

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard	DATE 4/12/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy + Windy.		LINE NO. 5

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.				328	OUT	IN		Recorder set at 72-73 B.O.T. #328
2	934 935 FINT	2-								#900 10 sec. All ones. START OF Line # 5.
3	936 939 D.R.D.	4-								Sta. #121 open due to intersection.
4	953 954 Sum TEST	2-								
5	960 961 N.R.S. Test	2-								Vib # 16344 Down. Working on Front Engine.
6	932 Similarity	1-26 sec.	225	4					50%	
7	001 Wind Strip	1-6 sec.	1							
8	002 100	1-96	1						70%	
9	003 102	3-98	3						70%	
10	004 104	5-100	5						70%	
11	005 106	7-102	7						70%	
12	006 108	9-104	9			328			70%	FOT # 328 Tape MKTs.
13	008 110	11-106	11			329			70%	Bot # 329 # 900 10 sec All ones # 007 6 sec wind strip.
14	009 112	13-108	13						70%	
15	010 114	15-110	15						70%	
16	011 116	17-112	17						70%	
17	012 118	19-114	19						70%	
18	013 120	21-116	21						70%	
19	014 122	23-118	23			329			70%	E.O.T. #329 Tape MKTs.
20	016 124	25-120	25			330			70%	B.O.T. #330 # 900 10 sec. All ones. # 015 6 sec.
21	017 126	27-122	27						70%	Wind Strip.
22	018 128	29-124	29						70%	
23	019 130	31-126	31						70%	
24	020 132	33-128	33						70%	
25	021 134	35-130	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 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 1-V960	TYPE GEOPHONE FTLEVBZB	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate 142 sec. Record			OBSERVER R. Patton	PARTY MGR. J. Wingo	LINE DIR. 1 TO 24 E → W.

**OBSERVER'S REPORT
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**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>ARK</i>	STATE <i>ARK.</i>	COUNTY <i>Howard</i>	DATE <i>4/12/81</i>
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CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills</i>	WEATHER <i>Partly Cloudy</i>	LINE NO. <i>5</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	136	37-132	37	4		330	OUT	IN	70%	F.O.T. #330 Tape MKT3.
2	138	39-134	39							B.O.T. #331 #900 10sec. All ones. #0236 sec.
3										Wind Strip
4										
5										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 Howard	DATE 4/13/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy		LINE NO. 5

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.				331	OUT	IN		Recorder set at 112-113
2	934 935 EINT	2- " "								Sta. #121 Open due to intersection.
3	936 939 D.R.D.	4- " "								
4	938 954 Sum Test	2- " "								
5	960 961 N.R.J. Test	2- " "								
6	932 Similarity	1-26sec	225	4						50% vib #16344 Rebuilding Front engin.
7	025 Wind Strip	1-6sec.	1							
8	026 140	41-136	1	4						70%
9	027 142	43-138	3							70%
10	028 144	45-140	5							70%
11	029 146	47-142	7			331				70% E.O.T. #331 Tape MKTS.
12	031 148	49-144	9			332				70% B.O.T. #332 #900 10sec. All ones. #030 6sec. Wind Strip.
13	032 150	51-146	11							70%
14	033 152	53-148	13							70%
15	034 154	55-150	15							70%
16	035 156	57-152	17							70%
17	036 158	59-154	19							70%
18	037 160	61-156	21			332				70% E.O.T. #332 Tape MKTS.
19	039 162	63-158	23			333				70% B.O.T. #333 #900 10sec. All ones #038 6sec. Wind Strip.
20	040 164	65-160	25							70%
21	041 166	67-162	27							70%
22	042 168	69-164	29							70%
23	043 170	71-166	31							70%
24	044 172	73-168	33							70%
25	045 174	75-170	35							70% E.O.T. #333 Tape MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY B → 40 Hz / 26 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X 332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100 1-V900	TYPE GEOPHONE ETLEVR22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate 1/42 sec. Record			OBSERVER R. Patton J. Wingo	PARTY MGR. J. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>ARK.</i>	STATE <i>ARK.</i>	COUNTY <i>Howard</i>	DATE <i>4/13/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills</i>	WEATHER <i>Partly Cloudy</i>		LINE NO. <i>5</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	047	176	77-172	37	4	334	OUT	IN	70%	B.O.T #334 #900/10sec. All ones. *046 to sec.
2	048	178	79-174	19					70%	Wind Strip. Move Record to 132-133.
3	049	180	81-176	21					70%	
4	050	182	83-178	23					70%	
5										<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 Howard	DATE 4/14/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy		LINE NO. 5

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.				334	OUT	IN		Recorder Set at 156-157
2	934 935 ETNT	2- " "								Sta # 121 open due to intersection
3	936 939 D.R.D.	4- " "								
4	953 954 Sum test	2- " "								
5	960 961 N.R.T. Test	2- " "								
6	932 Similarity	1-26sec.	225	4		334				50% Vib # 16344 Down. EOT # 334 Tape MKTS
7	051 Wind Strip	1-6sec.	1			335				Bot # 335 * 900 10 sec All ones.
8	052 184	85-180	1	4						70% Wind picking up.
9	053 186	87-182	3							70% AT STA's 177 someone hooked to our cable + pulled
10	054 188	89-184	5							70% Line, pulled heads OFF OF 4 TO 5 cables, had to
11	055 190	91-186	7							70% go TO FRONT OF line + pick up cables to replace those
12	056 192	93-188	9							70% with heads pulled off. Wind now Blowing
13										20 TO 25 MPH + Gusting TO noise TO continue
14										
15										
16										
17										
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TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD-5-10
SWEEP FREQUENCY 8-40 Hz / 26sec	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-Y11005 1-Y900	TYPE GEOPHONE ETLEVR2B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms. Sample Rate 1/42 sec. Record			OBSERVER R. Patten	PARTY MGR. J. Wingo	

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard	DATE 4/15-81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy, wet + windy		LINE NO. 5

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.				335	OUT	IN		Recorder set at 166-167
2	934 935 FENT	2- " "								STA# 121 Dead due TO INTERSECTION
3	936 939 D.R.D.	4- " "								
4	95 954 Sam Test	2- " "								
5	960 961 N.R.J. TEST	2- " "								
6	932 Similarity	1-26sec.	225	5		335			50%	F.O.T. # 335 Tape MKTS
7	057 Wind Strip	1-6sec.	1			336				Bot # 336 # 900 10 sec All ones.
8	058 194	95-190	1	5					70%	
9	059 196	97-192	3						70%	
10	060 198	99-194	5						70%	
11	061 200	101-196	7						70%	
12	062 202	103-198	9						70%	
13	063 204	105-200	11						70%	
14	064 206	107-202	13			336			70%	E.O.T. # 336 Tape MKTS
15	066 208	109-204	15			337			70%	B.O.T. # 337 # 900 10 sec All ones # 065 6 sec.
16	067 210	111-206	17	4					70%	Wind Strip. Vib # 16344 Down temp.
17	068 212	113-208	19						70%	
18	069 214	115-210	21	5					70%	Vib # 16344 Back on line.
19	070 216	117-212	23						70%	Shut down for 1 hour due Thunder Clouds were
20	071 218	119-214	25						70%	causing Flicks on line.
21	072 220	121-216	27			337			70%	F.O.T. # 337 Tape MKTS.
22	073 222	123-218	29			338			70%	B.O.T. # 338 # 900 10 sec. All ones # 073 6 sec.
23										Wind Strip.
24										Finished For The Day.
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 4/63	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 ETLEVR213	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec. Record	OBSERVER R. Patten / J. Wings	PARTY MGR. L. Davis	LINE DIR. E → W		

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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Geosource Inc.**

CLIENT COCORP	AREA ARK.	STATE ARK.	COUNTY Howard
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy	DATE 4/16/81
LINE NO. 5			

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	Pulse	1-6sec.				338	OUT	IN		Recorder set at 195-196
2	EINT	2- " "								
3	D.R.D.	4- " "								
4	Sum test	2- " "								
5	N.R.J. test	2- " "								
6	Similarity	1-26sec	225	5						50%
7	Wind Strip	1-6sec.	2							
8	224	125-220	2	5						70%
9	226	127-222	4							70%
10	228	129-224	6							70%
11	230	131-226	8			338				70% EOT # 338 Tape MKTs.
12	232	133-228	10			339				70% BOT # 339 # 900 10 sec All ones # 079 6 sec wind strip.
13	234	135-230	12							70%
14	236	137-232	14							70%
15	238	139-234	16							70%
16	240	141-236	18							70%
17	242	143-238	20							70%
18	244	145-240	22			339				70% E.D.T. # 339 Tape MKTs.
19	246	147-242	9			340				70% B.D.T. # 340 # 900 10 sec All ones # 087 6 sec Wind Strip. Moved Recorder to 210-211. Vib's
20	248	149-244	11							70% having problems Picking up tones.
21										
22										Vib # 14256 dropped out, having problem shaking
23										right.
24										
25										Picking up line to move to Kansas

E.O.L. #5

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's 1-V900	TYPE GEOPHONE ETLEV2RB	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 hrs. Sample Rate / 42 sec. Record	OBSERVER R. Patton	PARTY MGR. J. Wingo			