

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>CLUSTER</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	DATE <b>12-12-80</b>
			LINE NO. <b>8</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				133	OUT	IN		Recorder set AT 73-74
2	934/935	FINT								BOT # 133 #900 10sec All ones
3	936/939	DRD								*57 Dead due TO Bridge #98 Dead due TO INTERSECTION.
4	953/954	Sum test								LOT OF TRAFFIC Along Line. Hwy 183 very Busy.
5	960/961	N.P.J. TEST								
6	932	Sim. Latit	1 - 26 sec	225	5				50%	
7	001	wind strip	1 - 6 sec							
8	002	1	4 - 99	3	4				50%	*1 stacked 1st half vib #14256 Temp Down
9	SKIP	4	7 - 102	6					SKIP	*4 SKIP due TO houses
10	003	5	8 - 103	7	5				50%	*5 stacked Last half. vib #14256 Back on Line.
11	004	8	11 - 106	10					50%	
12	SKIP	11	14 - 109	13					SKIP	*11, 14, +12 All skip due TO houses + water wells.
13	005	18	21 - 116	20					50%	*18 stacked Last half
14	006	21	24 - 119	23		133			70%	EOT #133 Tape MKTs.
15	008	24	27 - 122	26		134			70%	BOT #134 #900 10sec All ones *007 6 sec wind strip
16	009	27	30 - 125	29					70%	
17	010	30	33 - 128	32					70%	
18	SKIP	33	36 - 131	35					SKIP	*33 skip due TO pipe Line.
19	011	35	38 - 133	37					50%	*35 stacked Last half
20	SKIP	38	41 - 136	40					SKIP	*38 skip due TO water well. *41 skip due TO houses
21	SKIP	39	42 - 137	41					SKIP	
22	012	44	47 - 142	46					50%	
23	013	47	50 - 145	49					70%	
24	014	50	53 - 148	27		134			70%	EOT #134 Tape MKTs Moved Recorder TO 98-99
25	016	53	56 - 151	30		135			70%	BOT #135 #900 10sec All ones *015 6 sec wind strip

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	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y-1100	
REMARKS 4 ms sample rate / 42 sec Record length		TYPE GEOPHONE 1-Y-900		FREQUENCY 7.5 Hz	
OBSERVER R. Patten / J. Wings		PARTY MGR. L. Davis		STATION INTERVAL 330'	
				LINE DIR. 1 TO 24 S → N	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services** 2  
**Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>Custer</b>	DATE <b>12-12-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>		LINE NO. <b>8</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	56	59 - 154	33	5		135	OUT	IN	70%	#56 stacked 1st half.
2	59	62 - 157	36						70%	
3	62	65 - 160	39						SKIP	#62 skip due to water well.
4	65	68 - 163	42						70%	
5	68	71 - 166	45						70%	
6										Finished For The Day.
7										
8										
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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  
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CLIENT COCORP	AREA OKLA	STATE OKLA.	COUNTY Custer	DATE 12/13/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Partly Cloudy + Windy	LINE NO. 8	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1- 6sec.				135	OUT	IN		Recorder set up at 145-146
2	<del>934</del> <del>935</del> EINT	2- " "								#98 Dead due to Intersection.
3	<del>936</del> <del>939</del> D.R.D	4- " "								Lot of traffic along line
4	<del>953</del> <del>954</del> Sum test	2- " "								Other seismic crews working in area.
5	<del>960</del> <del>961</del> N.R.T. test	2- " "								*Vib #14256 Down ALT Froze up on Back Engine.
6	932 Similarity	1- 26sec	225	4		135			50%	EOT #135 Tape MKTs.
7	021 Wind Strip	1- 6sec.	1			136				Bot #136 #900 10sec All ones. Checking line.
8	022 71	74 - 169	1	4					70%	CORR 1-96
9	023 74	77 - 172	4						70%	
10	024 77	80 - 175	7						50%	#77 stacked 1st half
11	SKIP 80	83 - 178	10							SKIP #80 skip due to water well wind picking up.
12	025 81	84 - 179	11						50%	#81 stacked last half.
13	026 84	87 - 182	14						70%	
14	027 87	90 - 185	17						70%	
15	028 90	93 - 188	20			136			70%	EOT #136 Tape MKTs.
16	030 93	96 - 191	23			137			70%	Bot #137 #900 10sec All ones #029 6sec windstrip.
17	SKIP 96	99 - 194	26							SKIP #96 skip due to pipe line
18	031 97	100 - 195	27						70%	#97 stacked 1st half.
19	032 100	103 - 198	30						70%	
20	033 103	106 - 201	33						70%	
21	034 106	109 - 204	36						70%	
22	035 109	112 - 207	39						70%	
23	036 112	115 - 210	42			137			50%	#112 stacked first half EOT #137 Tape MKTs.
24	SKIP 115	118 - 213	45							SKIP #115 skip due to house's. #118 Bot #138 #900 10-
25	038 118	121 - 216	48			138			50%	sec All ones #037 6sec windstrip #118 stack last half

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40Hz / 26sec.	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111122222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS Hrs. Sample Rate / 42 sec. Record Length	OBSERVER R. Patton / T. Wingo	PARTY MGR. J. Davis	LINE DIR. 1 TO 24 S → N	PAGE 1 OF	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
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CLIENT <b>COCORP</b>	AREA <b>OKLA.</b>	STATE <b>OKLA.</b>	COUNTY <b>Custer</b>	DATE <b>12/14/80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>8</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				138	OUT	IN		Recorder set up at 195-196
2	<del>934</del> 935 EINT	2- " "								LOT OF TRAFFIC Along line Pipe line Compressor
3	<del>936</del> 939 D.R.D.	4- " "								AT 201-202
4	<del>953</del> 954 Sumtest	2- " "								
5	<del>960</del> 961 A.R.T. test	2- " "								
6	932 Similarity	1-26sec.	225	5					50%	
7	039 Wind Strip	1-6sec.	1							Checking line
8	040 121	124-219	1						70%	
9	041 124	127-222	4						70%	
10	042 127	130-225	7						70%	
11	043 130	133-228	10			138			70%	EOT # 138 Tape MKTS.
12	045 133	136-231	13			139			70%	Bot # 139 #900 10sec All ones #044 6sec wind strip.
13	skip 136	139-234	16						skip	#136 +139 skip due to water well + house.
14	skip 139	142-237	19						skip	
15	046 140	143-238	20						50%	#140 stacked 1st half
16	047 143	146-241	23						50%	#143 stacked last half due to water well.
17	048 146	149-244	26						70%	
18	049 149	152-247	29						50%	#149 stacked last half.
19	050 152	155-250	32						70%	
20	051 155	158-253	35			139			70%	EOT # 139 Tape MKTS
21	053 158	161-256	38			140			50%	Bot # 140 #900 10sec All ones #052 6sec wind strip.
22	skip 161	164-259	41						skip	#158 stacked 1st half. #161 +164 skip due to houses.
23	skip 164	167-262	44						skip	
24	054 167	170-265	47						50%	#167 stacked last half
25	skip 170	173-268	28						skip	#170 skip due to water well. Moved Recorder to 207-218.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-40 Hz. 12.6 sec</b>	SWEEP PATTERN <b>4/63</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>1111112222211111</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y11003 1-2900</b>	TYPE GEOPHONE <b>ETLEV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample Rate 1/42. sec Record length</b>			OBSERVER <b>R. Patten / J. T. Wingo</b>	PARTY MGR. <b>J. Davis</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>		AREA <b>OKIA</b>		STATE <b>OKIA</b>		COUNTY <b>CUSTER</b>		DATE <b>12-14-80</b>			
CREW NO. <b>6834</b>		TERRAIN <b>High Plains</b>		WEATHER <b>Clear</b>				LINE NO. <b>8</b>			
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	60 ~	AMP		
1	SKIP 173	176-271	31	5		140	OUT	IN	SKIP	*173 skip due to house. Recorder AT 217-218	
2	056 175	178-273	33						50%	*175 stacked last half. OMIT File #055 Bad	
3	SKIP 178	181-276	36						SKIP	spot on Tape. *178 skip due to water well	
4											
5											
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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			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>CUSTER</b>	DATE <b>12-15-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>8</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse				140	OUT	IN		Recorder set AT 254-255
2	934/935	EINT								Oil Storage Tanks AT *278
3	936/939	DRD								Other SEISMIC Crews working in AREA.
4	953/954	Sum TEST								LOT OF TRAFFIC ALONG LINE.
5	960/961	NRS TEST								*307 + 308 Dead due TO TOWN OF PUTNAM.
6	932	similarity	225	5		140			50%	EOT #140 TAPE MKTS
7	057	wind strip	1			141				Bot #141 *900 10 sec All ones
8	058	180	183-278	1	5				50%	*180 stacked last half.
9	059	183	186-281	4					70%	
10	060	186	189-284	7					70%	
11	061	189	192-287	10					50%	*189 stacked 1st half.
12	skip	192	195-290	13					skip	*192 + 195 skip due to houses.
13	skip	195	198-293	16					skip	
14	062	196	199-294	17					50%	*196 stacked last half
15	skip	199	202-297	20					skip	*199 + 202 skip due to pipe line compressor.
16	063	203	206-301	24					50%	*203 stacked last half
17	064	206	209-304	27		141			70%	*206 stacked last half EOT #141 TAPE MKTS.
18	066	209	212-307	30		142			50%	Bot #142 *900 10sec All ones *065 6sec wind strip.
19	067	212	215-310	33					50%	*212 stacked 1st half. Wind picking up some.
20	068	215	218-313	36					50%	*215 stacked last half
21	069	218	221-316	39					70%	
22	070	221	224-319	42					50%	*221 stacked 1st half
23	skip	224	227-322	45					skip	*224 + 228 skip due to houses + Cemetery.
24	skip	225	228-323	46					skip	
25	skip	228	231-326	18					skip	Moved Recorder TO 283-284

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4Y-1100 1Y-900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms sample rate / 42 sec Record Length.	OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis.	LINE DIR. 1 TO 24 S → N		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services** 7  
**Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>CUSTER</b>	DATE <b>12-15-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>		LINE NO. <b>8</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	071	229	232-327	21	5	142	OUT	IN	50%	*229 stacked last half. Recorder AT 283-284.
2	072	232	235-330	24		142			70%	EOT # 142 Tape mks. Wind Blowing harder + Gusting TO NOISY Shutting Down.
3										
4										
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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** 8  
**Division**  
Geosource Inc.

CLIENT <b>CocoRP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>Custer + Dewey</b>	DATE <b>12-16-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear + Windy</b>		LINE NO. <b>8</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				143	OUT	IN		Bot #143 #900 10sec All ones.
2	934/935 EINT	2 - " "								Recorder set AT 303-304. #307+308 Dead due -
3	936/939 DRD	4 - " "								To TOWN OF PUTNAM. other seismic crews working in Area.
4	953/954 Sum TEST	2 - " "								LOT OF TRAFFIC Along Line.
5	960/961 N.R.T. Test	2 - " "								
6	932 Similarity	1 - 26 sec	225	5					50%	
7	073 Wind Strip	1 - 6 sec	7							Checking line
8	074 235	238 - 333	7						50%	CORR-1-96
9	075 238	241 - 336	10						70%	
10	076 241	244 - 339	13						50%	#241 stacked 1st half. wind picking up.
11	077 Skip 244	247 - 342	16						70%	Skip #244 skip due to water well.
12	077 247	250 - 345	19						70%	
13	078 250	253 - 348	22			143			70%	EOT #143 Tape MKTS
14	080 253	256 - 351	25			144			70%	Bot #144 #900 10sec All ones #079 6sec wind strip
15	081 256	259 - 354	28						70%	Standing BY wind gusting.
16	082 259	262 - 357	31						50%	#259 stacked 1st half. wind Dying Down, going Back
17	083 262	265 - 360	34						50%	to work. #262 stacked 1st half.
18	084 265	268 - 363	37						50%	#265 stacked last half.
19	085 268	271 - 366	40						50%	#268 stacked 1st half.
20	085 Skip 271	274 - 369	43						70%	Skip #271 skip due to houses
21										Wind picking Back up + Gusting TO waist.
22										Shuting Down.
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4 16 3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111111222211111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 y-1100 1X-900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 4ms sample Rate / 42 sec Record length	OBSERVER R. Patton / J. Wings	PARTY MGR. A. Davis	LINE DIR. 1 TO 24 S → N		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 9

CLIENT <b>COCORP</b>	AREA <b>OKLA.</b>	STATE <b>OKLA.</b>	COUNTY <b>Custer &amp; Dewey</b>	DATE <b>12/17/80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear + Windy</b>		LINE NO. <b>8</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.				144	OUT	IN		Recorder set up at 346-347
2	<del>934</del> FINT	2 - " "								*307 + 308 dead due to town of Putnam.
3	<del>936</del> D.R.D.	4 - " "								Other seismic crews working in AREA.
4	<del>953</del> Sumtest	2 - " "								
5	<del>960</del> N. R. test	2 - " "				144				EOT #144 Tape MKTs
6	932 Similarity	1 - 26 sec.	225	5		145			50%	BOT. #145 #900 10 sec All ones.
7	086 Wind strip	1 - 6 sec.	2							Checking Line
8	087 273	276 - 371	2						50%	*273 stacked 1st half.
9	SKIP 276	279 - 374	5						SKIP	*276 + 279 skip due to houses + Storage Tanks.
10	SKIP 279	282 - 377	8						SKIP	
11	088 280	283 - 378	9						50%	*280 stacked last half.
12	089 283	286 - 381	12						50%	*283 stacked last half.
13	090 286	289 - 384	15						70%	
14	091 289	292 - 387	18						50%	*289 stacked 1st half.
15	SKIP 292	295 - 390	21						SKIP	*292 skip due to propane tank.
16	092 293	296 - 391	22						50%	*293 stacked last half. Wind picking up.
17	093 296	299 - 394	25			145			70%	*296 stacked last half. EOT #145 Tape MKTs.
18	095 297	300 - 395	26			146			70%	BOT #146 #900 10 sec All ones *094 6 sec wind strip.
19	096 298	301 - 396	27						70%	Making up stations for skips through town of Putnam.
20	097 299	302 - 397	28	4					50%	*299 stacked 1st half. Vib #12666 down oil leak.
21	098 316	319 - 414	45						50%	*300 - 315 skip due to town of Putnam.
22	099 319	322 - 417	48						50%	*316 stacked last half. *319 stacked last half.
23										wind picking up TO noisy shutting down.
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 / 26 sec.</b>	SWEEP PATTERN <b>4/163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>11111122222111111</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y11005 1-Y900</b>	TYPE GEOPHONE <b>ETLEV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>Has Sample Rate / 42 sec. Record Length</b>		OBSERVER <b>R. Patton / J. Wings</b>		PARTY MGR. <b>J. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>OKLA.</b>	STATE <b>OKLA.</b>	COUNTY <b>Dewey</b>	DATE <b>12/20/80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>8</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec.				146	OUT	IN		Recorder set up at 390-391
2	<del>934</del> 935 EINT	2- " "								other seismic crews working in AREA
3	<del>936</del> 939 D.R.D.	4- " "								lot of traffic along line.
4	<del>953</del> 954 Sum Test	2- " "								
5	<del>960</del> 961 N.R.T. Test	2- " "								
6	932 Similarity	1-26 sec.	225	5		146			50%	EOT #146 Tape MKTs.
7	100 Wind Strip	1-6 sec.	7			147				BOT #147 *900 10 sec All ones. Checking line.
8	SKIP 322	325-420	7						50%	*322 skip due to water well.
9	101 325	328-423	10						70%	
10	102 328	331-426	13						70%	
11	103 331	334-429	16	4					50%	vib #12666 Temp Down
12	104 334	337-432	19	5					50%	vib #12666 Back on line.
13	SKIP 337	340-435	22						50%	
14	SKIP 340	343-438	25						50%	
15	105 341	344-439	26						70%	
16	106 344	347-442	29						70%	
17	107 347	350-445	32			147			70%	EOT #147 Tape MKTs
18	109 350	353-448	35	4		148			70%	BOT #148 *900 10 sec All ones *108 6 sec wind strip.
19	110 353	356-451	38						70%	VP #350 vib #17311 Temp Down.
20	111 356	359-454	41						70%	
21	SKIP 359	362-457	44						50%	*359 skip due to houses
22	112 361	364-459	46						50%	*361 stacked last half.
23	SKIP 364	367-462	2						50%	Moved Recorder to 437-438
24	113 366	369-464	4	5					50%	*366 stacked last half. vib #17311 Back on line.
25	114 369	372-467	7						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8 → 40 Hz / 26 sec.</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>111111122222111111</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>FTLEVR22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample Rate / 42 sec. Record Length</b>		OBSERVER <b>R. Patton / T. Wingo</b>	PARTY MGR. <b>J. Davis</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>Dewey</b>	DATE <b>12-20-80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>		LINE NO. <b>8</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	SKIP 372	375-470	10	5		148	out	IN	SKIP	#372 skip due to house #470 dead due to Hwr.
2	115 373	376-471	11			148			50%	#373 stacked last half EOT #148 Tape MICTS.
3	SKIP 376	379-474	14			149			SKIP	Bot #149 *900 10sec All ones #116 6sec wind strip.
4	117 379	382-477	17			149			70%	#376 skip due to water wells & house.
5	118 382	385-480	20						70%	
6	119 385	388-483	23						70%	
7	120 388	391-486	26						70%	
8										
9										
10										
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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.

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CLIENT <b>COCORP</b>	AREA <b>OKLA.</b>	STATE <b>OKLA.</b>	COUNTY <b>Dewey</b>	DATE <b>12/21/80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear + Cold</b>		LINE NO. <b>8</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	1-6sec.				149	OUT	IN		Recorder set up at sta's 465-466
2	<del>934</del> <del>935</del> FINT	2- " "								*470 Dead due to Hux. *506 + 534 Dead due to
3	<del>936</del> <del>939</del> D.R.O.	4- " "								Intersections. *511-518 Dead due to TOWN OF
4	<del>953</del> <del>954</del> Sum Test	2- " "								Taloga. *529-532 Dead due to Bridge.
5	<del>960</del> <del>961</del> N.R.S. Test	2- " "								
6	932 Similarity	1-26sec.	225	5		149			50%	EOT #149 TAPE MKTS
7	121 Wind Strip	1-6sec.	1			150				Bot #150 *900 10 sec All ones
8	122 391	394-489	1						70%	
9	123 394	397-492	4						70%	
10	124 397	400-495	7						70%	
11	125 400	403-498	10						70%	
12	126 403	406-501	13						70%	
13	127 406	409-504	16						70%	
14	128 409	412-507	19			150			70%	*409 stacked 1st half. EOT #150 TAPE MKTS
15	130 412	415-510	22			151			70%	Bot #151 *900 10 sec All ones *129 6sec wind strip.
16	131 415	418-513	25						70%	*415 stacked last half.
17	132 418	421-516	28						50%	*418 stacked 1st half.
18	133 421	424-519	31						50%	*421 stacked last half.
19	134 424	427-522	34						70%	
20	135 427	430-525	37	4					50%	*427 stacked 1st half Vib *17311 Down Trouble with Back
21	SKIP 430	433-528	40						SKIP	Engine. *430 SKIP due to house.
22	136 431	434-529	41			151			70%	EOT #151 TAPE MKTS
23	138 434	437-532	44			152			70%	Bot #152 *900 10 sec All ones *137 6 sec wind strip.
24	SKIP 437	440-535	47						SKIP	*437 skip due to water well
25	139 440	443-538	25						70%	Moved Recorder to 490-491

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8 → 40 Hz / 26 sec.</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>1111112222111111</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>ETLEV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample Rate / 42 sec. Record Length</b>		OBSERVER <b>R. Patton / C. Wings</b>		PARTY MGR. <b>L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>Cocorp</b>	AREA <b>OKIA</b>	STATE <b>OKIA</b>	COUNTY <b>Dewey</b>	DATE <b>12-21-80</b>
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CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>8</b>
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REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	443	446-541	28	4		152	OUT	IN	70%	
2	446	449-544	31						70%	
3	449	452-547	34						70%	
4	452	455-550	37						70%	
5										Finished For The Day
6										
7										
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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.

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CLIENT <b>COCORP</b>	AREA <b>OKLA.</b>	STATE <b>OKLA.</b>	COUNTY <b>Dewey</b>	DATE <b>12/22/80</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear + Windy</b>	LINE NO. <b>8</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				152	OUT	IN		Recorder set AT 527-528. *470 Dead due to Hwy
2	<del>934</del> <del>935</del> EINT	2- " "								*506 + 534 Dead due to intersections. *511-518
3	<del>936</del> <del>939</del> D.R.D.	4- " "								Dead due to Town of Taloga. *529-532 Dead
4	<del>953</del> <del>954</del> Sum Test	2- " "								due to Bridge
5	<del>960</del> <del>961</del> N.R.T. Test	2- " "				152				EOT *152 Tape MKTs
6	932 Similarity	1-26sec.	225	5		153			50%	Bot *153 *900 10 sec. All ones
7	144 wind strip	1-6sec.	3							Checking line.
8	145 455	458-553	3	5					70%	wind picking up
9	146 458	461-556	6						70%	
10	147 461	464-559	9						70%	*461 Stacked last half.
11	148 464	467-562	12						50%	*464 stacked last half
12	SKIP 467	470-565	15						SKIP	*467 skip due to houses. Standing by to wind.
13										Shutting Down to noisy wind not letting up.
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 / 26 sec.</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>16</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>111111222222111111</b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1100's 1-1900</b>	TYPE GEOPHONE <b>ETLEV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample Rate / 42 sec. Record Length</b>		OBSERVER <b>R. Patton / J. Wings</b>		PARTY MGR. <b>L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>OKLA</b>	STATE <b>OKLA</b>	COUNTY <b>Dewey</b>	DATE <b>12/23/88</b>
CREW NO. <b>6834</b>	TERRAIN <b>High Plains</b>	WEATHER <b>Clear</b>	LINE NO. <b>8</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec.				153	OUT	IN		Recorder set up at 544-545.
2	<del>934</del> <del>935</del> FTNT	2- " "								*506+534 Dead due to intersections. *511-518 Dead
3	<del>936</del> <del>939</del> D.R.D.	4- " "								due to town of Taloga. *529-532 Dead due to
4	<del>953</del> <del>954</del> Sum Test	2- " "								Bridges other seismic crews in area
5	<del>960</del> <del>961</del> N.R.J. Test	2- " "								Lot of Traffic Alongline.
6	932 Similarity	1-26sec.	225	5		153			50%	EOT # 153 Tape MKTs
7	149 Wind Strip	1-6sec.	1			154				Bot # 154 *900 10 sec All ones
8	150 470	473-568	1	5					70%	
9	151 473	476-571	4						70%	
10	152 476	479-574	7						70%	
11	153 479	482-577	10						70%	
12	154 482	485-580	13						50%	*482 stacked 1st half
13	Skip 485	488-583	16						Skip	*485 skip due to Cemetery + compressor station.
14	155 488	491-586	19						70%	
15	156 491	494-589	22			154			50%	*491 stacked last half. EOT # 154 Tape MKTs.
16	Skip 494	497-592	25			155			Skip	*494 skip due to water well.
17	158 497	500-595	28						70%	Bot # 155 *900 10sec All ones *157 6sec wind strip.
18	159 500	503-598	31						70%	
19	160 503	506-601	34						70%	*504 stacked 1st half
20	161 504	507-602	35						50%	*504 make up for skip through town of Taloga
21	162 520	523-618	29						50%	*505-519 skip due to town of Taloga.
22	163 523	526-621	32						50%	*520 stacked 1st half. *523 stacked last half.
23	164 526	529-624	35			155			50%	*526 stacked 1st half
24	165 537	540-635	46						70%	*528-533 skip due to bridge *534 skip due to house.
25										EOT # 155 Tape MKTs EOL. # 8.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MD5-10</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>11111122222111111</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>ETHEV22B</b>	FREQUENCY <b>7.5 Hz.</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>4ms. Sample Rate / 42 sec. Record Length</b>			OBSERVER <b>P. Patton / J. Wings</b>	PARTY MGR. <b>L. Davis</b>	