

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

**Exploration Services
Division**
Geosource Inc.

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Logan	DATE 1/14/81
CREW NO. 6834	TERRAIN Gravel Road & Rolling Hills	WEATHER Clear		LINE NO. Testing on line!

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	938 Pulse	1-6sec.					OUT	IN		
2	934 935 ETNT	2- " "								
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.								
7	1	80' N sta. 14 1sweep		4	6 1/2					
8	2	" " " " 4sweep								
9	3	" " " " 8sweep								
10	4	" " " " 16sweep								
11	5	11- 1sweep		14	6 1/2					
12	6	" " " " 4sweep								
13	7	" " " " 8sweep								
14	8	" " " " 16sweep								
15	9	80' N of stat 26- 1sweep								
16	10	75' N " " " 4sweep								
17	11	70' N " " " 8sweep								
18	12	" " " " 16sweep								
19	13	N of sta. 1- 1sweep		1- 38						
20	14	" " " " 1- 4sweep								
21	15	" " " " 1- 8sweep								
22	16	" " " " 1- 16sweep								
23	17	sta. 2- 4sweep		2- 38						
24	18	" " " " 8sweep								
25	19	" " " " 16sweep								

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 40 Hz	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR 4-VP100's 1-V900	TYPE GEOPHONE ETH-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4000s. Sample Rate		OBSERVER R. Patton / J. Wingo		PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT LOCORP	AREA ARK.	STATE ARK.	COUNTY Logan	DATE 1/14/81
CREW NO. 6834	TERRAIN	WEATHER		LINE NO.

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	20 W1 - 4swp.	1-38		5						
2	21 " - 8swp	" "								
3	22 " - 16swp	" "								
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
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16										
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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 Logan	DATE 1/14/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear		LINE NO. 1

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	104	5-100	39	5		170	OUT	IN	70%	Recorder set up at 38-39; wind strip: 001
2	106	7-102	41							# 79 dead due to intersection #80 dead due to church
3										
4										Finished For The Day
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. 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-Y1100's 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate / 1/2 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 Zogary+Scott	DATE 1/15/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 1	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	QDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				170	OUT	IN		Recorder setup at 80-81
2	934 935 EINT	2- " "								#79 Dead due to Drive war + #80 Dead due to Church.
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26 sec.	225	5		170			50%	EOT #170 Tape MKTs. *900 10sec All ones.
7	004 Wind Strip	1-6sec.	1			171				Bot *171.
8	005 108	9-104	1						70%	
9	006 110	11-106	3						70%	
10	007 112	13-108	5	4					70%	Vib *12667 Down. (Hydraulic Pump.)
11	008 114	15-110	7						70%	
12	009 116	17-112	9						70%	
13	010 118	19-114	11						70%	
14	011 120	21-116	13			171			70%	EOT #171 Tape MKTs
15	Skip 122	23-118	15						SKIP	#122 + 124 skip due to houses
16	Skip 124	25-120	17			172			SKIP	
17	013 125	26-121	18						70%	Bot of Tape #172 *900 10sec All ones *012 6sec, windstrip
18	014 127	28-123	20						70%	
19	Skip 129	30-125	22						SKIP	*129 skip due to houses.
20										
21										Vib #17311 Temp Down.
22										Broken wire on mass LVDT.
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-940Hz/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 / 2 sec Record Length	OBSERVER R. Patten	PARTY MGR. J. Wingo	LINE DIR. 1 TO 24 N → 5		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY Logan + Scott	DATE 1/16/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 1	

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				172	OUT	IN		Recorder set up at 98-99
2	934 935 EINT	2- " "								Station # 99 Dead due TO Drive way + #80 Dead due to Church yard.
3	936 939 D.R.D.	4- " "								
4	953 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.	225	5						50%
7	015 Wind Strip	1-6sec.	6							
8	016 131	32-127	6							50%
9	Skip 133	34-129	8							Skip due to bridge.
10	017 134	35-130	9			172				50% EOT # 172 Tape MKTS
11	019 136	37-132	11			173				50% BOT # 173 #900 10 sec All ones # 018 6sec wind strip
12	020 138	39-134	13							70%
13	021 140	41-136	15							70%
14	Skip 142	43-138	17							Skip 142 to 150 skip due to housing.
15	Skip 144	45-140	19							Skip
16	Skip 146	47-142	21							Skip
17	Skip 148	49-144	23							Skip
18	Skip 150	51-146	25							Skip
19	022 152	53-148	27							50%
20	023 154	55-150	29							70%
21	024 156	57-152	31							70%
22	025 158	59-154	33			173				70% EOT # 173 Tape MKTS
23	027 160	61-156	35			174				70% BOT # 174 #900 10 sec. All ones # 026 6sec. wind
24	028 162	63-158	37							70% strip
25	029 164	65-160	39							70%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40Hz / 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-V11006 1-V900	TYPE GEOPHONE FTLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. sample rate / 42 sec. Record length			OBSERVER R. Patton	PARTY MGR. J. Wingo	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK	COUNTY Logan + Scott	DATE 1/16/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear		LINE NO. 1

REC.NO.	SWEEP POINT	PATCH LOCATIONS	JCDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60~	AMP	
1	030 166	67-162	41			174	OUT	IN		
2	031 168	69-164	43							
3	032 170	71-166	45							
4	033 172	73-168	47			174			E.O.T #174 Tape MKTS.	
6									Finished For The Day.	
6										
7										
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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 Logan + Scott	DATE 1/19/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Overcast	LINE NO. 1	

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.				175	OUT	IN		B.O.T #175 #900 10sec all ones,
2 934 935	EINT	2- " "								Recorder set up at 143-144
3 936 939	D.R.D.	4- " "								Station #79 Dead due to Driveway & #80 Dead
4 953 954	SumTest	2- " "								due to Church Yard.
5 960 961	N.R.I. Test	2- " "								#183 dead due to Creek & Drive way #199 Dead due
6 932	Similarity	1-26sec	225	5					50%	TO Bridge.
7 034	Wind Strip	1-6sec.	4							
8 035	174	75-170	4	5					70%	*174-184 skip due to houses.
9 skip	176	77-172	6						skip	
10 skip	178	79-174	8						skip	
11 skip	180	81-176	10						skip	
12 skip	182	83-178	12						skip	
13 skip	184	85-180	14						skip	
14 036	185	86-181	15						70%	
15 037	186	87-182	16						70%	
16 038	188	89-184	18						70%	
17 039	190	91-186	20	4		175			70%	Eot *175 Tape MKTs. Vib *12666 Temp. Down.
18 041	192	93-188	22			176			70%	Bot *176 #900 10sec All ones *040 6sec wind strip.
19 042	194	95-190	24						70%	
20 043	196	97-192	26						70%	
21 044	198	99-194	28						70%	
22 045	200	101-196	30						70%	
23 046	202	103-198	32						70%	
24 047	204	105-200	34			176			70%	Eot *176 Tape MKTs
25 049	206	107-202	36			177			70%	Bot *177 #900 10sec All ones #048 6sec wind strip.

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 ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate/42 sec. Record Length			OBSERVER R. Patton J. Wings	PARTY MGR. J. Davis	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>SCOTT</i>	DATE <i>1-19-81</i>
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CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills (Dirt Road)</i>	WEATHER <i>Partly cloudy.</i>	LINE NO. <i>1</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			REMARKS
							LOCUT	60 ~	AMP	
1	050	208	109-204	38	5	199	out	IN	70%	Uib* 12666 Back on line.
2	051	210	111-206	40					70%	
3	052	212	113-208	42					70%	
4	053	214	115-210	44					70%	
5	skip	216	117-212	46		177			skip	*216 skip due to bridge.
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 Scott	DATE 1/23/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 1	

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.				177	OUT	IN		Recorder set up at
2	934 935 EINT	2- " "								Station #183 dead due to Creek + Driveway. #199
3	936 939 D.R.D.	4- " "								Dead due to Bridge. #216 Dead due to Bridge
4	953 954 Sum TEST	2- " "								
5	960 961 N. RT. TEST	2- " "								Vib #12666 Down Trouble with Charging System.
6	932 Similarity	1-26sec.	225	4		177			50%	EOT * 177 Tape mKts
7	054 Wind Strip	1-6sec.	1			178				BOT * 178 * 900 10 sec All ones.
8	055 218	119-214	1						70%	
9	056 220	121-216	3						70%	
10	057 222	123-218	5						70%	
11	058 224	125-220	7						70%	
12	059 226	127-222	9						70%	
13	060 228	129-224	11						70%	
14	061 230	131-226	13			178			70%	EOT * 178 Tape mKts.
15	063 232	133-228	15			179			70%	BOT * 179 * 900 10sec All ones * 062 6sec wind strip.
16	SKIP 234	135-230	17						SKIP	* 234 skip due to Bridge.
17	064 235	136-231	18						70%	
18	065 237	138-233	20						70%	
19	066 239	140-235	22						70%	
20	067 241	142-237	24						70%	
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40Hz / 126sec.	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-Y11003 1-Y900	TYPE GEOPHONE ETHLV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS Sample Rate 1/42 sec. Record Length	OBSERVER P. Patton	PARTY MGR. J. Davis			

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

**Exploration Services
Division**
Geosource Inc.

CLIENT COCORP	AREA ARK	STATE ARK	COUNTY scott	DATE 1/24/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear		LINE NO. 1

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				179	OUT	IN		Recorder set AT 215-216
2	934 935	FIINT								* 183 Dead due to creek + Drive way. * 199 Dead due to Bridge * 216 Dead due to Bridge.
3	936 939	D.R.D.								
4	953 954	Sum Test								
5	960 961	N.R.J. Test								
6	932	Similarity	225	5		179			50%	EOT # 179 Tape MKTs.
7	068	Wind Strip	1			180				Bot # 180 * 900 10 sec All ones
8	069	243	144-239	1	5				70%	
9	070	245	146-241	3					70%	
10	071	247	148-243	5					70%	
11	072	249	150-245	7					70%	
12	073	251	152-247	9					70%	
13	074	253	154-249	11					70%	Replaced Bad cable.
14	075	255	156-251	13		180			70%	EOT # 180 Tape MKTs
15	077	257	158-253	15		181			70%	Bot # 181 * 900 10 sec All ones * 076 6 sec wind Strip.
16	078	259	160-255	17					70%	
17	079	261	162-257	19					70%	
18	080	263	164-259	21					70%	
19	081	265	166-261	23					70%	
20	082	267	168-263	25					70%	
21	083	269	170-265	27		181			70%	EOT # 181 Tape MKTs
22	085	271	172-267	29		182			70%	Bot # 182 * 900 10 sec All ones * 084 6 sec wind Strip
23	086	273	174-269	31					70%	
24	087	275	176-271	33					70%	
25	088	277	178-273	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 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3730'
REMARKS 4ms Sample Rate 1/2 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 Arkansas	STATE Arkansas	COUNTY SCOTT	DATE 1-25-81
CREW NO. 6834	TERRAIN Dirt Road (Rolling Hills)	WEATHER Clear	LINE NO. 1	

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				182	OUT	IN		Recorder set at 251-252 * 183 Dead due to creek + Drive way * 199 + 216 Dead due to Bridges.
2	934 935	EINT								
3	936 939	D.R.D.								
4	953 954	Sum TEST								
5	960 961	N.R.J. Test								
6	932	Similarity	225	5		182			50%	EOT #182 TAPE MKTS
7	089	Wind Strip	1			183				Bot #183 * 900 10 sec All ones.
8	090	279	180-275	1	5				70%	
9	091	281	182-277	3					70%	
10	092	283	184-279	5	4				70%	Vib #12667 Down Broken Column Bolt.
11	093	285	186-281	7					70%	
12	094	287	188-283	9					70%	
13	095	289	190-285	11					70%	
14	096	291	192-287	13		183			70%	EOT # 183 TAPE MKTS
15	098	293	194-289	15		184			70%	Bot # 184 * 900 10 sec All ones * 099 6 sec wind strip
16		295	196-291	17						Vib #17311 Down Problem with HYD LIFT Clindex Broke. Shutting Down.
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 8-40Hz / 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 FTLEVR2B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec. Record Length	OBSERVER R. Patton / J. Using	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	DATE 1/26/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER clear		LINE NO. 1

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				184	OUT	IN		BOT #184 *900 10 sec All ones
2	935	FTNT								Recorder set AT
3	936	D.R.D.								*199 + 216 Dead due to Bridges.
4	939	Sum Test								
5	950	N.R.T. Test								
6	932	similarity	225	4					50%	Vib #12667 Down Broken Column Bolt.
7	097	Wind Strip	1							
8	098	293	194-289	1					70%	
9	099	295	196-291	3					70%	
10	100	297	198-293	5					70%	
11	101	299	200-295	7					70%	
12	102	301	202-297	9		184			70%	EOT #184 Tape MKTs
13	Skip	303	204-299	11					Skip	303-313 Skip due to Rough TERRAIN
14	Skip	305	206-301	13					Skip	
15	Skip	307	208-303	15					Skip	
16	Skip	309	210-305	17					Skip	
17	Skip	311	212-307	19					Skip	
18	Skip	313	214-309	21					Skip	
19	104	315	216-311	23		185			70%	B.O.T #185 *900 10 sec All ones #10.3 6 sec wind
20	105	316	217-312	24					70%	strip
21	106	317	218-313	25					70%	
22	107	318	219-314	26					70%	
23	108	319	220-315	27					70%	
24	109	320	221-316	28					70%	
25	110	321	222-317	29		185			70%	EOT #185 Tape MKTs.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 240 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-Y1100's 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS Sample Rate 142 sec. Record Length			OBSERVER R. Patton / Wingo	PARTY MGR.	LINE DIR. 1 TO 24 N. → S.

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP		AREA Arkansas			STATE Arkansas		COUNTY SCOTT		DATE 1-26-81		
CREW NO. 6838		TERRAIN Rolling Hills (Jeep Trail)			WEATHER Cloudy			LINE NO. 1			
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	112	322	223-318	30	4	186	OUT	IN	70%	Bot * 186 * 900 10 sec All ones * 111 6 sec wind strip	
2	113	323	224-319	31					70%		
3	114	324	225-320	32					70%		
4	115	325	226-321	33					70%		
5	116	326	227-322	34		186			70%	End of Line * 1 EOT * 186 Tape mkt's	
6										Temporarily Stopped on line #1 at Hwy #80	
7										Waiting on written Permit from Henry Gray	
8										State Highway	
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 Scott	DATE 2/6/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear	LINE NO. 1	

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.				205	OUT	IN		B.O.T. # 900 10sec All ones B.O.T. # 205
2	934 935 EINT	2- " "								Recorder set up at 278-279 had to set up short
3	936 939 D.R.D.	4- " "				?				#330 Dead due to Hwy 250. (due to TERRAIN)
4	953 954 Sum Test	2- " "								Relaxed out on line #1 continuing line #1
5	960 961 N.R.J. Test	2- " "				205				E.O.T. #205 TAPE MKTS - Bad Tape.
6	932 Similarity	1-26sec.	225	4		206			50%	Vib #16344 Down lost +5V in Power Supply
7	117 Wind Strip	1-6sec.								Bot # 206 # 900 10sec All ones.
8	118 336	237-332	31						70%	# 327-335 skip due to state road # 80.
9	SKIP 338	239-334	33						SKIP	# 338+340 skip due to houses.
10	SKIP 340	241-336	35						SKIP	
11	119 341	242-337	36						70%	
12	120 343	244-339	38						70%	
13	121 345	246-341	40						70%	
14	122 347	248-343	42						70%	
15	123 349	250-345	44			206			70%	EOT # 206 Tape MKTS
16	125 351	252-347	46			207			70%	Bot # 207 # 900 10sec All ones #124 6sec Wind Strip
17	126 353	254-349	48						70%	
18	127 355	256-351	41						70%	Moved Recorder to 287-288
19	128 357	258-353	43						70%	
20	129 359	260-355	45						70%	Finished For The Day.
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 4/163	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 ETLEVRZB	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS Ans. Sample Rate 1/2 sec. Record Length	OBSERVER R. Patton	PARTY MGR. J. Wingo			LINE DIR. 1 TO 24 N-25

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY scott	DATE 2/9/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear to Partly Cloudy	LINE NO. 1	

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				207	OUT	IN		Recorder set up at 333-334
2	934 935	ETNT								* 330 Dead due to Hwy 250.
3	936 939	D.R.D.								
4	953 954	Sum TEST								
5	960 961	N.R.J. Test								Uib * 14256 Down Alt. out.
6	932	Similarity	225	4		207			50%	EOT # 207 Tape MKTs
7	130	Wind Strip	1			208				Bot * 208 * 900 10sec All ones
8	131	361	262-357	1					70%	
9	132	363	264-359	3					70%	
10	133	365	266-361	5					70%	
11	134	367	268-363	7					70%	
12	135	369	270-365	9					70%	
13	136	371	272-367	11					70%	
14	137	373	274-369	13		208			70%	EOT # 208 Tape MKTs
15	139	375	276-371	15		209			70%	Bot * 209 * 900 10sec All ones * 138 6sec wind strip.
16	140	377	278-373	17					70%	
17	141	379	280-375	19					70%	
18	142	381	282-377	21					70%	
19	143	383	284-379	23					70%	
20	144	385	286-381	25					70%	
21	145	387	288-383	27		209			70%	EOT # 209 Tape MKTs Light MIST Beginning to Fall.
22	147	389	290-385	29		210			70%	Bot * 210 * 900 10sec All ones * 146, 6sec wind strip.
23	148	391	292-387	31					70%	Rain a little heavier picking up some leakage
24										Shutting Down 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-Y11005 1-Y900	TYPE GEOPHONE FILEVRZB	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate 142 sec. Record Length	OBSERVER R. Patton	PARTY MGR. L. Davis		LINE DIR. 1 TO 24 N → 3	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Scott	DATE 2/13/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER clear		LINE NO. 1

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.				210	OUT	IN		Recorder set AT 364-365
2 934	FNIT	2- " "								#330 dead due to Hwy #250
3 935	D.R.D.	4- " "								
4 936	Sum TEST	2- " "								
5 937	N.R.J. Test	2- " "								
6 932	Similarity	1-26sec.	225	5						50%
7 149	Windstrip	1-6sec.	2							
8 150	393	294-389	2	4						70% Vib # 12666 OUT For Testing
9 151	395	296-391	4			210				70% EOT # 210 Tape MKTs
10 153	397	298-393	6			211				70% BOT # 211 *900 10sec All ones * 152 6sec wind strip
11 154	399	300-395	8							70% Vib # 12666 Back on line vib # 12667 Down Air
12 155	401	302-397	10							70% Leak.
13 156	403	304-399	12							70%
14 157	405	306-401	14							70%
15 158	407	308-403	16							70% #407 Appeared to have 2nd set of 1st Breaks Backing
16 159	407	308-403	16			211				70% vibs up + Re Shaking. EOT # 211 Tape MKTs
17 161	409	310-405	18			212				70% BOT # 212 *900 10sec All ones * 160 6sec wind strip.
18										Finished For The Day Checking For some
19										leaky cables =
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-740Hz / 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 4-11100's 1-1900	TYPE GEOPHONE ETLEVRZB	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4hrs. Sample Rate 1/42 sec Record Length			OBSERVER R. Patton	PARTY MGR. J. Paris	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK	STATE ARK.	COUNTY Scott	DATE 2/14/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear	LINE NO. 1	

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.				212	OUT	IN		Recorder set AT 379-380
2	934 935 EINT	2- " "								#330 Dead due to Hwy 250
3	936 939 D.R.D.	4- " "								From 340-337 houses, picking up some noise
4	953 954 Sum Test	2- " "								
5	960 961 N.R.T. Test	2- " "								
6	932 Similarity	1-26sec.	225	5						50%
7	162 Wind Strip	1-6sec.	5							
8	163 411	312-407	5	4						70% Vib* 16344 OUT
9	164 413	314-409	7							70%
10	165 415	316-411	9							70%
11	166 417	318-413	11	4		212				70% Vib* 16344 Back IN. Vib* 12666 OUT EOT* 212 Tape Mkts
12	168 419	320-415	13			213				70% BOT* 213 *900 10sec All ones *167 6sec wind strip
13	169 421	322-417	15							70% Vib* 12666 Back IN. Vib* 14256 OUT Starting up*
14	170 423	324-419	17							70% 419.
15	171 425	326-421	19							70%
16	172 427	328-423	21							70%
17	173 429	330-425	23							70%
18	174 431	332-427	25			213				70% EOT* 213 Tape Mkts
19	176 433	334-429	27			214				70% BOT* 214 *900 10sec All ones *175 6sec wind strip
20	177 435	336-431	29							70%
21	178 437	338-433	31							70% Finished For the Day.
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
					MDS-10
SWEEP FREQUENCY 8-40Hz/26sec	SWEEP PATTERN 4/63	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 1-1900	TYPE GEOPHONE ETLEVR22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4hrs. Sample Rate 1/42 sec. Record Length		OBSERVER R. Patton / J. Wang	PARTY MGR. J. Paris		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Scott	DATE 2/15/81
CREW NO. 6834	TERRAIN Mountainous	WEATHER Clear	LINE NO. 1	

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.				214	OUT	IN		Recorder set AT 403-404
2	934 935 FINT	2- " "								
3	936 939 D.R.D.	4- " "								
4	954 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec.	225	4					50%	Vib # 12667 OUT. (all day)
7	179 Wind Strip	1-6sec.	9							
8	180 439	340-435	9	4		214			70%	E.O.T # 214 Tape MKTs
9	182 441	342-437	11			215			70%	Bot # 215 #900 10sec All ones # 181 6sec. wind strip
10	183 443	344-439	13						70%	
11	184 445	346-441	15						70%	
12	185 447	348-443	17						70%	
13	186 449	350-445	19						70%	
14	187 451	352-447	21						70%	
15	188 453	354-449	23			215			70%	E.O.T # 215 Tape MKTs.
16	190 455	356-451	25			216			70%	B.O.T. # 216 #900 10sec. All ones # 189 6sec. Wind Strip
17	191 457	358-453	27						70%	
18	192 459	360-455	29						70%	
19	193 461	362-457	31			216			70%	Finished line #1. Finished for day. Picking Rest of line and moving it to Line #3. E.O.T. # 216 Tape MKTs.
20										
21										
22										
23										
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-Y1100S 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate / 42sec Record Length	OBSERVER R. Patton	PARTY MGR. J. Wingo			LINE DIR. 1 TO 24 N → S