

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-30-82
CREW NO. 6834	TERRAIN Shoulder of Black Top	WEATHER Very Windy, Clear	LINE NO. 9	

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			missed sweep	268	OUT	IN		B.O.T #268, 900 10sec ALL ONES
2	934 FINT	2-''''								Recorder set at 72-73
3	936 D.R.D	4-''''								5 Vib 100' spacing ON shoulder of Road
4	938v sumtest	2-''''								41.25 moved UP, 1st Vib +56 Past Flag. 8 sweep
5	940v N.R.J. test	2-''''								Alais 31.25, 5 STA OFFSET.
6	932 Similarity	1-32sec	1	5						Winds are 15 M.P.H. steady, Gusted at 20-22 M.P.H.
7	001 WINDstrip	1-48sec	1							
8	002 101	1-96	1	5					50%	Vibs ON shoulder of Road.
9	003 102	2-97	2						50%	
10	004 103	3-98	3						50%	
11	005 104	4-99	4						50%	WINDS ARE 15-17 M.P.H. STEADY, Gusted to 21-24 M.P.H.
12	006 105	5-100	5						50%	
13	007 106	6-101	6						50%	
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 8-32Hz/32sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN / X /			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100's	TYPE GEOPHONE EHL DV22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE / 48.5 sec Record Length			OBSERVER R. PARSON, JR. Richey	PARTY MOR. L. DAVIS	

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CLIENT COCORP	AREA CAIF, Death Valley	STATE CAIF	COUNTY INYO	DATE 12-31-82
CREW NO. 6834	TERRAIN Dirt Shoulder FLACKTOP	WEATHER clear	LINE NO. 59	

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			1/2 Sweep	268	CUT	IN		Recorder set at 77-78
2	934 ETT	2-11 "								5 Vibs 100' spacing 41.25 MOVE UP. 1st Vib +56'
3	935 D.R.D	4-11 "								Past Flag. 8' sweep, 5sta offset.
4	936 SUMTEST	2-11 "								
5	937 N.R.S. test	2-11 "								Wind Blowing steady at 12 MPH. Time 10:00
6	932 SIMILARITY	1-32sec	1	5		268			50%	E.O.T* 268, TAPE MKTS
7	008 WINDSTRIP	1-48sec	1			269			66db	B.O.T* 269, 900 kHz 2011 GNS
8	009 107	7-102	2	5					50%	Vibs AT 50% DRIVE DUE TO SHOULDER.
9	SKIP 108	8-103	3						SKIP	DUE TO NARROW SHOULDER.
10	SKIP 109	9-104	4						SKIP	" " " "
11	010 110	10-105	5						50%	
12	011 111	11-106	6						50%	
13	012 112	12-107	7						50%	
14	013 113	13-108	8						50%	
15	014 114	14-109	9						50%	
16	015 115	15-110	10						50%	
17	016 116	16-111	11						50%	
18	017 117	17-112	12						50%	
19	018 118	18-113	13						50%	
20	019 119	19-114	14						50%	Stacked 1st HALF.
21	SKIP 120	20-115	15						SKIP	DUE TO NARROW SHOULDER.
22	SKIP 121	21-116	16						SKIP	" " " "
23	SKIP 122	22-117	17						SKIP	" " " "
24	SKIP 123	23-118	18						SKIP	FROM STA #123-126 SKIP DUE TO NO SHOULDER.
25	020 127	27-122	22						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/32sec	SWEEP PATTERN see Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN / X /	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 9/6	TYPE VIBRATOR S-Y1100's	TYPE GEOPHONE E+LDV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length		OBSERVER R. PATTON, M. Aicher	PARTY MGR. L. DAVIS		

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CLIENT <i>COCORP</i>	AREA <i>CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-31-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder OF BLACK TOP</i>	WEATHER <i>Clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60~	AMP		
1	021	128	28-123	23	5	<i>WINDSTRIP</i>	269	<i>ONLY</i>	<i>IN</i>	50%	<i>F.O.T #269, TAPE MKTS</i>
2	022	129	29-124	24		<i>WINDSTRIP</i>	270			60%	<i>B.O.T #270, 900 10sec ALL ONES. BLAST ON WINDSTRIP, LAST</i>
3	023	129	29-124	24						50%	<i>8sec OF Record. BLASTING IN AREA.</i>
4	024	130	30-125	25						50%	<i>Vib ON LEFT SIDE OF ROAD.</i>
5	025	131	31-126	26						50%	
6	026	132	32-127	27						50%	<i>BLAST ON SWEEP #4, File #026.</i>
7	027	133	33-128	28						50%	
8	028	134	34-129	29						50%	
9	029	135	35-130	30						50%	
10	030	136	36-131	31						50%	
11	031	137	37-132	32						50%	
12	032	138	38-133	33						50%	
13	033	139	39-134	34						50%	
14	034	140	40-135	35						50%	<i>Vibs BACK ON RIGHT SIDE OF ROAD.</i>
15	035	141	41-136	36			270			50%	<i>F.O.T #270, TAPE MKTS.</i>
16	036	142	42-137	37		<i>WINDSTRIP</i>	271			60%	<i>B.O.T #271, 900 10sec ALL ONES.</i>
17	037	142	42-137	37						50%	
18	038	143	43-138	38						50%	
19	039	144	44-139	39						50%	
20	040	145	45-140	40						50%	
21	041	146	46-141	41						50%	
22	042	147	47-142	42						50%	
23	043	148	48-143	43						50%	
24	044	149	49-144	44						50%	
25	045	150	50-145	45						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER		PARTY MOR.		

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-3-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder</i>	WEATHER <i>clear</i>	LINE NO. <i>A9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80~	AMP	
1	SKIP 197	97-192	5	5	50%	273	OUT	IN	SKIP	Due to NO shoulder.
2	SKIP 198	98-193	6						SKIP	" " " "
3	064 199	99-194	7						50%	STACKED LAST HALF.
4	065 200	100-195	8						50%	
5	066 201	101-196	9						50%	
6	067 202	102-197	10						50%	
7	068 203	103-198	11						50%	
8	069 204	104-199	12						50%	
9	070 205	105-200	13						50%	
10	071 206	106-201	14			273			50%	F.D.T#273, TAPE MKTS
11	072 207	107-202	15	wind strip		274			60%	B.O.T#274, 900 LOSER ALL ONES.
12	073 207	107-202	15						50%	
13	074 208	108-203	16						50%	
14	075 209	109-204	17						50%	
15	076 210	110-205	18						50%	Dump on 1st sweep from memory, file #076
16	077 210	110-205	18						50%	
17	078 211	111-206	19						50%	
18	079 212	112-207	20						50%	
19	080 213	113-208	21						50%	
20	081 214	114-209	22						50%	
21	082 215	115-210	23						50%	
22										
23										
24										
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
REMARKS	OBSERVER		PARTY MGR.		

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DIGITAL VIBROSEIS RECORDER

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIFORNIA</i>	COUNTY <i>INYO</i>	DATE <i>1-4-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Spreader</i>	WEATHER <i>clear</i>		LINE NO. <i>#9</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80~	AMP	
1	<i>PULSE</i>	<i>1-6sec</i>			<i>missed sweep</i>	<i>274</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 187-188</i>
2	<i>EINT</i>	<i>2-8"</i>								
3	<i>B.R.D</i>	<i>4-11"</i>								<i>5 Vib 100' spring 41.25 make OP. 1st Vib +56'</i>
4	<i>simtest</i>	<i>2-11"</i>								<i>PAST FLAG. 8 sweep, Alais 31.25, 5 STA OFFSET.</i>
5	<i>N.R.T. test</i>	<i>2-11"</i>								
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>1</i>	<i>5</i>		<i>274</i>			<i>50%</i>	<i>E.O.T #274, TAPE MKTS.</i>
7	<i>WINDSTRIP</i>	<i>1-48sec</i>	<i>1</i>			<i>275</i>			<i>66db</i>	<i>B.O.T #275, 900 10sec ALL ONES.</i>
8	<i>216</i>	<i>116-211</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
9	<i>217</i>	<i>117-212</i>	<i>2</i>						<i>50%</i>	
10	<i>218</i>	<i>118-213</i>	<i>3</i>						<i>50%</i>	
11	<i>219</i>	<i>119-214</i>	<i>4</i>						<i>50%</i>	
12	<i>220</i>	<i>120-215</i>	<i>5</i>						<i>50%</i>	
13	<i>221</i>	<i>121-216</i>	<i>6</i>						<i>50%</i>	
14	<i>222</i>	<i>122-217</i>	<i>7</i>						<i>50%</i>	
15	<i>223</i>	<i>123-218</i>	<i>8</i>						<i>50%</i>	
16	<i>224</i>	<i>124-219</i>	<i>9</i>						<i>50%</i>	
17	<i>225</i>	<i>125-220</i>	<i>10</i>						<i>50%</i>	
18	<i>226</i>	<i>126-221</i>	<i>11</i>						<i>50%</i>	
19	<i>227</i>	<i>127-222</i>	<i>12</i>			<i>275</i>			<i>50%</i>	<i>EOT #275 TAPE MKTS.</i>
20	<i>228</i>	<i>128-223</i>	<i>13</i>	<i>wind strip</i>		<i>276</i>			<i>66db</i>	<i>BOT #276 #900 10sec All ones.</i>
21	<i>228</i>	<i>128-223</i>	<i>13</i>		<i>1</i>				<i>50%</i>	
22	<i>229</i>	<i>129-224</i>	<i>14</i>						<i>50%</i>	
23	<i>230</i>	<i>130-225</i>	<i>15</i>						<i>50%</i>	
24	<i>231</i>	<i>131-226</i>	<i>16</i>	<i>4</i>					<i>50%</i>	<i>Vib # 23652 Down NOT Receiving TONES - want Shake.</i>
25	<i>232</i>	<i>132-227</i>	<i>17</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>32Hz/32sec</i>	SWEEP PATTERN <i>see Remarks</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i> x </i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>5-Y1100's</i>	TYPE GEOPHONE <i>ET-ELDV228</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms Sample RATE/48sec Record Length</i>	OBSERVER <i>R. PATTON, M. Richey</i>	PARTY MGR. <i>Z-Davis</i>	LINE DIR. <i>1 TO 24 E-W</i>		

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DIGITAL VIBROSEIS RECORDER

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Division
Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE California	COUNTY INYO	DATE 1-4-83
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER Clear	LINE NO. 9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	80 ~	AMP		
1	102	233	133 - 228	18	5		276	OUT	IN	50%	Vib # 23652 BACK ON LINE
2	103	234	134 - 229	19						50%	
3	104	235	135 - 230	20						50%	
4	105	236	136 - 231	21						50%	
5	106	237	137 - 232	22						50%	
6	107	238	138 - 233	23						50%	
7	108	239	139 - 234	24						50%	
8	109	240	140 - 235	25			276			50%	EOT # 276 Tape MKTs
9	110	241	141 - 236	26	wind strip		277			66db	Bot # 277 *900 10 sec #11 ONES.
10	111	241	141 - 236	26						50%	
11	112	242	142 - 237	27						50%	
12	113	243	143 - 238	28						50%	
13	114	244	144 - 239	29						50%	
14	115	245	145 - 240	30	1					50%	
15	116	246	146 - 241	31						50%	
16	117	247	147 - 242	32	1					50%	
17	118	248	148 - 243	33						50%	
18	SKIP	249	149 - 244	34						SKIP	Due to No shoulder.
19	119	250	150 - 245	35	1					50%	Stacked ON LAST HALF.
20	120	251	151 - 246	36						50%	
21	121	252	152 - 247	37			277			50%	E.O.T # 277, TAPE MKTs
22											
23											
24											
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
REMARKS	OBSERVER		PARTY MGR.		

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Division
Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-5-83
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER clear	LINE NO. #9	

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			278	278	OUT	IN		B.O.T #278, 900 10sec ALL ONES
2	934 EINT	2-11"								Recorder SET AT 224-225
3	935 D.R.D	4-11"								5 Vibs 100' SPACING 41.25 MOVE UP. 1st Vib +56'
4	936 SUM test	2-11"								PAST FLAG. 8 SWEEP, HHAIS 31.25, 5STA OFFSET.
5	937 N.R.T test	2-11"								
6	932 SIMILARITY	1-32sec	1	5						50%
7	122 WINDSTRIP	1-48sec	1							66db
8	123 253	153-248	1	5						50%
9	124 254	154-249	2							50%
10	125 255	155-250	3							50%
11	126 256	156-251	4							50% BLAST ON SWEEP #7, File #126.
12	127 257	157-252	5							50%
13	128 258	158-253	6							50%
14	129 259	159-254	7							50%
15	130 260	160-255	8							50%
16	131 261	161-256	9							50%
17	132 262	162-257	10			278				50% E.O.T #278, TAPE MKTS
18	133 263	163-258	11	WINDSTRIP		279				66db B.O.T #279, 900 10sec ALL ONES.
19	134 263	163-258	11							50%
20	135 264	164-259	12							50%
21	136 265	165-260	13							50%
22	137 266	166-261	14							50%
23	138 267	167-262	15							50%
24	139 268	168-263	16							50% 1st SWEEP DUMP ON TAPE FROM MEMORY, File 139
25	140 268	168-263	16							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/32sec	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-V1100's	TYPE GEOPHONE ET40V228	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length	OBSERVER R. Patton, M. Picher	PARTY MOR. L. DAVIS	LINE DIR. 1 TO 24 E-W		

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Exploration Services
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Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-5-83
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Clear	LINE NO. #9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80 ~	AMP	
1	141	269	169-264	17	5	279	OUT	IN	50%	
2	142	270	170-265	18					50%	
3	SKIP	271	171-266	19					50%	Due to no shoulder.
4	143	272	172-267	20					50%	Stacked LAST HALF.
5	144	273	173-268	21					50%	
6	145	274	174-269	22					50%	
7	146	275	175-270	23		279			50%	E.O.T. #279, TAPE MKTS.
8	147	276	176-271	24	wind skip	280			66%	B.O.T. #280, 900 10SEC ALL ONE'S.
9	148	276	176-271	24					50%	
10	149	277	177-272	25					50%	
11	150	278	178-273	26					50%	
12	151	279	179-274	27					50%	
13	152	280	180-275	28					50%	1st SWEEP DUMP ON TAPE From memory, File #152
14	153	280	180-275	28					50%	
15	154	281	181-276	29					50%	
16	SKIP	282	182-277	30					50%	Due to no shoulder.
17	155	283	183-278	31					50%	
18										
19										
20										
21										
22										
23										
24										
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
REMARKS	OBSERVER		PARTY MOR.		

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CLIENT COCORP	AREA Death Valley	STATE CALIF.	COUNTY INYO	DATE 1-6-83
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER clear		LINE NO. #9

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	1-6sec			171.25 3 sweep	280	OUT	IN		Recorder set at 255-256
2	EINT	2-11"								
3	D.R.D	4-11"								5 Vibs 100' spacing 41.25 move up, 1st vib +56'
4	sum test	2-11"								Past Flag. 8 sweep, always 31.25, 50% offset.
5	N.R.S. test	2-11"								
6	Similarity	1-32sec	1	5		280			50%	E.O.T #280, TAPE MKTS
7	WINDSTRIP	1-48sec	1			281			60%	B.O.T #281, 900 10sec ALONES.
8	284	184-279	1	5					50%	
9	285	185-280	2						50%	
10	286	186-281	3						50%	
11	287	187-282	4						50%	
12	SKIP	188-283	5						SKIP	Due to no shoulder
13	289	189-284	6						50%	Vibs ON LEFT SIDE OF ROAD.
14	290	190-285	7						50%	
15	291	191-286	8						50%	
16	292	192-287	9						50%	
17	293	193-288	10						50%	BLAST ON SWEEP #S, File #165.
18	294	194-289	11						50%	1st SWEEP DUMP ON memory, File #166.
19	294	194-289	11						50%	
20	295	195-290	12			281			50%	E.O.T #281, TAPE MKTS
21	296	196-291	13							
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8→32HZ/32sec	SWEEP PATTERN see Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR S-Y1100's	TYPE GEOPHONE E+LDV228	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48 sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 E→W		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCOP	AREA Death Valley	STATE CALIFORNIA	COUNTY INYO	DATE 1-7-83
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER Clear	LINE NO. 9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1-6 sec			Missed Sweeps	282	OUT	IN		B.O.F #282, 900 10sec ALL ONES.
2	934/935 EINT	2- " "								Recorder set AT 267-268
3	936/939 DRD	4- " "								5 Vibs 100' spacing, 41.25' move up 1st Vibs starts +56' past Flag, 8 sweeps, Alais 31.25, 5 station offset.
4	937/938 Sum TEST	2- " "								
5	960/961 NRS TEST	2- " "								
6	932 Similarity	1-32 sec	1	5						50%
7	169 Wind Strip	1-48 sec	1							66db
8	170 296	196-291	1	5						50%
9	171 297	197-292	2							50%
10	172 298	198-293	3							50%
11	173 299	199-294	4							50%
12	174 300	200-295	5							50%
13	175 301	201-296	6		1					50%
14	176 302	202-297	7							50%
15	177 303	203-298	8							50%
16	178 304	204-299	9							50%
17	SKIP 305	205-300	10							50%
18	179 306	206-301	11							50%
19	180 307	207-302	12			282				50%
20	SKIP 308	208-303	13							50%
21	SKIP 309	209-304	14							50%
22	181 310	210-305	15		wind strip	283				66db
23	182 310	210-305	15							50%
24	183 311	211-306	16	4						50%
25	SKIP 312	212-307	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-732Hz / 32sec	SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-X 1100's	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms sample rate / 48 sec Record Length	OBSERVER R. Patton / M. Richey	PARTY NO. L. Davis	LINE DIR. 1 TO 24 E → W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT	AREA	STATE	COUNTY	DATE
COCORP	Death Valley	California	INYO	1-7-83
CREW NO.	TERRAIN	WEATHER	LINE NO.	
6834	Dirt Shoulder	Clear	9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	SKIP	313	213-308	18		283	OUT	IN	SKIP	Due TO NO Shoulder
2	184	314	214-309	19	4				50%	Vibs ON Right side OF Road
3	185	315	215-310	20					50%	Sweep #1 Layed Down ON Tape.
4	186	315	215-310	20					50%	
5	187	316	216-311	21					50%	
6	188	317	217-312	22					50%	
7	189	318	218-313	23	1				50%	
8	190	319	219-314	24					50%	
9	191	320	220-315	25					50%	
10	192	321	221-316	26					50%	
11	193	322	222-317	27	5				50%	Vib #17.311 Back ON Line, had TO Change Flat Tire.
12	SKIP	323	223-318	28					SKIP	#323-329 Due TO NO Shoulder.
13	SKIP	324	224-319	29					SKIP	" " " "
14	194	330	230-325	35		283			50%	EOT #283 Tape MKTs
15	195	331	231-326	36	Wind	284			72db	ROT #284 #900 10sec All ones
16	196	331	231-326	36					50%	Vibs ON LEFT side OF Road
17	197	332	232-327	37	1				50%	
18	198	333	233-328	38					50%	
19	199	334	234-329	39	1				50%	
20	200	335	235-330	40					50%	Vibs Back ON Right side OF Road.
21	201	336	236-331	41					50%	
22	202	337	237-332	42					50%	
23	203	338	238-333	43					50%	Sweep #1 Layed Down ON Tape.
24	204	338	238-333	43					50%	
25	205	339	239-334	44					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER	PARTY MOR.			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT Cocolp	AREA Death Valley	STATE California	COUNTY INYO	DATE 1-7-83
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER Clear	LINE NO. 9	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	206	340	240-335	45	5	284	OUT	IN	50%	
2	207	341	241-336	46	1				50%	Vibs on Left side of Road
3	208	342	242-337	47		284			50%	Stacked 1st half. EOT # 284 Tape MKTS
4	209	343	243-338	48	wind strip				72db	Bot # 285 * 900 10 sec All ones
5	210	343	243-338	48	1				50%	Vibs Back on Right side of Road
6	211	344	244-339	49	1				50%	
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	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 Death Valley	STATE CAIF	COUNTY INYO	DATE 1-10-83
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER clear		LINE NO. #9

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	231	361	261-356	17	5	286	OUT	IN	50%	
2	232	362	262-357	18					50%	
3	233	363	263-358	19					50%	
4	234	364	264-359	20		286			50%	E.O.T. #286, TAPE MKTS
5	235	365	265-360	21	wind strip	287			66db	R.O.T #287, 900 10sec ALL ONES.
6	236	365	265-360	21					50%	
7	237	366	266-361	22					50%	
8	238	367	267-362	23					50%	
9	239	368	268-363	24					50%	
10	240	369	269-364	25					50%	
11	241	370	270-365	26					50%	
12	242	371	271-366	27					50%	
13	243	372	272-367	28					50%	Vibs ON LEFT SIDE OF Road.
14	244	373	273-368	29					50%	
15	245	374	274-369	30					50%	
16	246	375	275-370	31	1				50%	
17	SKIP	376	276-371	32					SKIP	Due to NO shoulder.
18	247	377	277-372	33		287			50%	E.O.T #287, TAPE MKTS
19	248	378	278-373	34	wind strip	288			66db	R.O.T #288, 900 10sec ALL ONES.
20	249	378	278-373	34					50%	
21	SKIP	379	279-374	35					SKIP	Due to no shoulder.
22	SKIP	380	280-375	36					SKIP	" " " "
23	250	381	281-376	37	1				50%	
24	251	382	282-377	38					50%	
25	SKIP	383	283-378	39					SKIP	Due to NO shoulder.

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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Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CA	COUNTY INYO	DATE 1-10-85
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER clear		LINE NO. 09

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 384	284-379	40	5	MISJCA 5000	288	OUT	IN	SKIP	Due to NO shoulder.
2	SKIP 385	285-380	41						SKIP	" " " "
3	SKIP 386	286-381	42						SKIP	" " " "
4	SKIP 387	287-382	43						SKIP	" " " "
5	SKIP 388	288-383	44						SKIP	" " " "
6	SKIP 389	289-384	45						SKIP	" " " "
7	252 390	290-385	27						50%	Recorder MOVE UP AT STA #335-336
8	253 391	291-386	28						50%	
9	254 392	292-387	29						50%	
10	255 393	293-388	30						50%	
11	256 394	294-389	31						50%	1st SWEEP DUMP ON TAPE From memory. File #256.
12	257 394	294-389	31						50%	
13	SKIP 395	295-390	32						SKIP	
14	SKIP 396	296-391	33						SKIP	
15	258 397	297-392	34						50%	
16	259 398	298-393	35						50%	
17	260 399	299-394	36			288			50%	E.O.T. #288, TAPE MKTS
18	SKIP 400	300-395	37						SKIP	Due to NO shoulder.
19	SKIP 401	301-396	38						SKIP	
20										
21										
22										
23										
24										
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
REMARKS	OBSERVER		PARTY MOR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
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Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-11-83
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Clear	LINE NO. #9	

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				289	CULT	IN		Recorder SET AT 373-374
2	934 FINT	2-11 "								B.O.T # 289, 900, 10sec ALL ONES.
3	935 D.R.D	4-11 "								5 Vibs 100 spacing 41-25 MOVE UP, 1st Vib +56'
4	936 SUMTEST	2-11 "								PAST FLAG - 8 SWEEP, Alias 31-25, 5 STA OFFSET.
5	937 N.R.I. test	2-11 "								
6	932 SIMILARITY	1-32sec	1	5					50%	
7	261 WINDSTRIP	1-48sec	1						660%	
8	262 402	302-397	1	5	1				50%	Vibs ON LEFT side OF Road. stacked Last half.
9	263 403	303-398	2						50%	
10	264 404	304-399	3		1				50%	
11	265 405	305-400	4						50%	
12	266 406	306-401	5						50%	
13	267 407	307-402	6						50%	
14	268 408	308-403	7		1				50%	
15	269 409	309-404	8						50%	
16	270 410	310-405	9						50%	
17	271 411	311-406	10			289			50%	Vibs ON Right side OF Road. EOT # 289 Tape MKTS
18	272 412	312-407	11	wind	strip	290			720%	Bot # 290 * 900 10sec All ones.
19	273 412	312-407	11						50%	
20	274 413	313-408	12						50%	
21	275 414	314-409	13						50%	
22	SKIP 415	315-410	14						SKIP	Due to SOFT shoulder.
23	276 416	316-411	15						50%	1st SWEEP DUMP ON TAPE From memory, File # 276.
24	277 416	316-411	15						50%	
25	278 417	317-412	16						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8732HZ/32sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR S-V1100's	
TYPE GEOPHONE EHL DVDB		FREQUENCY 7.5HZ		STATION INTERVAL 330'	
REMARKS 8ms SAMPLE RATE/48sec Record Length		OBSERVER R. PATTON, M. Richey		PARTY MOR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-11-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder</i>	WEATHER <i>clear</i>	LINE NO. # <i>9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	279	418	318-413	17	5	<i>on 1 sec sweep</i>	290	OUT	IN	50%	
2	280	419	319-414	18						50%	
3	281	420	320-415	19						50%	
4	282	421	321-416	20						50%	
5	283	422	322-417	21						50%	
6	284	423	323-418	22						50%	
7	285	424	324-419	23			290			50%	E.O.T.*290, TAPE MKTS
8	286	425	325-420	24	<i>wind strip</i>		291			66db	B.O.T.*291, 900 10sec ALL ONES.
9	287	425	325-420	24						50%	
10	288	426	326-421	25						50%	
11	289	427	327-422	26						50%	
12	290	428	328-423	27						50%	Vibs WENT TO LEFT SIDE OF ROAD.
13	291	429	329-424	28						50%	
14	292	430	330-425	29						50%	
15	293	431	331-426	30						50%	
16	294	432	332-427	31						50%	
17	295	433	333-428	32						50%	
18	296	434	334-429	33						50%	
19	297	435	335-430	34	5					50%	All Vibs missed one sweep on this VP * 435.
20	298	436	336-431	35			291			50%	E.O.T.*291, TAPE MKTS
21	299	437	337-432	36	<i>wind strip</i>		292			66db	B.O.T.*292, 900 10sec ALL ONES.
22	300	437	337-432	36						50%	
23	301	438	338-433	37						50%	
24	302	439	339-434	38						50%	1st Sweep Dump ON TAPE From memory, file 302
25	303	439	339-434	38						50%	

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 <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CA/IF</i>	COUNTY <i>INYO</i>	DATE <i>1-12-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder</i>	WEATHER <i>Clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec				292	OUT	IN		Recorder set at 4/1-4/2
2	934 EINT	2-" "								
3	935 D.R.D	4-" "								5 Vibs 100' spacing 41.25 move up, 1st Vib +56'
4	936 SUMTEST	2-" "								Past Flag. 8 sweep, Alias 31-25, 5 STA OFFSET
5	937 N.R.5 test	2-" "								
6	932 similarity	1-32sec	1	5						50%
7	304 WINDSTRIP	1-48sec	1							66%
8	305 440	340-435	1	5						50% Vibs ON LEFT side OF Road
9	306 441	341-436	2							50%
10	307 442	342-437	3							50%
11	308 443	343-438	4							50%
12	309 444	344-439	5			292				50% E.O.T. #292, TAPE MKTS
13	310 445	345-440	6	WINDSTRIP		293				66% B.O.T. #293, 900 10sec ALL ONES.
14	311 445	345-440	6							50%
15	312 446	346-441	7							50% 1st SWEEP DUMP ON TAPE FROM MEMORY, File #312.
16	313 446	346-441	7							50%
17	314 447	347-442	8							50%
18	315 448	348-443	9							50%
19	316 449	349-444	10							50%
20	317 450	350-445	11							50%
21	318 451	351-446	12							50%
22	319 452	352-447	13							50%
23	320 453	353-448	14							50%
24	321 454	354-449	15							50%
25	322 455	355-450	16							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8 → 32 Hz / 32 sec</i>	SWEEP PATTERN <i>see Remarks</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i> X </i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>S-Y1100's</i>	TYPE GEOPHONE <i>ETL DV 22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 48 sec Record Length</i>		OBSERVER <i>R. PATTON, M. Richey</i>		PARTY MGR. <i>L. DAVIS</i>	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services 20
Division
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-12-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder</i>	WEATHER <i>clear</i>	LINE NO. <i>#19</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	323	456	356-451	17	5	<i>293</i>	<i>OUT</i>	<i>IN</i>	50%	<i>E.O.T. #293, TAPE MKT'S</i>
2	324	457	357-452	18	<i>windstrip</i>	<i>294</i>			66db	<i>B.O.T. #294, 900 10SEC ALL ONES.</i>
3	325	457	357-452	18					50%	
4	SKIP	458	358-453	19					SKIP	<i>Due to NO shoulder.</i>
5	SKIP	459	359-454	20					SKIP	<i>Due to SOFT shoulder.</i>
6	SKIP	460	360-455	21					SKIP	<i>" " "</i>
7	SKIP	461	361-456	22					SKIP	<i>" " "</i>
8	326	462	362-457	23	4				50%	<i>Vibs are ON DIRT ROAD. Vib #23651 Down, hydraulic</i>
9	327	463	363-458	24					50%	<i>leak ON BACK MOTOR.</i>
10	328	464	364-459	25					50%	
11	329	465	365-460	26					50%	
12	330	466	366-461	27					50%	
13	331	467	367-462	28	5				50%	<i>Vib #23651, BACK ON LINE</i>
14	332	468	368-463	29					50%	
15	333	469	369-464	30					50%	
16	334	470	370-465	31					50%	
17	335	471	371-466	32					50%	
18	336	472	372-467	33					50%	
19	337	473	373-468	34		<i>294</i>			50%	<i>E.O.T. #294, TAPE MKT'S</i>
20	338	474	374-469	35	<i>windstrip</i>	<i>295</i>			66db	<i>B.O.T. #295, 900 10SEC ALL ONES.</i>
21	339	474	374-469	35					50%	
22	340	475	375-470	36					50%	
23	341	476	376-471	37					50%	
24	342	477	377-472	38					50%	<i>1st sweep DUMP ON TAPE From memory, File #342</i>
25	343	477	377-472	38					50%	<i>BLAST ON sweep #3, File 343</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MOR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 21

CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-12-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #9	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	344	478	378-473	39	5	missed sweep 295	OUT	IN	50%	
2	345	479	379-474	40					50%	
3	346	480	380-475	41					50%	
4	347	481	381-476	42					50%	
5	348	482	382-477	43					50%	
6	349	483	383-478	44					50%	
7	350	484	384-479	45		295			50%	E.O.T. #295, TAPE MKTS
8	351	485	385-480	46	wind strip	296			66db	B.O.T. #296, 900 10sec. HILONES-
9	352	485	385-480	46					50%	
10	353	486	386-481	47					50%	
11	354	487	387-482	48					50%	
12	355	488	388-483	49					50%	
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER		PARTY MOR.
					LINE DIR. 1 TO 24

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Death Valley	STATE CAIF	COUNTY INYO	DATE 1-13-83
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER clear	LINE NO. #9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	PULSE	1-6sec				296	OUT	IN		Recorder set at 462-463
2	EINT	2- " "								
3	D.R.D	4- " "								
4	SUM test	2- " "								5 Vibs 100' spacing 41.25 move up, 1st Vib 756' past flag. 8 sweep, Alias 31.25, 5th offset.
5	N.R.T test	2- " "								
6	932 Similarity	1-32sec	1	5					50%	
7	356 WIND strip	1-48sec	239						66%	NOTE: STA# 389 and 390 ARE OPEN DUE TO SET UP.
8	357 489	389-484	239	5					50%	
9	358 490	390-485	240						70%	Vibs WENT TO 70% DRIVE ON DIRT ROAD.
10	359 491	391-486	1						70%	
11	360 492	392-487	2						70%	
12	361 493	393-488	3			296			70%	E.O.T.# 296, TAPE MKTS
13	362 494	394-489	4	WIND strip		297			66%	B.O.T.# 297, 900 10sec ALL ONES.
14	363 494	394-489	4						70%	NOTE: A lot of TRAFFIC From MINES, 18 wheelers
15	364 495	395-490	5						70%	
16	365 496	396-491	6						70%	
17	366 497	397-492	7						70%	
18	367 498	398-493	8						70%	
19	368 499	399-494	9						70%	
20	369 500	400-495	10						70%	
21	370 501	401-496	11						70%	1st SWEEP DUMP ON TAPE From memory, file #370.
22	371 501	401-496	11						70%	
23	372 502	402-497	12						70%	
24	373 503	403-498	13						70%	
25	374 504	404-499	14			297			70%	E.O.T.# 297, TAPE MKTS

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 332Hz/32sec	SWEEP PATTERN see Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN / X /
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y11005	TYPE GEOPHONE EHL DV22R	FREQUENCY 7.5Hz
				STATION INTERVAL 330'
				LINE DIR. 1 TO 24 E-W

REMARKS 8ms sample RATE / 48sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS
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OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services 23
Division
Geosource Inc.

CLIENT <i>COORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-13-85</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#19</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSED SWEEP	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	375	505	405-500	15	windstrip	298	OUT	IN	66db	B.D.+*298, 900 10sec ALL ONES
2	376	505	405-500	15					70%	
3	377	506	406-501	16					70%	
4	378	507	407-502	17					70%	
5	379	508	408-503	18					70%	
6	380	509	409-504	19					70%	
7	381	510	410-505	20					70%	
8	382	511	411-506	21					70%	
9	383	512	412-507	22					70%	
10	384	513	413-508	23					50%	Vibs WENT BACK to 50% Drive, Due to the Road
11	385	514	414-509	24					50%	condition. BLAST ON SWEEP *7, File # 385
12	386	515	415-510	25					50%	
13	387	516	416-511	26					50%	
14	388	517	417-512	27		298			50%	F.D.+*298, TAPE MKTS
15	389	518	418-513	28	windstrip	299			66db	B.D.+*299, 900 10sec ALL ONES.
16	390	518	418-513	28					50%	
17	391	519	419-514	29					50%	
18	392	520	420-515	30					50%	
19	393	521	421-516	31					50%	
20	394	522	422-517	32					50%	
21	395	523	423-518	33					50%	
22	396	524	424-519	34					50%	
23	397	525	425-520	35					50%	
24	398	526	426-521	36					50%	
25	399	527	427-522	37					50%	

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 <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-13-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#9</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	528	428-523	38	5	<i>50% strip</i>	299	OLT	IN	50%	
2	529	429-524	39						50%	
3	530	430-525	40			299			50%	<i>EOT * 299 Tape MKTs.</i>
4	531	431-526	41	wind	strip	300			7200	<i>BOT * 300 * 900 10 sec All ones</i>
5	531	431-526	41		1				50%	
6	532	432-527	42						50%	
7	533	433-528	43						50%	<i>1st SWEEP DUMP ON TAPE From Memory, File #406</i>
8	533	433-528	43						50%	
9	534	434-529	44						50%	
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	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER	PARTY MOR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-14-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			<i>missed sweep</i>	300	OUT	IN		Recorder set at 506-507
2	934	EINT								
3	935	D.R.D								5 Vib 100' spacing, 41.25 move up, 1st Vib +56'
4	936	SUM test								Past Flag. 8 sweep, Alias 31.25, 5 STA OFFSET
5	936	N.R.J test								
6	932	similarity	1	5					50%	
7	409	WINDSTRIP	1						66db	NOTE: ALOT OF TRAFFIC FROM MINES, 18 WHEELERS
8	410	535	435-530	1	5				50%	
9	411	536	436-531	2					50%	
10	412	537	437-532	3					50%	
11	413	538	438-533	4		300			50%	E.D.T #300, TAPE MKTS
12	414	539	439-534	5	WINDSTRIP	301			66db	B.D.T #301, 900 10sec ALL ONES.
13	415	539	439-534	5					50%	NOTE: WINDS ARE BLOWING AT 12-13 M.P.H.
14	416	540	440-535	6					50%	TIME: 9:45 AM.
15	417	541	441-536	7					50%	
16	418	542	442-537	8					50%	
17	419	543	443-538	9					50%	
18	420	544	444-539	10					50%	
19	421	545	445-540	11					50%	1st SWEEP DUMP ON TAPE FROM MEMORY, FILE #421
20	422	545	445-540	11					50%	
21	423	546	446-541	12					50%	
22	424	547	447-542	13					50%	
23	425	548	448-543	14					50%	
24	426	549	449-544	15		301			50%	E.D.T #301, TAPE MKTS
25	427	550	450-545	16	WINDSTRIP	302			66db	B.D.T #302, 900 10sec ALL ONES.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <i>8.32 Hz / 32 sec</i>	SWEEP PATTERN <i>See Remarks</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i> </i>
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>S-Y1100S</i>	TYPE GEOPHONE <i>ETLDV228</i>	FREQUENCY <i>7.5 Hz</i>
REMARKS <i>8ms SAMPLE RATE / 48sec Record Length</i>		OBSERVER <i>R. PATTEN, M. RICHEY</i>	STATION INTERVAL <i>330'</i>	LINE DIR. 1 TO 24 <i>E → W</i>

REMARKS	OBSERVER	PARTY NO.
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OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-14-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	80~	AMP		
1	428	550	450-545	16	5	<i>miss sweep</i>	302	OUT	IN	50%	
2	429	551	451-546	17						50%	
3	430	552	452-547	18						50%	
4	431	553	453-548	19						50%	
5	432	554	454-549	20						50%	
6	433	555	455-550	21						50%	
7	434	556	456-551	22						50%	
8	435	557	457-552	23						50%	
9	436	558	458-553	24						50%	
10	437	559	459-554	25						50%	
11	438	560	460-555	26						50%	
12	439	561	461-556	27			302			50%	E.O.T. #302, TAPE MARKS
13	440	562	462-557	28	<i>windstrip</i>		303			60%	B.O.T. #303, 900 HZ SEC ALL ONES.
14	441	562	462-557	28						50%	
15	442	563	463-558	29						50%	
16	443	564	464-559	30						50%	
17	444	565	465-560	31						50%	
18	445	566	466-561	32						50%	
19	446	567	467-562	33						50%	
20	447	568	468-563	34						50%	
21	448	569	469-564	35						50%	
22	449	570	470-565	36						50%	
23	450	571	471-566	37						50%	
24	451	572	472-567	38						50%	
25	452	573	473-568	39			303			50%	E.O.T. #303, TAPE MARKS

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 <i>LOCORP</i>	AREA <i>Death Valley</i>	STATE <i>CAIF</i>	COUNTY <i>INYO</i>	DATE <i>1-14-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. # <i>9</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSED SWEEP	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	574	474-569	40		<i>windstrip</i>	304	<i>OUT</i>	<i>IN</i>	<i>66Db</i>	<i>B.O.T. #304, 900 10sec ALL ONES</i>
2	574	474-569	40						<i>50%</i>	
3	575	475-570	41						<i>50%</i>	
4	576	476-571	42						<i>50%</i>	
5	577	477-572	43						<i>50%</i>	
6	578	478-573	44						<i>50%</i>	
7	579	479-574	45						<i>50%</i>	<i>1st sweep DUMP ON TAPE FROM MEMORY, file #459</i>
8	579	479-574	45						<i>50%</i>	
9	<i>SKIP</i>	480-575	46						<i>SKIP</i>	<i>Due to cross country.</i>
10	581	481-576	47						<i>50%</i>	
11	582	482-577	48						<i>50%</i>	
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			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**

CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-17-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. 29	

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			^{MISS SWEEP} 31.25	304	OUT	IN		Recorder set at 554-555
2	935 EINT	2-11"								
3	939 D.R.D	4-11"								5 Vib's 100' spacing 41.25 MOVE UP, 1st Vib
4	954 sumtest	2-11"								+56' Past Flag. 8 sweep, miss 31.25, 5 STA OFFSET
5	961 N.R.J. test	2-11"								
6	932 Similarity	1-32sec	1	5		304			50%	E.O.T. #304, TAPE MKTS. A LOT OF Jet planes flying over Live.
7	463 windstrip	1-48sec	1			305			66%	B.O.T. #305, 900 msec ALL ONES.
8	464 583	483-578	1	5					50%	NOTE: A lot of traffic from mine, 18 wheelers.
9	465 584	484-579	2						50%	
10	466 585	485-580	3						50%	WINDS ARE BLOWING AT 12 M.P.H., steady, time 9:40
11	467 586	486-581	4						50%	
12	468 587	487-582	5						50%	
13	469 588	488-583	6						50%	
14	470 589	489-584	7						50%	
15	471 590	490-585	8						50%	
16	472 591	491-586	9						50%	
17	473 592	492-587	10						50%	
18	474 593	493-588	11						50%	
19	475 594	494-589	12						50%	
20	476 595	495-590	13			305			50%	E.O.T. #305, TAPE MKTS
21	477 596	496-591	14		windstrip	306			66%	B.O.T. #306, 900 msec ALL ONES.
22	478 596	496-591	14						50%	
23	479 597	497-592	15						50%	1st sweep Dump ON TAPE From memory, File 479
24	480 597	497-592	15						50%	
25	481 598	498-593	16						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X		TOTAL FIELD TIME	
DRIVING TIME		SYSTEM NO.		TOTAL COVERAGE	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100's	TYPE GEOPHONE ETLDV22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample rate / 48 sec Record Length		OBSERVER R. PATTON, M. Bickey		PARTY MGR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 29

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-17-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#9</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	80 ~	AMP		
1	482	599	499-594	17	5	<i>missed sweep</i>	306	<i>cut</i>	<i>in</i>	50%	
2	483	600	500-595	18						50%	
3	484	601	501-596	19						50%	
4	485	602	502-597	20						50%	
5	486	603	503-598	21						50%	
6	487	604	504-599	22						50%	<i>NOTE: A lot of Jet Planes Flying OVER LINE.</i>
7	488	605	505-600	23						50%	
8	489	606	506-601	24			306			50%	<i>E.O.T. #306, TAPE MKTS</i>
9	490	607	507-602	25		<i>windstrip</i>	307			66%	<i>B.O.T. #307, 900 msec ALL ONES.</i>
10	491	607	507-602	25						50%	
11	492	608	508-603	26						50%	
12	493	609	509-604	27						50%	
13	494	610	510-605	28						50%	
14	495	611	511-606	29						50%	
15	496	612	512-607	30						50%	
16	497	613	513-608	31						50%	
17	498	614	514-609	32						50%	
18	499	615	515-610	33						50%	
19	500	616	516-611	34						50%	
20	501	617	517-612	35						50%	
21	502	618	518-613	36			307			50%	<i>E.O.T. #307, TAPE MKTS</i>
22	503	619	519-614	37		<i>windstrip</i>	308			66%	<i>B.O.T. #308, 900 msec ALL ONES.</i>
23	504	619	519-614	37						50%	<i>NOTE: BLAST ON SWEEP #526, File #504.</i>
24	505	620	520-615	38						50%	<i>1st Sweep Dump ON TAPE From memory, File #505</i>
25	506	620	520-615	38						50%	

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 <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CAIF</i>	COUNTY <i>INYO</i>	DATE <i>1-17-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	621	521-616	39	5	<i>multi sweep</i>	308	OUT	IN	50%	
2	622	522-617	40						50%	
3	623	523-618	41		1				50%	
4	624	524-619	42		1				50%	
5										
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 COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-18-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #9	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE				308	OUT	IN		Recorder SET #4 596-597
2	934	EINT								
3	935	D.R.D								5 Vib 100' spacing 41.25 MOVE UP. 1st Vib 7.56" PAST FLAG. 8 SWEEP, ALIAS 31.25, 5SM OFFSET.
4	936	SUMREST								
5	937	N.R.T. test								
6	932	SIMILARITY	1	5					50%	
7	511	WINDSTRIP	1	5					66db	NOTE: A lot of Jet Planes Flying OVER line.
8	512	625	525-620	1	5				50%	NOTE: A lot of TRAFFIC FROM MINES, 18 wheelers.
9	513	626	526-621	2		308			50%	E.O.T #308, TAPE MKTS
10	514	627	527-622	3	WINDSTRIP	309			66db	B.O.T #309, 900 10sec ALL ONES.
11	515	627	527-622	3					50%	
12	516	628	528-623	4					50%	
13	517	629	529-624	5					50%	
14	SKIP	630	530-625	6					SKIP	Due to MINES.
15	518	631	531-626	7					50%	
16	519	632	532-627	8					50%	
17	520	633	533-628	9					50%	
18	521	634	534-629	10					50%	
19	522	635	535-630	11					50%	1st sweep Dump on TAPE From memory File #522
20	523	635	535-630	11					50%	
21	524	636	536-631	12					50%	
22	525	637	537-632	13					50%	
23	526	638	538-633	14					50%	
24	527	639	539-634	15		309			50%	E.O.T #309, TAPE MKTS
25	528	640	540-635	16	WINDSTRIP	310			66db	B.O.T #310, 900 10sec ALL ONES.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN See Remark		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN x		GEOPHONES PER PATCH 24	
NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 5-1100's		TYPE GEOPHONE EADV22R	
FREQUENCY 7.5 Hz		STATION INTERVAL 330'		LINE DIR. 1 TO 24 F → N	
REMARKS 8ms SAMPLE RATE / 48sec Record Length			OBSERVER R. PATTON, M. RICHEY		PARTY MGR. L. DAVIS

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 32

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-18-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#9</i>

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	529	640	540-635	16	5	<i>310</i>	<i>OUT</i>	<i>IN</i>	50%	
2	530	641	541-636	17					50%	
3	531	642	542-637	18					50%	
4	532	643	543-638	19					50%	
5	533	644	544-639	20					50%	
6	534	645	545-640	21					50%	
7	535	646	546-641	22					20%	<i>Vibs went to LOW DRIVE, 20% Due to MINE SHAFT</i>
8	536	647	547-642	23					20%	
9	SKIP	648	548-643	24					SKIP	<i>Due to MINE SHAFT.</i>
10	SKIP	649	549-644	25					SKIP	<i>" " " "</i>
11	SKIP	650	550-645	26					SKIP	<i>" " " "</i>
12	537	651	551-646	27					20%	
13	538	652	552-647	28					20%	
14	539	653	553-648	29					50%	<i>Vibs are at 50% DRIVE,</i>
15	540	654	554-649	30		<i>310</i>			50%	<i>E.O.T. #310, TAPE MARKS</i>
16	541	655	555-650	31	<i>winds skip</i>	<i>311</i>			60%	<i>R.O.T. #311, 900 10sec ALL ONES.</i>
17	542	655	555-650	31					50%	
18	543	656	556-651	32					20%	<i>Vibs went to LOW DRIVE, 20%, Due to MINE SHAFT.</i>
19	544	657	557-652	33					20%	
20	545	658	558-653	34					20%	
21	546	659	559-654	35					50%	<i>Vibs went BACK TO 50% DRIVE.</i>
22	547	660	560-655	36					50%	
23	548	661	561-656	37					50%	
24	549	662	562-657	38					50%	<i>1st Sweep Dump ON TAPE from memory, File # 549.</i>
25	550	662	562-657	38					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER		PARTY MOR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 33

CLIENT <i>COCORP.</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-18-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#9</i>

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	663	563-658	39	5	<i>missed 50% sweep</i>	311	OUT	IN	50%	
2	664	564-659	40						50%	
3	665	565-660	41			311			50%	<i>E.O.T. #311, TAPE MKTS</i>
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TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY			SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS		OBSERVER				PARTY MGR.					

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CAIF	COUNTY INYO	DATE 1-19-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER cloudy - windy	LINE NO. #9	

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			312	312	OUT	IN		B.O.T. #312, 900 10sec ALL ONES.
2	934 EINT	2- " "								Record SET AT 6:37-6:38
3	935 D.R.D	4- " "								5 Vibs 100' spacing 41.25 MOVE UP. 1st Vib +56'
4	936 sum test	2- " "								PAST FLAG. 8. same as, Alias 31.25, 5 STA OFFSET
5	937 N.R. J test	2- " "								WINDS ARE AT 22-26 M.P.H., time is 8:05.
6	932 similarity	1-32sec	1	5					20%	Vibs are AT LOW DRIVE, DUE TO MINE SHAFT NEAR BY.
7	554 WINDSTRIP	1-48sec	1						66%	NOTE: A lot of Jet Planes Flying OVER LINE.
8	555 666	566-661	1	5					50%	
9	556 667	567-662	2						50%	WIND HAVE SLOWED DOWN TO 10-12 M.P.H. TIME 10:00
10	557 668	568-663	3						50%	
11	558 669	569-664	4						50%	
12	559 670	570-665	5						50%	
13	560 671	571-666	6						50%	
14	561 672	572-667	7						20%	Vibs went to 20% Drive, DUE TO MINE SHAFT.
15	562 673	573-668	8						20%	
16	563 674	574-669	9						50%	Vibs went BACK TO 50% DRIVE.
17	564 675	575-670	10		1	312			50%	E.O.T. #312, TAPE MKTS
18	565 676	576-671	11			313			66%	B.O.T. #313, 900 10sec ALL ONES.
19	566 676	576-671	11						20%	Vibs went to 20% Drive, DUE TO MINE SHAFT.
20	SKIP 677	577-672	12							SKIP WIND ARE 8-12 M.P.H. TIME IS 11:30 AM
21	SKIP 678	578-673	13							SKIP DUE TO MINE SHAFT.
22	567 679	579-674	14						20%	Stacked LAST HALF.
23	568 680	580-675	15						20%	
24	SKIP 681	581-676	16							SKIP STA #681-683 SKIP DUE TO HOUSES.
25	569 684	584-679	19						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32HZ/32sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X		GEOPHONES PER PATCH 24	
NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 5-Y1106's		TYPE GEOPHONE EFLDV22B	
FREQUENCY 7.5HZ		STATION INTERVAL 330'		LINE DIR. 1 TO 24 E → W	
REMARKS 8ms sample rate/48sec Record Length			OBSERVER R. PATTON, M. Richey		PARTY MGR. J. DAVIS

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-19-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear - Windy	LINE NO. #9	

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	570	685	585-680	20	5	MISSED SWEEP 313	XIF	IN	50%	Vibs went to 50% Drive
2	571	686	586-681	21					50%	1st SWEEP DUMP ON TAPE From memory "File # 571.
3	572	686	586-681	21					50%	
4	573	687	587-682	22					50%	
5	574	688	588-683	23					50%	
6	575	689	589-684	24					50%	
7	576	690	590-685	25					50%	
8	577	691	591-686	26		313			50%	E.O.T. *313, TAPE MKTS
9	578	692	592-687	27	Windstrip	314			66Db	B.O.T. *314, 900 10sec ALL ONES.
10	579	692	592-687	27					50%	
11	580	693	593-688	28					50%	
12	SKIP	694	594-689	29					SKIP	Due to Rock slide AREA.
13	581	695	595-690	30					50%	
14	582	696	596-691	31					50%	
15	583	697	597-692	32					50%	
16	584	698	598-693	33					50%	
17	585	699	599-694	34					50%	
18	586	700	600-695	35					50%	
19	587	701	601-696	36					50%	
20	588	702	602-697	37					50%	
21	589	703	603-698	38					50%	STA *699 OPEN
22	590	704	604-699	39		314			50%	E.O.T. *314, TAPE MKTS
23	591	705	605-700	40	Windstrip	315			66Db	B.O.T. *315, 900 10sec ALL ONES
24	592	705	605-700	40					50%	
25	593	706	606-701	41					50%	

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

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Explora
Division
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>1-19-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#9</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	707	607-702	42	5	MISSING	315	OUT	IN	50%	
2	708	608-703	43						50%	
3	709	609-704	44						50%	
4	710	610-705	45						50%	
5	711	611-706	46			315			50%	<i>E.O.L. # 315, TAPE MKTS, E.O.L. # 9.</i>
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*Peter Melnar & Clark Burchfiel From MIT.
Accompanied by 40-45 Students Visited crew
To observe operation on 1-18-83*

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.		