

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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| 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 | QDP SW. | NO VIB | AMP GAIN | TAPE RL. NO. | F I L T E R | | | REMARKS |
|----------|-------------|-----------------|---------|--------|----------|--------------|-------------|------|-----|---|
| | | | | | | | LOCUT | 80 ~ | 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 |
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| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MDS-10 |
| SWEEP FREQUENCY 8-740Hz / 12.6 sec | SWEEP PATTERN 4/16.3 | SWEEPS PER PATTERN 16 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 112233X3R2211 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-Y1100's 1-Y900 | TYPE GEOPHONE ETLEV22B | FREQUENCY 7.5Hz | STATION INTERVAL 3.30' |
| REMARKS 4 hrs. Sample Rate 1/42 sec Record Length | | | OBSERVER R. Patton / J. L. Sings | LINE DIR. 1 TO 24 N → S | |
| | | | PARTY MOR. J. Davis | | |

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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Geosource Inc.**

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|-------------------------|---------------------------------|-------------------------|------------------------------|------------------------|
| CLIENT COCORP | AREA ARK | STATE ARK | COUNTY Zagay+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. | FILTER | | | REMARKS |
|----------|--------------------------------|-----------------|---------|--------|----------|-------------|--------|-----|------|---|
| | | | | | | | LOCUT | 60~ | AMP | |
| 1 | 933 Pulse | 1-6sec | | | | 170 | OUT | IN | | Recorder setup at 80-81 |
| 2 | 934 935 ETNT | 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 | 1-26sec | 225 | 5 | | 170 | | | 50% | EOT *170 Tape MKTs. *900 10 sec 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 10 sec All ones *012 6sec, wind strip |
| 18 | 014 127 | 28-123 | 20 | | | | | | 70% | |
| 19 | SKIP 129 | 30-125 | 22 | | | | | | SKIP | *129 skip due to houses. |
| 20 | | | | | | | | | | Vib *17311 Temp Down. |
| 21 | | | | | | | | | | Broken wire on mass LVDT. |
| 22 | | | | | | | | | | |
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| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MDS-10 |
| SWEEP FREQUENCY 8740Hz/26sec | SWEEP PATTERN 4/163 | SWEEPS PER PATTERN 116 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 112233X332211 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-Y11004 1-Y900 | TYPE GEOPHONE ETLEV22B | FREQUENCY 7.5Hz | STATION INTERVAL 330' |
| REMARKS 4ms Sample Rate/42 sec Record Length | | | OBSERVER R. Patten | PARTY MGR. J. G. King | LINE DIR. 1 TO 24 N-5 |

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|-------------------------|---------------------------------|-------------------------|--------------------------------|------------------------|
| 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 | | | RE MARKS |
|----------|----------------------------|-----------------|---------|--------|----------|--------------|-------------|------|-----|--|
| | | | | | | | LOCUT | SO ~ | AMP | |
| 1 | 933 Pulse | 1-6 sec | | | | 172 | OUT | TW | | Recorder set up at 98-99 |
| 2 | 934 ETNT | 2- " " | | | | | | | | Station # 79 Dead due to Drive way + # 80 Dead due to Church yard. |
| 3 | 936 D.R.D | 4- " " | | | | | | | | |
| 4 | 953 Sum Test | 2- " " | | | | | | | | |
| 5 | 960 N.P.T. Test | 2- " " | | | | | | | | |
| 6 | 932 Similarity | 1-2 laser | 225 | 5 | | | | | | 50% |
| 7 | 015 Wind Strip | 1-6 sec | 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% For # 172 Tape MKTS |
| 11 | 019 136 | 37-132 | 11 | | | 173 | | | | 50% BOT # 173 *900 10 sec All ones * 018 6 sec 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 6 sec. wind strip |
| 24 | 028 162 | 63-158 | 37 | | | | | | | 70% |
| 25 | 029 164 | 65-160 | 39 | | | | | | | 70% |

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| 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-Y11008 1-Y900 | TYPE GEOPHONE ETLEV22B | FREQUENCY 7.5 Hz. | STATION INTERVAL 330' |
| REMARKS 4ms. sample rate / 42 sec. Record length | OBSERVER R. Patton / J. Wingo | PARTY NO. L. Davis | LINE DIR. 1 TO 24 N. → S. | | |

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|-------------------------|--------------------|----------------------|------------------------|------------------------|
| CLIENT COCORP | 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 | 80 ~ | AMP | |
| 1 | 41-4sweep | 1-38 | | 5 | | | | | | |
| 2 | "-8sweep | " " | | | | | | | | |
| 3 | "-116sweep | " " | | | | | | | | |
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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. | |

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|-------------------------|---------------------------------|-------------------------|--------------------------------|------------------------|
| 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 | 80 ~ | 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 | | | | | | | E.O.T - 174 Tape MKTS. 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 MOR. | | |

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DIGITAL VIBROSEIS RECORDER

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|-------------------------|---------------------------------|----------------------------|--------------------------------|------------------------|
| 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 | GDP SW. | NO VIB | AMP GAIN | TAPE RL.NO. | F I L T E R | | | REMARKS |
|---------|----------------------------|-----------------|---------|--------|----------|-------------|-------------|------|------|--|
| | | | | | | | LOCUT | BO ~ | AMP | |
| 1 | 933 Pulse | 1-6 sec. | | | | 175 | OUT | IN | | B.O.T *175 *900 10 sec all ones. |
| 2 | 934 ETNT | 2-... " | | | | | | | | Recorder set up at 143-144 |
| 3 | 935 D.R.D. | 4-... " | | | | | | | | Station #79 Dead due to Driveway #80 Dead |
| 4 | 936 SumTest | 2-... " | | | | | | | | due to C. Church Yard. |
| 5 | 937 N.R.I. Test | 2-... " | | | | | | | | *183 dead due to Creek + Drive way *199 Dead due |
| 6 | 932 Similarity | 1-26 sec | 225 | 5 | | | | | 50% | TO Bridges |
| 7 | 034 Wind Strip | 1-6 sec. | 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% | End *175 Tape MKTs. Vib *12666 Temp. Down. |
| 18 | 041 192 | 93-188 | 22 | | | 176 | | | 70% | Bot *176 *900 10 sec All ones *040 6 sec 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% | End *176 Tape MKTs |
| 25 | 049 206 | 107-202 | 36 | | | 177 | | | 70% | Bot *177 *900 10 sec All ones *048 6 sec wind strip. |

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| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MD5-10 |
| SWEEP FREQUENCY 8-40Hz / 26 sec. | SWEEP PATTERN 4163 | SWEEPS PER PATTERN 16 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 112233X332211 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-V11005 1-V900 | TYPE GEOPHONE ETLEK228 | FREQUENCY 7.5 Hz | STATION INTERVAL 3.30' |
| REMARKS 4 hrs. Sample Rate / 42 sec. Record Length | OBSERVER R. Patton / Wings | | PARTY NO. 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>SCOTT</i> | | DATE <i>1-19-81</i> | | |
|-------------------------|-------------|---|----------------|----------------------------------|----------|--------------------------|------------|------------------------|-------------|----------------------------------|
| CREW NO. <i>6834</i> | | TERRAIN <i>Rolling Hills (Dirt Road)</i> | | WEATHER <i>Partly cloudy.</i> | | LINE NO. <i>1</i> | | | | |
| REC. NO. | SWEEP POINT | PATCH LOCATIONS | CDP SW. | NO VIB | AMP GAIN | TAPE RL. NO. | FILTER | | | REMARKS |
| | | | | | | | LOCUT | 80~ | AMP | |
| <i>1</i> | <i>050</i> | <i>208</i> | <i>109-204</i> | <i>38</i> | <i>5</i> | <i>199</i> | <i>OUT</i> | <i>IN</i> | <i>70%</i> | <i>Vib = 12666 Back on line.</i> |
| <i>2</i> | <i>051</i> | <i>210</i> | <i>111-206</i> | <i>40</i> | | | | | <i>70%</i> | |
| <i>3</i> | <i>052</i> | <i>212</i> | <i>113-208</i> | <i>42</i> | | | | | <i>70%</i> | |
| <i>4</i> | <i>053</i> | <i>214</i> | <i>115-210</i> | <i>44</i> | | | | | <i>70%</i> | |
| <i>5</i> | <i>SKIP</i> | <i>216</i> | <i>117-212</i> | <i>46</i> | | | | | <i>SKIP</i> | <i>* 216 Skip due to bridge.</i> |
| <i>6</i> | | | | | | | | | | |
| <i>7</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 MOR. | | | | | | |

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DIGITAL VIBROSEIS RECORDER

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Geosource Inc.

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| 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. | FILTER | | | REMARKS |
|----------|-----------------|-----------------|---------|--------|----------|--------------|--------|-----|-----|---|
| | | | | | | | LOGUT | 80~ | AMP | |
| 1 | 933 Pulse | 1-6sec. | | | | 177 | OUT | IN | | Recorder set up at |
| 2 | 934 EINT | 2- " " | | | | | | | | Station #183 dead due to Creek + Driveway. #199 |
| 3 | 935 D.R.D. | 4- " " | | | | | | | | Dead due to Bridge. #216 Dead due to Bridge |
| 4 | 936 Sum Test | 2- " " | | | | | | | | |
| 5 | 937 N. Rot Test | 2- " " | | | | | | | | Vib #12666 Down Trouble with Charging System. |
| 6 | 932 Similarity | 1-26sec. | 225 | 4 | | 177 | | | 50% | End * 177 Tape mKts |
| 7 | 054 Wind Strip | 1-6sec. | 1 | | | 178 | | | | Bot * 178 * 900 10 sec All axes. |
| 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% | End * 178 Tape mKts. |
| 15 | 063 232 | 133-228 | 15 | | | 179 | | | 70% | Bot * 179 * 900 10 sec All axes * 062 6 sec Wind Strip. |
| 16 | 064 Skip | 135-230 | 17 | | | | | | 70% | * 234 Skip due to Bridge. |
| 17 | 065 235 | 136-231 | 18 | | | | | | 70% | |
| 18 | 066 237 | 138-233 | 20 | | | | | | 70% | |
| 19 | 066 239 | 140-235 | 22 | | | | | | 70% | |
| 20 | 067 241 | 142-237 | 24 | | | | | | 70% | |
| 21 | | | | | | | | | | |
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| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MDS-10 |
| SWEEP FREQUENCY 8-40Hz / 26 sec. | SWEEP PATTERN 4/165 | SWEEPS PER PATTERN 16 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 112233X332211 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-Y11008 1-Y900 | TYPE GEOPHONE KTELV22B | FREQUENCY 7.5Hz. | STATION INTERVAL 330' |
| REMARKS Hous. Sample Rate 1/42 sec. Record Length | OBSERVER P. Patton | PARTY MGR. 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 1/24/81 |
| 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 | 80~ | AMP | |
| 1 | 933 Pulse | 1-6 sec | | | | 179 | OUT | IN | | Recorder set RT 215-216 |
| 2 | 934 FINT | 2- " " | | | | | | | | * 183 Dead due to creek + Drive way. * 199 Dead due to Bridge * 216 Dead due to Bridge. |
| 3 | 935 D.R.D. | 4- " " | | | | | | | | |
| 4 | 936 Sum Test | 2- " " | | | | | | | | |
| 5 | 937 N. Rot. Test | 2- " " | | | | | | | | |
| 6 | 932 Similarity | 1-26 sec | 225 | 5 | | 179 | | | 50% | EOT * 179 Tape MKTs. |
| 7 | 068 Wind strip | 1-6 sec | 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 1122.3.3 X 3.32211 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-V11005 1-Y900 | TYPE GEOPHONE ETLEV22B | FREQUENCY 7.5 Hz | STATION INTERVAL 3.33 |
| REMARKS 4 hrs. Sample Rate 147 sec. Record Length | | | OBSERVER R. Patton | PARTY MGR. J. H. King | 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 1-25-81 |
| 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 | | | REMARKS |
|----------|-----------------------|-----------------|--------------------|---------------|----------|----------------|-------------|-----|----------------|--|
| | | | | | | | LOCUT | 50~ | 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 | ETNT | | | | | | | | |
| 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 aces. |
| 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 aces * 099 6 sec wind strip |
| 16 | 095 | 295 | 196-291 | 17 | | | | | | Vib * 17311 Down Problem with Hyd Lift Cylinder Brake. Shutting Down. |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 21 | | | | | | | | | | |
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|---|---------------------------------------|---|--|---------------------------------------|----------------------------------|
| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MD5-10 |
| 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 FTLEVR22B | FREQUENCY 7.5Hz | STATION INTERVAL 3.30' |
| REMARKS Has Sample Rate 142 sec Record Length | | | OBSERVER R. Patton J. Ludwig | PARTY NO. | LINE DIR. 1 TO 24 N-75 |

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

| | | | | |
|-------------------------|---------------------------------|-------------------------|------------------------|------------------------|
| CLIENT COCORP | AREA ARK. | STATE ARK. | COUNTY 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 | | | RE MARKS |
|----------|----------------|-----------------|---------|--------|----------|--------------|-------------|------|------|---|
| | | | | | | | LOCUT | 60 ~ | AMP | |
| 1 | 933 Pulse | 1-6 sec. | | | | 184 | OUT | IN | | Bot #184 *900 10 sec All ones |
| 2 | 935 FTNT | 2- " " | | | | | | | | Recorder set AT |
| 3 | 936 D.R.D. | 4- " " | | | | | | | | *199 + 216 Dead due to Bridges. |
| 4 | 953 Sum Test | 2- " " | | | | | | | | |
| 5 | 961 N.R.T Test | 2- " " | | | | | | | | |
| 6 | 932 Similarity | 1-26 sec. | 225 | 4 | | | | | 50% | Vib #12667 Down Broken Column Bolt. |
| 7 | 097 Wind Strip | 1-6 sec. | | | | | | | | |
| 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 #103 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 530' |
| REMARKS 4 hrs. Sample Rate 142 sec. Record Length | | | OBSERVER R. Patton / W. King | PARTY MOR. N → S. | |

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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|-------------------------|--|--------------------------|------------------------|------------------------|
| 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. | FILTER | | | REMARKS |
|----------|-------------|-----------------|---------|--------|----------|--------------|--------|-----|-----|---|
| | | | | | | | LOCUT | 80~ | AMP | |
| 1 | 322 | 223-318 | 30 | 4 | | 186 | OUT | IN | 70% | BOT * 186 * 900 10 sec All ones * 111 6 sec wind stop |
| 2 | 323 | 224-319 | 31 | | | | | | 70% | |
| 3 | 324 | 225-320 | 32 | | | | | | 70% | |
| 4 | 325 | 226-321 | 33 | | | | | | 70% | |
| 5 | 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 | | | | | | | | | | Will move to line #2 until Permit Arrives |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
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| 24 | | | | | | | | | | |
| 25 | | | | | | | | | | |

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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 2/6/81 |
| 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 | | | REMARKS |
|----------|--------------------------------|-----------------|---------|--------|----------|--------------|-------------|------|-----|---|
| | | | | | | | LOGUT | 80 ~ | 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 228-229 had to setup short |
| 3 | 936 939 D.R.D. | 4- " " | | | | ? | | | | #330 Dead due to HWX 250. (due to TERRAIN) |
| 4 | 940 941 Sum Test | 2- " " | | | | | | | | Relaxed out on line #1 continuing line #1 |
| 5 | 942 941 N.R.S. 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 | | | | | | 70% | * 338+340 skip due to houses. |
| 10 | skip 340 | 241-336 | 35 | | | | | | 70% | |
| 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 | | | | | | | | | | |
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|--|---------------------------------------|---|--------------------------------------|---------------------------------------|---------------------------------|
| 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-Y11005 1-Y900 | TYPE GEOPHONE ETLEVZ2B | FREQUENCY 7.5 Hz. | STATION INTERVAL 330' |
| REMARKS 4 hrs Sample Rate 1/2 sec. Record Length | | OBSERVER R. Patton | | PARTY MGR. J. L. ... | |

**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. 68.34 | 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. | FILTER | | | REMARKS |
|----------|-----------------|-----------------|---------|--------|----------|--------------|--------|-----|-----|--|
| | | | | | | | LOGUT | 80~ | AMP | |
| 1 | 933 Pulse | 1-6 sec. | | | | 207 | OUT | IN | | Recorder set up at 333-334 |
| 2 | 934 ETNT | 2- " " | | | | | | | | * 330 Dead due to Huk 250. |
| 3 | 935 D.R.D. | 4- " " | | | | | | | | |
| 4 | 953 Sum Test | 2- " " | | | | | | | | |
| 5 | 951 N.R.J. Test | 2- " " | | | | | | | | Vib * 14256 Down Alt. out. |
| 6 | 932 Simulite | 1-26 sec. | 225 | 4 | | 207 | | | 50% | EOT * 207 Tape MKTs |
| 7 | 130 Wind Strip | 1-6 sec. | 1 | | | 208 | | | | Bot * 208 * 900 10 sec 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 10 sec All ones * 138 6 sec 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 10 sec All ones * 146 6 sec 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 | | | | | | | | | | |

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|--|---------------------------------------|---|--------------------------------------|---------------------------------------|-----------------------------------|
| 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 4/6.3 | SWEEPS PER PATTERN 16 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 112233X372711 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-Y11005 1-Y900 | TYPE GEOPHONE ETLEV2ZB | FREQUENCY 7.5 Hz | STATION INTERVAL 330' |
| REMARKS Hours Sample Rate 1/42 sec Record Length | | | OBSERVER R. Patton | PARTY MGR. J. Davis | LINE DIR. 1 TO 24 N → S |

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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

| REC. NO. | SWEEP POINT | PATCH LOCATIONS | COP SW. | NO VIB | AMP GAIN | TAPE RL. NO. | FILTER | | | REMARKS |
|----------|-----------------------|-----------------|---------|--------|----------|--------------|--------|-----|-----|--|
| | | | | | | | LOCUT | 80~ | AMP | |
| 1 | 933 | Pulse | | | | 210 | OUT | IN | | Recorder set at 364-365 |
| 2 | 934 935 | EINT | | | | | | | | *330 dead due to Hurx *250 |
| 3 | 936 939 | D.R.D. | | | | | | | | |
| 4 | 953 954 | Sum TEST | | | | | | | | |
| 5 | 960 961 | N.R.J. TEST | | | | | | | | |
| 6 | 932 | similarity | 225 | 5 | | | | | 50% | |
| 7 | 149 | Windstrip | 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% | BAT * 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% | BAT * 212 *900 10sec All ones * 160 6sec wind strip. |
| 18 | | | | | | | | | | Finished For the Day Checking For some |
| 19 | | | | | | | | | | leaky cables = |
| 20 | | | | | | | | | | |
| 21 | | | | | | | | | | |
| 22 | | | | | | | | | | |
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| 24 | | | | | | | | | | |
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|--------------|--------------|----------------|------------------|--------------|-----------------------------|
| 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 ETLEVZ 2B | FREQUENCY 7.5 Hz |
| STATION INTERVAL 330' | | LINE DIR. 1 TO 24 N. → S. | | |

| | | |
|---|------------------------------|------------------------------|
| REMARKS 4 hrs Sample Rate 1/2 sec Record Length | OBSERVER R. Patton | PARTY NO. 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. | FILTER | | | REMARKS |
|----------|----------------------------|-----------------|---------|--------|----------|--------------|--------|------|-----|---|
| | | | | | | | LOCUT | 60 ~ | AMP | |
| 1 | 933 Pulse | 1-6sec. | | | | 212 | OUT | IN | | Recorder set AT 379-380 |
| 2 | 934 EINT | 2- " " | | | | | | | | *330 Dead due to Hwy 250 |
| 3 | 935 D.R.D. | 4- " " | | | | | | | | From 340-337 houses. Picking up some noise. |
| 4 | 953 Sum Test | 2- " " | | | | | | | | |
| 5 | 960 N.R.J. Test | 2- " " | | | | | | | | |
| 6 | 932 Similarity | 1-2.6sec. | 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 mkt |
| 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 mkt |
| 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 | | | | | | | | | | |

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|---|--------------------------------|--------------------------------------|-------------------------------|--------------------------------|--------------------------|
| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. |
| | | | | | M125-12 |
| 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 Vars. Sample Rate / 42 sec Record length | | | OBSERVER P. R. Thomas | PARTY MGR. J. P. ... | |

**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 | 937 934 Sum Test | 2- " " | | | | | | | | |
| 5 | 940 941 N.R.J. Test | 2- " " | | | | | | | | |
| 6 | 932 Similarity | 1-26sec. | 225 | 4 | | | | | 50% | Vib* 12667 OUT. |
| 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 → 40 Hz / 26 sec | SWEEP PATTERN 4163 | SWEEPS PER PATTERN 16 | SWEEP PATTERNS PER SETUP 1 | PATCH PATTERN 1 1 2 2 3 3 X 3 3 2 2 1 1 | |
| GEOPHONES PER PATCH 24 | NO. OF RECORDING PATCHES 96 | TYPE VIBRATOR 4-Y1100S 1-1900 | TYPE GEOPHONE ETLEV22B | FREQUENCY 7.5 Hz | STATION INTERVAL 330' |
| REMARKS 4ms Sample Rate / 42 sec Record Length | OBSERVER R. Patton / J. Wingo | | PARTY MOR. 1 Drive | | |

**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 | |

| REG. NO. | SWEEP POINT | PATCH LOCATIONS | CDP SW. | NO VIB | AMP GAIN | TAPE RL. NO. | FILTER | | | REMARKS |
|------------------|-------------|------------------------------|---------|--------|----------|--------------|--------|-----|-----|---------|
| | | | | | | | LOCUT | 60~ | AMP | |
| 1 933 | Pulse | 1-6sec. | | | | | OUT | IN | | |
| 2 934 | EINT | 2- " " | | | | | | | | |
| 3 935 | D.R.D. | 4- " " | | | | | | | | |
| 4 936 | Sum Test | 2- " " | | | | | | | | |
| 5 937 | N.R.C. Test | 2- " " | | | | | | | | |
| 6 938 | Similarity | 1-26sec. | | | | | | | | |
| 7 | 1 | 20' N sta 14 1/2 sup 4-6 1/2 | | 1 | | | | | | |
| 8 | 2 | " " " 4sup " " | | | | | | | | |
| 9 | 3 | " " " 8sup " " | | | | | | | | |
| 10 | 4 | " " " 16sup " " | | | | | | | | |
| 11 | 5 | 11- 1sup 14-6 1/2 | | 5 | | | | | | |
| 12 | 6 | " - 4sup " " | | | | | | | | |
| 13 | 7 | " - 8sup " " | | | | | | | | |
| 14 | 8 | " - 16sup " " | | | | | | | | |
| 15 | 9 | 30' or of sta 26-1sup " " | | 1 | | | | | | |
| 16 | 10 | 25' " " " 4sup " " | | | | | | | | |
| 17 | 11 | 70' " " " 8sup " " | | | | | | | | |
| 18 | 12 | " " " 16sup " " | | | | | | | | |
| 19 | 13 | N of sta 1-1sup 1-38 | | 5 | | | | | | |
| 20 | 14 | " " " 1-4sup " " | | | | | | | | |
| 21 | 15 | " " " 1-8sup " " | | | | | | | | |
| 22 | 16 | " " " 1-16sup " " | | | | | | | | |
| 23 | 17 | sta. 2-4sup 2-38 | | | | | | | | |
| 24 | 18 | " " " 8sup " " | | | | | | | | |
| 25 | 19 | " " " 16sup " " | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------|--|-----------------------------------|-------------------------------|---------------------------------|
| TOTAL SETUPS | TOTAL SWEEPS | TOTAL COVERAGE | TOTAL FIELD TIME | DRIVING TIME | SYSTEM NO. MDS-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-Y9100's 1-Y900 | TYPE GEOPHONE ETH-FV22B | FREQUENCY 7.5 Hz | STATION INTERVAL 330' |
| REMARKS 4ms sample rate | | | OBSERVER R. Patton | PARTY MGR. J. Wings | |