

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Scotty 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	80~	AMP	
1	933 Pulse	1-6 sec.				217	OUT	IN		B.O.T. #217.10 sec. All one's. #900.
2	934 935 FINT	2- " "								Recorder set AT 92-93. START OF Line #3
3	936 937 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.T. Test	2- " "								
6	932 Similarity	1-26 sec.	225	4					50%	Vib #14256 OUT.
7	001 Wind Strip	1-6 sec.							-	
8	002 98	1-94	239	4					70%	
9	SKIP 100	1-96	1						SKIP	VP #100 + 102 SKIP due to houses.
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 → 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-Y900	TYPE GEOPHONE ETHEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS Was Sample Rate 142 sec Record Length		OBSERVER R. Patton Jr. 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. 60834	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	80 ~	AMP	
1 933	Pulse	1-6sec				219	OUT	IN		Recorder set up at 105-106
2 934 935	ETNT	2- " "								*77 Dead due to Intersection *88 Dead due to Bridge
3 936 939	D.R.D.	4- " "								*143 Dead due to Intersection.
4 953 954	Sum Test	2- " "								
5 960	W.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% E.O.T #219 Tape MKTS
10 023	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 10 sec 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 10 sec 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 112233 X 332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11003 1-1900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 sec Sample Rate / 42 sec Record Length	OBSERVER R. Patton J. Ludwig	PARTY NO. L. Davis			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocopp	AREA ARK	STATE ARK	COUNTY SCOTT	DATE 2-17-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80 ~	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 L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 Pulse	1-6 sec				223	OUT	IN		BOT * 223 * 900 10sec All ones.
2	734/935 EINT	2- " "								Recorder set AT
3	936/939 DRD	4- " "								* 88 Dead due to Bridge. * 143 dead due to Intex-section.
4	953/954 Sum TEST	2- " "								
5	960/961 N.P.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%	Vib # 12. lolole OUT due to Sweep problems
10										Vib # 16344 TN on V.P. # 183
11										Sweep pit card went out TN vib # 16344
12										spares already sent End for repairs.
13										Shutting Down.
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. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X3.32211	
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 Patch 147 sec Record Length			OBSERVER R. Patten J. Wingo	PARTY MOR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
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 L T E R			REMARKS
							LOCUT	80 ~	AMP	
1 933	Pulse	1-6 sec.				223	OUT	EV		Recorder set up at
2 934	ETMT	2- " "								#88 Dead due to Bridge. #143 Dead due
3 935	D.R.D.	4- " "								to intersection.
4 936	Surf Test	2- " "								
5 937	N.R.J. Test	2- " "								
6 932	Similarity	1-26 sec.		5		223				E.O.T. #223 Tape MKTS.
7 050	Wind Strip	1-6 sec.	6			224				B.O.T. #224 #900 10 sec. 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			5kip	B.O.T. #225 #900 10 sec. All ones. #58 6 sec. Wind Strip
16 059	201	102-197	2						70%	Moved Recorder 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 v213
22 065	213	114-209	14			225			70%	Sta. #207 had a set of 2 nd Breaks.
23 Skip	215	116-211	16						5kip	Finished For The Day. #215 Skip
24										due to Bridge
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz. 1/26 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-V800	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs 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	DATE 2/21/81
CREW NO. 16834	TERRAIN Rolling Hills	WEATHER Over Cast	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F L T E R			REMARKS
							LOCUT	80 ~	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 Rd. Test	2- " "								
6	932 Similarity	1-26sec.	225	5					50%	
7	066 Wind Strip	1-6sec.	4						-	Vib #16344 Out.
8	067 238	242-337	4	4					70%	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 / 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-Y11003 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 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			REMARKS
							LOCUT	80 ~	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								
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	SKIP 275	279-374	13						SKIP	*275 Skip due to TERRAIN Vibs 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						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 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-Y 1100's 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 47ms Sample Rate / 42 sec Record	OBSERVER K. Patten	PARTY MGR. J. Wings			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 + 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.T. 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.
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SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/63	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-Y1100's 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz
REMARKS 4 ms sample rate / 42 sec Record			OBSERVER R Patton J Wings	PARTY MGR. F. Davis

STATION INTERVAL 330'	LINE DIR. 1 TO 24 N → S
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**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY SCOTT & POIK	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.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1 - 6 sec.				233	OUT	IN		Recorder set AT
2	934 EINT	2 - " "								Sta #344 Dead due to bridge. Sta #430 dead due bridge
3	935 DRD	4 - " "								From Sta. 364-416; There are Highlines
4	936 Sum Test	2 - " "								running along our line, Plus numerous Houses. Also
5	937 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 #12 to 7 OUT.
7	112 Wind Strip	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. #120 6 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. #128 6 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 4163		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 1100S 1-Y 900	
REMARKS 4 ms Sample Rate / 42 sec. Record		TYPE GEOPHONE ETL EV 22B		FREQUENCY 7.5 Hz	
OBSERVER R. Patton		PARTY MGR. J Wings		STATION INTERVAL 330'	
				LINE DIR. 1 TO 24 N → S	

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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	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	349	353-448	31	4		236	OUT	IN		
2	350	354-449	32							
3	351	355-450	33			236			E.O.T. # 236 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.		

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Division
Geosource Inc.

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Scott + Blk	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.	F I L T E R			RE MARKS
							LOCUT	80 ~	AMP	
1	933 Pulse	1-6sec.				237	OUT	IN		B.O.T. #237 900 10sec. All ones.
2	934 ETNT	2-'' ''								Recorder set up at 429-430
3	935 D.R.D.	4-'' ''								Sta. #430 dead due to bridge.
4	936 Sum Test	2-'' ''								vib #12 lab 7 out due to INST. Problems.
5	937 N.R.J. Test	2-'' ''								
6	932 Similarity	1 - 0.1 sec.	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 houses.
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	143 367	371-466	14			238			70%	B.O.T #238 900 10. sec. 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.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40 Hz / 2.6 sec.	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1122.33 X 3.322 11	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100 ³ 1-V900	TYPE GEOPHONE ETLEVR22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 3.70'
REMARKS Hms. Sample Rate 1/42 sec. Record Length	OBSERVER R. Patton	PARTY MGR. J. 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 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	80 ~	AMP	
1	933 Pulse	1-6 sec.				239	OUT	IN		Recorder set AT 498-499
2	934 955 EINT	2-"								*430 Dead due TO Bridge.
3	935 959 D.R.D.	4-"								#542 Dead due TO Bridge + 548 Dead due TO Hwy #8
4	936 954 SunTest	2-"								
5	937 961 N.R.J. TEST	2-"								Vib #12667 Down INST. Problems.
6	932 Similarity	1-26 sec.	225	4		239				EOT # 239 Tape MkTs
7	155 WindStrip	1-6 sec.	1			240				Bot # 240 *900 10sec All ones.
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 10sec 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 10sec All ones *172 6sec windstrip.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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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 2211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V 11005 1-V 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz
REMARKS 4 ms Sample Rate / 42 sec Record Length			OBSERVER R. Patton J Wings	PARTY NO. L Davis

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP		AREA ARK		STATE ARK		COUNTY POLK		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			RE MARKS	
							LOCUT	80 ~	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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec.				243	OUT	IN		Recorder set up at
2	934 FINT	2- " "								#542 Dead due to Bridge + #548 - Dead due to
3	935 D.R.D.	4- " "								Hwy #8
4	936 Sub Test	2- " "								Vib #12667 Down due to INST. Problems.
5	937 N.R.I. Test	2- " "								
6	932 Similarity	1-26 sec	225	4						
7	184 Wind Strip	1-6 sec.	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 6 sec 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 skiped 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 10 sec. All ones. #195 6 sec. 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 skiped 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
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SWEEP FREQUENCY 2-40 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-VI865 1-1900	TYPE GEOPHONE ETLEVAZB	FREQUENCY 7.5 Hz
STATION INTERVAL 3.30'		LINE DIR. 1 TO 24 N-3.5		

REMARKS 4 hrs Sample Rate / 42 sec. Record Length	OBSERVER R. Patton / J. Wingo	PARTY MGR. Z. Davis
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**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	

Stations will be re-estimated with new instrument

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80 ~	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. E.O.T. #245 Tape M.K.T.S. B.O.T
5										#246 #900 10sec. All ones #204 6sec. Wind Strip.
6										
7										Finished For The Day.
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										

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

*Notice:
New 310A Instruments beginning Today

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			RE MARKS
							LOCUT	80 ~	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 HWI*
3	936 939 D.R.D.	4- " "								8. Reshaking VP* 529, 531 + 533.
4	953 Sum Test	2- " "								Now have new 310A INST. Reshaking 3 Stations.
5	960 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 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-V11005 1-Y900	TYPE GEOPHONE ETLEV223	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec Record Length	OBSERVER R. Patton	PARTY MGR. J. Wingo	PARTY MGR. J. Davis		

* Notice

Stations Repeated

**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.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 Pulse	1-6 sec.				250	OUT	IN		B.O.T. #250 #900 10sec. All ones.
2	934 835 EINT	2- " "								Recorder set up at 620-621
3	936 939 D.R.D.	4- " "								
4	953 954 Sam TEST	2- " "								
5	960 961 N.R.T. Test	2- " "								Tape MKTS.
6	932 Similarity	1-2 6sec.	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						70%	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						70%	Skip Finished For The Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDJ-10
SWEEP FREQUENCY 8-240Hz. 12/6sec.	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-V11003 1-V900	TYPE GEOPHONE ETLEU22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS Trans. 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 L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 Pulse	1-6sec.				253	OUT	IN		Recorder set up at 664-665
2	934 875 FINT	2- " "								
3	935 879 D.R.D.	4- " "								
4	953 854 Sum Test	2- " "								
5	968 861 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.	225			253				E.O.T. #253 Tape MKT3.
7	244 Wind Strip	1-6sec.	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 4/63	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-V11005 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 hrs Sample Rate 142 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 Sta. # 729 dead due to Road.
2 934	ETNT	2- " "								
3 935	D.R.D.	4- " "								
4 936	Sum Test	2- " "								
5 937	N.R.T. 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%	ENT # 256 Tape MKTs
10 265	636	640-735	9			257			70%	BOT # 257 # 900 10sec 811 axes # 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										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.
SWEEP FREQUENCY 8-40Hz / 26 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 R. Patton J. Wingo	PARTY MOR.	

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.	FILTER			REMARKS
							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 lead.
3	936/939 DRD	4 - " "								
4	953/959 Sum TEST	2 - " "								vib = 12667 Down
5	960/961 NRJ 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.
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SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233 X 332211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 11005 1-Y 900	TYPE GEOPHONE ETLEU22B	FREQUENCY 7.5Hz
REMARKS 4 ms Sample Rate / 42 sec Record Length.		OBSERVER K. 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>3-9-81</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			RE MARKS
							LOCUT	BO ~	AMP	
1	680	684 - 779	15	4		261	OUT	IN	70%	Bot * 261 * 900 10 sec All ones * 290 6 sec wind strip
2	682	686 - 781	17						70%	
3	684	688 - 783	19						70%	Finished For the Day.
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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.					

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY POIK	DATE 3-10-81
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				261	OUT	IN		Recorder set up at 749-750
2 934	EXT	2 - " "								Sta # 729 Dead due to road.
3 936	DRD	4 - " "								
4 953	Sum Test	2 - " "								Vib # 12667 down
5 969	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 4/163	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 - V1100's 1 - V900	TYPE GEOPHONE ETLEV 22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms 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.	FILTER			REMARKS
							LOCUT	60~	AMP	
<i>1</i>	<i>316</i>	<i>722</i>	<i>726-821</i>	<i>49</i>	<i>4</i>	<i>265</i>	<i>OUT IN</i>			<i>B.O.T. #265 #900 10sec. All ones #315 6sec.</i>
<i>2</i>	<i>317</i>	<i>724</i>	<i>728-823</i>	<i>26</i>						<i>Wind Strip</i>
<i>3</i>	<i>318</i>	<i>726</i>	<i>730-825</i>	<i>28</i>						<i>Finished For The Day.</i>
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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	DATE 3-11-81
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	80~	AMP	
1 933	Pulse	1 - 6 sec				265	OUT	IN		Recorder set up AT 784-785
2 934/935	FINT	2 - " "								STA #800 + 802 Dead due to Bridges
3 939	DRD	4 - " "								
4 953/954	Sum TEST	2 - " "								
5 964/965	NRJ TEST	2 - " "								Vib # 12667 Down
6 932	Similarity	1 - 26 sec	225	4		265			50%	EAT # 265 Tape MKTS
7 319	Wind Strip	1 - 6 sec	20			266				Bot # 266 * 900 10sec 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%	EAT # 266 Tape MKTS
14 327	740	744-839	32			267			70%	Bot # 267 * 900 10sec All ones. # 326 6sec 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. 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-V11005 1-1900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 930'
REMARKS 4ms Sample Rate / 42 sec Record Length			OBSERVER R. Patton / J. Wingo	PARTY NO.	LINE DIR. 1 TO 24 N-7.5

**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.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	764	768-863	17	4		269	OUT	IN		B.O.T. #269 #900 10 sec. All ones. #340 6 sec.
2	766	770-865	19							Wind Strip.
3										<i>Finished For The Day.</i>
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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.		

**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.	F I L T E R			RE MARKS
							LOCUT	BD ~	AMP	
1	Pulse	1-6 sec				269	OUT	TN		Recorder set up at 8:37-8:38
2	934 935 EINT	2- " "								Sta's # 800-802 Dead due to bridges.
3	936 937 D.R.D.	4- " "								Sta # 890 open due to road.
4	953 954 Sum Test	2- " "								Vib. # 12, 16, 7 Down.
5	960 961 N.R.S. 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. 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-V1100 1-V900	TYPE GEOPHONE ETLEVR28	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS 4ms sample rate / 47 sec record length			OBSERVER R. Patton	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>3-12-81</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	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	50 ~	AMP		
<i>1</i>	<i>804</i>	<i>808 - 903</i>	<i>43</i>	<i>4</i>		<i>272</i>	<i>OUT</i>	<i>IN</i>	<i>70%</i>	<i>EOT * 272 Tape mts</i>	
<i>2</i>	<i>806</i>	<i>810 - 905</i>	<i>45</i>			<i>273</i>			<i>70%</i>	<i>Bot * 273 * 900 10sec Allowes * 366 6 sec Wind Strip</i>	
<i>3</i>										<i>Finished For the Day.</i>	
<i>4</i>											
<i>5</i>											
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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	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MOR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT Cocorp	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.	FILTER			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 Stone.
4	953/954 Sum Test	2 - " "								From STA's * 884-924 hind Runs Down Hwy * 246
5	869/961 NPJ 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%	EOT # 273 Tape MKTs
12	374 816	820 - 915	9			274			70%	Bot # 274 * 900 10 sec All ones * 373 6 sec. 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%	EOT # 274 Tape MKTs
19	382 830	834 - 929	23			275			70%	Bot # 275 * 900 10 sec All ones * 381 6 sec Wind strip
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%	EOT # 275 Tape MKTs.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 40Hz / 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 1-y 900	TYPE GEOPHONE E+L EU22.B	FREQUENCY 7.5 Hz
STATION INTERVAL 330'			LINE DIR. 1 TO 24 N → S	

REMARKS 4 ms Sample Rate / 42 sec Record length	OBSERVER R. Patton / J. Wings	PARTY MGR. E. Davis
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**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.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	844	848-943	37	4		276	OUT	IN	70%	Bot #276 *900 10sec B.11 ONES *389 6sec.
2	846	850-945	39						70%	wind strip.
3	848	852-947	41						70%	*949 Dead due to Drive way.
4	850	854-949	43						70%	Finished For The Day
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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.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

Notice

**Exploration Services
Division
Geosource Inc.**

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	COP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	933 pulse	1 - 6 sec				276	OUT	IN		Recorder setup At 919-920
2	934/935 Fint	2 - " "								* 890 Dead due to Road * 920 Dead due to Store.
3	936/939 DRD	4 - " "								* 949 Dead due to Drive way.
4	937/954 Sum Test	2 - " "								
5	960/961 NRS 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 10 sec All ones * 402 6 sec 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 houses.
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 6 sec 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. ADS-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 ETLEV220	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate 1/42 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.	F I L T E R			REMARKS
							LOGUT	80 ~	AMP	
1 933	Pulse	1 - 6 sec				296	OUT	IN		BOT * 296 * 900 10sec All ones.
2 934	FINT	" " "								Recorder set AT 999-1000. *1001 Dead due to Drive way.
3 939	DRD	" " "								*949 Dead due to Drive way. *1041 Dead due to Drive way.
4 954	Sum Test	" " "								From STA's 880-932 Skip due to Hwy #246 +
5 961	NRT Test	" " "								houses + TOWN OF Athens.
6 932	Similarity	1 - 26 sec	225	5					50%	Lot of Chicken houses All Along line.
7 415	Wind Strip	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%	EOT # 296 Tape mKTS
13 422	943	947 - 1042	20			297			50%	BOT * 297 * 900 10sec All ones # 421 6sec Wind Strip
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%	EOT * 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 Wind Strip

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 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 EV 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	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT Cocorp	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-26-81
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			REMARKS
							LOCUT	BD ~	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: *1079 Dead due to Road.
4	953/954 Sum Test	2 - " "								Lot of Chicken houses Along Line.
5	960/961 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 4/6.3		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 1100'	
REMARKS 4 ms Sample Rate / 42 sec Record Length		TYPE GEOPHONE 1-Y 900		FREQUENCY Eth EV22B 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 COCORP	AREA ARK	STATE ARK	COUNTY Howard	DATE 3-27-81
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			REMARKS
							LOCUT	80~	AMP	
1	449 1010	1014-1109	42	5		300	OUT	IN	70%	
2	skip 1012	1016-1111	44						skip	
3	skip 1014	1018-1113	46						skip	
4	skip 1016	1020-1115	48						skip	due to housing
5										
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
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.	F I L T E R			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 - " "								
4 939/954	Sum TEST	2 - " "								
5 969/961	NRT TEST	2 - " "								Trace *1 will be dead on VP *1017.
6 932	Similarity	1 - 26 sec	225	5		300			50%	EOT * 300 Tape MKTS
7 450	Windstrip	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%	VP * 1021 Stacked 1st half
11 Skip	1023	1027-1122	6						70%	Skip VP * 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 6sec windstrip.
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 6sec windstrip.
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 EV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate / 42 sec Record Length			OBSERVER K. Patten / J. Wings	PARTY MGR. P. Dains	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCOP	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.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1-6 sec				303	OUT	IN		Recorder set AT 1125-1126
2	934/935 FINT	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 10 sec 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 10 sec 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 4163		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 1100's 1-Y 900	
TYPE GEOPHONE ETL EV22.8		FREQUENCY 7.5 Hz		STATION INTERVAL 330'	
REMARKS 4ms sample Rate / 42 sec Record Length		OBSERVER R. Patton / J. Wings.		PARTY MGR. J. 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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec				305	OUT	IN		Recorder set A#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	960/961 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 083	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 wind strip.
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 wind strip.
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 112233X.322211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100'S 1-4900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.31'
REMARKS 4 hrs. Sample Rate 1/42 sec Record			OBSERVER R. Patten 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 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			REMARKS
							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 MOR.	

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 Fint	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	SKIP 1149	1153-1248	30							70% Skip # 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 112233x332211	
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 MOR. 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 4-2-81
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			REMARKS
							LOCUT	80 ~	AMP	
1 933	Pulse	1 - 6 sec				311	OUT	IN		Recorder set AT 1226-1227
2 934/935	EINT	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 axes # 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 axes # 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 axes # 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 112233 x 332211			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y900	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 MOR. J. 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			REMARKS
							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.	FILTER			REMARKS
							LOCUT	80~	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 Sum 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 mtrs.
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 mtrs.
17	563 1209	1213-1308	23			316			70%	BOT # 316 # 900 10sec All ones # 562 6sec wind strip.
18	564	1215-1312	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. MD5-10
SWEEP FREQUENCY 3-40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1122.33 x 332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100⁵ 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 sec Sample Rate / 42 sec Record	OBSERVER R. Patterson		PARTY USE Davis		

**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.	FILTER			REMARKS
							LOCUT	80~	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.S. 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 / 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-Y11005 1-Y900	TYPE GEOPHONE ETA EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 3.30'
REMARKS 4 sec Sample Rate / 42 sec Record Length		OBSERVER R. Patten / 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 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.	F I L T E R			RE MARKS
							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 work.
3	936/939 DRD	4 - " "								Loggers working AT STA'S * 1266.
4	953/954 SWM TEST	2 - " "								
5	960/961 NRS TEST	2 - " "								Vib # 12666 Down Transmission Trouble.
6	932 Similarity	1 - 26 sec	225	4		318			508	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 * 590 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-γ 1100's 1-γ 900	TYPE GEOPHONE ETL EU 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms 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 4/8/80
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			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				320	OUT	IN		Recorder Set at 1334-1335
2	934 EINT	2- " "								Sta's 1343 + 1347 Dead due to Driveways.
3	936 D.R.D.	4- " "								
4	953 Sum Test	2- " "								Vib #12666 Down
5	960 N.R.T. 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% Tot # 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.D.T. #321 Tape MKTs.
20	606 1283	1287-1382	25			322				70% B.D.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. MD-5-10
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 14900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate 1/2 sec Record			OBSERVER R. Patton / G. Sings	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>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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec				322	OUT	IN		Recorder set at 1369-1370
2	934 ETNT	2-"								Stas 1343 + 1347 Dead due to drive ways.
3	935 D.R.D.	4-"								Vib #12666 Down.
4	936 Samtest	2-"								
5	960 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	618 1307	1311-1406	14						70%	Skip #1307. Skipped due to House.
14	618 1309	1313-1408	16			323			70%	E.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.
					MDS-10
SWEEP FREQUENCY 8 → 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-V1100's 1-V900	TYPE GEOPHONE ETLEVR22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42 sec. Record	OBSERVER R. Patton / J. Lingo	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 4/9/81			
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			REMARKS	
							LOCUT	60~	AMP		
1	1333	1337-1432	40	4		325	OUT	IN			
2	1335	1339-1434	42								
3										Sta's 1337-1347 will be Skipped due to Housing.	
4											
5											
6											
7										Finished For The Day.	
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.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1 933	Pulse	1-6 sec.				326	OUT	IN		B.D.T. #326 = 900 All ones.
2 934	FNIT	2- " "								Recorder set at 1420-1421
3 935	D.R.D.	4- " "								
4 936	Sum Test	2- " "								
5 937	N.R.T. Test	2- " "								
6 932	Similarity	1-2.6 sec.	225	4						50% Vib #12667 Down due to leak in front engine seal.
7 634	Wind Strip	1-6 sec.	23							50% Stacked due to House.
8 635	1367	1371-1466	23							50% Sta's #1368-1372 Skipped due to Housing.
9 636	1373	1377-1472	29							70% Sta's 1373 - Stacked last half.
10 637	1374	1378-1473	30							70%
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 couldnt vibrate on pavement.
15										
16										
17										
18										
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 / 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 ETLEK22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 338'
REMARKS 4 hrs. Sample Rate / 42 sec. Record			OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	