

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>ARK.</b>	STATE <b>ARK.</b>	COUNTY <b>Scott</b>	DATE <b>1/20/81</b>
CREW NO. <b>6834</b>	TERRAIN <b>MOUNTAIN</b>	WEATHER <b>Clear</b>		LINE NO. <b>2</b>

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				187	OUT	IN		B.O.T. #900 All ones START OF Line # 2
2	<del>934</del> EINT	2- " "								
3	<del>936</del> D.R.D.	4- " "								
4	<del>953</del> Sum Test	2- " "								
5	<del>960</del> N.R.T. Test	2- " "								
6	932 Similarity	1-26 sec.	225	4					50%	Vib # 12666 Down having Back Engine Repaired.
7	001 Wind Strip	1-6 sec.	22							
8	002 100	1-96	22	4					70%	
9	003 102	3-98	24						70%	
10	004 104	5-100	26						70%	
11	005 106	7-102	28						70%	
12	006 108	9-104	30			187			70%	EOT #187 Tape MKTs.
13	008 110	11-106	32			188			70%	Bot #188 *900 10 sec All ones *007 6 sec wind strip.
14	009 112	13-108	34						70%	
15	010 114	15-110	36						70%	
16	011 116	17-112	38						70%	
17	012 118	19-114	40						70%	
18	013 120	21-116	42						70%	
19	014 122	23-118	44			188			70%	EOT #188 Tape MKTs
20	016 124	25-120	46			189			70%	Bot #189 *900 10 sec All ones. *015 6 sec wind strip.
21	017 126	27-122	48						70%	
22	018 128	29-124	5						70%	Moved Recorder To 96-97. Long go Round.
23	019 130	31-126	7						70%	
24	020 132	33-128	9						70%	
25	021 134	35-130	11			189			70%	Finished For The Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MD-510</b>
SWEEP FREQUENCY <b>8-40Hz / 26 sec.</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>112233X332211</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y11003 1-Y900</b>	TYPE GEOPHONE <b>ETLEV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4 hrs Sample Rate 1/42 sec. Record Length</b>			OBSERVER <b>R. Patten</b>	PARTY MGR. <b>L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>		AREA <b>ARK.</b>		STATE <b>ARK.</b>		COUNTY <b>Scott</b>		DATE <b>1/29/81</b>		
CREW NO. <b>6834</b>		TERRAIN <b>Mountains</b>		WEATHER <b>Partly Cloudy</b>				LINE NO. <b>2</b>		
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.				190	OUT	IN		Bot * 190 * 900 10 sec All ones
2	934 935 EINT	2- " "								Recorder set AT 108-109.
3	936 939 D.R.D.	4- " "								Over Night had 2 Cables stolen + 1 cut up.
4	95 954 Sum Test	2- " "								
5	960 961 N.R.T. Test	2- " "								
6	932 Similarity	1-26sec.	225	4					50%	Vib * 12666 Down ReBuilding BACK Engine
7	022 Wind Strip	1-6sec.	1							
8	023 136	37-132	1	4					70%	
9	024 138	39-134	3						70%	
10	025 140	41-136	5						70%	
11	026 142	43-138	7						70%	
12	027 144	45-140	9			190			70%	EOT * 190 Tape MKTs.
13	029 146	47-142	11			191			70%	Bot * 191 * 900 10 sec All ones * 028 6 sec wind strip.
14	030 148	49-144	13						70%	
15	031 150	51-146	15						70%	
16	032 152	53-148	17						70%	
17	033 154	55-150	19						70%	
18	034 156	57-152	21						70%	
19	035 158	59-154	23			191			70%	EOT * 191 Tape MKTs
20	037 160	61-156	25			192			70%	Bot * 192 * 900 10 sec All ones * 036 6 sec wind strip.
21	038 162	63-158	27						70%	
22	039 164	65-160	29						70%	
23	040 166	67-162	31						70%	
24	041 168	69-164	33						70%	
25	042 170	71-166	35						70%	
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz. / 26sec.		SWEEP PATTERN 4/16.3		SWEEPS PER PATTERN 16		SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 112233X332211		MD5-10
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y11003 1-Y900		TYPE GEOPHONE ETLEVZ2B		FREQUENCY 7.5Hz.		STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec Record		OBSERVER R. Patten / John Wings		PARTY MGR. J. Davis		LINE DIR. 1 TO 24 F → W				

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

**Exploration Services  
Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>ARK.</b>	STATE <b>ARK.</b>	COUNTY <b>Scott</b>	DATE <b>1-29-81</b>
CREW NO. <b>6834</b>	TERRAIN <b>Mountains</b>	WEATHER <b>Clear</b>		LINE NO. <b>2</b>

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	043	73 - 168	37	4		192	out	IN	70%	EOT * 192 Tape MKTS
2	045	75 - 170	39			193			70%	BOT * 193 * 900 10 sec All ones * 044 6 sec wind snap
3	046	77 - 172	41						70%	
4	047	79 - 174	43						70%	
5	048	81 - 176	45						70%	
6	049	83 - 178	47						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		LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.		

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>			AREA <b>ARK.</b>			STATE <b>ARK.</b>			COUNTY <b>Scott</b>			DATE <b>1/31/81</b>		
CREW NO. <b>6834</b>			TERRAIN <b>Mountains</b>			WEATHER <b>Overcast</b>			LINE NO. <b>2</b>					
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS				
							LOCUT	60~	AMP					
1	933	Pulse				193	OUT	IN		Recorder set AT 151-152				
2	<del>934</del> 935	FTNT												
3	<del>936</del> 939	D.R.D.												
4	<del>953</del> 954	Sum Test												
5	<del>960</del> 961	N.R.J. Test												
6	932	Similarity	225	5		193			50%	EOT #193 Tape MKTs				
7	050	Wind Strip	6			194				Bot #194 #900 10 sec All ones				
8	051	184	85-180	6	4				70%	Vib #12666 Temp Down.				
9	052	186	87-182	8					70%					
10	053	188	89-184	10					70%					
11	054	190	91-186	12					70%					
12	055	192	93-188	14					70%					
13	056	194	95-190	16					70%					
14	057	196	97-192	18		194			70%	E.O.T. #194 Tape MKTs.				
15	059	198	99-194	20		195			70%	B.O.T. #195 #900 10sec. All ones. #058 wind strip				
16	060	200	101-196	22	5				70%	6 sec. Vib #12666 back on line.				
17	061	202	103-198	24					70%					
18	062	204	105-200	26					70%					
19	063	206	107-202	28					70%					
20	064	208	109-204	30					70%					
21	065	210	111-206	32		195			70%	E.O.T. #195 Tape MKTs.				
22	067	212	113-208	34		196			70%	B.O.T. #196 #900 10sec. All ones. #066 wind strip				
23	068	214	115-210	36					70%	6 sec.				
24	069	216	117-212	38	4				70%					
25	070	218	119-214	40					70%	Vib #17311 Back engine died. Finished for the Day				
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME			DRIVING TIME		SYSTEM NO.		
												MDS-10		
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN					
8 → 40Hz / 26 sec.		4/63		16			1		112233X332211					
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL		LINE DIR. I TO 24		
24		96		4-Y1005 1-Y900		ETLEV22B		7.5Hz		330'		E → W		
REMARKS						OBSERVER			PARTY MGR.					
4ms. Sample Rate / 42 sec. Record						P. Patton / J. Wings			L. Davis					

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>ARK.</b>	STATE <b>ARK.</b>	COUNTY <b>scott</b>	DATE <b>2/3/81</b>
CREW NO. <b>6834</b>	TERRAIN <b>Mountains</b>	WEATHER <b>Clear</b>	LINE NO. <b>2</b>	

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.				196	OUT	IN		Recorder set up at 192-193
2	<del>934</del> 935 EINT	2- " "								
3	<del>936</del> 239 D.R.D.	4- " "								
4	<del>953</del> 254 SumTest	2- " "								
5	<del>960</del> 261 W.R.J. TEST	2- " "								Vib #12666 Down Charging system trouble. Rewiring IT.
6	932 Similarity	1-26 sec.	225	4		196			50%	EOT #196 Tape MKTs
7	071 Wind Strip	1-6 sec	1			197				Bot #197 #900 10sec All ones.
8	072 220	121-216	1	4					70%	
9	073 222	123-218	3						70%	
10	074 224	125-220	5						70%	
11	075 226	127-222	7						70%	
12	076 228	129-224	9						70%	
13	077 230	131-226	11						70%	
14	078 232	133-228	13			197			70%	EOT #197 Tape MKTs
15	080 234	135-230	15			198			70%	Bot #198 #900 10sec All ones #079 6sec wind strip
16	081 236	137-232	17						70%	
17	082 238	139-234	19						70%	
18	083 240	141-236	21						70%	
19	084 242	143-238	23						70%	
20	085 244	145-240	25						70%	
21	086 246	147-242	27			198			70%	E.O.T. #198-Tape MKTs.
22	088 248	149-244	29			199			70%	B.O.T. #199 #900 10sec All ones. #087 6sec Wind Strip
23	089 250	151-246	31						70%	
24	090 252	153-248	33						70%	
25	091 254	155-250	35						70%	Finished For the Day

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8 → 40 Hz / 26 sec.</b>	SWEEP PATTERN <b>4/163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>112233X332211</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-V11005 1-V900</b>	TYPE GEOPHONE <b>ETLEVR22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample 42 sec. Record</b>			OBSERVER <b>R. Patton J. Wingo</b>	PARTY MGR. <b>L. Davis</b>	

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**Exploration Services  
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Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>ARK.</b>	STATE <b>ARK.</b>	COUNTY <b>Scott</b>	DATE <b>2/4/81</b>
CREW NO. <b>6834</b>	TERRAIN <b>Mountains</b>	WEATHER <b>Clear</b>	LINE NO. <b>2</b>	

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	<del>933 Pulse</del>	1-6sec.				199	OUT	IN		Recorder set at 228-229
2	<del>934 ETNT</del>	2- " "								
3	<del>936 D.R.D.</del>	4- " "								
4	<del>953 Sum Test</del>	2- " "								
5	<del>960 N.R.J. Test</del>	2- " "								
6	932 Similarity	1-26sec.	225	4		199			50%	EOT # 199 Tape MKTS.
7	092 Wind Strip	1-6sec.	1			200				Bot # 200 #900 10sec All ones.
8	093 256	157-252	1	5					70%	Vib # 12666 Back on line.
9	094 258	159-254	3						70%	
10	095 260	161-256	5						70%	
11	096 262	163-258	7						70%	
12	097 264	165-260	9						70%	
13	098 266	167-262	11						70%	
14	099 268	169-264	13			200			70%	EOT # 200 Tape MKTS
15	101 270	171-266	15			201			70%	Bot # 201 #900 10sec All ones #100 6sec wind strip.
16	102 272	173-268	17						70%	
17	103 274	175-270	19						70%	
18	104 276	177-272	21						70%	
19	105 278	179-274	23						70%	
20	106 280	181-276	25						70%	
21	107 282	183-278	27			201			70%	E.O.T. # 201 Tape MKTS.
22	109 284	185-280	29			202			70%	B.O.T. # 202 #900 10sec All ones #108 6sec. Wind Strip
23	110 286	187-282	31						70%	
24	111 288	189-284	33						70%	
25	112 290	191-286	35						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MD5-10</b>
SWEEP FREQUENCY <b>8 → 40Hz / 26sec.</b>	SWEEP PATTERN <b>4/63</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>112233x332211</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y11006 1-Y900</b>	TYPE GEOPHONE <b>ETLEVR2B</b>	FREQUENCY <b>7.5Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4 hrs. Sample Rate / 42 sec. Record Length</b>		OBSERVER <b>R. Patton</b>		PARTY MGR. <b>L. Davis</b>	

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**Exploration Services  
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Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>ARK.</i>	STATE <i>ARK.</i>	COUNTY <i>Scott</i>	DATE <i>2/4/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Mountains</i>	WEATHER <i>Clear</i>		LINE NO. <i>2</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	
1	<i>292</i>	<i>193-288</i>	<i>37</i>			<i>202</i>	<i>OUT</i>	<i>IN</i>	<i>70%</i>	
2	<i>294</i>	<i>195-290</i>	<i>39</i>							
3	<i>296</i>	<i>197-292</i>	<i>41</i>			<i>202</i>				<i>Finished For The Day. E.O.T. #202 Tape MKTs.</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 scott DATE 2/5/81

CREW NO. 6834 TERRAIN Mountains WEATHER Partly Cloudy LINE NO. 2

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1-6sec.			203	OUT	IN		B.O.T #900 10sec. All ones. Bot #203.
2	<del>934</del> 935	EINT	2- " "							Recorder set AT 265-266
3	<del>936</del> 939	D.R.D.	4- " "							
4	<del>953</del> 854	Sum Test	2- " "							
5	<del>960</del> 961	N.R.J. Test	2- " "							
6	932	similarity	1-26sec.	225	5				50%	
7	116	Wind Strip	26sec.	6					-	
8	117	298	199-294	6	5				70%	
9	118	300	201-296	8					70%	
10	119	302	203-298	10					70%	
11	120	304	205-300	12					70%	
12	121	306	207-302	14		203			70%	EOT #203 Tape MkTs
13	123	308	209-304	16		204			70%	Bot #204 *900 10sec All ones #122 6sec wind strip
14	124	310	211-306	18					70%	EOT #204 tape MkTs End of line #2
15										Picking up Rest of line + moving Equip-
16										ment to line #1.
17										
18										EOL #2
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS \_\_\_\_\_ TOTAL SWEEPS \_\_\_\_\_ TOTAL COVERAGE \_\_\_\_\_ TOTAL FIELD TIME \_\_\_\_\_ DRIVING TIME \_\_\_\_\_ SYSTEM NO. MD5-10

SWEEP FREQUENCY 9 → 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-Y1100's / 1-Y900 TYPE GEOPHONE ETLEV22B FREQUENCY 7.5 Hz. STATION INTERVAL 330' LINE DIR. E → W

REMARKS 4ms Sample Rate / 42 sec Record Length OBSERVER R. Patton / J. Wings PARTY MGR. J. Davis