6sec.
16	621 1313	1317-1412	20						70%	Wind Strip
17	622 1315	1319-1414	22						70%	
18	623 1317	1321-1416	24						70%	
19	624 1319	1323-1418	26						70%	
20	625 1321	1325-1420	28						70%	
21	626 1323	1327-1422	30			324			70%	E.O.T. #324 Tape MKTS.
22	628 1325	1329-1424	32			325			70%	B.O.T. #325 #900 10sec All ones. #627 6sec.
23	629 1327	1331-1426	34						70%	Wind Strip.
24	630 1329	1333-1428	36						70%	
25	631 1331	1335-1430	38						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 40Hz / 26sec	SWEEP PATTERN 4/6.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS Hms. Sample Rate / 42 sec. Record		OBSERVER R. Patton	PARTY MGR. J. Lingo		LINE DIR. 1 TO 24 N → S

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP		AREA ARK.		STATE ARK.		COUNTY Howard		DATE 4/9/81			
CREW NO. 6834		TERRAIN Rolling Hills		WEATHER Cloudy + wet				LINE NO. 3			
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
1	632	1333	1337-1432	40	4	325	OUT	IN			
2	633	1335	1339-1434	42							
3										Sta's 1337-1347 will be skipped due to Housing.	
4											
5											
6										Finished For The Day.	
7											
8											
9											
10											
11											
12											
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		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Howard + Hempstead	DATE 4/10/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear to Partly Cloudy + Windy		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				326	OUT	IN		B.D.T. #326 #900 All ones.
2	934 935 FIAT	2- " "								Recorder set at 1420-1421
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								
5	960 961 N.R.T. Test	2- " "								
6	932 Similarity	1-2.6 sec.	225	4						50% Vib #12667 Down due to leak in front
7	634 Wind Strip	1-6 sec.	23							engin seal.
8	635 1367	1371-1466	23							50% Stacked due to House.
9	636 1373	1377-1472	29							50% Sta's #1368-1372 Skipped due to Housing.
10	637 1374	1378-1473	30							70% Sta's 1373 - Stacked Last half.
11	638 1375	1379-1474	31							70%
12	639 1376	1380-1475	32							70%
13										Sta's 1337-1366 Skipped due to Housing
14										also could vibrate on pavement.
15										
16										
17										
18										E.O.L. #3
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 3-40 Hz / 2.6 sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-4900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 338'
REMARKS 4ms. Sample Rate / 42 sec. Record			OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	