

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 2

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>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	60~	AMP	
1	<i>PULSE</i>	<i>1-6sec</i>				<i>245</i>	<i>OUT</i>	<i>IN</i>		<i>Record SET AT 77-78</i>
2	<i>FINT</i>	<i>2-'' ''</i>								
3	<i>D.R.D</i>	<i>4-'' ''</i>								<i>5 VibS 100' SPACING 41.25 MOVE OP.</i>
4	<i>SUM test</i>	<i>2-'' ''</i>								<i>1st Vib +56' PAST FLAG. 8 SWEEP 5 STA OFFSET</i>
5	<i>N.R.J. test</i>	<i>2-'' ''</i>								<i>4 VibS 100' SPACING 41.25 MOVE OP. 1st Vib</i>
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>1</i>	<i>4</i>					<i>50%</i>	<i>+6' PAST FLAG.</i>
7	<i>WINDstrip</i>	<i>1-48sec</i>	<i>9</i>						<i>66Db</i>	
8	<i>114</i>	<i>14-109</i>	<i>9</i>	<i>4</i>					<i>70%</i>	<i>STA# 16 OPEN</i>
9	<i>115</i>	<i>15-110</i>	<i>10</i>						<i>70%</i>	
10	<i>116</i>	<i>16-111</i>	<i>11</i>			<i>245</i>			<i>70%</i>	<i>E.O.T.# 245, TAPE MKTS</i>
11	<i>117</i>	<i>17-112</i>	<i>12</i>		<i>wind strip</i>	<i>246</i>			<i>66Db</i>	<i>B.D.T.# 246, 900 10sec ALL ONES.</i>
12	<i>117</i>	<i>17-112</i>	<i>12</i>						<i>70%</i>	
13	<i>118</i>	<i>18-113</i>	<i>13</i>						<i>70%</i>	
14	<i>119</i>	<i>19-114</i>	<i>14</i>						<i>70%</i>	
15	<i>120</i>	<i>20-115</i>	<i>15</i>						<i>70%</i>	
16	<i>121</i>	<i>21-116</i>	<i>16</i>						<i>70%</i>	
17	<i>122</i>	<i>22-117</i>	<i>17</i>						<i>70%</i>	<i>BLAST ON SWEEP #6 File #029.</i>
18	<i>123</i>	<i>23-118</i>	<i>18</i>						<i>70%</i>	
19	<i>124</i>	<i>24-119</i>	<i>19</i>						<i>70%</i>	
20	<i>125</i>	<i>25-120</i>	<i>20</i>						<i>70%</i>	
21	<i>126</i>	<i>26-121</i>	<i>21</i>						<i>70%</i>	
22	<i>127</i>	<i>27-122</i>	<i>22</i>						<i>70%</i>	
23	<i>128</i>	<i>28-123</i>	<i>23</i>			<i>246</i>			<i>70%</i>	<i>E.O.T.# 246, TAPE MKTS</i>
24	<i>129</i>	<i>29-124</i>	<i>24</i>		<i>wind strip</i>	<i>247</i>			<i>66Db</i>	<i>B.D.T.# 247, 900 10sec ALL ONES.</i>
25	<i>129</i>	<i>29-124</i>	<i>24</i>						<i>70%</i>	

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
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-Y1100's</i>	TYPE GEOPHONE <i>FTLDV22R</i>	FREQUENCY <i>7.5HZ</i>	STATION INTERVAL <i>330'</i>	LINE DIR. I TO 24 <i>N=5</i>					
REMARKS <i>8ms SAMPLE RATE / 48sec Record Length.</i>				OBSERVER <i>R. PATON, M. Richey</i>		PARTY MGR. <i>L. DAVIS</i>					

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
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Geosource Inc.

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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 Cloudy		LINE NO. 28

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
1	038	130	30-125	25	4	MISSED sweep	247	OUT	IN	70%	
2	039	131	31-126	26						70%	STA #126 OPEN,
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%	E.O.T #247, TAPE MKTS
12	049	141	41-136	36		WIND STOP	248			66%	B.O.T #248, 900 1000 ALL ONES.
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%	E.O.T #248, TAPE MKTS
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

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CLIENT CO CORP	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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1 933	PULSE	1-6sec			12.5sec	249	OUT	IN		B.O.T. #249, 900 10sec ALLONES
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 STAR OFFSET.
4 936	SUM test	2- " "								Vib #23652 DOWN, motor Problems.
5 937	N.R.J. test	2- " "								
6 932	SIMILARITY	1-32sec	1	4						50%
7 061	WIND strip	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 MAKES
18 072	162	62-157	11	WIND strip		250				66% B.O.T #250, 900 10sec ALLONES.
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/32sec	SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100'S	TYPE GEOPHONE EFLDV22R	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER K. PATTON, M. Richey	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 N → S		

OBSERVER'S REPORT 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>12-16-82</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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	080	169	69-164	18	4	missed setup 250	OUT	IN	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%	BLAST ON SWEEP #4, File NO# 083.
5	084	173	73-168	22		250			70%	E.O.T.# 250, TAPE MKTS
6	085	174	74-169	23	WIND STRIP	251			66%	B.O.T.# 251, 900 10sec ALL ONES.
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%	STA# 177 OPEN,
16	095	183	83-178	32					70%	
17	096	184	84-179	33					70%	
18	097	185	85-180	34					70%	BLAST ON SWEEP #7, File #097
19	098	186	86-181	35		251			70%	E.O.T.# 251, TAPE MKTS
20	099	187	87-182	36	WIND STRIP	252			66%	B.O.T.# 252, 900 10sec ALL ONES
21	100	187	87-182	36					70%	
22	101	188	88-183	37					70%	STA# 183 OPEN.
23	102	189	89-184	38					70%	
24	103	190	90-185	39					70%	
25	104	191	91-186	40					70%	BLAST ON SWEEP #2 File # 104.

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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CLIENT COCORP	AREA CAHIF, Death Valley	STATE CAHIF	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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE				252	OUT	IN		Recorder set at 16.3-16.4
2	934/935	FINT								Vib 23652 DOWN, motor Problems
3	936/939	D.R.D								4 Vibs 100' spacing 41-25 move up 1st Vib +6'
4	933/954	SUM test								PAST FLAG. 8 SWEEP, .5 STA* OFFSET.
5	960/961	N.R.T. test								
6	932	SIMILARITY	1	4					50%	
7	105	WINDSTRIP	1						66%	
8	106	192	1	4					70%	
9	107	193	2						70%	
10	108	194	3						70%	
11	109	195	4			252			70%	E.O.T # 252, TAPE MKTS
12	110	196	5		WIND STRIP	253			66%	B.O.T # 253, 900 10sec ALL ONES
13	111	196	5						70%	
14	112	197	6						70%	
15	113	198	7						70%	
16	114	199	8						70%	
17	115	200	9						70%	
18	116	201	10						70%	
19	117	202	11						70%	
20	118	203	12						70%	
21	119	204	13						70%	
22	120	205	14						70%	
23	121	206	15						70%	
24	122	207	16			253			70%	E.O.T # 253, TAPE MKTS.
25	123	208	17		WINDSTRIP	254			66%	B.O.T # 254, 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 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 DV220	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48 sec Record Length			OBSERVER R. PATTON / M. Richey	PARTY MGR. L. DAVIS	

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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 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			REMARKS	
							LOCUT	60~	AMP		
1	124	208	108-203	17	4	missed sweep	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	windstrip		255			66%	B.O. + #255, 900/10sec 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.	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

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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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	232	132-227	41	4	50	255	OUT	IN	50%	
2	233	133-228	42						50%	
3	234	134-229	43			255			50%	E.O.T. *255, TAPE MKTS
4	235	135-230	44			256			66%	B.D. + *256, 900 108cc MILLONES.
5	235	135-230	44						50%	
6	236	136-231	45						50%	
7										
8										
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25										

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

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Exploration Services
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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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 PULSE	1-6sec			missed sweep	256	OUT	IN		Recorder SET AT 207-208
2	934 FINT	2- " "								Vib #23652 Down, motor Problems
3	935 D.R.D	4- " "								4 Vibs 100' spacing 41.25 move up. 1st Vib +6'
4	951 sumtest	2- " "								Past Flag, 8 sweep, 5 STA # OFFSET.
5	961 N.R.J. test	2- " "								
6	932 Similarity	1-32sec	1	4						50%
7	152 WIND strip	1-48sec	2							66Db
8	153 237	137-232	2	4						50% Vibs 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 B.O.T #257, 900 10sec 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			
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 / 48.5sec Record length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
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Geosource Inc.**

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CLIENT <i>COCORP</i>	AREA <i>CAIF</i>	STATE <i>CAIF</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			REMARKS
							LOCUT	60~	AMP	
1	SKIP 254	154-249	19	4	<i>MISSING SWEEP</i>	257	OUT	IN	SKIP	<i>Due to no shoulder from STA #254 to 262.</i>
2	166 263	163-258	28						70%	<i>VIBS WENT TO 70% DRIVE, BACK ON DIRT ROAD.</i>
3	167 264	164-259	29						70%	
4	168 265	165-260	30						70%	
5	169 266	166-261	31						70%	
6	170 267	167-262	32						70%	
7	171 268	168-263	33						70%	
8	172 269	169-264	34						70%	
9	173 270	170-265	35			257			70%	<i>E.O.T #257, TAPE MKTS</i>
10	174 271	171-266	36	<i>WIND SWEEP</i>		258			66%	<i>B.O.T #258, 900 10SEC PULL ONES.</i>
11	175 271	171-266	36						70%	
12	176 272	172-267	37						70%	
13	177 273	173-268	38						70%	
14	178 274	174-269	39						70%	
15	179 275	175-270	40						70%	
16	SKIP 276	176-271	41						SKIP	<i>Due to WATER WELL.</i>
17	SKIP 277	177-272	42						SKIP	<i>" " " "</i>
18	180 278	178-273	43						70%	<i>LOT OF TRAFFIC ALONG FRONT ON LINE</i>
19	181 279	179-274	44						70%	
20	182 280	180-275	45						70%	
21	183 281	181-276	46						70%	
22	184 282	182-277	47						70%	
23	185 283	183-278	48			258			70%	<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
Division
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>12-19-82</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	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	wind skip	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
Division
Geosource Inc.

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CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	COUNTY INYO	DATE 12-20-82
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	60 ~	AMP	
1	933 PULSE	1-6sec				261	OUT	IN		Recorder set At 282-283
2	934 FINT	2-11 "								Vib #236.52 Down, motor Problems.
3	935 D.R.D	4-11 "								4 Vib 100' SPACING 41.25 MOVE UP. 1st Vib to 6'
4	936 SUMTEST	2-11 "								PAST FLAG. 8 SWEEP. 5 STA OFFSET.
5	937 N.R.J. test	2-11 "								NOTE: STA #310 CROSS HI-WAY AND JUBS AND
6	932 SIMILARITY	1-32sec	1	4					50%	CABLE ARE ON LEFT SIDE OF ROAD.
7	214 WINDSTRIP	1-48sec	8						66%	
8	215 318	218-313	8	4					50%	Vibs went to 50%; DUE TO SOFT TERRAIN.
9	216 319	219-314	9						50%	
10	217 320	220-315	10						50%	
11	218 321	221-316	11						50%	BLAST ON SWEEP #5, File #218.
12	219 322	222-317	12						50%	
13	220 323	223-318	13						50%	
14	221 324	224-319	14						50%	
15	222 325	225-320	15						50%	
16	223 326	226-321	16			261			50%	E.O.T. #261, TAPE MKTS
17	224 327	227-322	17		WINDSTRIP	262			66%	B.O.T #262, 900.10sec ALL ONES.
18	225 327	227-322	17						50%	
19	226 328	228-323	18		1				50%	
20	227 329	229-324	19						50%	
21	228 330	230-325	20						50%	
22	229 331	231-326	21						50%	BLAST ON SWEEP #5, File #229
23	230 332	232-327	22						50%	
24	231 333	233-328	23						50%	
25	232 334	234-329	24						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-Y1100's	TYPE GEOPHONE ET-LDV22B	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**

**Exploration Services
Division
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>12-20-82</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	80~	AMP		
1	233	335	235-330	25	4	<i>missed sweep</i>	262	<i>OUT</i>	<i>IN</i>	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>windstrip</i>		263			66%	<i>B.O.T#263, 900 10sec ALLONES</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 ALLONES.</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		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 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.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec			missed Sweeps	264	OUT	IN		Recorder SET AT 321-322
2	934/935 FINT	2 - " "								Vib #23652 Down, motor Problems
3	936/937 D.R.D.	4 - " "								4 Vibs 100' spacing 41.25 MOVE UP. 1st Vib
4	938/939 Sum TEST	2 - " "								16' Past Flag. 8 sweep, 5 STA OFFSET
5	960/961 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%	FOT #264, TAPE MKTS
16	263 368	268-363	19		wind strip	265			66db	ROT #265, 900 10sec. ALL ONES.
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						50%	
25	272 376	276-371	27						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN XXXXXXXXXXXXXXXXXXXX		STATION INTERVAL 330'	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 5-Y 1100's	
TYPE GEOPHONE EFLV22B		FREQUENCY 7.5Hz		LINE DIR. 1 TO 24 N → S	
REMARKS 8ms Sample Rate / 48 sec Record Length			OBSERVER R. Patton		PARTY MGR. M. Richey

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA CALIF, Death Valley	STATE CALIF	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	60 ~	AMP	
1	273	377	277-372	28	4	265	DLT	IN	50%	
2	274	378	278-373	29					50%	WINDS ARE 15 M.P.H., Steady
3	275	379	279-374	30					50%	
4	276	380	280-375	31		265			50%	F.O.T. #265, TAPE MKTS
5	277	381	281-376	32	wind strip	266			60%	B.O.T #266, 900 10sec PULLONES.
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%	F.O.T #266, TAPE MKTS
17	289	392	292-387	43	wind strip	267			60%	B.O.T #267, 900 10sec PULLONES.
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%	F.O.T #267, TAPE MKTS
23										E.O.L #8
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.					