

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OK LINE #2	STATE OK.	COUNTY JACKSON	DATE 4-6-79
CREW NO. 6834	TERRAIN Flat	WEATHER CLEAR - WINDY	LINE NO. 2	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	%	
1	933	PULSE TEST	1	6	SEC.	301	Out	TN	50%	RECORDER SET UP BETWEEN STA'S 12475
2	84+935	ELNI	2	"	"					LAYING OUT LINE #2
3	936-939	DRD	4	"	"					
4	953+954	SUM TEST	2	"	"					
5	960+961	NRT TEST	2	"	"					
6	932	SIMILARITY	1	22	"				50%	
7	001	Wind Strip	1	6	"					CHECKING LINE
8	002	99	1	96	1				70%	1-96 CORRELATION MADE ON FILE #002
9	003	102	4	99	4					
10	004	105	7	102	7					
11	005	108	10	105	10					
12	006	111	13	108	13	301				E.O.T #301
13	007	114	16	111	16	302				B.O.T #302. FILE #900-10 SEC. ALONE'S
14	008	117	19	114	19					
15										FINISHED FOR THE DAY
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz.	SWEEP PATTERN CODE# (1563)	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111 (CODE # 3125)	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-91100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 2.5 Hz	STATION INTERVAL 330'
REMARKS	OBSERVER Simmons/KRAMER		PARTY MGR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division

Geosource Inc. *SAT.*

CLIENT <i>COCORP</i>	AREA <i>OK. LINE #2</i>	STATE <i>OK.</i>	COUNTY <i>JACKSON</i>	DATE <i>4-7-79</i>
CREW NO. <i>6834</i>	TERRAIN <i>FLAT</i>	WEATHER <i>CLEAR - WINDY</i>	LINE NO. <i>2</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	FEEDBACK	
1	<i>933 Pulse Test</i>					<i>302</i>	<i>Out</i>	<i>IN</i>		<i>RECORDER SET UP BETWEEN STA'S 93 & 94</i>
2	934	FLAT								
3	936-939	DRD								
4	933+934	Sum Test								
5	934+936	NRT Test								
6	<i>933 Similarity</i>			<i>5</i>					<i>50%</i>	
7	<i>009 Wind Strip</i>									<i>CHECKING LINE</i>
8	<i>010 120</i>	<i>22 - 117</i>	<i>1</i>						<i>70%</i>	<i>1-96 CORRELATION MADE ON FILE # 010</i>
9	<i>011 123</i>	<i>25 - 120</i>	<i>4</i>							<i>VP # 123 STACKED ON FIRST HALF DUE TO HOUSE</i>
10	<i>012 126</i>	<i>28 - 123</i>	<i>7</i>			<i>302</i>				<i>E.O.T. # 302 VP # 129 SKIPPED DUE TO OIL WELLS.</i>
11	<i>SKIP 129</i>	<i>31 - 126</i>	<i>10</i>			<i>303</i>				<i>B.O.T. # 303 FILE # 900-10 SEC. ALONES</i>
12	<i>013 132</i>	<i>34 - 129</i>	<i>13</i>							
13	<i>014 135</i>	<i>37 - 132</i>	<i>16</i>							
14	<i>015 138</i>	<i>40 - 135</i>	<i>19</i>							
15	<i>016 141</i>	<i>43 - 138</i>	<i>22</i>							
16	<i>017 144</i>	<i>46 - 141</i>	<i>25</i>							
17	<i>018 147</i>	<i>49 - 144</i>	<i>28</i>							
18	<i>019 150</i>	<i>52 - 147</i>	<i>31</i>							
19	<i>020 153</i>	<i>55 - 150</i>	<i>34</i>			<i>303</i>				<i>E.O.T. # 303</i>
20	<i>022 156</i>	<i>58 - 153</i>	<i>37</i>			<i>304</i>				<i>B.O.T. # 304. FILE # 900-10 SEC. ALONES (FILE # 021 WIND STRIP)</i>
21	<i>023 159</i>	<i>61 - 156</i>	<i>40</i>	<i>5</i>						<i>1-96 CORRELATION MADE ON FILE # 023</i>
22	<i>024 162</i>	<i>64 - 159</i>	<i>43</i>	<i>4</i>						<i>VIB. # 12667 DOWN DUE TO TRANSMISSION PROBLEMS</i>
23	<i>025 165</i>	<i>67 - 162</i>	<i>46</i>							<i>VP # 165 STACKED ON FIRST HALF DUE TO HOUSE</i>
24	<i>026 168</i>	<i>70 - 165</i>	<i>49</i>							<i>RECORDER MOVE</i>
25	<i>027 171</i>	<i>73 - 168</i>	<i>2</i>							<i>RECORDER SET UP BETWEEN STAS 143 & 144</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <i>8-40 Hz</i>	SWEEP PATTERN <i>CODE # 1563</i>	SWEEPS PER PATTERN <i>16</i>	SWEEP PATTERNS PER SETUP	PATCH PATTERN <i>1111222222221111 (CODE # 2125)</i>
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-41100 1-4900</i>	TYPE GEOPHONE <i>ETN-EV22B</i>	FREQUENCY <i>7.5 Hz</i>
STATION INTERVAL <i>350'</i>		LINE DIR. <i>S → N</i>		

REMARKS: _____ OBSERVER/TO: *SIMMONS/KRAMER* PARTY MGR.: _____

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA O.K. LINE #2	STATE OK.	COUNTY JACKSON	DATE 4-7-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR-WINDY	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 ~	70% 70%	
1	028	174	76-171	5	4	304	OUT	IN	70%	RAW SWEEP MADE ON FILE #028 E.O.T #304
2	029	177	79-174	8		305				B.O.T. #305 FILE #900-10SEC ALLONE'S
3	030	180	82-177	11						
4	031	183	85-180	14						
5	032	186	88-183	17						
6										FINISHED FOR THE DAY
7										
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25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE # 1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111122222222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-71100 1-7900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS				OBSERVER J.O. SIMMONS/KRAMER	PARTY MGR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA O.K. LINE #2	STATE OK.	COUNTY JACKSON	DATE 4-8-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR - WINDY	LINE NO. 2	

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 ~	92 ~	
1	933	PULSE TEST	1			305	OUT	IN		RECORDER SET UP BETWEEN STAS 162+163
2	934-935	EINT	2							
3	936-939	DRD	4							
4	953-954	SUM TEST	2							
5	960-961	NRJ TEST	2							
6	932	SIMILARITY	1						50%	
7	033	WIND STRIP	1							CHECKING LINE. WIND PICKING UP, GUSTING TO 37 MPH.
8	034	189	91 - 186	1		305			70%	1-96 CORRELATION MADE ON FILE #034
9	035	192	94 - 189	4		306				E.O.T. #305 B.O.T. #306 FILE #900-10 SEC. ALONE'S
10										DOWN; DUE TO WIND, CAUSING TO MUCH NOISE ON LINE.
11										
12										
13										
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15										
16										
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21										
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25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE #1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 2222222 (CODE #2125)	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 3-91100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS	OBSERVER/S.O. SIMMONS/KRAMER	PARTY MGR.		LINE DIR. 1 TO 24 S → N	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OK. LINE #2	STATE OK.	COUNTY Jackson	DATE 4-9-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR	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 ~	
1	933	PHUSE TEST	1			306	Out	IN	RECORDER SET UP BETWEEN STA'S 162 & 163
2	934	FNIT	2						NOISE ON STA'S 114-138 DUE TO WORKING PUMPS IN OIL FIELD.
3	939	DRD	4						STA # 225 OPEN DUE TO BRIDGE.
4	954	SUM TEST	2						
5	961	NRJ TEST	2						
6	932	SIMILARITY	1					50%	
7	036	WIND STRIP	1						CHECKING LINE
8	SKIP	195	97					70%	VP'S 196 & 198 SKIPPED DUE TO HOUSES.
9	SKIP	198	100						STANDING BY FOR TRAFFIC
10	037	201	103						1-9% CORRELATION MADE ON FILE # 037. VP # 201 STACKED ON FIRST HALF
11	038	204	106						
12	039	207	109						
13	040	210	112			306			E.O.T. # 306
14	041	213	115			307			B.O.T. # 307. FILE # 900-10 SEC. ALL ONE'S
15	042	216	118						VP # 216 STACKED ON FIRST HALF
16	043	219	121						VP # 219 STACKED ON LAST HALF
17	044	222	124						
18	045	225	127						
19	046	228	130						STA # 225 OPEN DUE TO BRIDGE.
20	047	231	133			307			E.O.T. # 307
21	049	234	136			308			B.O.T. # 308. FILE # 048 WIND STRIP. FILE # 900-10 SEC. ALL ONE'S
22	050	237	139						RECORDER MOVED 1-9% CORRELATION MADE ON FILE # 049
23	051	240	142						RECORDER SET UP BETWEEN STA'S 213 & 214
24	052	243	145						VIB # 12667 DOWN DUE TO SEA LEAK
25	053	246	148						3 ROW SWEEPS (1 FOR DR. KAUFMAN, 2 FOR QUAL. CONTROL) MADE ON FILE # 053.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 HZ.		SWEEP PATTERN CODE # 1563		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP		PATCH PATTERN 1111222222221111 (CODE # 2125)			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-9100 1-4800	TYPE GEOPHONE ETH-EV22B	FREQUENCY 7.5 HZ.	STATION INTERVAL 330
REMARKS			OBSERVER SIMMONS/KRAMER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OK. LINE #2	STATE OK	COUNTY JACKSON	DATE 4-9-79
CREW NO. 6834	TERRAIN Flat	WEATHER CLEAR	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 ~	70 ~	
1	054	249	151-246	10	4	308	Out	IN	70%	
2	055	252	154-249	13		308				E.O.T. #308
3	SKIP	255	157-252	17		309				V.P. #255 SKIPPED DUE TO HOUSE
4	056	258	160-255	19						B.O.T. #309 FILE #900-10 SEC. HILONES
5	057	261	163-258	22						
6	058	264	166-261	25						V.P. #264 STACKED ON LAST HALF DUE TO BARN
7	059	267	169-266	28						
8	060	270	172-269	31						
9										FINISHED FOR THE DAY
10										
11										
12										
13										
14										
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16										
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18										
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.	SWEEP PATTERN CODE #1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	(CODE #2125)
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100 1-4900	TYPE GEOPHONE ETH-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 530'
REMARKS				OBSERVER / JO SIMMONS/KRAMER	PARTY MGR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT C.O.C.O.R.P.	AREA OK. LINE #2	STATE OK.	COUNTY JACKSON	DATE 4-12-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR	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 TEST	1			309	Out	IN		RECORDER SET UP BETWEEN STA'S 242+243
2	935	ETNI	2							Highway #62 crosses line between Sta's 275+276.
3	936	DRD	4							Sta. #240 - Directly under hold pattern for Air Base.
4	937	SUM TEST	2							Sta. #225 OPEN DUE TO BRIDGE
5	938	NRT TEST	2							
6	932	SIMILARITY	1						50%	
7	059	WIND STRIP	1						70%	CHECKING LINE
8	060	267	169		239					1-96 CORRELATION MADE ON FILE # 060.
9	061	270	172		2	309				E.O.T. # 309
10	062	273	175		5	310				B.O.T. # 310. FILE # 900-10 SEC. ALL ONE'S
11	SKIP	276	178		8					
12	063	279	181		11					
13	064	282	184		14					
14	065	285	187		17					
15	066	288	190		20					
16	067	291	193		23					
17	068	294	196		26	310				E.O.T. # 310
18	070	297	199		29	311				B.O.T. # 311. FILE # 069 WIND STRIP. FILE # 900-10 SEC. ALL ONE'S
19	071	300	202		32					1-96 CORRELATION MADE ON FILE # 070
20	072	303	205		35					
21	SKIP	306	208		38					V.P. # 306 SKIPPED DUE TO HOUSE DOWN DUE TO PROBLEM WITH RAIDO
22	073	309	211		41					V.P. # 309 SKIPPED ON LAST HALF DUE TO HOUSE
23	074	312	214		44					VIB # 14256 HAIDA PROBLEMS (FIXING NOW)
24	075	315	217		47					RECORDER MOVE
25	076	318	220		50					RECORDER SET UP BETWEEN STA'S

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 Hz.		SWEEP PATTERN CODE # 1463		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR ETL-EV22B	
FREQUENCY 7.5 Hz.		STATION INTERVAL 330'		LINE DIR. S. → N.	
REMARKS			OBSERVER / TO SIMMONS / KRAMER		PARTY MGR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT C.O.C.O.R.P.		AREA OK LINE #2		STATE OK		COUNTY JACKSON		DATE 4-16-79		
CREW NO. 6834		TERRAIN FLAT		WEATHER CLEAR - WINDY				LINE NO. 2		
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	75 DRIVE	
1933	PULSE TEST	1 - 6 SEC.				311	OUT	IN		RECORDER SET UP BETWEEN STAs 282 + 283
234-935	FNNT	2 - " "								Hiway #62. CROSSES LINE BETWEEN STAs 275 + 276
836-939	DRD	4 - " "								STAs 225 OPEN DUE TO BRIDGE
953-954	Sum TEST	2 - " "								STAs 240 - 310 DIRECTLY UNDER HOLD PATTERN FOR AIR BASE
960-961	NRS TEST	2 - " "								STAs 339 OPEN DUE TO CHURCH PARKING LOT.
932	SIMILARITY	1 - 22 SEC.		4					50%	
073	WIND STRIP	1 - 6 SEC.								CHECKING LINE (TRAFFIC HEAVY ON LINE)
074	309	211 - 306	1						70%	1-96 CORRELATION MADE ON FILE #074
075	312	214 - 309	4			311				V.P.#309 STACKED ON LAST HALF DUE TO HOUSE. E.O.T.#311
076	315	217 - 312	7			312				B.O.T.#312 FILE #900-10 SEC ALIEN'S
077	318	220 - 315	10							V.P.#318 STACKED ON LAST HALF DUE TO HOUSE
078	321	223 - 318	13							
079	324	226 - 321	16							
080	327	229 - 324	19							
081	330	232 - 327	22							
082	333	235 - 330	25							V.P.s #333 - 342 SKIPPED DUE TO TOWN OF FRIENDSHIP
083	336	238 - 333	28							
084	339	241 - 336	31							
085	342	244 - 339	34							
086	345	247 - 342	37							V.P.#345 STACKED ON LAST HALF DUE TO HOUSE
087	348	250 - 345	40			312				E.O.T.#312. V.P.#348 SKIPPED DUE TO HOUSE
088	351	253 - 348	43			313				B.O.T.#313 FILE #900-10 SEC ALIEN'S
089	354	256 - 351	46							
090	357	259 - 354	49							RECORDER MOVE
091	360	262 - 357	240							RECORDER SET UP BETWEEN STAs 334 + 335
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 1/2		SWEEP PATTERN CODE #1463		SWEEPS PER PATTERN 16		SWEEP PATTERNS PER SETUP		PATCH PATTERN 1111222222221111		CODE #2125
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 3-Y1100 1-Y900		TYPE GEOPHONE ETL-EV22B		FREQUENCY 7.5 Hz.		STATION INTERVAL 330'
REMARKS		OBSERVER J.S.O. SIMMONS/KRAMER		PARTY MGR.						

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT C.O.C.O.R.P	AREA OK LINE # 2	STATE OK	COUNTY JACKSON	DATE 4-16-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR - WINDY	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 ~	75 ~	
1	087	363	265-360	3	4	313	Out	IN	70%	
2	088	366	268-363	6						
3	089	369	271-366	9		313				E.O.T # 313: XXXXXXXXXX
4	091	372	274-369	12		314				B.O.T # 314 FILE # 900-10 SEC Allone's: FILE # 080 WINDSTRIP
5	092	375	277-372	15						1-96 CORRELATION MADE ON FILE # 091
6	SKIP	378	280-375	18						
7	SKIP	381	283-378	21						V.P's 378-387 SKIPPED DUE TO HOUSE'S + WATER WELLS
8	SKIP	384	286-381	24						
9	SKIP	387	289-384	27						
10	093	390	292-387	30						V.P # 390 STACKED ON LAST HALF DUE TO SCHOOL
11	094	393	295-390	33						RAW SWEEP MADE ON FILE # 094
12	095	396	298-393	36						
13	096	399	301-396	39						V.P # 399 STACKED ON LAST HALF DUE TO HOUSE
14										
15										FINISHED FOR THE DAY
16										
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23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE # 1463	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 3-4100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS			OBSERVER J.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA OK LINE #2	STATE OK	COUNTY JACKSON	DATE 4-17-79
CREW NO. 6834	TERRAIN FLAT	WEATHER OVERCAST - WINDY	LINE NO. 2	

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	PULSE TEST	1 - 6 SEC.				314	OUT	IN		RECORDER SET UP BETWEEN STAS 322 + 323
2	EINT	2 - " "								STA. 339 OPEN DUE TO CHURCH PARKING LOT
3	DRD	4 - " "								
4	SUM TEST	2 - " "								
5	NRS TEST	2 - " "				314				E.O.T. # 314
6	SIMILARITY	1 - 2.2 SEC.		5		315			50%	B.O.T. # 315 FILE # 900-10 SEC ALLONE'S
7	WIND STRIP	1 - 6 SEC.								CHECKING LINE
8	402	304 - 399	4	5					70%	1-96 CORRELATION MADE ON FILE # 098
9	405	307 - 402	7							
10	408	310 - 405	10							
11	411	313 - 408	13							V.P. # 411 STACKED ON FIRST HALF DUE TO HOUSE
12	414	316 - 411	16	4						V.P. 414 STACKED ON LAST HALF DUE TO HOUSE
13	SKIP	417	19							VIB # 4256 DOWN DUE TO BROKEN BOLTS ON SHAKER LEGS
14	420	322 - 417	22			315				V.P. # 417 SKIPPED DUE TO HOUSE; E.O.T. # 315
15	423	325 - 420	25			316				B.O.T. # 316 FILE # 900-10 SEC. ALLONE'S
16	426	328 - 423	28							
17	429	331 - 426	31							
18	432	334 - 429	34							
19	SKIP	435	37							V.P. # 435 SKIPPED DUE TO HOUSE
20	438	340 - 435	40							V.P. # 438 STACKED ON FIRST HALF DUE TO HOUSE
21	441	343 - 438	43							V.P. # 441 STACKED ON LAST HALF DUE TO WATER WELL.
22	444	346 - 441	46			316				E.O.T. # 316
23	447	349 - 444	49			317				B.O.T. # 317 FILE # 900-10 SEC. ALLONE'S
24										FINISHED FOR THE DAY; DUE TO RAIN + LIGHTING
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE # 1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-9100 1-4900	TYPE GEOPHONE FTL-EV22B	FREQUENCY 7.5. Hz	STATION INTERVAL 330'
REMARKS			OBSERVER J.S.O. Simmons/KRAMER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT C.O.CORP	AREA OKLINE #2	STATE OK	COUNTY JACKSON+KIOWA	DATE 4-20-79
CREW NO. 6834	TERRAIN	WEATHER OVERCAST	LINE NO. 2	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	DRIVE	
1	933	PULSE TEST	1			317	OUT	IN		RECORDER SET UP BETWEEN STAS 425 + 426
2	934	EINT	2							
3	936	DRD	4							
4	953	SUM TEST	2							
5	960	NRJ TEST	2							
6	932	SIMILARITY	1						50%	
7	112	WIND STRIP	1							CHECKING LINE
8	SKIP	450							70%	V.P.#450 SKIPPED DUE TO HOUSE
9	113	453	355 - 450	2	5					1-96 CORRELATION MADE ON FILE #113
10	SKIP	456	358 - 453	5						V.P.#456 SKIPPED DUE TO PIPELINE
11	114	459	361 - 456	8						
12	115	462	364 - 459	11						
13	116	465	367 - 462	14		317				E.O.T.#317
14	SKIP	468	370 - 465	17		318				B.O.T.#318 FILE #900-10SEC ALLONES
15	"	471	373 - 468	20						
16	"	474	376 - 471	23						V.P.s#468-483 SKIPPED DUE TO WALK ONLY PERMIT.
17	SKIP	477	379 - 474	26						LONG 90-ARONG.
18	"	480	382 - 477	29						WILL BE VIB. EVERY OTHER STA. UP TO STA.#494
19	SKIP	483	385 - 480	32						THEN BACK TO EVERY THIRD STA. TO BUILD STACK
20	117	486	388 - 483	35						THROUGH SKIP: V.P.#488 SKIPPED DUE TO HOUSE.
21	SKIP	488	390 - 485	37						V.P.#490 STACKED ON LAST HALF DUE TO HOUSE
22	118	490	392 - 487	39						LINE OFFSET: 132.5' OFFSET EAST BETWEEN STA 492 + 493
23	119	492	394 - 489	41	4					VIB#4256 DOWN DUE TO LIFT PROBLEMS.
24	120	494	396 - 491	43						
25	SKIP	497	399 - 494	46						V.P.#497 SKIPPED DUE TO HOUSE

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE#1563+1463	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE# 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100 1-1900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS			OBSERVER/ J.O.	PARTY MGR. SIMMONS/KRAMER	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT C.O.CORP	AREA OK LINE # 2	STATE OK	COUNTY JACKSON - KOWA	DATE 4-20-79
CREW NO. 6834	TERRAIN FLAT	WEATHER OVERCAST		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	121	500	402 - 497	49	4	318				LINE OFFSET, 1330' OFFSET EAST BETWEEN STA 500+501
2	122	503	405 - 500	11						RECORDER MOVE, RECORDER SET UP BETWEEN STA 466+467
3	SKIP	506	408 - 503	14						V.P.#506 SKIPPED DUE TO HOUSE
4	SKIP	509	411 - 506	17						V.P.#509 SKIPPED DUE TO BARN + WATER WELL.
5	123	512	414 - 509	20	4	318				E.O.T # 318
6	125	515	417 - 512	23	5	319				B.O.T # 319 FILE # 900-10SEC. ALONE'S. FILE # 124 WIND SERID
7	126	518	420 - 515	26						VIB.#14256 BACK IN LINE. 1-96 CORRELATION MADE ON FILE # 126
8	127	521	423 - 518	29						3 RAW SWEEPS MADE ON FILE # 127 (2 FOR QUALITY + 1 FOR DR. KAUFMAN)
9										
10										FINISHED FOR THE DAY
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE # 1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-9100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS			OBSERVER/S.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OK LINE# 2	STATE OK	COUNTY JACKSON-KIOWA	DATE 4-21-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR	LINE NO. 2	

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 ~	* 90 120 150	
1	933	PULSE TEST				319	OUT	IN		RECORDER SET UP BETWEEN STNS 497 + 498
2	34-935	EINT								
3	936-939	DRD								
4	953-954	Scm TEST								
5	960-961	NRJ TEST								
6	932	SIMILARITY		5					50%	
7	128	WINDSTRIP								CHECKING LINE
8	129	524	426-521	1	5				70%	1-96 CORRELATION MADE ON FILE #129
9	130	527	429-524	4		319				E.O.T.# 318
10	131	530	432-527	7		320				B.O.T.# 319 FILE# 900-10 SEC ALLONE'S
11	132	533	435-530	10						V.P.# 533 SKIPPED ON FIRST HALF DUE TO HOUSE.
12	133	536	438-533	13						
13	134	539	441-536	16						
14	135	542	444-539	19						
15	136	545	447-542	22						
16	137	548	450-545	25		320				E.O.T.# 320
17	138	551	453-548	28		321				B.O.T.# 321 FILE# 900-10 SEC ALLONE'S
18	139	554	456-551	32						
19	140	557	459-554	35						
20	141	560	462-557	38						
21	142	563	465-560	40						
22	SKIP	566	468-563	43						V.P.# 566 SKIPPED DUE TO HOUSE.
23	143	569	471-566	48	5					STA. 568 OPEN DUE TO CANAL
24	144	572	474-569	49	4	321				RECORDER MOVE. VIB# 12667 DOWN DUE TO TRANSMISSION PROBLEMS
25	145	575	477-572	1		322				RECORDER SET UP BETWEEN STAS 548-549 E.O.T.# 321 B.O.T.# 322 FILE# 900-10 SEC ALLONE'S

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE# 1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 11111 2 2 2 2 2 2 2 2 1 1 1 1	CODE# 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS			OBSERVER/S.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OK LINE #2	STATE OK	COUNTY JACKSON-KIOWA	DATE 4-21-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR	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 ~	80 ~	
1	146	578	480-575	4	4	322	OUT	IN	70%	1-96 CORRELATION MADE ON FILE #146
2	147	581	483-578	7						V.P.#578 OFFSET 91' NW. OF LINE. P.#581 OFFSET 150' N.W. OF LINE
3	148	584	486-581	10						3 RAW SWEEPS MADE ON FILE #148 2 (1-48+49-96) FOR QUALITY CONTROL. 15' DR. KAUFMAN
4	149	587	489-584	13						
5	150	590	492-587	16						
6										FINISHED FOR THE DAY
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE #1563	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 2222222 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-9100 1-4900	TYPE GEOPHONE ETK-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330
REMARKS			OBSERVER J.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OK LINE # 2	STATE OK	COUNTY KIOWA	DATE 4-22-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR		LINE NO. 2

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 DRIVE	
1 933	Pulse Test	1 - 6 SEC				322	OUT	IN		RECORDER SET UP BETWEEN STA'S 566+567
2 934-935	ETNT	2 - "								STA #568 OPEN DUE TO CANAL
3 936-939	DRD	4 - "								
4 943-954	Sum Test	2 - "								
5 960-961	NRJ	2 - "				322				E.O.T #322
6 932	Similarity	1 - 2.2 SEC.		4		323			50%	B.O.T #323 FILE #900-10 SEC ALLONE'S
7 151	WIND STRIP	1 - 6 SEC.								CHECKING LINE
8 152	593	495 - 590	1	4					70%	1-96 CORRELATION MADE ON FILE #152
9 153	596	498 - 593	4							
10 154	599	501 - 596	7							
11 155	602	504 - 599	10							
12 156	605	507 - 602	13							
13 157	608	510 - 605	16							
14 158	611	513 - 608	19			323				E.O.T #323
15 159	614	516 - 611	22			324				B.O.T #324 FILE #900-10 SEC ALLONE'S
16 160	617	519 - 614	25							
17 161	620	522 - 617	28							
18 162	623	525 - 620	31							
19 163	626	528 - 623	34							
20 164	629	531 - 626	37							
21 165	632	534 - 629	40			324				E.O.T #324
22 166	635	537 - 632	43			325				B.O.T #325 FILE #900-10 SEC ALLONE'S
23 167	638	540 - 635	46							
24 168	641	543 - 638	49							RECORDER MOVE
25 169	644	546 - 641	1							RECORDER SET UP BETWEEN STA'S 617+618

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 - 40 Hz	SWEEP PATTERN CODE #1463	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111 2222^x 2222 1111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 3-51100 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS			OBSERVER / J.O. RICHARDS / KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OK LINE #2	STATE OK	COUNTY KIOWA	DATE 4-22-79
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR		LINE NO. 2

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	STOP	
1	170	647	549 - 644	4	4	325	OUT	IN	70%	
2	171	650	552 - 647	7						
3	172	653	555 - 650	10		325				E.O.T. #325
4	174	656	558 - 653	13		326				B.O.T. #326; FILE #900-10 SEC ALLOGES (FILE #173 WIND STRIP)
5	175	659	561 - 656	16						1-96 CORRELATION MADE ON FILE #175
6	176	662	564 - 659	19						RAW SWEEP MADE ON FILE #176
7	177	665	567 - 662	22						
8	178	668	570 - 665	25						
9	179	671	573 - 668	28						
10	180	674	576 - 671	31		326				E.O.T. #326
11	181	677	579 - 674	34		327				B.O.T. #327 FILE #900-10 SEC ALLOGES
12	SKIP	680	582 - 677	37						E.O.T. #327
13										
14										
15										FINISHED FOR THE DAY
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE #1463	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE #2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 3-11100 1-1900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS				OBSERVER/SO. RICHARDS/KRAMER	PARTY MGR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OK LINE #2	STATE OK	COUNTY KIOWA	DATE 5-15-79
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER CLEAR - WINDS	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 ~	
1 933	PULSE	1 - 6 SEC.				376	OUT	IN	RECORDER SET UP BETWEEN STA'S 656 + 657
934-935	FIINT	2 - "							MOVE FROM LINE #5 TO LINE #2 Laying out LINE.
936-939	DRD	4 - "							LINE CROSSES HIWAY #9 BETWEEN STA' 674 + 675
953-954	SUM TEST	2 - "							
960-961	NRS	2 - "							
6 932	Similarity	1 - 2.2 SEC		5					50%
7 182	WIND STRIP	1 - 6 SEC.							CHECKING LINE
8 183	683	585 - 680	1	5					70% 1-96 CORRELATION MADE ON FILE #183
9 184	686	588 - 683	4						WIND PICKING UP - GUSTING.
10 185	689	591 - 686	7						
11 186	692	594 - 689	10			376			E.O.T. #376
12 187	695	597 - 692	13			377			B.O.T. #377 FILE #900 - 10 SEC. ALLONE'S
13 188	698	600 - 695	16						
14 189	701	603 - 698	19						3 RAW SWEEPS MADE ON FILE #189 2 FOR QUALITY CONTROL; 1 FOR DR. KAUFMAN.
15 190	704	606 - 701	22						
16 191	707	609 - 704	25						
17	707	609 - 704	25						FINISHED FOR THE DAY
18	707	609 - 704	25						
19	707	609 - 704	25						
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.	SWEEP PATTERN CODE # 5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 1111222222221111	CODE # 2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100 1-1900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS			OBSERVER/S.O. SIMMONS/KRAMER	PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OKLINE #2	STATE OK	COUNTY KIOWA	DATE 5-16-79
CREW NO. 68324	TERRAIN FLAT DIRT ROAD	WEATHER CLEAR - WINDY	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 ~	30 ~	
1	933	PULSE				377	WT	EN		RECORDER SET UP BETWEEN STA' 680-681
2	934-935	EINT								
3	936-939	DRD								
4	953-954	SUMTEST								
5	960-961	NRS								
6	932	SIMILARITY		4		377			50%	VIB #12666 DOWN; NO DRIVE UNIT E.O.T. #377 B.O.T. #378 FILE #900-10 SEC. ALIEN'S
7	192	WIND STRIP				378				CHECKING LINE VIB #12666 BACK IN LINE; MADE SIMILARITY 2 VIBS, PAPER MONITOR ONLY.
8	193	710	612 - 707	4	5				70%	1-96 CORRELATION MADE ON FILE #193
9	SKIP	713	615 - 710	7						V.P. #713 SKIPPED DUE TO HOUSE.
10	194	716	618 - 713	10						
11	195	719	621 - 716	13						
12	196	722	624 - 719	16						
13	197	725	627 - 722	19						
14	198	728	630 - 725	22		378				E.O.T. #378
15	199	731	633 - 728	25		379				B.O.T. #379 FILE #900-10 SEC. ALIEN'S
16	200	734	636 - 731	28						
17	201	737	639 - 734	31						
18	202	740	642 - 737	34						
19	203	743	645 - 740	37						
20	204	746	648 - 743	40						WIND PICKING UP, GUSTING.
21	205	749	651 - 746	43		379				E.O.T. #379
22	207	752	654 - 749	46		380				B.O.T. #380 FILE #900-10 SEC. ALIEN'S FILE #206 WIND STRIP
23	208	755	657 - 752	49						RECORDER MOVE
24	209	758	660 - 755	4						RECORDER SET UP BETWEEN STA' 728+729
25	210	761	663 - 758	7						1-96 CORRELATION AND RAW SWEEP MADE ON FILE #210; FINISHED FOR THE DAY

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40 Hz	SWEEP PATTERN CODE #5163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 11112222221111	CODE #2125
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4100 1-4900	TYPE GEOPHONE ELTEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS			OBSERVER 130. SIMMONS / KRAMER RICHARDS	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT CoCORP	AREA OK.	STATE OK.	COUNTY KIOWA	DATE 5-17-79
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER windy	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 DRIVE	
1 933	Pulse	1-6 SEC				380	out	IN		RECORDER SET UP BETWEEN STAS #727+728
2 934-935	E1NT	2- "								
3 936-939	DRD	4- "								
4 943-954	SUM	2- "								
5 960-961	NRS	2- "								
6 932	Similarity	1- 22 SEC		5					50%	
7 211	Windstrip	1- 6 SEC				380				CHECKING LINE: E.O.T.#380; B.O.T.#381; FILE#900-1056 - ALONE'S
8 212	764	666-761	11	5		381			70%	1-96 CORRELATION MADE ON FILE #212
9 213	767	669 - 764	14							RAW SWEEP MADE ON FILE #214
10 214	770	672 - 767	17							
11 215	773	675 - 770	20							
12 216	776	678 - 773	23							
13										FINISHED FOR THE DAY. DOWN DUE TO PERMIT PROBLEMS:
14										
15										E.O.T.#381 END OF OK PROGRAM.
16										MOVE TO MINNESOTA.
17										
18										
19										
20										
21										
22										
23										
24										
25										

E.O.L.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 - 22 sec		SWEEP PATTERN Code 5163		SWEEPS PER PATTERN 16	
SWEPT PATTERNS PER SETUP		PATCH PATTERN		111122222221111 Code 2125	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100 1-900	TYPE GEOPHONE EV 22-B	FREQUENCY 7.5	STATION INTERVAL 330'
REMARKS			OBSERVER SIMMONS/KRAMER RICHARDS	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT CDCORP	AREA OKLAHOMA	STATE OK	COUNTY Kiowa	DATE 9-25-80
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER CLEAR-WINAY	LINE NO. 2A	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse				045				
2	934-935	EINT								
3	940-943	DRD								
4	953-954	SUM TEST								
5	960-961	NRS								
6	932	Similarity								
7	001	79	1	4						1st Test
8	002	82	4							1st test
9	003	Wind Strip								
10	004	85	7			045				1st. Test
11	005	88	10			046				2nd test
12	006	91	12							2nd Test
13	007	94	15							3rd Test
14	008	WIND STRIP								
15	009	102	4			046				3rd Test
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-40	SWEEP PATTERN	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP	PATCH PATTERN 111111229122111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES	TYPE VIBRATOR 4-41100 1-4900	TYPE GEOPHONE EV22B	FREQUENCY 8 40 7.5 Hz	STATION INTERVAL 330'
REMARKS	OBSERVER		PARTY MGR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc. 2

CLIENT COCORP	AREA OKLAHOMA	STATE Ok.	COUNTY KIOWA	DATE 9-30-80
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER OVERCAST		LINE NO. # 2A

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				047	OUT	IN		RECORDER SET UP BETWEEN STA'S # 72 & 73
2	934 935	E. INT.								EXTREME LEAKAGE ON LINE DUE TO SEVERAL PRIOR
3	936 939	D.R.D								DAYS OF RAIN.
4	953 954	SUM TEST								
5	960 961	N.R.J. TEST.								
6	932	SIMILARITY		4					50%	
7	010	WINDSTRIP								CHECKING LINE
8	011	80	1	4					70%	SHUT DOWN DUE TO EXTREME LEAKAGE
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.
SWEEP FREQUENCY 8-40 Hz./26 sec.		SWEEP PATTERN	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111111221 x 122111111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100'S 1-1900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE		42 SEC. RECORD LENGTH		OBSERVER/P.M.T. MENDILOLA / SHABELDEEN	PARTY MGR. L. DAVIS

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OKLAHOMA	STATE Ok.	COUNTY KIOWA/WASHITA	DATE 10-1-80
CREW NO. 6834	TERRAIN FLAT-DIRT ROAD	WEATHER CLEAR	LINE NO. 2A	

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				047	OUT	IN		RECORDER SET UP BETWEEN STA'S #71 & 72
2	934-935	E. INT.								
3	936-939	D. R. D.								
4	953-954	SUM TEST								
5	960-961	N. R. J. TEST								
6	932	SIMILARITY		4					50%	
7	012	WINDSTRIP								CHECKING LINE
8	013	83	1	4					70%	1-96 CORRELATION MADE ON FILE # 013
9	014	86	1						70%	
10	015	89	1						70%	
11	016	92	1						70%	
12	017	95	1			047			70%	E.O.T. 047
13	SKIP	98	1			049				B.O.T. 049 FILE 900: 10 SEC. ALL I'S
14	019	99	1						50%	WINDSTRIP MADE ON FILE # 018; TAPE RL. # 048 USED FOR
15	020	102	4						70%	MONTHLY TESTS. SKIP OF STA. 99 DUE TO HOUSE
16	021	105	7						50%	FIRST HALF; STA. 107: WATER WELL
17	022	108	10						50%	LAST HALF DUE TO WELL; STA. 111: KIOWA COUNTY
18	023	111	13						70%	STA. 112: WASHITA COUNTY.
19	024	114	16						70%	
20	025	117	19						70%	E.O.T. 049
21	026	120	22			049			70%	B.O.T. 050 FILE # 900: 10 SEC. ALL I'S
22	028	123	25			050			70%	WINDSTRIP MADE ON FILE # 027; 1-48 RAW SWEEP
23	029	126	28						70%	MADE FROM FILE # 028
24	SKIP	129	31							VIB'S MAKING 1 st 1-MILE GO AROUND; 1-96 CORRELATION
25	SKIP	132	34							MADE FROM FILE # 029; VIB'S MAKING 2 nd GO AROUND;

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 111111221 x 122111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 ms SAMPLE RATE	42 sec. RECORD LENGTH	OBSERVER/PMT. MENDIOLA/SHARELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S → N	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division**
Geosource Inc. 4

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY KIOWA/WICHITA	DATE 10-1-80
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER CLEAR		LINE NO. 10-1-80

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	030	135	37	4		050	OUT	IN	70%	ERRATIC NOISES ON STATIONS #44 & 87: SOURCE UNKNOWN
2										FINISHED FOR THE 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 8-40 Hz./26 sec.		SWEEP PATTERN 4/163		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 111111221 x 122111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4/1100's 1-4/900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE 42 SEC. RECORD LENGTH			OBSERVER / R.M.T. MEDIDLA / SHABELDEEN	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
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Geosource Inc.

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-2-80
CREW NO. 6834	TERRAIN FLAT DIRT ROAD	WEATHER CLEAR & WINDY		LINE NO. 2A

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				050	OUT	IN		RECORDER SET UP BETWEEN STA.'S
2	934-935	E. INT.								OPERATING TRACTOR & HIGH LINES CREATING
3	936-939	D. R. D.								NOISE ON STA.'S 62-64.
4	953-954	SUM TEST								ADJUSTING FILTERS IN MDS-10 PREAMP UNITS (1-96)
5	960-961	N. R. J. TEST								WHILE CHECKING LINE.
6	932	SIMILARITY		4					50%	
7	031	WINDSTRIP								CHECKING LINE; 1 MILE OFFSET AT STA. 143-144
8	032	138	40	135	1	4			40%	1-96 CORRELATION MADE FROM FILE # 032.
9	033	141	43	138	4		050		40%	40% DRIVE DUE TO BLACKTOP ROAD; E.O.T. 050
10	035	144	46	141	7		051		40%	B.O.T. 051 FILE 900: 10 SEC. ALL 1'S.
11	036	147	49	144	10				40%	WINDSTRIP MADE ON FILE 034.; LAST HALF ON STA. 147
12	037	150	52	147	13				40%	FIRST HALF DUE TO FARM HOUSE
13	038	153	55	150	16				40%	BECOMING WINDIER DURING AFTERNOON HOURS.
14	039	156	58	153	19				40%	
15	040	159	61	156	22				40%	
16	041	162	64	159	25				70%	TRACTOR OPERATING NEAR STA 152 CREATING NOISE.
17	042	165	67	162	28		051		70%	E.O.T. 051
18	044	168	70	165	31		052		70%	B.O.T. 052 FILE 900: 10 SEC. ALL ONES
19	045	171	73	168	33				70%	WINDSTRIP MADE ON FILE 043
20										STANDING BY DUE TO DAMAGED CABLES & GEOPHONES -
21										CUT & DRAGGED DOWN THE ROAD BY FARM EQUIPMENT.
22										
23										FINISHED FOR THE DAY
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- Y1100's 1-Y900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42 SEC. RECORD LENGTH	OBSERVER / P.M.T. MENDIOLA / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S. → N.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc. 6

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-3-80
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR		LINE NO. 2A

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.			052	OUT	IN		RECORDER SET UP BETWEEN STA'S 143 & 144
2	934-935	E. ZNT.	2- " "							
3	936-939	D. R. D.	4- " "							
4	953-954	SUN TEST	2- " "							
5	960-961	N. R. J. TEST	2- " "							
6	933	SIMILARITY	1-22 sec.	4					50%	SIMILARITY MADE ON FILE # 933
7	046	WINDSTRIP	1-6 sec.							CHECKING LINE: TRYING TO LOCATE CUT CABLE IN BACK
8	047	174	76-171	5	4				70%	1-96 CORRELATION MADE ON FILE # 047
9	048	177	79-174	5					70%	FILE # 048 RECORDED WITH CDP ON 5 (NEED CDP OF 8)
10	049	180	82-177	11					70%	STANDING BY: #12667 TEMPORARILY DOWN.
11	050	183	85-180	14		052			70%	E.O.T. 052.
12	052	186	88-183	17		053			70%	B.O.T. 053, FILE 900: 10 SEC. ALL I'S.
13	053	189	91-186	20					40%	WINDSTRIP MADE ON FILE 052.; STA. 189 @ 40% &
14	SKIP	192	94-189	23						ON LAST HALF DUE TO FARM HOUSE. PAVED ROAD FROM
15	054	195	97-192	26					40%	STA. 189-208: VIBRATING IN DITCH ALONG ROADSIDE.
16	055	198	100-195	29					40%	STA. 192 SKIPPED DUE TO WATER WELL; STA 198 ON
17	056	201	103-198	32					40%	THE FIRST HALF DUE TO HOUSE.
18	057	204	106-201	35					40%	1/4 MILE OFFSET BETWEEN STA'S 208-209.
19	058	207	109-204	38					40%	
20	059	210	112-207	41		053			40%	LAST HALF; E.O.T. 053
21	061	213	115-210	44		054			40%	B.O.T. 054 FILE 900: 10 SEC. ALL I'S; WINDSTRIP
22	062	216	118-213	28					70%	MADE ON FILE 060.; RECORDER MOVING UP TO
23	063	219	121-216	31					70%	STA'S 162 & 163. CHECKING LINE
24										
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 4/63	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'S 1-Y900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42 RECORD LENGTH	OBSERVER / J.M.T. MENDIOLA / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. TO 24 S. → N.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc.

CLIENT COCORP	AREA OKLAHOMA	STATE Ok.	COUNTY WASHITA	DATE 10-4-80
CREW NO. 6834	TERRAIN FLAT	WEATHER CLEAR & WINDY	LINE NO. 2A	

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.				054	OUT	IN		RECORDER SET UP BETWEEN STR.'S #195 & 196
2	934-935 E. INT.	2- " "								
3	936-939 D.R.D.	4- " "								
4	953-954 SUM TEST	2- " "								
5	960-961 N.R.J.	2- " "								
6	932 SIMILARITY	1-22 SEC.		5					50%	
7	064 WINDSTRIP	1-6 SEC.								CHECKING LINE
8	065 222	124-219	1						70%	1-96 CORRELATION MADE FROM FILE # 065
9	066 225	127-222	4			054			70%	E.O.T. 054
10	068 228	130-225	7			055			70%	B.O.T. 055 FILE 900: 10 SEC. ALL I'S
11	069 231	133-228	10						70%	WINDSTRIP MADE ON FILE 067.
12	070 234	136-231	13						70%	
13	071 237	139-234	16						70%	
14	072 240	142-237	19						50%	50% DUE TO GAS PIPELINE AT STR. #241
15	073 243	145-240	22						70%	
16	074 246	148-243	25						40%	40% DRIVE DUE TO WATER WELL AT STR. 247 1/2
17	075 249	151-246	28			055			70%	E.O.T. 055
18	077 252	154-249	31			056			70%	B.O.T. 056 FILE 900: 10 SEC. ALL I'S
19										WINDSTRIP MADE ON FILE 076.
20										1-96 CORRELATION (1) & 2 (1-48 & 49-96) RAW SWEEPS: FILE 077
21										ELECTRIC TRANSFORMER BETWEEN STR.'S 175 & 176
22										CREATING TREMENDOUS LEAKAGE (60 Hz.) IN BACK PORTION
23										OF THE LINE
24										
25										FINISHED FOR THE DAY.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-40 Hz. / 26 Hz.	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's 1-Y900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42 SEC. RECORD LENGTH.	OBSERVER / P.M.T. MENDIOLA / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S. → N.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc. 8

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-27-80
CREW NO. 6834	TERRAIN UNDULATING PLAINS	WEATHER CLEAR & WINDY	LINE NO. 2R	

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				056	OUT	IN		RECORDER SET UP BETWEEN STA. 228 & 229
2	934/935	E.I.N.T								EXTREMELY WINDY (VELOCITY ≈ 10-20 MPH.)
3	936/939	D.R.D.								
4	953/954	SUM TEST								
5	960/961	N.R.J.								
6	932	SIMILARITY		5					50%	
7	078	WINDSTRIP								CHECKING LINE
8	079	255	157-252	1					70%	1-96 CORRELATION MADE FROM FILE # 079.
9	080	258	160-255	4		056			70%	WINDSTRIP MADE ON FILE # 081; E.O.T. 056
10	082	261	163-258	7		057			70%	B.O.T. 057, FILE 900, 10 SEC. : ALL I'S
11	083	264	166-261	10					70%	
12	084	267	169-264	13					70%	WIND VELOCITY INCREASING (25-32 MPH.)
13	085	270	172-267	16					70%	
14	086	273	175-270	19					70%	
15	087	276	178-273	22					70%	E.O.T. 057
16	088	279	181-275	25		057			70%	B.O.T. 058, FILE # 900, 10 SEC. : ALL I'S
17	090	282	184-279	28		058			70%	WINDSTRIP MADE ON FILE # 089.
18	091	285	187-282	31					70%	
19	SKIP	288	190-285	34						SKIP DUE TO WATER WELL.
20	092	290	192-287	36					50%	
21	093	293	195-290	39					70%	
22	094	296	198-293	42					70%	(2) RAW SWEEPS MADE FROM FILE # 094
23	095	299	201-296	45					70%	(1-48)
24	096	302	204-299	48		058			50%	DUE TO HOUSE.
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 1221x1221	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 MS. SAMPLE RATE	42 SEC. RECORD LENGTH	OBSERVER / PMT. WORSHAM / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S. → N.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-28-80
CREW NO. 6834	TERRAIN HIGH PLAINS ON DIRT ROAD	WEATHER OVERCAST & COLD; WINDY		LINE NO. 2A

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				059	OUT	IN		B.O.T. 059, FILE 900: 10 SEC. ALL I'S
2	934 935	E. INT.								RECORDER SET UP BETWEEN STA. 279 & 280.
3	936 939	D.R.D.								STATE HWY. 152 CROSSING LINE BETWEEN 304 & 305:
4	953 954	SUM TEST								NOISE DUE TO TRAFFIC. WIND VELOCITY 5-10 MPH.
5	960 961	N.R.T. TEST								
6	932	SIMILARITY		5					50%	
7	097	WINDSTRIP								CHECKING LINE;
8	098	306	208-303	1					50%	LAST HALF DUE TO HOUSE ON STA. 305; 1-96 CORRELA-
9	099	309	211-306	4					70%	TION MADE FROM FILE # 098.
10	100	312	214-309	7					70%	
11	101	315	217-312	10					70%	
12	102	318	220-315	13		059			70%	E.O.T. 059
13	104	321	223-318	16		060			70%	B.O.T. 060 FILE 900, 10 SEC.: ALL I'S
14	105	324	226-321	19					70%	WINDSTRIP MADE ON FILE # 103
15	106	327	229-324	22					70%	
16	107	330	232-327	25					70%	
17	108	333	235-330	28					70%	
18	109	336	238-333	31					70%	VIB # 14256: TEMPORARILY DOWN
19	110	339	241-336	34	4	060			50%	FIRST HALF: DUE TO HOUSE; E.O.T. 060
20	112	342	244-339	37	5	061			70%	B.O.T. 061, FILE 900: 10 SEC.: ALL I'S
21	113	345	247-342	40					70%	WINDSTRIP MADE ON FILE # 112. RAW RECORD MADE (1-48)
22	114	348	250-345	43					50%	FROM FILE # 112.; FIRST HALF FOR 348 DUE TO HOUSE.
23	115	351	253-348	22	4				50%	RECORDER MOVING UP TO STA. 303 & 304; STA'S 253-
24	116	354	256-351	25	4				70%	273 DEAD: PULLED UP BY FARM EQUIPMENT.
25	117	357	259-354	28	4					VIB. # 12667: DOWN TEMPORARILY.

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-YHOOS 1-1900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42 SEC. RECORD LENGTH	OBSERVER / INT WORSHAM / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S → N.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Petty-Ray Geophysical
Division**
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CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-28-80
CREW NO. 6834	TERRAIN HIGH PLAINS - ON DIRT ROAD	WEATHER CLEARING & COLD ; WINDY (5-10 MPH)	LINE NO. 2A	

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	360	262-357	31	4		061	OUT	IN	70%	RECORDER SET UP BETWEEN STA.'S 303 & 304
2										E.O.T. 061
3										FINISHED FOR THE DAY.
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
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TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8.40 Hz / 2 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-V1100'S 1-V900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4msec SAMPLE RATE 42sec RECORD LENGTH.		OBSERVER / P.M.T. WORSHAM / SHABELDEEN		PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-29-80
CREW NO. 6834	TERRAIN HIGH PLAINS, ON DIRT ROAD	WEATHER CLEAR & COLD	LINE NO. 2A.	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F L T E R			REMARKS
							LOCUT	60 ~	AMP DRIVE	
1	933	PULSE				062	OUT	IN		B.O.T. 062, FILE 900: 10 SEC. ALL 1'S
2	934 935	E. INT.								RECORDER SET UP BETWEEN STA'S 336 & 337.
3	936 939	D.R.D.								HIGH LINE INTERSECTS LINE @ #336 & CONTINUES
4	953 954	SUM TEST								NORTHWARD ALONG LINE.
5	960 961	N.R.T.								
6	932	SIMILARITY		5						50%
7	119	WINDSTRIP								CHECKING LINE
8	120	363	265-360	1	5					70% PAVED ROAD FROM STA'S 353-447: VIB. SHAKING ON SHOULDER
9	121	366	268-363	4						70% OF ROAD DUE TO COMMISSIONER'S RESTRICTIONS.
10	122	369	271-366	7						50% FIRST HALF DUE TO HOUSE
11	123	372	274-369	10		062				50% LAST HALF; E.O.T. 062
12	SKIP	375	277-372	13		063				STA'S 375-378 SKIPPED DUE TO WATER WELL & HOUSE.
13	125	379	281-376	17						50% LAST HALF; B.O.T. 063 FILE 900: 10 SEC. ALL 1'S
14	126	382	284-379	20						50% WINDSTRIP MADE ON FILE # 124; STA 382 ON LAST HALF
15	127	385	287-382	23						70% LAST HALF DUE TO HWY. INTERSECTION
16	128	388	290-385	26	5					70%
17	129	391	293-388	29	4					50% LAST HALF DUE TO HOUSE; VIB. #12667 TEMPORARILY
18	130	394	296-391	32						70% DOWN.
19	131	397	299-394	35		063				50% FIRST HALF: DUE TO BARN & WATER WELL; E.O.T. 063
20	SKIP	400	302-397	38		064				B.O.T. 064 FILE 900: 10 SEC. ALL 2'S;
21	133	402	304-399	40						50% WINDSTRIP MADE ON FILE # 132.
22	134	405	307-402	43	4					70%
23	135	408	310-405	46	5					50% FIRST HALF DUE TO BRIDGE ON STA. 409; VIB MAKING
24	SKIP	411	313-408	7						~15 mile GO-AROUND. RECORDER MOVING UP TO STA 378 &
25	136	413	315-410	9						379; STA. 411 SKIPPED DUE TO NARROW SHOULDER.

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-Y 1100's 1-Y 900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 ms. SAMPLE RATE		42 SEC. RECORD LENGTH.		OBSERVER / P.M.T. WORSHAM / SHABELDEEN	PARTY MGR. L. DAVIS

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Petty-Ray Geophysical
Division
Geosource Inc. 12

CLIENT COCORP	AREA OKLAHOMA	STATE OK	COUNTY WASHITA	DATE 10-29-80
CREW NO. 6834	TERRAIN HIGH PLAINS; ON PAVED ROAD	WEATHER CLEAR	LINE NO. 2A	

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	SKIP 416	318-413	12	5		064	OUT	IN	—	#416 SKIPPED DUE TO HOUSE & WATER WELL.
2	137 419	321-416	15	5					50%	VIB. # 14256 TEMPORARILY DOWN.
3	138 422	324-419	18	4					70%	
4	139 425	327-422	21	5		064			50%	FIRST HALF : DUE TO WATER WELL. E.O.T. 064
5						065				B.O.T 065 FILE 900: 10 SEC. ALL I'S ;
6										WINDSTRIP MADE ON FILE 140.
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8										FINISHED FOR THE DAY.
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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 111111221 x 122111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V900's 1-V900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4 m/sec SAMPLE RATE 42 RECORD LENGTH	OBSERVER WORSHAM / SHABELDGEN	PARTY MGR. L. DAVIS			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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

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CLIENT COCORP	AREA OKLAHOMA	STATE OK.	COUNTY WASHITA	DATE 10-30-80
CREW NO. 6834	TERRAIN HIGH PLAINS	WEATHER CLEAR & COLD		LINE NO. 2A

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				065	OUT	IN		RECORDER SET UP BETWEEN STA'S 400 & 401.
2	934	E. INT.								Hwy. INTERSECTS LINE BETWEEN STA'S 384 & 385
3	935	D.R.D.								STA. 439 OPEN DUE TO BRIDGE.
4	936	SUM TEST								STA. 426 TO STA. 440 SKIPPED TO NARROW SHOULDERS & NOT ALLOWED TO VIBRATE ON BLACK TOP
5	937	N.R.J. TEST								
6	932	SIMILARITY		5					50%	ELECTRIC FENCE @ STA. 371.
7	141	WINDSTRIP								CHECKING LINE. ; HIGH POWER LINES FROM STA. 335 TO E.O.L.
8	142	441	343-438	16	5				30%	LAST HALF DUE TO WATER WELL; STA. 441 VIBRATED
9	SKIP	442	344-439	16						WITH CDP OFF L. ; STA. 443 SKIPPED : HOUSE & WATER WELL.
10	143	443	345-440	17					30%	LAST HALF
11	144	444	346-441	18					30%	STA'S 441-446 @ 30% DUE TO HOUSES & WATER
12	145	445	347-442	19					30%	WELLS. STA. 447 SKIPPED DUE TO HWY. INTERSECTION.
13	146	446	348-443	20						
14										FINISHED FOR THE DAY.
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E.O.L. # 2A.

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-V1100's 1-4900	TYPE GEOPHONE ETL-EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. SAMPLE RATE	42sec. RECORD LENGTH	OBSERVER / PNT. WORSHAN / SHABELDEEN	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 S. → N.	