

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-30-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Shoulder of Black Top</i>	WEATHER <i>Very Windy, 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	60~	AMP	
1	933	PULSE				268	OUT	IN		B.O.T #268, 900 10sec ALL ONES
2	934	FINI								Recorder set at 72-73
3	936	D.R.D								5 Vib 100' spacing ON shoulder of Road
4	933	SUMTEST								41.25 moved UP, 1st Vib +56 Past Flag. 8 sweep
5	960	N.R.J. test								Alais 31.25, 5 STA OFFSET.
6	932	SIMILARITY	1	5						Winds are 15 M.P.H. steady, Gusted at 20-22 M.P.H.
7	001	WINDSTRIP	1							
8	002	101	1	5					50%	Vibs ON shoulder of Road.
9	003	102	2						50%	
10	004	103	3						50%	
11	005	104	4						50%	WINDS ARE 15-17 M.P.H. STEADY, Gusted to 21-24 M.P.H.
12	006	105	5						50%	
13	007	106	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 <i>8.32 Hz / 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>EHL DV22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms sample RATE / 48.5sec Record Length</i>			OBSERVER <i>R. PATTON, M. Richey</i>	PARTY MGR. <i>L. DAVIS</i>	

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Exploration Services
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CLIENT COCORP	AREA CAIF, Death Valley	STATE CAIF	COUNTY INYO	DATE 12-31-82
CREW NO. 6834	TERRAIN Dirt Shoulders of Blacktop	WEATHER clear	LINE NO. 79	

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			1/5 sec Sweep	268	OUT	IN		Recorder set at 77-78
2	934 EMT	2-11 "								5 Vibs 100' spacing 41.25 MOVE UP. 1st VIB +56'
3	936 DRD	4-11 "								Past Flag. 8 sweep, 5 STA OFFSET.
4	935 SUMP test	2-11 "								
5	969 N.R. test	2-11 "								Wind Blowing steady at 12 M.P.H. Time 10:00
6	932 SIMILARITY	1-32sec	1	5		268				50% E.O.T* 268, TAPE MKTS
7	008 WINDSHIP	1-48sec	1			269				66db B.O.T* 269, 900 msec ALL ONES
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							" " " "
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 → 32 Hz / 32 sec	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 E+LDV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length		OBSERVER B. PATTON, M. Richey		PARTY MGR. Z. 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			REMARKS
							LOCUT	60~	AMP	
1	021	128	28-123	23	5	<i>MISSING SWEEP</i> 269	OUT	IN	50%	E.O.T #269, TAPE MKTS
2	022	129	29-124	24	<i>wind strip</i>	270			66db	B.O.T #270, 900 10sec ALL ONES. BLAST ON WINDSTRIP, LAST
3	023	129	29-124	24					50%	8sec OF Record. BLASTING IN AREA.
4	024	130	30-125	25					50%	Vib ON left SIDE OF Road.
5	025	131	31-126	26					50%	
6	026	132	32-127	27					50%	BLAST ON SWEEP #4, File #026.
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%	Vibs BACK ON Right SIDE OF Road.
15	035	141	41-136	36		270			50%	E.O.T #270, TAPE MKTS.
16	036	142	42-137	37	<i>wind strip</i>	271			66db	B.O.T #271, 900 10sec ALL ONES.
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 MGR.		

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CAIF</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>29</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	SKIP 197	97-192	5	5	<i>MISSED SWEEP</i>	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		<i>wind strip</i>	274			66db	B.O.T*274, 900 10SEC 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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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	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 PULSE	1-6sec			MISSED SWEEP	274	OUT	IN		Recorder set at 187-188
2	934/935 EINT	2-4 "								
3	936/937 D.R.D	4-11 "								5 Vib 100' spacing 41.25 make up. 1st Vib +56'
4	938/939 SLMtest	2-11 "								PAST FLAG. 8 SWEEP, A1A1S 31.25, 5 STA OFFSET.
5	940/941 N.R.J. test	2-11 "								
6	932 SIMILARITY	1-32sec	1	5		274			50%	E.O.T #274, TAPE MKTS.
7	083 WINDSTRIP	1-48sec	1			275			66db	B.O.T #275, 900 10sec ALL ONES.
8	084 216	116-211	1	5					50%	
9	085 217	117-212	2						50%	
10	086 218	118-213	3						50%	
11	087 219	119-214	4						50%	
12	088 220	120-215	5						50%	
13	089 221	121-216	6						50%	
14	090 222	122-217	7						50%	
15	091 223	123-218	8						50%	
16	092 224	124-219	9						50%	
17	093 225	125-220	10						50%	
18	094 226	126-221	11						50%	
19	095 227	127-222	12			275			50%	EOT #275 TAPE MKTS.
20	096 228	128-223	13	wind	strip	276			66db	BOT #276 #900 10sec ALL ONES.
21	097 228	128-223	13		1				50%	
22	098 229	129-224	14						50%	
23	099 230	130-225	15						50%	
24	100 231	131-226	16	4					50%	Vib # 23652 DOWN NOT RECEIVING TONES. want shake.
25	101 232	132-227	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 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 ETE L D V 228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE / 48sec Record Length	OBSERVER R. PATTON, M. RICHES	PARTY MGR. 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 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			REMARKS
							LOCUT	60 ~	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 All 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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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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			REMARKS
							LOCUT	60~	AMP	
1	141	269	169-264	17	5	MISSA 279	OUT	IN	50%	
2	142	270	170-265	18					50%	
3	SKIP	271	171-266	19					SKIP	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 strip	280			60%	B.O.T.*280, 900 10SEC ALL ONES.
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					SKIP	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 MGR.	

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.** 10

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			REMARKS
							LOCUT	60 ~	AMP	
1	933 PULSE	1-6sec			MISSING Sweep	280	OUT	IN		Recorder set at 255-256
2	934 EINT	2-11"								
3	936 D.R.D	4-11"								5 Vibs 100' spacing 41.25 move up, 1st vib +56' past flag. 8-sweep, always 31.25, 50% offset.
4	938 sum test	2-11"								
5	960 N.R.S. test	2-11"								
6	932 Similarity	1-32sec	1	5		280			50%	E.O.T #280, TAPE MKTS
7	156 WINDSTRIP	1-48sec	1			281			60%	B.O.T #281, 900 10sec ALONES.
8	157 284	184-279	1	5					50%	
9	158 285	185-280	2						50%	
10	159 286	186-281	3						50%	
11	160 287	187-282	4						50%	
12	SKIP 288	188-283	5						SKIP	Due to no shoulder
13	161 289	189-284	6						50%	Vibs ON LEFTSIDE OF Road.
14	162 290	190-285	7						50%	
15	163 291	191-286	8						50%	
16	164 292	192-287	9						50%	
17	165 293	193-288	10						50%	BLAST ON sweep #5, File #165.
18	166 294	194-289	11						50%	1st sweep Dump ON memory, File #166.
19	167 294	194-289	11						50%	
20	168 295	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 5-Y1100's	TYPE GEOPHONE EHL0V22B	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		

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CLIENT COCOPP	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.	F L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec			missed sweeps	282	OUT	IN		B.O. #282, 900/10sec ALL ONES.
2	934/935 EINT	2 - " "								Recorder set AT 267-268
3	936/939 D.R.D	4 - " "								5 Vibs 100' spacing, 41.25' move up 1st Vibs starts +56' past Flag, 8 sweeps, Alais 31.25, 5 station offset.
4	953/954 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%	Vibs on Right side of Road.
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%	got a Blast on Sweep # 7 File # 176.
15	177 303	203-298	8						50%	Vibs moved to LEFT side of Road.
16	178 304	204-299	9						50%	Stacked 1st half.
17	SKIP 305	205-300	10						SKIP	Due to NO Shoulder
18	179 306	206-301	11						50%	stacked last half. Vibs Back on Right side of Road.
19	180 307	207-302	12			282			50%	stack 1st half. Vibs on LEFT side of Road. EOT #282 tape mks.
20	SKIP 308	208-303	13						SKIP	Due to NO Shoulder.
21	SKIP 309	209-304	14						SKIP	" " " "
22	181 310	210-305	15		wind strip	283			66db	Bot #283 #900 10sec All ones.
23	182 310	210-305	15						50%	Vibs on Right side of Road.
24	183 311	211-306	16	4					50%	Vib #17311 Down.
25	SKIP 312	212-307	17						SKIP	Due to NO Shoulder

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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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
REMARKS 8 ms sample Rate / 48 sec Record Length			OBSERVER R. Patton / M. Richey	PARTY MGR. S. Davis.

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Geosource Inc.**

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CLIENT COCORP	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.	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 Live, 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	strip 284			72db	ROT #284 #900 10 sec 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 MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

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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	Missed Sweeps	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	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
Division
Geosource Inc.**

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CLIENT Cocorp	AREA Death Valley	STATE California	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	933	Pulse	1-6 sec			missed 285	OUT	IN		Recorder SET AT 316-317
2	934/935	E.P.M.T	2- " "							
3	936/939	D.R.D.	4- " "							5 Vib 100'S DAKING 41.25 MOVE UP 1st Vib +56'
4	953/954	Sum TEST	2- " "							PAST FLAG. 8 SWEEP, ALIAS 31.25, SSTA OFFSET.
5	960/961	NRT TEST	2- " "							
6	932	Similarity	1-32 sec	1	5					50%
7	212	Wind strip	1-48 sec	1						70db
8	213	345	245-340	1	5					50%
9	214	346	246-341	2						50%
10	215	347	247-342	3						50%
11	216	348	248-343	4						50%
12	217	349	249-344	5						50%
13	218	350	250-345	6						50% STAKED 1st HALF
14	219	351	251-346	7						50% Vib ON LEFT SIDE OF ROAD.
15	220	352	252-347	8		285				50% E.O. + #285, TAPE MKS
16	221	353	253-348	9	WIND strip	286				66db B.O. + #286, 900 10sec ALIENS
17	222	353	253-348	9						50%
18	223	354	254-349	10						50% 1st SWEEP DUMP ON TAPE FROM memory. File #223
19	224	354	254-349	10						50%
20	225	355	255-350	11						50%
21	226	356	256-351	12						50%
22	227	357	257-352	13						50% Vib BACK ON RIGHT SIDE OF ROAD.
23	228	358	258-353	14						50%
24	229	359	259-354	15						50%
25	230	360	260-355	16						50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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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-Y1100LS	TYPE GEOPHONE E+LDV228	FREQUENCY 7.5Hz
STATION INTERVAL 330'		LINE DIR. 1 TO 24 E-W		

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

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Death Valley	STATE CA/IF	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	missed sweep 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	windstrip	287			66db	B.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	windstrip	288			66db	B.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
Division
Geosource Inc.**

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CLIENT COCORP	AREA Death Valley	STATE CAIF	COUNTY INYO	DATE 1-10-85
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	SKIP 384	284-379	40	5	MISC Sweep	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 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 1-11-83
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			missed sweep	289	OUT	IN		Recorder SEP AT 373-374
2	934	EINT								B.O.T # 289, 900, 10sec ALL ONES.
3	935	D.R.D								5 Vibs 100 spacing 41.25 MOVE UP, 1st Vib +56'
4	936	SUMTEST								PAST FLAG - 8 SWEEP, Alias 31.25, 5 STA OFFSET.
5	937	N.R.J. test								
6	932	similarity	1	5					50%	
7	261	WINDSTRIP	1						66db	
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			72db	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	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR S-V1100's	TYPE GEOPHONE ETLDVDB	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE / 48sec Record Length			OBSERVER R. PATTON, M. Rich	PARTY MGR. 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>missed 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>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>A9</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	<i>PULSE</i>	<i>1-6sec</i>			<i>Missed Sweep</i>	<i>292</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 411-412</i>
2	<i>EINT</i>	<i>2-11"</i>								
3	<i>D.R.D</i>	<i>4-11"</i>								<i>5 Vib 100' spacing 41.25 move up, 1st Vib +56'</i>
4	<i>sum test</i>	<i>2-11"</i>								<i>Past Flag. 8 sweep, Alias 31.25, 5 STA OFFSET</i>
5	<i>N.R.5 test</i>	<i>2-11"</i>								
6	<i>similarity</i>	<i>1-32sec</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
7	<i>windstrip</i>	<i>1-48sec</i>	<i>1</i>						<i>66db</i>	
8	<i>440</i>	<i>340-435</i>	<i>1</i>	<i>5</i>					<i>50%</i>	<i>Vibs on left side of road</i>
9	<i>441</i>	<i>341-436</i>	<i>2</i>						<i>50%</i>	
10	<i>442</i>	<i>342-437</i>	<i>3</i>						<i>50%</i>	
11	<i>443</i>	<i>343-438</i>	<i>4</i>						<i>50%</i>	
12	<i>444</i>	<i>344-439</i>	<i>5</i>			<i>292</i>			<i>50%</i>	<i>E.O.T. #292, TAPE MKTS</i>
13	<i>445</i>	<i>345-440</i>	<i>6</i>	<i>windstrip</i>		<i>293</i>			<i>66db</i>	<i>B.O.T. #293, 900 10sec ALL ONES.</i>
14	<i>445</i>	<i>345-440</i>	<i>6</i>						<i>50%</i>	
15	<i>446</i>	<i>346-441</i>	<i>7</i>						<i>50%</i>	<i>1st SWEEP DUMP ON TAPE FROM MEMORY, File #312.</i>
16	<i>446</i>	<i>346-441</i>	<i>7</i>						<i>50%</i>	
17	<i>447</i>	<i>347-442</i>	<i>8</i>						<i>50%</i>	
18	<i>448</i>	<i>348-443</i>	<i>9</i>						<i>50%</i>	
19	<i>449</i>	<i>349-444</i>	<i>10</i>						<i>50%</i>	
20	<i>450</i>	<i>350-445</i>	<i>11</i>						<i>50%</i>	
21	<i>451</i>	<i>351-446</i>	<i>12</i>						<i>50%</i>	
22	<i>452</i>	<i>352-447</i>	<i>13</i>						<i>50%</i>	
23	<i>453</i>	<i>353-448</i>	<i>14</i>						<i>50%</i>	
24	<i>454</i>	<i>354-449</i>	<i>15</i>						<i>50%</i>	
25	<i>455</i>	<i>355-450</i>	<i>16</i>						<i>50%</i>	

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>	LINE DIR. <i>1 TO 24 E → W</i>		

**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>1-12-83</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			REMARKS
							LOCUT	60 ~	AMP	
1	456	356-451	17	5	<i>missed sweep</i>	293	OUT	IN	50%	E.O.T. #293, TAPE MKTS
2	457	357-452	18		<i>wind strip</i>	294			66db	B.O.T. #294, 900 10sec ALL ONES.
3	457	357-452	18						50%	
4	SKIP	358-453	19						SKIP	Due to NO shoulder.
5	SKIP	359-454	20						SKIP	Due to SOFT shoulder.
6	SKIP	360-455	21						SKIP	" " "
7	SKIP	361-456	22						SKIP	" " "
8	462	362-457	23	4					50%	Vibs are ON dirt road. Vib #23651 Down, hydraulic
9	463	363-458	24						50%	leak ON BACK MOTOR.
10	464	364-459	25						50%	
11	465	365-460	26		1				50%	
12	466	366-461	27						50%	
13	467	367-462	28	5					50%	Vib #23651, BACK ON LINE
14	468	368-463	29						50%	
15	469	369-464	30		1				50%	
16	470	370-465	31						50%	
17	471	371-466	32						50%	
18	472	372-467	33						50%	
19	473	373-468	34			294			50%	E.O.T. #294, TAPE MKTS
20	474	374-469	35		<i>wind strip</i>	295			66db	B.O.T. #295, 900 10sec ALL ONES.
21	474	374-469	35						50%	
22	475	375-470	36						50%	
23	476	376-471	37						50%	
24	477	377-472	38						50%	1st sweep DUMP ON TAPE FROM memory, File #342
25	477	377-472	38						50%	BLAST ON sweep #3, File 343

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.

21

CLIENT <i>COCORIP</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 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	344	478	378-473	39	5	<i>missed sweep</i> 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%	<i>F.O.T. #295, TAPE MKTS</i>
8	351	485	385-480	46	<i>wind strip</i>	296			66db	<i>B.O.T. #296, 900 10sec MILLIKES.</i>
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 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 1-13-83
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.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 PULSE	1-6sec				296	OUT	IN		Recorder SET AT 462-463
2	934 EINT	2- " "								
3	935 D.R.D	4- " "								5 Vibs 100' spacing 41.25 MOVE UP, 1st Vib
4	936 SUM test	2- " "								756' PAST FLAG. 8 SWEEP, ALIAS 31.25, 5 STR OFFSET.
5	937 N.R.J test	2- " "								
6	932 Similarity	1-32sec	1	5					50%	
7	356 WIND strip	1-48sec	239						66db	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			66db	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.
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 E+L DV22R	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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	missed sweep	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	375	505	405-500	15	windstrip	298	OUT	IN	66Db	B.O.T #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.O.T #298, TAPE MKTS
15	389	518	418-513	28	windstrip	299			66Db	B.O.T #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>49</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	400	528	428-523	38	5	<i>missed sweep</i> 299	OUT	IN	50%	
2	401	529	429-524	39					50%	
3	402	530	430-525	40		299			50%	<i>End #299 Tape MKTs.</i>
4	403	531	431-526	41	wind	strip 300			72db	<i>BOT #300 #900 10 sec All ones</i>
5	404	531	431-526	41		1			50%	
6	405	532	432-527	42					50%	
7	406	533	433-528	43					50%	<i>1st sweep Dump ON TAPE From Memory, File 406</i>
8	407	533	433-528	43					50%	
9	408	534	434-529	44					50%	
10										
11										
12										
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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
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>1-14-83</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.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE				300	OUT	IN		Recorder SET AT 506-507
2	934	EINT								
3	935	D.R.D								5 Vibs 100' spacing 41.25 MOVE UP, 1st Vib +56'
4	936	SUM test								Past Flag. 8sweep, Alias 31.25, 5 STA OFFSET
5	937	N.R.J test								
6	932	SIMILACITY	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%	F.D.T #300, TAPE MKTS
12	414	539	439-534	5	WINDSTRIP	301			66db	B.O.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 A.M.
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%	F.D.T #301, TAPE MKTS
25	427	550	450-545	16	WINDSTRIP	302			66db	B.O.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>8-32HZ/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-V1100S</i>	TYPE GEOPHONE <i>ETLDV22B</i>	FREQUENCY <i>7.5HZ</i>
REMARKS <i>8ms SAMPLE RATE/48sec Record Length</i>		OBSERVER <i>R. Patton, M. Richey</i>	PARTY MGR. <i>L. Davis</i>	STATION INTERVAL <i>330'</i>

**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.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	428	550	450-545	16	5	<i>missed 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 MKTS
13	440	562	462-557	28	<i>wind strip</i>	303			66db	B.O.T. #303, 900 10SEC. 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 MKTS

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.**

27

CLIENT <i>COCORP</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.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	453	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	454	574	474-569	40					<i>50%</i>	
3	455	575	475-570	41					<i>50%</i>	
4	456	576	476-571	42					<i>50%</i>	
5	457	577	477-572	43					<i>50%</i>	
6	458	578	478-573	44					<i>50%</i>	
7	459	579	479-574	45					<i>50%</i>	<i>1st sweep DUMP ON TAPE From memory, file #459</i>
8	460	579	479-574	45					<i>50%</i>	
9	<i>SKIP</i>	580	480-575	46					<i>SKIP</i>	<i>Due to cross country.</i>
10	461	581	481-576	47					<i>50%</i>	
11	462	582	482-577	48					<i>50%</i>	
12										
13										
14										
15										
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17										
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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
Division
Geosource Inc.**

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CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 1-17-83
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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE				304	OUT	IN		Recorder SET AT 554-555
2	934	EINT								
3	935	D.R.D								5 Vibs 100' spacing 41.25 MOVE UP, 1st Vib
4	936	SUMTEST								+56' PAST FLAG. 8 SWEEP, MINS 31.25, 5STA OFFSET
5	937	N.R.J. test								
6	932	Similarity	1	5		304			50%	E.O.T.#304, TAPE MKTS. A LOT OF JET PLANES FLYING OVER LINE.
7	463	WINDSTRIP	1			305			66db	R.O.T.#305, 900 10sec ALL ONES.
8	464	583	1	5					50%	NOTE: ALOT OF TRAFFIC FROM MINE, 18 WHEELERS.
9	465	584	2						50%	
10	466	585	3						50%	WINDS ARE BLOWING AT 12 M.P.H., STEADY, TIME 9:40
11	467	586	4						50%	
12	468	587	5						50%	
13	469	588	6						50%	
14	470	589	7						50%	
15	471	590	8						50%	
16	472	591	9						50%	
17	473	592	10						50%	
18	474	593	11						50%	
19	475	594	12						50%	
20	476	595	13			305			50%	E.O.T.#305, TAPE MKTS
21	477	596	14			306			66db	R.O.T.#306, 900 10sec ALL ONES.
22	478	596	14						50%	
23	479	597	15						50%	1st SWEEP DUMP ON TAPE FROM MEMORY, FILE 479
24	480	597	15						50%	
25	481	598	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 5-1100's	TYPE GEOPHONE ETLDV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec 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.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	482	599	499-594	17	5	<i>missed sweep</i>	306	OUT	IN	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>wind strip</i>	307			66%	<i>B.O.T. #307, 900 10sec 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>wind strip</i>	308			66%	<i>B.O.T. #308, 900 10sec 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
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>1-17-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>29</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	507	621	521-616	39	5	<i>missed sweep</i> 308	OUT	IN	50%	
2	508	622	522-617	40					50%	
3	509	623	523-618	41	1				50%	
4	510	624	524-619	42	1				50%	
5										
6										
7										
8										
9										
10										
11										
12										
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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
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	60 ~	AMP	
1	933	PULSE				308	OUT	IN		Recorder SET #4 596-597
2	934	EINT								
3	935	D.R.D								
4	936	SUM test								5 Vibs 100' spacing 41.25 MOVE UP. 1st Vib 7.56' PAST FLAG. 8 SWEEP, ALIAS 31.25, 5TH OFFSET.
5	937	N.R.J. test								
6	932	SIMILARITY	1	5					50%	
7	511	WINDSTRIP	1						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.
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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 ETLDV22B	FREQUENCY 7.5 Hz
STATION INTERVAL 330'		LINE DIR. 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
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.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	529	640	540-635	16	5	<i>Missed Sweep</i> 310	OUT	IN	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					50%	<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		310			50%	<i>E.O.T.#310, TAPE MKCS</i>
16	541	655	555-650	31	<i>windstrip</i>	311			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	<i>1</i>				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 MGR.	

**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	<i>663</i>	<i>563-658</i>	<i>39</i>	<i>5</i>	<i>missed SWEEP</i>	<i>311</i>	<i>OUT</i>	<i>IN</i>	<i>50%</i>	
2	<i>664</i>	<i>564-659</i>	<i>40</i>						<i>50%</i>	
3	<i>665</i>	<i>565-660</i>	<i>41</i>			<i>311</i>			<i>50%</i>	<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 <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CAIF</i>	COUNTY <i>INYO</i>	DATE <i>1-19-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>cloudy - windy</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			<i>missed sweep</i>	312	OUT	IN		B.O.T. #312, 900 10sec ALL ONES.
2	934	EINT								Record SET AT 6:37-6:38
3	935	D.R.D								5 Vibs 100' spacing 41.25 MOVE UP. 1st Vib +56'
4	936	sum test								PAST FLAG. 8 sweep, Alias 31.25, 5 STA OFFSET
5	937	N.R. J test								WINDS ARE AT 22-26 M.P.H. TIME IS 8:05.
6	932	SIMILARITY	1	5					20%	Vibs ARE AT LOW DRIVE, DUE TO MINE SHAFT NEAR BY.
7	534	WINDSTRIP	1						66Db	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		312			50%	E.O.T. #312, TAPE MKTS
18	565	676	576-671	11	WINDSTRIP	313			66Db	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%	STAKED 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.
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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> 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>EFLDV22B</i>	FREQUENCY <i>7.5 Hz</i>
			STATION INTERVAL <i>330'</i>	LINE DIR. 1 TO 24 <i>F → W</i>

REMARKS <i>8ms sample RATE / 48sec Record Length</i>	OBSERVER <i>B. PATTON, M. Richey</i>	PARTY MGR. <i>Z. DAVIS</i>
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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>1-19-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear - windy</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	570	685	585-680	20	5	<i>MISSED SWEEP</i>	313	OUT	1K	50%	<i>Vibs went to 50% DRIVE</i>
2	571	686	586-681	21						50%	<i>1st SWEEP DUMP ON TAPE From memory #File #571.</i>
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%	<i>E.O.T. #313, TAPE MKTS</i>
9	578	692	592-687	27	<i>Windstrip</i>		314			66Db	<i>B.O.T. #314, 900 10sec ALL ONES.</i>
10	579	692	592-687	27						50%	
11	580	693	593-688	28						50%	
12	SKIP	694	594-689	29						SKIP	<i>Due to Rock slide AREA.</i>
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%	<i>STA #699 OPEN</i>
22	590	704	604-699	39			314			50%	<i>E.O.T. #314, TAPE MKTS</i>
23	591	705	605-700	40	<i>Windstrip</i>		315			66Db	<i>B.O.T. #315, 900 10sec ALL ONES</i>
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.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	594	707	607-702	42	5	<i>Missed Sweep</i> 315	OUT	IN	50%	
2	595	708	608-703	43					50%	
3	596	709	609-704	44					50%	
4	597	710	610-705	45					50%	
5	598	711	611-706	46		315			50%	<i>E.O.T. # 315, TAPE MKTS, F.O.I. # 9.</i>
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*Peter Molnar & 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.	