

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical  
Division  
Geosource Inc.

CLIENT	COCORP	AREA	OK Line #5	STATE	OK	COUNTY	Washita	DATE	5-9-79
CREW NO.	6834	TERRAIN	Rolling Farmland	WEATHER	Cloudy - Windy	LINE NO.		5	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	ND VIB	AMP GAIN	TAPE RL.NO.	F I L T E R		RE MARKS
							LOCUT	60 ~	
1	933 Pulse Test	1 - 6 Sec.				358	Out	TN	RECORDER SET UP BETWEEN STA'S 75 + 76 B.O.T. #358 FILE #900-10 SEC. ALL ONE'S. LAYING OUT LINE. WILL START PUSHING LINE #5. (From West to East). Wind gusting to 20-25 mph. Noise on Sta's 16 + 17 Due to tractor working field Noise on Sta's 43-81 Due to wooded area + wind.
2	934 ELNI	2 - " "							
3	936-939 DRD	4 - " "							
4	934-934 SUM Test	2 - " "							
5	934-934 NRJ Test	2 - " "							
6	932 Similarity	1 - 22 Sec.		5				50%	Noise on Sta's 43-81 Due to wooded area + wind.
7	001 Wind Strip	1 - 6 Sec.							CHECKING LINE
8	002	4 - 99	1	5				70%	1-96 CORRELATION MADE ON FILE #002
9	003	7 - 102	4						
10	SKIP	10 - 105	7						V.P.#7 SKIPPED DUE TO WATER WELL.
11	004	13 - 108	10						
12	005	16 - 111	13						
13	SKIP	19 - 114	16			358			V.P.#16 SKIPPED DUE TO HOUSE. E.O.T.#358
14	006	22 - 117	19			359			B.O.T.#359 FILE #900-10 SEC. ALL ONE'S. WIND PICKING UP.
15	007	25 - 120	22						
16	008	28 - 123	25						
17	009	31 - 126	28						
18	010	34 - 129	31						
19	011	37 - 132	34						
20	SKIP	40 - 135	37						V.P.#37 SKIPPED DUE TO WATER WELL.
21	012	43 - 138	40			359			E.O.T.#359
22						360			B.O.T.#360 FILE #900-10 SEC. ALL ONE'S.
23									
24									DOWN DUE TO WIND. WIND STRIP TAKEN (NOT ON TAPE)
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	
8-40 Hz.	CODE # 5163	16	1	2222222211111 (CODE #2125)	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
24	96	4-41100 1-4900	ETL-EV22B	75 Hz.	330'
REMARKS	OBSERVER		PARTY MGR.		LINE DIR.
	SIMMONS/KRAMER				1 TO 24 W → E

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Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>OK LINE #5</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-10-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING FARM LAND</b>	WEATHER <b>OVERCAST - WINDY - Damp</b>		LINE NO. <b>5</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 ~	60 ~	
1	933	PULSE TEST	1 - 6 SEC			360	OUT	IN		RECORDER SET UP BETWEEN STA'S 111 + 112
834	935	EINT	2 - "							OVERNIGHT RAIN! WIND GUSTING TO 18 MPH.
936	939	DRD	4 - "							
943	954	SUM TEST	2 - "							
960	961	NRJ TEST	2 - "							
6	932	SIMILARITY	1 - 2.2 SEC	5					50%	VIB #12666 DOWN DUE TO WATER PUMP. (REPAIRING NOW)
7	013	WIND STRIP	1 - 6 SEC							CHECKING LINE
8	014	43	46 - 141	7	4				70%	1-96 CORRELATION MADE ON FILE #014
9	015	46	49 - 144	10						
10	SKIP	49	52 - 147	13						UP #49 SKIPPED DUE TO WATER WELL.
11	016	52	55 - 150	16	5					VIB #12666 BACK IN LINE
12	017	55	58 - 153	19		360				E.O.T. # 360
13	018	58	61 - 156	22		361				B.O.T. # 361. FILE # 900-10 SEC. ALL ONE'S
14	019	61	64 - 159	25						
15	020	64	67 - 162	28						
16	021	67	70 - 165	31						
17	022	70	73 - 168	34						
18	023	73	76 - 171	37		361				E.O.T. # 361
19	024	76	79 - 174	40		362				B.O.T. # 362. FILE # 900-10 SEC. ALL ONE'S. WIND PICKING UP!
20	025	79	82 - 177	43						1-96 CORRELATION MADE ON FILE #025
21	026	82	85 - 180	46						
22	027	85	88 - 183	49						RECORDER MOVE
23	028	88	91 - 186	2						RECORDER SET UP BETWEEN STA'S 161 + 162
24	029	91	94 - 189	5		362				E.O.T. # 362. STA #190 OPEN DUE TO BRIDGE
25	031	94	97 - 192	8		363				B.O.T. # 363. FILE # 900-10 SEC. ALL ONE'S. FILE # 030 WIND STRIP

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8-40 HZ</b>		SWEEP PATTERN <b>CODE # 5163</b>		SWEEPS PER PATTERN <b>16</b>	
SWEEP PATTERNS PER SETUP <b>1</b>		PATCH PATTERN <b>1111222222221111</b>		CODE # <b>2125</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1180</b> <b>1-900</b>	TYPE GEOPHONE <b>ETL-EV223</b>	FREQUENCY <b>7.5 HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS			OBSERVER <b>SIMMONS/KRAMER</b>	PARTY MGR.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical  
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CLIENT <b>COCORP</b>	AREA <b>OK. LINE #5</b>	STATE <b>OK.</b>	COUNTY <b>Washita</b>	DATE <b>5-10-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Farmland</b>	WEATHER <b>Cloudy + Windy</b>	LINE NO. <b>5</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 ~		
1	97	100-195	11	5		363	Out	IN	70% <del>DRIVE</del>	3 RAW SWEEPS (1 For Dr. Kaufman, 2 For Quality Control) MADE ON FILE # 052
2	100	103-198	14							
3	103	106-201	17							
4										
5										FINISHED FOR THE DAY
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8-40Hz</b>	SWEEP PATTERN <b>CODE # 5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     2222222222     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-91100 1-4900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>75Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS	OBSERVER/TO <b>SIMMONS/KRAMER</b>			PARTY MGR.	

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DIGITAL VIBROSEIS RECORDER

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CLIENT <b>COCORP</b>	AREA <b>OK LINE # 5</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-11-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Farmland</b>	WEATHER <b>Overcast - Cool</b>	LINE NO. <b>5</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 Test	1 - 6 Sec.				363	Out	IN		RECORDER SET UP BETWEEN STA'S 178 + 179
2	934 + 935 EINI	2 - " "								Hiway # 44 Crosses Line Between Sta's 168 + 169
3	936 + 939 DRD	4 - " "								Sta. #190 OPEN DUE TO BRIDGE.
4	933 + 934 Sum Test	2 - " "								
5	934 + 935 NRT Test	2 - " "								
6	932 Similarity	1 - 22 Sec.		5					50%	
7	035 Wind Strip	1 - 6 Sec.				363				CHECKING LINE, E.O.T. # 363
8	036 106	109 - 204	3	5		364			70%	B.O.T. # 364. FILE # 196 CORRELATION MADE ON FILE # 036
9	037 109	112 - 207	6							V.P. # 109 STACKED ON LAST HALF DUE TO TRAILER HOUSE.
10	038 112	115 - 210	9							
11	039 115	118 - 213	12							
12	040 118	121 - 216	15							
13	041 121	124 - 219	18			364				E.O.T. # 364
14	042 124	127 - 222	21			365				B.O.T. # 365 FILE # 900-10 SEC. ALLONE'S
15	043 127	130 - 225	24							
16	044 130	133 - 228	27							
17	045 133	136 - 231	30							
18	046 136	139 - 234	33							
19	047 139	142 - 237	36							
20	SKIP 142	145 - 240	39							V.P. # 142 SKIPPED DUE TO WATER WELL.
21	048 145	148 - 243	42			365				E.O.T. # 365
22	049 148	151 - 246	45			366				B.O.T. # 366 FILE # 900-10 SEC. ALLONE'S.
23	050 151	154 - 249	48							V.P. # 151 STACKED ON FIRST HALF DUE TO BRIDGE RECORDER MOVE.
24	051 154	157 - 252	7							RECORDER SET UP BETWEEN STA'S 222 + 223
25	052 157	160 - 255	10							1-96 CORRELATION MADE ON FILE # 052 & RAW SWEEP

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-40 Hz</b>	SWEEP PATTERN <b>CODE # 5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>111122222221111 (CODE # 2125)</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-41100 1-4900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>25 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS	OBSERVERS <b>SIMMONS / KRAMER RICHARDS</b>		PARTY MGR.		

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CLIENT <b>COCORP</b>	AREA <b>OK. LINE # 5</b>	STATE <b>OK.</b>	COUNTY <b>Washita</b>	DATE <b>5-11-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Farmland</b>	WEATHER <b>Overcast - Cool</b>	LINE NO. <b>5</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 ~	
1	SKIP 160	163-258	13	5		366	Out	IN 70%	VP. # 160 SKIPPED DUE TO HOUSE
2	SKIP 163	166-261	16						" 163 " " " "
3	SKIP 166	169-264	19						" 166 " " " WATER WELL
4	053 169	172-267	22						
5									
6									
7									FINISHED FOR THE DAY
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8-40 Hz.</b>	SWEEP PATTERN <b>CODE # 5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>1111222222221111</b> (CODE 2125)	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-9100</b> <b>1-4900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS	OBSERVER TO <b>SIMMONS/KRAMER</b> <b>RICHARDS</b>			PARTY MGR.	

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CLIENT <b>COCORP</b>	AREA <b>OK LINE #5</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-12-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING FARMLAND</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>5</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 ~	
1 933	PULSE TEST	1 - 6 SEC.				366	OUT	IN	RECORDER SET UP BETWEEN STAS 246-247
2 934/935	EINT	2 - "							
3 936-939	DRD	4 - "							
4 943-959	SUM TEST	2 - "							
5 960-961	NRS TEST	2 - "				366			E.O.T. #366
6 932	SIMILARITY	1 - 2.2 SEC.		5		367			B.O.T. #367 FILE #900-10SEC ALLONE'S
7 054	WIND STRIP	1 - 6 SEC.							CHECKING LINE
8 055	172	175 - 270	1	5					1-96 CORRELATION MADE ON FILE #055
9 056	175	178 - 273	4						LINE CROSSES HWY #183 BETWEEN STA' 272 + 273
10 057	178	181 - 276	7						
11 058	181	184 - 279	10						
12 059	184	187 - 282	13						
13 SKIP	187	190 - 285	16						V.P. #187 SKIPPED DUE TO HOUSE + BARNS
14 060	190	193 - 288	19			367			E.O.T. #367
15 061	193	196 - 291	22			368			B.O.T. #368 FILE #900-10SEC ALLONE'S
16 062	196	199 - 294	25						
17 063	199	202 - 297	28						*STAS 297 + 298 NOISE DUE TO TRACTOR WORKING IN FIELD.
18 064	202	205 - 300	31						V.P. #202 STACKED ON FIRST HALF DUE TO HOUSE.
19 065	205	208 - 303	34						V.P. #205 STACKED ON LAST HALF DUE TO HOUSE.
20 SKIP	208	211 - 306	37						V.P. #208 SKIPPED DUE TO BUILDINGS
21 066	211	214 - 309	40						
22 067	214	217 - 312	43			368			E.O.T. #368
23 069	217	220 - 315	46			369			B.O.T. #369 FILE #900-10SEC ALLONE'S. FILE #068 WIND STRIP 6 SEC.
24 070	220	223 - 318	49						RECORDER MOVE
25 071	223	226 - 321	5						RECORDER SET UP BETWEEN STAS 293 + 294

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-40 Hz</b>	SWEEP PATTERN <b>CODE #5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP	PATCH PATTERN <b>1111222222221111</b>	CODE # <b>2125</b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-9100 1-9900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS				OBSERVER/50. <b>SIMMONS / KRAMER RICHARDS</b>	PARTY MGR.

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DIGITAL VIBROSEIS RECORDER

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CLIENT <b>COCORP</b>	AREA <b>OK LINE #5</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-12-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING FARM LAND</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>5</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 ~	20 ~	
1	073	226	229-324	8	5	369	OUT	IN	70%	1-96 CORRELATION MADE ON FILE #072
2	073	229	232-327	11						NOISE ON STA. #322-324 DUE TO TRACTOR WORKING IN FIELD.
3	074	232	235-330	14						
4	075	235	238-333	17		369				E.O.T #369
5	076	238	241-336	20		370				B.O.T #370 FILE #900-1050. ALLONE'S.
6	077	241	244-339	23						3 RAW SWEEPS MADE ON FILE #077; 2 FOR QUALITY CONTROL 1 FOR DR. KNOFMAN.
7	078	244	247-342	26						RUNNING DOWN BAD CABLE.
8										
9										FINISHED FOR THE DAY
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. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-40 Hz</b>	SWEEP PATTERN <b>CODE #5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP	PATCH PATTERN <b>111122222221111</b>	CODE # <b>125</b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-91100</b> <b>1-9900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS				OBSERVER / J.O. <b>SIMMONS / KRAMER</b> <b>RICHARDS</b>	PARTY MGR.

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CLIENT <b>COCORP</b>	AREA <b>OK</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-13-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>5</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R D R I V E			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE				370	OUT	IN		RECORDER SET UP BETWEEN STAS 320+321
2	934	FINT								NOISE ON STAS #320-323 DUE TO TRACTOR WORKING IN FIELD.
3	935	DRD								
4	936	SUM								
5	937	NRS								
6	932	SIMILARITY		5					50%	
7	79	WIND STRIP								CHECKING LINE
8	080	247	250-345	2	5				70%	1-96 CORRELATION MADE ON FILE #080
9	081	250	253-348	5		370				E.O.T.#370
10	082	253	256-351	8		371				B.O.T.#371 FILE #900-10SEC. ALONE'S.
11	083	256	259-354	11						
12	084	259	262-357	14						
13	085	262	265-360	17						
14	086	265	268-363	20						
15	087	268	271-366	23						V.P.#268 STACKED ON LAST HALF DUE TO PIPELINE.
16	SKIP	271	274-369	26						V.P.#271 SKIPPED DUE TO PIPELINE + R.R. TRACKS.
17	088	274	277-372	29		371				V.P.#274 STACKED ON LAST HALF DUE TO R.R. TRACKS. E.O.T.#371
18	089	277	280-375	32		372				B.O.T.#372 FILE #900-10SEC. ALONE'S: WIND PICKING UP.
19	090	280	283-378	35						
20	SKIP	283	286-381	38						
21	091	286	289-384	41						
22	SKIP	289	292-387	44						V.P.#289 SKIPPED DUE TO HOUSE + WATER WELL.
23	092	292	295-390	47						RECORDER MOVE
24	093	295	298-393	1						RECORDER SET UP BETWEEN STAS 369+370
25	SKIP	298	301-396	4						V.P.#298 SKIPPED DUE TO WATER WELLS + WIND MILL.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-40, 22 sec</b>	SWEEP PATTERN <b>Code 5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP	PATCH PATTERN <b>111112222222221111 Code 2125</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1100 1-900</b>	TYPE GEOPHONE <b>EV 22 B</b>	FREQUENCY <b>7.5</b>	STATION INTERVAL <b>330'</b>
REMARKS	OBSERVER/J.O. <b>SIMMONS / KRAMER RICHARDS</b>	PARTY MGR.	LINE DIR. <b>1 TO 24 W → E</b>		

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Geosource Inc.

CLIENT <b>COGORP</b>	AREA <b>OKLINE#5</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>5-13-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>5</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~	70~	
1	094	301	304 - 399	7	5	372	OUT	IN	70%	
2	095	304	307 - 402	10	4	372				E.O.T.#372: VIB#12666 DOWN DUE TO SWEEP PROBLEMS.
3	097	307	300 - 405	13		373				B.O.T.#373 FILE#900-10SEC. ALONE'S: FILE#096 (WIND STRIP)
4	098	310	313 - 408	16						1-96 CORRELATION MADE ON FILE#098
5	099	313	316 - 411	19	5					CHANGED INST. CASE IN VIB#12666; MADE SIMILARITY WITH 2 VIBS. PAPER MONITOR ONLY.
6	100	316	319 - 414	22						RAW SWEEP MADE ON FILE#100
7	101	319	322 - 417	25						
8	102	322	325 - 420	28						
9		<del>323</del>	<del>326 - 423</del>	<del>31</del>						
10		<del>324</del>	<del>329 - 426</del>	<del>34</del>						
11										
12										
13										
14										
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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.</b>	SWEEP PATTERN <b>CODE#5163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP	PATCH PATTERN <b>1111222222221111</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-9700</b> <b>1-9900</b>	TYPE GEOPHONE <b>ETL-EV22B.</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS	OBSERVER <b>J.O. SIMMONS/KRAMER</b> <b>RICHARDS</b>			PARTY MGR.	

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>OK LINE #5</b>	STATE <b>OK</b>	COUNTY	DATE <b>5-14-79</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Farmland</b>	WEATHER <b>CLEAR - Windy</b>	LINE NO. <b>5</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 ~	SEP DRIVE	
1	933 Pulse Test					373	Out	IN		RECORDER Set up BETWEEN STA'S 402 & 403
<del>2</del>	<del>934</del> E.L.N.I									
<del>3</del>	<del>936</del> DRD					373				E.O.T. # 373
<del>4</del>	<del>937</del> Sum Test					374				B.O.T. # 374 FILE # 900 - 10 SEC. ALL ONE'S.
<del>5</del>	<del>940</del> NRT TEST									
6	932 Similarity			5					50%	
7	103 Wind Strip									Checking LINE
8	SKIP 325	328 - 423	-						70%	V.P. # 325 SKIPPED DUE to WATER Wells
9	104 328	331 - 426	1	5						1-96 CORRELATION MADE ON FILE # 104
10	SKIP 331	334 - 429	4							V.P. # 331 SKIPPED DUE to House
11	105 334	337 - 432	7							
12	106 337	340 - 435	10							
13	SKIP 340	343 - 438	13							V.P. # 340 SKIPPED DUE to house
14	107 343	346 - 441	16							
15	SKIP 346	349 - 444	19							V.P. # 346 SKIPPED DUE to house
16	108 349	352 - 447	22			374				E.O.T. # 374
17	109 352	355 - 450	25			375				B.O.T. # 375. FILE # 900 - 10 SEC. ALL ONE'S
18	<del>scribbles</del>									E.O.T. # 375.
19	<del>scribbles</del>									STOPPING ON LINE # 5 DUE to PERMIT PROBLEMS
20	<del>scribbles</del>									PICKING UP LINE & MOVING BACK to
21	<del>scribbles</del>									LINE # 2
22	E.O.L.									
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8-40 Hz.</b>		SWEEP PATTERN <b>CODE # 5165</b>		SWEEPS PER PATTERN <b>16</b>	
SWEEP PATTERNS PER SETUP <b>1</b>		PATCH PATTERN <b>111122222221111 (CODE 2125)</b>			
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-91100 1-4900</b>	TYPE GEOPHONE <b>ETL - EV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS			OBSERVER TO <b>SIMMONS/KRAMER RICHARDS</b>	PARTY MGR.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>OKLAHOMA</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>10-31-80</b>
CREW NO. <b>16834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear-Cool</b>	LINE NO. <b>5-A</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.				066	OUT.	IN		B.O.T. 066: FILE 900: 10 SEC. ALL 2'S
2	<del>934</del> 935 F.I.N.T	2- " "								LAYING OUT LINE #5A; WILL BE PUSHING THE LINE WITH
3	<del>936</del> 939 D.R.D.	4- " "								A 3 STA. GAP: EXTENSION OF OLD LINE #5, BEGINNING
4	<del>953</del> 954 Sum Test	2- " "								WITH STA. # 355 VIBRATING.
5	<del>960</del> 961 N.R.S Test	2- " "								PAVED ROAD FROM STA 355-387: VIB. IN DITCH.
6	932 Similarity	1-22 sec.		5					50%	RECORDER SET UP BETWEEN STA.'S 429-430
7	001 Windstrip	1-6 sec.	1							CHECKING LINE. STA. 449+450-OPEN-NO PERMIT & NO GEOPHONES
8	002 355	358-453	1	5					50%	STATE HWY. #54 INTERSECTS LINE BETWEEN STA.'S 451 & 452.
9	003 358	361-456	4						50%	V.P. 355-1 <sup>st</sup> HALF DUE TO A HOUSE, WIND VELOCITY 5-10 MPH.
10	004 361	364-459	7						70%	CORR. 1-96 ON FILE #002
11	005 364	367-462	10						70%	
12	006 367	370-465	13			066			70%	E.O.T. #066
13	008 370	373-468	16			067			70%	B.O.T. #067 File 900=10 SEC. ALL ONES, WINDSTRIP ON FILE #007
14	009 373	376-471	19						50%	FIRST HALF: HOUSING.
15	010 376	379-474	22						50%	FIRST HALF: HOUSING.
16	011 379	382-477	25						50%	FIRST HALF: HOUSING
17	SKIP 381	385-480	28							SKIP DUE TO HOUSE.
18	012 382	386-481	29						50%	STA. #382 RECORDED WITH CDP OFF +I.
19	013 385	388-483	31						50%	FIRST HALF: WATER WELL
20	014 388	391-486	34			067			70%	E.O.T. 067.
21	SKIP 391	394-489	37							SKIP DUE TO HOUSE
22	016 393	396-491	39			068			50%	B.O.T. 068, FILE 900: 10 SEC. ALL 2'S
23	017 396	399-494	42							WINDSTRIP MADE ON FILE # 015.
24										VIB. #17311 DOWN TEMPORARILY.
25										FINISHED FOR THE DAY.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MD8-10</b>
SWEEP FREQUENCY <b>8-40 Hz/26 sec.</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>111111'22'V22'111111</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-V1100'S 1-Y900</b>	TYPE GEOPHONE <b>ETL-EV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4m sec. Sample Rate</b>	<b>42 sec. Record</b>	OBSERVER <b>WORSHAM / SHABELDEEN</b>	PARTY MGR. <b>L. Davis</b>	LINE DIR. <b>1 TO 24 W → E</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical  
Division**  
Geosource Inc. 2

CLIENT <b>COCORP</b>	AREA <b>OKLAHOMA</b>	STATE <b>OK</b>	COUNTY <b>Washita</b>	DATE <b>11-1-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>		LINE NO. <b>5-A</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				068	OUT	IN		RECORDER SET UP AT STA. 472 & 473
2	<del>934</del> <del>935</del> E. INT.	2- " "								STA. 449 & 450 - OPEN - DEAD DUE TO NO PERMIT
3	<del>936</del> <del>939</del> D.R.D.	4- " "								STA. 451 & 452 - HWY. 54
4	<del>953</del> <del>954</del> Sum Test	2- " "								Vib. #12667 - DOWN - BAD Hyd. SEAL IN MASS
5	<del>960</del> <del>961</del> N.R.S. Test	2- " "								STA. 428 thru 435 - ELECTRIC FENCE
6	932 Similarity	1-26 sec.		5						WIND STRIP ON File #018
7	SKIP 399	407 - 497	2							V.P. 399 - SKIPPED - WATER WELL
8	019 401	404 - 499	4	4					50%	LAST HALF - " "
9	020 404	407 - 502	7						50%	LAST HALF - " "
10	021 407	410 - 505	10			068			50%	FIRST HALF - WATER WELL E.O.T. #068
11	023 410	413 - 508	13			069			50%	B.O.T. #069 - 900 - ALL ONES 10 SEC. File #022 - WINDSTRIP
12	024 413	416 - 511	16						70%	
13	025 416	419 - 514	19	5					70%	
14	026 419	422 - 517	22						50%	FIRST HALF - HOUSE & CEMETARY
15	027 422	425 - 520	25						50%	
16	028 425	428 - 523	28						70%	
17	029 428	431 - 526	31						50%	FIRST HALF - HOUSING
18	SKIP 431	434 - 529	34			069			50%	SKIP - HOUSE & WATER WELL E.O.T. #069
19	031 433	436 - 531	36			070			50%	B.O.T. #070 900 - ALL ONES - 10 SEC. - File #030 - WINDSTRIP
20	032 436	439 - 534	39						50%	V.P. 433 - FIRST HALF - HOUSING - V.P. 436 - LAST HALF - HOUSING
21	033 439	442 - 537	42						70%	STA. 532 thru 547 is OFF-SET 1 MILE SOUTH OF LINE.
22	034 441	444 - 539	44						70%	STA. 533 - 537 - NOISY - COMBINE WORKING IN FIELD
23	035 442	445 - 540	45						70%	NO PERMIT FOR VIBRATORS FROM STA. 443 TO 452 - WEAK BRIDGE
24										GO AROUND AT STA. 443 -
25										FINISHED FOR THE DAY.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 - 40 Hz / 26 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 111111221X122111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100 <sup>S</sup> 1-Y900	TYPE GEOPHONE ETH-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4m sec. Sample Rate 42 sec. Record Length			OBSERVER	PARTY MGR. L. Davis	

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>		AREA <b>OKIAHOMA</b>		STATE <b>OK</b>		COUNTY <b>WASHITA</b>		DATE <b>11-3-80</b>		
CREW NO. <b>6834</b>		TERRAIN <b>High Plains</b>		WEATHER <b>Clear</b>		LINE NO. <b>5A</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				070	OUT	IN		NOTE wind blowing 15-25 MPH.
2	934/935 EINT	2 " "								Electric Fence From 558-572
3	936/939 D RD	4 " "								Recorder set AT 527-528
4	953/959 Sum TEST	2 " "								TRACTOR working in Field AT 523-524
5	960/961 N.R.S TEST	2 " "								
6	932 SimiLaxity	1 - 26 sec.				070				E.O.T. #070
7	036 WINDSTRIP	456 - 551	1			071				B.O.T. #071 900' ALLONES FOR 10 SEC. File #036 = WINDSTRIP
8	037 453	456 - 551	1	5					50%	Checking line for wind strip. + 1-96 CORR.
9	038 456	459 - 554	4						50%	stacked 1st half due to well.
10	039 459	462 - 557	7						70%	
11	040 462	465 - 560	10	4					70%	Replanted Jugs on 559.
12	SKIP 465	468 - 563	13						SKIP	465 skip due to house's.
13	041 468	471 - 566	16	5					50%	
14	042 471	474 - 569	19						50%	
15										Replaced Bad cable 450. End of Reel # 071 Tape mts.
16										
17										
18										FINISHED FOR THE DAY.
19										
20										
21										
22										
23										
24										
25										
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY 8 - 40 Hz / 26 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16		SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 111111221X122111111		
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4 - V 1100's 1 - V 900		TYPE GEOPHONE FTL-EV 22B		FREQUENCY 7.5 Hz		STATION INTERVAL 330'
REMARKS 4 ms sample Rate 42 sec Record Length		OBSERVER R. DATTON		PARTY MGR. L. DAVIS						

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>OKLAHOMA</b>	STATE <b>OKLAHOMA</b>	COUNTY <b>WASHITA</b>	DATE <b>11-4-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>5A</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			072	OUT	IN		B.O.T. 072, FILE 900: 10 SEC. ALL I'S.
2	934/935	EINT	2-11 "							
3	936/939	DRD	4-11 "							RECORDER SET UP BETWEEN STA. 548-549
4	953/954	Sum TEST	2-11 "							Hwy 115 RT 564-565.
5	969/961	N.R.S. TEST	2-11 "							BLASTING (CREW IN VICINITY. (APPARENTLY NEAR
6	932	Similarity	1-26 sec	5					50%	FRONT OF LINE.)
7	044	WINDSTRIP	1-6 sec.	1						CHECKING LINE.
8	045	474	477-572	1					50%	DUE TO HOUSE. 1-96 CORRELATION MADE FROM FILE # 045.
9	046	477	480-575	4	5				70%	High Pressure Pipe Line AT 575.
10	047	480	483-578	7	4				70%	VIB. #17311 TEMPORARILY DOWN.
11	048	483	486-581	10					70%	
12	049	486	489-584	13		072			50%	Fixed ST. 583 weak IN cable Head. E.O.T. #072 Tape MKTs.
13	051	489	492-587	16		073			50%	Bot. 073 #900 All ones 10 sec File #050 wind strip 6 sec.
14	SKIP	492	495-590	19					SKIP	VP #489, First half due to water well
15	052	494	497-592	21	5				50%	VP #492 skip due to water well. vib #17311 Back on line.
16	053	497	500-595	24					70%	
17	054	500	503-598	27					70%	
18	055	503	506-601	30					70%	
19	056	506	509-604	33					50%	FIRST HALF: DUE TO CEMETERY ON STA. #507
20	057	509	512-607	36		073			50%	LAST HALF: " " " ; E.O.T. 073
21	059	512	515-610	39		074			70%	B.O.T. 074, FILE 900: 10 SEC: ALL I'S
22	060	515	518-613	42					70%	WINDSTRIP MADE ON FILE # 058.
23	061	518	521-616	45					70%	
24	062	521	524-619	48					70%	RECORDER MAKING MOVE UP TO STA. 574/575
25	063	524	527-622	25					70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222211111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V 110015 1-Y 900	TYPE GEOPHONE ETL-EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate 42 sec Record Length			OBSERVER / P.M.T. R. PATTON / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 W. → E.

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>			AREA <b>OKIA hama</b>			STATE <b>OKIAhoma</b>			COUNTY <b>Washita</b>			DATE <b>11-4-80</b>		
CREW NO. <b>6834</b>			TERRAIN <b>High Plains</b>			WEATHER <b>Clear</b>			LINE NO. <b>5A</b>					
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS				
							LOCUT	60~	AMP					
1	SKIP	527	530-625	28		074	OUT	IN		SKIP DUE TO NOISE ON STA. #527				
2	064	528	531-626	29					50%	LAST HALF Finished Fox Day.				
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME			DRIVING TIME		SYSTEM NO.		
SWEEP FREQUENCY <b>8 → 40 / 26 sec</b>		SWEEP PATTERN <b>4163</b>		SWEEPS PER PATTERN <b>16</b>			SWEEP PATTERNS PER SETUP <b>1</b>		PATCH PATTERN <b>111111 22 2 22 111111</b>					
GEOPHONES PER PATCH <b>24</b>		NO. OF RECORDING PATCHES <b>96</b>		TYPE VIBRATOR <b>4-Y1100's 1-Y900</b>		TYPE GEOPHONE <b>FTL EV 22B</b>		FREQUENCY <b>7.5 Hz</b>		STATION INTERVAL <b>330</b>		LINE DIR. 1 TO 24 <b>W → E</b>		
REMARKS <b>4 ms sample rate 42 sec record length</b>						OBSERVER / PMT <b>PATTON / SHABOULDEEN</b>			PARTY MGR. <b>DAVIS</b>					

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCO RP</b>	AREA <b>OKLAHOMA</b>	STATE <b>OKLAHOMA</b>	COUNTY <b>WASHITA</b>	DATE <b>11-5-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>5A</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				074	OUT	IN		Recorder Set At 597-598
2	934/935 FINT	2-11 "								High Pressure Pipe Line At 575;
3	936/939 DRD	4-11 "								STA'S 531 & 532: 1 mile OFFSET SOUTH.
4	953/954 Sum TEST	2-11 "								STA'S 547 & 548: 1 mile OFFSET NORTH.
5	960/961 N.R.S TEST	2-11 "				074				E.O.T. #074 Tape MKTS
6	932 Similarity	1-26 sec		5		075			50%	B.O.T. #075 FILE 900: 10 SEC. ALL IS;
7	065 WINDSTRIP	1-6 sec.	9							File #065 6 sec wind strip; STATE HWY 115 @ STA 564-565
8	066 531	534-629	9	5					50%	*531 stacked on 1st half due to houses.
9	067 534	537-632	12						50%	*534 stacked last half due to houses + water well
10	068 536	539-634	14	5					70%	VIB. MAKING ~10 MILE GO-AROUND.
11	069 539	542-637	17	4					70%	DYNAMITE CREW WORKING IN VICINITY;
12	070 542	545-640	20	4					70%	
13	071 545	548-643	23	5		075			50%	E.O.T. #075 Tape MKTS
14	073 548	551-646	26			076			50%	B.O.T. #076 #900 All ones 10 sec, #072 wind strip 6 sec.
15	074 551	554-649	29						70%	
16	075 554	557-652	32						70%	
17	076 557	560-655	35						70%	STA 593 OPEN.
18	077 559	562-657	37			076			70%	PICKING UP LINE, MOVING TO LINE #6; E.O.T. 076 FINISHED FOR THE DAY.
19										
20										
21										
22										
23										
24										
25										

E.O.L. # 5-A

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40/26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111111 22222 111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100 1-Y 900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 #2	STATION INTERVAL 330
REMARKS 4 ms Sample Rate 42 sec Record Length	OBSERVER R. PATTON	LINE DIR. 1 TO 24 W → E	PARTY MGR.		