

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA CALIFORNIA - Death Valley	STATE CALIFORNIA	COUNTY INYO	DATE 12-14-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	LINE NO. 8	

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	1-6 sec		missed Sweeps	244	OUT	IN		BOT #244 *900 10sec All ones.
2	934/935	EINT	2-11 "							
3	936/935	D.R.D.	4-11 "							4 Vibrs 100' SPACING 41.25 MOVE UP 1st
4	953/934	Sum TEST	2-11 "							Vib +6" PAST FLAG. 8 sweep.
5	962/961	NRT TEST	2-11 "							STA# 83 OPEN
6	932	Similarity	1-32 sec	1	4					50%
7	001	Wind strip	1-52 sec	21						66db
8	002	100	1-96	1	4					70% 4 sweep, testing.
9	003	100	1-96	1						70% 8 sweep, " ADDING From Sweep File #002
10	004	101	2-97	2						70% 8 sweep
11	005	102	3-98	3	VOID					70% 1 sweep, VOID. ON File #005.
12	006	102	3-98	3	VOID					70% 1 sweep, VOID. ON File #006.
13	007	103	3-98	3						70% 8 sweep, 5 STA OFFSET.
14	008	104	4-99	4						70% 8 sweep, 5 STA OFFSET.
15	009	105	5-100	5						70% 8 sweep, 5 STA OFFSET.
16	010	106	6-101	6						70% " " " " " "
17	011	107	7-102	7		244				70% E.O.T. #244, TAPE MKTS
18	012	108	8-103	8	WIND strip	245				66db 8.O.T. #245, 900 10sec ALL ONES.
19	013	108	8-103	8						70%
20	014	109	9-104	9						70%
21	015	110	10-105	10						70%
22	016	111	11-106	11						70%
23	017	112	12-107	12						70%
24	018	113	13-108	13						70%
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-7.32hz / 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-V 110's	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48 sec Record Length	OBSERVER K. Patton	PARTY MGR. M. Richey	L. Davis		

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CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-15-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #8	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 PULSE	1-6sec				245	OUT	IN		Record set at 77-78
2	934 FINT	2-11"								
3	935 D.R.D	4-11"								5 Vibs 100' spacing 41.25 move CP.
4	936 SUM test	2-11"								1st Vib +56' Past Flag. 8 sweep 5 STA OFFSET
5	937 N.R.J. test	2-11"								4 Vibs 100' spacing 41.25 move CP. 1st Vib
6	932 SIMILARITY	1-32sec	1	4					50%	+6' Past Flag.
7	019 WIND strip	1-48sec	9						66%	
8	020 114	14-109	9	4					70%	STA# 16 OPEN
9	021 115	15-110	10						70%	
10	022 116	16-111	11			245			70%	E.D.T. #245, TAPE MKTS.
11	023 117	17-112	12	wind strip		246			66%	B.D.T. #246, 900 10sec ALL ONES.
12	024 117	17-112	12						70%	
13	025 118	18-113	13						70%	
14	026 119	19-114	14						70%	
15	027 120	20-115	15						70%	
16	028 121	21-116	16						70%	
17	029 122	22-117	17						70%	BLAST ON SWEEP #6 File #029.
18	030 123	23-118	18						70%	
19	031 124	24-119	19						70%	
20	032 125	25-120	20						70%	
21	033 126	26-121	21						70%	
22	034 127	27-122	22						70%	
23	035 128	28-123	23			246			70%	E.D.T. #246, TAPE MKTS
24	036 129	29-124	24	wind strip		247			66%	B.D.T. #247, 900 10sec ALL ONES.
25	037 129	29-124	24						70%	

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 5-11100's	TYPE GEOPHONE ETLDV22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48sec Record Length			OBSERVER S. PATON, M. RICKET	PARTY MGR. L. DAVIS	

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CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-15-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>cloudy</i>	LINE NO. <i>#8</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	80 ~	AMP		
1	038	130	30-125	25	4	<i>MISSING SWEEP</i>	247	DUT	IN	70%	
2	039	131	31-126	26						70%	<i>STA #126 OPEN,</i>
3	040	132	32-127	27						70%	
4	041	133	33-128	28						70%	
5	042	134	34-129	29						70%	
6	043	135	35-130	30						70%	
7	044	136	36-131	31						70%	
8	045	137	37-132	32						70%	
9	046	138	38-133	33	1					70%	
10	047	139	39-134	34						70%	
11	048	140	40-135	35			247			70%	<i>E.O.T. #247, TAPE MKTS</i>
12	049	141	41-136	36	<i>LINE STRIP</i>		248			66%	<i>B.O.T. #248, 900 12500 ALL ONES.</i>
13	050	141	41-136	36						70%	
14	051	142	42-137	37						70%	
15	052	143	43-138	38						70%	
16	053	144	44-139	39						70%	
17	054	145	45-140	40						70%	
18	055	146	46-141	41						70%	
19	056	147	47-142	42						70%	
20	057	148	48-143	43						70%	
21	058	149	49-144	44						70%	
22	059	150	50-145	45						70%	
23	060	151	51-146	46			248			70%	<i>E.O.T. #248, TAPE MKTS</i>
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 CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-16-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER cloudy	LINE NO. # 8	

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				249	OUT	IN		B.O.T. #249, 900 10sec ALLONS
2	934 EINT	2- " "								Recorder SET AT 123-124
3	935 D.R.D	4- " "								4 Vibs 100' spacing 41-25 MOVE UP, 1st Vib +6' Past Flag. 8 sweep 5 STA# OFFSET.
4	936 SIMTEST	2- " "								Vib #23652 Down, more Problems.
5	937 N.R.J. test	2- " "								
6	932 SIMILARITY	1-.32sec	1	4						50%
7	061 WINDSTRIP	1-48sec	1							66%
8	062 152	52-147	1	4						70%
9	063 153	53-148	2							70%
10	064 154	54-149	3							70%
11	065 155	55-150	4							70%
12	066 156	56-151	5							70%
13	067 157	57-152	6							70%
14	068 158	58-153	7							70%
15	069 159	59-154	8							70% BLAST ON SWEEP #6, File #069.
16	070 160	60-155	9							70%
17	071 161	61-156	10			249				70% E.O.T. #249, TAPE MARKS
18	072 162	62-157	11	WIND STRIP		250				66% B.O.T. #250, 900 10sec ALLONS.
19	073 162	62-157	11							70%
20	074 163	63-158	12							70%
21	075 164	64-159	13							70%
22	076 165	65-160	14							70%
23	077 166	66-161	15							70%
24	078 167	67-162	16							70%
25	079 168	68-163	17							70%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/92sec		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 EHLN22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

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CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-16-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Cloudy</i>		LINE NO. <i>#8</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	080	169	69-164	18	4	<i>MISTEK strip</i> 250	<i>cut</i>	<i>IN</i>	70%	
2	081	170	70-165	19	1				70%	
3	082	171	71-166	20	1				70%	
4	083	172	72-167	21	1				70%	<i>BLAST ON SWEEP #4, File NO#083.</i>
5	084	173	73-168	22		250			70%	<i>E.O.T.#250, TAPE MKTS</i>
6	085	174	74-169	23	<i>WIND strip</i>	251			66%	<i>B.O.T.#251, 900 10sec ALL ONES.</i>
7	086	174	74-169	23					70%	
8	087	175	75-170	24					70%	
9	088	176	76-171	25					70%	
10	089	177	77-172	26					70%	
11	090	178	78-173	27					70%	
12	091	179	79-174	28					70%	
13	092	180	80-175	29					70%	
14	093	181	81-176	30					70%	
15	094	182	82-177	31					70%	<i>STA#177 OPEN,</i>
16	095	183	83-178	32					70%	
17	096	184	84-179	33					70%	
18	097	185	85-180	34					70%	<i>BLAST ON SWEEP #7, File #097</i>
19	098	186	86-181	35		251			70%	<i>E.O.T.#251, TAPE MKTS</i>
20	099	187	87-182	36	<i>WIND strip</i>	252			66%	<i>B.O.T.#252, 900 10sec ALL ONES</i>
21	100	187	87-182	36					70%	
22	101	188	88-183	37					70%	<i>STA#183 OPEN.</i>
23	102	189	89-184	38					70%	
24	103	190	90-185	39					70%	
25	104	191	91-186	40					70%	<i>BLAST ON SWEEP #2 File #104.</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 MGR.		

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CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-17-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear		LINE NO. #8

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			missed sweep	252	OUT	IN		Recorder set at 163-164
2	934	EINT								Vib 23652 Down, motor Problems
3	939	D.R.D								4 Vibs 100' spacing 41-25 move up 1st Vib +6'
4	954	sum test								Past Flag. 8 sweep, 5 sta* offset.
5	964	N.R.T. test								
6	932	Similarity	1	4						50%
7	105	WIND strip	1							66%
8	192	92-187	1	4						70%
9	193	93-188	2							70%
10	194	94-189	3							70%
11	195	95-190	4			252				70% E.O.T* 252, TAPE MKTS
12	196	96-191	5	WIND strip		253				66% B.O.T* 253, 90010sec ALLOWES
13	196	96-191	5							70%
14	197	97-192	6							70%
15	198	98-193	7							70%
16	199	99-194	8							70%
17	200	100-195	9							70%
18	201	101-196	10							70%
19	202	102-197	11							70%
20	203	103-198	12							70%
21	204	104-199	13							70%
22	205	105-200	14							70%
23	206	106-201	15							70%
24	207	107-202	16			253				70% E.O.T* 253, TAPE MKTS.
25	208	108-203	17	WIND strip		254				66% B.O.T* 254, 90010sec ALLOWES-

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/LDV220	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE/48sec Record length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

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CLIENT		AREA		STATE	COUNTY	DATE				
COCORP		CALIF, Death Valley		CALIF	INYO	12-17-82				
CREW NO.	TERRAIN	WEATHER			LINE NO.					
6834	Dirt Road	Clear			# 8					
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	124	208	108-203	17	4	254	OUT	IN	70%	
2	125	209	109-204	18					70%	
3	126	210	110-205	19					70%	
4	127	211	111-206	20					70%	
5	128	212	112-207	21	1				70%	
6	129	213	113-208	22					70%	
7	130	214	114-209	23					70%	
8	131	215	115-210	24					70%	
9	132	216	116-211	25					70%	
10	133	217	117-212	26					70%	
11	134	218	118-213	27					70%	
12	135	219	119-214	28		254			70%	E.O. + #254, TAPE MKTS
13	136	220	120-215	29	WINDSKIP	255			66%	B.O. + #255, 90010sec ALL ONES.
14	137	220	120-215	29					70%	
15	138	221	121-216	30					70%	
16	139	222	122-217	31					70%	
17	140	223	123-218	32					70%	
18	141	224	124-219	33					70%	
19	142	225	125-220	34	1				70%	
20	143	226	126-221	35					70%	
21	144	227	127-222	36					70%	Stacked 1st HALF
22	SKIP	228	128-223	37					SKIP	Due to cross country.
23	SKIP	229	129-224	38					SKIP	" " " "
24	SKIP	230	130-225	39					SKIP	" " " "
25	145	231	131-226	40	1				50%	Vibs ON shoulder OF BLACK TOP Road, 50% Drive
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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**Exploration Services
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Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-17-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. <i>#8</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	146	232	132-227	41	4	255	255	OUT	IN	50%	
2	147	233	133-228	42						50%	
3	148	234	134-229	43		255				50%	E.O.T. *255, TAPE MKTS
4	149	235	135-230	44		256				66%	R.D. + *256, 900 1000 11000 111000.
5	150	235	135-230	44						50%	
6	151	236	136-231	45						50%	
7											
8											
9											
10											
11											
12											
13											
14											
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21											
22											
23											
24											
25											
26											

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 CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-18-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	LINE NO. #8	

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	256	OUT	IN		Recorder SET AT 207-208
2	934 EINT	2-11"								Vib #23652 Down, motor Problems
3	935 D.R.D	4-11"								4 Vib 100' spacing 4/25 MOVE UP. 1st Vib to 6'
4	936 SUMTEST	2-11"								Past Flag, 8 SWEEP, 5.5TH * OFFSET.
5	937 N.R.J. test	2-11"								
6	932 Similarity	1-32sec	1	4						50%
7	152 WINDSTRIP	1-48sec	2							66db
8	153 237	137-232	2	4						50% Vib are at 50% Drive, Due to shoulder
9	154 238	138-233	3							50%
10	155 239	139-234	4							50%
11	156 240	140-235	5							50%
12	157 241	141-236	6							30% Vib went to 30% Drive, Due to shoulder conditions
13	158 242	142-237	7							30%
14	SKIP 243	143-238	8							SKIP Due to NO shoulder.
15	SKIP 244	144-239	9							SKIP " " " "
16	SKIP 245	145-240	10							SKIP " " " "
17	SKIP 246	146-241	11							SKIP " " " "
18	SKIP 247	147-242	12							SKIP " " " "
19	159 248	148-243	13			256				30% E.D.T #256, TAPE MKTS
20	160 249	149-244	14	WIND STRIP		257				66db R.D.T #257, 900 msec ALL ONES.
21	161 249	149-244	14							30%
22	162 250	150-245	15							30%
23	163 251	151-246	16							30%
24	164 252	152-247	17							30%
25	165 253	153-248	18							30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 87.32 Hz / 32 sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X		TOTAL FIELD TIME	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-1100's	TYPE GEOPHONE ETL DV 22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48 sec Record Length			OBSERVER R. PATTEN, M. RICHEY	PARTY MOR. L. DAVIS	

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CLIENT <i>COCORP</i>	AREA <i>CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-18-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. <i>#8</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>SKIP</i>	<i>254</i>	<i>154-249</i>	<i>19</i>	<i>4</i>	<i>257</i>	<i>OUT</i>	<i>IN</i>	<i>SKIP</i>	<i>Due to no shoulder from STA #254 to 262.</i>
2	<i>166</i>	<i>263</i>	<i>163-258</i>	<i>28</i>					<i>70%</i>	<i>Vibs went to 70% Drive, BACK ON DIRT ROAD.</i>
3	<i>167</i>	<i>264</i>	<i>164-259</i>	<i>29</i>					<i>70%</i>	
4	<i>168</i>	<i>265</i>	<i>165-260</i>	<i>30</i>					<i>70%</i>	
5	<i>169</i>	<i>266</i>	<i>166-261</i>	<i>31</i>					<i>70%</i>	
6	<i>170</i>	<i>267</i>	<i>167-262</i>	<i>32</i>					<i>70%</i>	
7	<i>171</i>	<i>268</i>	<i>168-263</i>	<i>33</i>					<i>70%</i>	
8	<i>172</i>	<i>269</i>	<i>169-264</i>	<i>34</i>					<i>70%</i>	
9	<i>173</i>	<i>270</i>	<i>170-265</i>	<i>35</i>		<i>257</i>			<i>70%</i>	<i>E.O.T #257, TAPE MKTS</i>
10	<i>174</i>	<i>271</i>	<i>171-266</i>	<i>36</i>	<i>wire strip</i>	<i>258</i>			<i>60%</i>	<i>R.O.T #258, 900 10SEC PULL ONS.</i>
11	<i>175</i>	<i>271</i>	<i>171-266</i>	<i>36</i>					<i>70%</i>	
12	<i>176</i>	<i>272</i>	<i>172-267</i>	<i>37</i>					<i>70%</i>	
13	<i>177</i>	<i>273</i>	<i>173-268</i>	<i>38</i>					<i>70%</i>	
14	<i>178</i>	<i>274</i>	<i>174-269</i>	<i>39</i>					<i>70%</i>	
15	<i>179</i>	<i>275</i>	<i>175-270</i>	<i>40</i>					<i>70%</i>	
16	<i>SKIP</i>	<i>276</i>	<i>176-271</i>	<i>41</i>					<i>SKIP</i>	<i>Due to WATER WELL.</i>
17	<i>SKIP</i>	<i>277</i>	<i>177-272</i>	<i>42</i>					<i>SKIP</i>	<i>" " " "</i>
18	<i>180</i>	<i>278</i>	<i>178-273</i>	<i>43</i>	<i>1</i>				<i>70%</i>	<i>lot OF TRAFFIC ALONG FRONT ON LINE</i>
19	<i>181</i>	<i>279</i>	<i>179-274</i>	<i>44</i>					<i>70%</i>	
20	<i>182</i>	<i>280</i>	<i>180-275</i>	<i>45</i>					<i>70%</i>	
21	<i>183</i>	<i>281</i>	<i>181-276</i>	<i>46</i>					<i>70%</i>	
22	<i>184</i>	<i>282</i>	<i>182-277</i>	<i>47</i>					<i>70%</i>	
23	<i>185</i>	<i>283</i>	<i>183-278</i>	<i>48</i>		<i>258</i>			<i>70%</i>	<i>E.O.T #258, TAPE MKTS.</i>
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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Geosource Inc.

CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-19-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear		LINE NO. #8

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933	PULSE			Missed Sweep	259	OUT	IN		Recorder SET AT 254-255
2	934	EINT								B.O.T #259, 900 10sec ALL ONES.
3	935	D.R.D								4 Vib 100' spacing 41.25 MOVE UP. 1st Vib
4	936	Sumtest								16' PAST FLAG. 8 sweep, 5 STA OFFSET.
5	937	N.R. Test								Vib #23652 Down, motor Problems.
6	932	SIMILARITY	1	4						50%
7	186	WINDSTRIP	2							66Db
8	SKIP	284	2	4						SKIP Due to SOFT TERRAIN.
9	187	285	3							70% STACKED LAST HALF.
10	188	286	4							70% C.D.P OFF BY ONE STA, ON STA #286.
11	189	287	5							70%
12	190	288	6							70%
13	191	289	7							70%
14	192	290	8							70%
15	193	291	9							70%
16	194	292	10							70%
17	195	293	11							70%
18	196	294	12							70%
19	197	295	13			259				70% E.O.T #259, TAPE MKTS
20	198	296	14		WINDSTRIP	260				66Db B.O.T #260, 900 10sec ALL ONES.
21	199	296	14							70%
22	200	297	15							70% STACKED 1st HALF.
23	201	298	16							70% STACKED LAST HALF
24	202	299	17							70%
25	203	300	18							70%

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-VI100'S	TYPE GEOPHONE E+ELV220	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE / 48 sec Record Length			OBSERVER R. PATTON, M. RICHY	PARTY MOR. L. DAVIS	

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DIGITAL VIBROSEIS RECORDER

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Geosource Inc.

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CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-19-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #8	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	204	301	201-296	19	4	260	DUT	IN	70%	
2	205	302	202-297	20					70%	
3	206	303	203-298	21					70%	
4	207	304	204-299	22					70%	
5	208	305	205-300	23					70%	Stacked on 1st HALF
6	SKIP	306	206-301	24					SKIP	Due to trailers
7	SKIP	307	207-302	25					SKIP	" " "
8	SKIP	308	208-303	26					SKIP	" " "
9	SKIP	309	209-304	27					SKIP	" " "
10	SKIP	310	210-305	28					SKIP	Due to cross country
11	SKIP	311	211-306	29					SKIP	" " " "
12	SKIP	312	212-307	30					SKIP	" " " "
13	SKIP	313	213-308	31					SKIP	" " " "
14	209	314	214-309	32					70%	
15	210	315	215-310	33					70%	STA *310 OPEN Due to HI-WAY.
16	211	316	216-311	34		260			70%	E.O.T # 260, TAPE MKTS
17	212	317	217-312	35	used strip	261			66%	B.O.T # 261, 900 10sec HILONES
18	213	317	217-312	35					70%	
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 <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-20-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#8</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	<i>PULSE</i>	<i>1-6sec</i>			<i>SWEEP</i>	<i>261</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 282-283</i>
2	<i>EINT</i>	<i>2-11 "</i>								<i>Vib *236.52 Down, motor Problems.</i>
3	<i>D.R.D</i>	<i>4-11 "</i>								<i>4 Vib 100' spacing 41.25 move up. 1st Vib to</i>
4	<i>SUMtest</i>	<i>2-11 "</i>								<i>PAST FLAG. 8 SWEEP. 5STA OFFSET.</i>
5	<i>N.R.J. test</i>	<i>2-11 "</i>								<i>NOTE: STA *310 CROSS HI-WAY AND JKS AND</i>
6	<i>Similarity</i>	<i>1-32sec</i>	<i>1</i>	<i>4</i>					<i>50%</i>	<i>CABLE are ON LEFT SIDE OF ROAD.</i>
7	<i>WINDstrip</i>	<i>1-48sec</i>	<i>8</i>						<i>60%</i>	
8	<i>318</i>	<i>218-313</i>	<i>8</i>	<i>4</i>					<i>50%</i>	<i>Vibs went to 50%, Due to SOFT TERRAIN.</i>
9	<i>319</i>	<i>219-314</i>	<i>9</i>						<i>50%</i>	
10	<i>320</i>	<i>220-315</i>	<i>10</i>						<i>50%</i>	
11	<i>321</i>	<i>221-316</i>	<i>11</i>						<i>50%</i>	<i>BLAST ON SWEEP *5, File #218.</i>
12	<i>322</i>	<i>222-317</i>	<i>12</i>						<i>50%</i>	
13	<i>323</i>	<i>223-318</i>	<i>13</i>						<i>50%</i>	
14	<i>324</i>	<i>224-319</i>	<i>14</i>						<i>50%</i>	
15	<i>325</i>	<i>225-320</i>	<i>15</i>						<i>50%</i>	
16	<i>326</i>	<i>226-321</i>	<i>16</i>			<i>261</i>			<i>50%</i>	<i>E.O.T. #261, TAPE MKTS</i>
17	<i>327</i>	<i>227-322</i>	<i>17</i>	<i>WINDstrip</i>		<i>262</i>			<i>60%</i>	<i>B.O.T #262, 900 10sec ALL ONS.</i>
18	<i>327</i>	<i>227-322</i>	<i>17</i>						<i>50%</i>	
19	<i>328</i>	<i>228-323</i>	<i>18</i>	<i>1</i>					<i>50%</i>	
20	<i>329</i>	<i>229-324</i>	<i>19</i>						<i>50%</i>	
21	<i>330</i>	<i>230-325</i>	<i>20</i>						<i>50%</i>	
22	<i>331</i>	<i>231-326</i>	<i>21</i>						<i>50%</i>	<i>BLAST ON SWEEP *5, File #229</i>
23	<i>332</i>	<i>232-327</i>	<i>22</i>						<i>50%</i>	
24	<i>333</i>	<i>233-328</i>	<i>23</i>						<i>50%</i>	
25	<i>334</i>	<i>234-329</i>	<i>24</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8-332Hz / 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>ETLDPV22B</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 48sec Record Length</i>	OBSERVER <i>R. PATTON, M. Picher</i>		PARTY MGR. <i>J. DAVIS</i>		

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DIGITAL VIBROSEIS RECORDER

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CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-20-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#8</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	233	335	235-330	25	4	<i>missed sweep</i>	262	OUT	IN	50%	
2	234	336	236-331	26						50%	
3	235	337	237-332	27						50%	
4	236	338	238-333	28						50%	
5	237	339	239-334	29			262			50%	<i>E.O.T #262, TAPE MKTS</i>
6	238	340	240-335	30	<i>wind strip</i>		263			66%	<i>B.O.T #263, 900 10sec RUNS</i>
7	239	340	240-335	30						50%	
8	240	341	241-336	31						50%	
9	241	342	242-337	32						50%	
10	242	343	243-338	33						50%	
11	243	344	244-339	34						50%	
12	244	345	245-340	35						50%	
13	245	346	246-341	36						50%	
14	246	347	247-342	37						50%	
15	247	348	248-343	38						50%	
16	SKIP	349	249-344	39						SKIP	<i>Due to NO shoulder, From sta #349-354.</i>
17	248	355	255-350	45						50%	
18	249	356	256-351	46						50%	
19	250	357	257-352	47						50%	
20	251	358	258-353	48			263			50%	<i>E.O.T #263, TAPE MKTS</i>
21	252	359	259-354	49			264			66%	<i>B.O.T #264, 900 10sec RUNS</i>
22	253	359	259-354	49						50%	
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
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Geosource Inc.

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CLIENT	COCORP	AREA	Calif. Death Valley	STATE	California	COUNTY	INYO	DATE	12-21-82
CREW NO.	6834	TERRAIN	Dirt Road	WEATHER	Clear	LINE NO. 8			

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	1 - 6 sec			missed Sweep	264	OUT	IN		Recorder SET AT 321-322
2	934/935 EINT	2 - " "								Vib #23652 Down, motor Problems
3	936/937 D.R.D.	4 - " "								4 Vib 100' spacing 41.25 MAKE UP. 1st Vib
4	938/939 Sum TEST	2 - " "								16' Past Flag. 8 sweep, 5 STA OFFSET
5	940/941 NRJ TEST	2 - " "								STA # 310 OPEN, Due to HI-WAY.
6	932 Similarity	1 - 32 sec.	65	4					50%	Cables and Jugs on left side of road.
7	254 Wind strip	1 - 48 sec.	11						66Db	
8	255 360	260-355	11	4					50%	
9	256 361	261-356	12						50%	
10	257 362	262-357	13						50%	
11	258 363	263-358	14						50%	
12	259 364	264-359	15						50%	
13	260 365	265-360	16						50%	
14	261 366	266-361	17						50%	
15	262 367	267-362	18			264			50%	F.O.T #264, TAPE MKTS
16	263 368	268-363	19	WIND STRIP		265			66Db	R.O.T #265, 900 10sec PULLONES.
17	264 368	268-363	19						50%	
18	265 369	269-364	20						50%	
19	266 370	270-365	21						50%	
20	267 371	271-366	22						50%	
21	268 372	272-367	23						50%	
22	269 373	273-368	24						50%	
23	270 374	274-369	25						50%	BLAST ON sweep #4, File # 270.
24	271 375	275-370	26						51%	
25	272 376	276-371	27						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN
8 → 32 Hz / 32 sec	See Remarks	8	1	X
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY
24	96	5-Y 1100s	ETLEV22B	7.5 Hz
REMARKS	STATION INTERVAL	LINE DIR. 1 TO 24	PARTY MGR.	
8ms Sample Rate / 48 sec Record Length	330'	N → S	R. Patton	M. Richey

REMARKS	OBSERVER	PARTY MGR.
8ms Sample Rate / 48 sec Record Length	R. Patton	M. Richey

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Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>CALIF, Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>12-21-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. <i>#8</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	273	377	277-372	28	4	<i>misses</i> 265	<i>OUT</i>	<i>IN</i>	50%	
2	274	378	278-373	29					50%	<i>WINDS ARE 15 M.P.H., Steady</i>
3	275	379	279-374	30					50%	
4	276	380	280-375	31		265			50%	<i>E.O.T. #265, TAPE MKTS</i>
5	277	381	281-376	32	<i>wind strip</i>	266			66%	<i>B.O.T #266, 900 10sec ALLONES.</i>
6	278	381	281-376	32					50%	
7	279	382	282-377	33	1				50%	
8	280	383	283-378	34					50%	
9	281	384	284-379	35					50%	
10	282	385	285-380	36					50%	
11	283	386	286-381	37					50%	
12	284	387	287-382	38					50%	
13	285	388	288-383	39					50%	
14	286	389	289-384	40					50%	
15	287	390	290-385	41	1				50%	
16	288	391	291-386	42		266			50%	<i>E.O.T #266, TAPE MKTS</i>
17	289	392	292-387	43	<i>wind strip</i>	267			66%	<i>B.O.T #267, 900 10sec ALLONES.</i>
18	290	392	292-387	43					50%	
19	291	393	293-388	44	1				50%	
20	292	394	294-389	45					50%	
21	293	395	295-390	46					50%	
22	294	396	296-391	47		267			50%	<i>E.O.T #267, TAPE MKTS</i>
23										<i>E.O.L #8</i>
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.		