

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>Cocorp</i>	AREA <i>Death Valley</i>	STATE <i>Calif.</i>	COUNTY <i>INYO</i>	DATE <i>3-6-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#12</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1-6 sec				387	out	IN		B.O. + #387, 900 10sec H11 ONES.
2	934 EINT	2- " "								Recorder set at 74-75
3	935 D.R.D.	4- " "								5 Vibs 100' spacing 41.25 mV/cup, 1st Vib +56'
4	936 sumtest	2- " "								Past Flag. 8 sweep.
5	937 N.R.J.	2- " "								
6	932 Similarity	1-32 sec.	236	5					50%	
7	001 Windstrip	1-48 sec	4						720%	
8	002 001	6-101	4	5					50%	
9	003 002	7-102	5						50%	
10	004 003	8-103	6						50%	
11	005 004	9-104	7						50%	
12	006 005	10-105	8						50%	
13	007 006	11-106	9						50%	
14	008 007	12-107	10						50%	
15	009 008	13-108	11						50%	
16	010 009	14-109	12						50%	
17	011 010	15-110	13			387			50%	E.O. + #387, TAPE MARKS
18	012 011	16-111	14		windstrip	388			50%	B.O. + #388, 900 10sec H11 ONES.
19	013 011	16-111	14		1				50%	
20	014 012	17-112	15						50%	
21	015 013	18-113	16						50%	
22	016 014	19-114	17						50%	
23	017 015	20-115	18						50%	
24	018 016	21-116	19		1				50%	
25	019 017	22-117	20						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8 → 32 Hz / 32 sec</i>	SWEEP PATTERN <i>SEE REMARKS</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i> X </i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>5-x1100's</i>	TYPE GEOPHONE <i>ETKOU220</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8 ms sample rate / 48 sec Record Length</i>	OBSERVER <i>James M. Rickey</i>	PARTY MGR. <i>L.O. Davis</i>	LINE DIR. <i>1 TO 24 S-N</i>		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 2

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-6-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#12</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	020	23-118	21	5	<i>MISSING SWEEP</i>	388	Oct	IN	50%	
2	021	24-119	22		1				50%	
3	022	25-120	23						50%	
4	023	26-121	24						50%	
5	024	27-122	25		1	388			50%	<i>F.O.T #388, TAPE MKTS</i>
6	025	28-123	26		<i>wood strip</i>	389			72db	<i>R.O.T #389, 970 AS ec ALLONES.</i>
7	026	28-123	26						50%	
8	027	29-124	27						50%	
9	028	30-125	28		1				50%	
10	029	31-126	29						50%	
11	030	32-127	30		1				50%	
12	031	33-128	31						50%	
13	032	34-129	32						50%	
14	033	35-130	33		1				50%	
15	034	36-131	34						50%	
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.	

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DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 3

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-7-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. # <i>12</i>	

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	<i>PULSE</i>	<i>1-6sec</i>				<i>389</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set # 108-109</i>
2	<i>EINT</i>	<i>2- " "</i>								
3	<i>D.R.D</i>	<i>4- " "</i>								<i>5 Vib's 100' spacing 4.25' move up, 1st VIB +56'</i>
4	<i>SUM test</i>	<i>2- " "</i>								<i>PAST FLAG. 8 sweep</i>
5	<i>N.R.S.</i>	<i>2- " "</i>								
6	<i>Similarity</i>	<i>1-32sec</i>	<i>236</i>	<i>5</i>		<i>389</i>			<i>50%</i>	<i>E.O.T #389, TAPE MKTS</i>
7	<i>WINDSTRIP</i>	<i>1-48sec</i>	<i>1</i>			<i>390</i>			<i>72%</i>	<i>B.O.T #390, 900 msec ALLOWES.</i>
8	<i>032</i>	<i>37-132</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
9	<i>33</i>	<i>38-133</i>	<i>2</i>						<i>50%</i>	
10	<i>34</i>	<i>39-134</i>	<i>3</i>						<i>50%</i>	
11	<i>35</i>	<i>40-135</i>	<i>4</i>						<i>50%</i>	
12	<i>36</i>	<i>41-136</i>	<i>5</i>						<i>50%</i>	
13	<i>37</i>	<i>42-137</i>	<i>6</i>						<i>50%</i>	
14	<i>38</i>	<i>43-138</i>	<i>7</i>						<i>50%</i>	
15	<i>39</i>	<i>44-139</i>	<i>8</i>						<i>50%</i>	
16	<i>40</i>	<i>45-140</i>	<i>9</i>						<i>50%</i>	
17	<i>41</i>	<i>46-141</i>	<i>10</i>						<i>50%</i>	
18	<i>42</i>	<i>47-142</i>	<i>11</i>						<i>50%</i>	
19	<i>43</i>	<i>48-143</i>	<i>12</i>						<i>50%</i>	
20	<i>44</i>	<i>49-144</i>	<i>13</i>			<i>390</i>			<i>50%</i>	<i>E.O.T #390, TAPE MKTS</i>
21	<i>45</i>	<i>50-145</i>	<i>14</i>		<i>WINDSTRIP</i>	<i>391</i>			<i>72%</i>	<i>B.O.T #391, 900 msec ALLOWES.</i>
22	<i>45</i>	<i>50-145</i>	<i>14</i>						<i>50%</i>	
23	<i>46</i>	<i>51-146</i>	<i>15</i>						<i>50%</i>	
24	<i>47</i>	<i>52-147</i>	<i>16</i>						<i>50%</i>	
25	<i>48</i>	<i>53-148</i>	<i>17</i>						<i>50%</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>EHDV22R</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. RICHEY</i>	PARTY MGR. <i>L. DAVIS</i>	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 4

CLIENT		AREA		STATE		COUNTY		DATE		
COCORP		Death Valley		CALIF		INYO		3-7-83		
CREW NO.		TERRAIN		WEATHER		LINE NO.				
6834		Dirt Road		clear		#12				
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	054	49	54-149	18	5	391	OUT	IN	50%	
2	055	50	55-150	19					50%	
3	056	51	56-151	20					50%	
4	057	52	57-152	21					50%	
5	058	53	58-153	22					50%	
6	059	54	59-154	23					50%	
7	060	55	60-155	24					50%	
8	061	56	61-156	25					50%	
9	062	57	62-157	26		391			50%	E.O.T#391, TAPE MKTS
10	063	58	63-158	27	windstrip	392			72db	B.O.T#392, 900 10sec ALL ONES.
11	064	58	63-158	27					50%	
12	065	59	64-159	28					50%	
13	066	60	65-160	29					50%	
14	067	61	66-161	30	1				50%	
15	068	62	67-162	31	1				50%	
16	069	63	68-163	32					50%	
17	070	64	69-164	33					50%	
18	071	65	70-165	34					50%	
19	072	66	71-166	35					50%	
20	073	67	72-167	36					50%	
21	074	68	73-168	37					50%	
22	075	69	74-169	38					50%	
23	076	70	75-170	39		392			50%	E.O.T#392, TAPE MKTS
24	077	71	76-171	40	windstrip	393			72db	B.O.T#393, 900 10sec ALL ONES.
25	078	71	76-171	40					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**

**Exploration Services
Division**
Geosource Inc. 5

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-7-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#12</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	72	77-172	41	5	220	393	cut	IN	50%	
2	73	78-173	42						50%	
3	74	79-174	43						50%	
4	75	80-175	44						50%	
5	76	81-176	45						50%	
6	77	82-177	46						50%	
7	78	83-178	47						50%	
8										
9										
10										
11										
12										
13										
14										
15										
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17										
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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		LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 6

CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INYO	DATE 3-8-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear		LINE NO. #12

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	PULSE	1-6sec			MISSING	393	OUT	IN		Recorder set # 156-157
2	FINT	2-11"								
3	D.R.D	4-11"								5 Vibs 100' spacing 41.25' move up 1st Vib +56"
4	SURTEST	2-11"								PAST FLAG. 8 SWEEP
5	NRT test	2-11"								
6	Simulacra	1-32sec	236	5		393			50%	E.O.T #393, TAPE MKTS
7	WINDSTRIP	1-48sec	240			394			720%	NOTE: STA #84 is Dead Due to SET UP. B.O.T #394
8	79	84-179	240	4					50%	900 msec ALL AXES. Vib # 236.51 DOWN, WORKING ON THE
9	80	85-180	1						50%	BACK MASS.
10	81	86-181	2						50%	
11	82	87-182	3	1					50%	
12	83	88-183	4						50%	
13	84	89-184	5						50%	
14	85	90-185	6						50%	
15	86	91-186	7						50%	
16	87	92-187	8	1					50%	
17	88	93-188	9						50%	
18	89	94-189	10						50%	
19	90	95-190	11	1					50%	
20	91	96-191	12			394			50%	E.O.T #394, TAPE MKTS
21	92	97-192	13			395			720%	B.O.T #395, 900 msec ALL AXES.
22	92	97-192	13						50%	
23	93	98-193	14						50%	
24	94	99-194	15						50%	
25	95	100-195	16						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8.32Hz/32sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-V1100's	TYPE GEOPHONE ET4DV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms Sample RATE/48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. J. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-8-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>12</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	105	96	101-196	17	4	<i>MISSING</i> 375	OUT	IN	50%	
2	106	97	102-197	18					50%	
3	107	98	103-198	19					50%	
4	108	99	104-199	20					50%	
5	109	100	105-200	21					50%	
6	110	101	106-201	22					50%	
7										
8										
9										
10										
11										
12										
13										
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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 MOR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 8

CLIENT		AREA		STATE		COUNTY		DATE			
COCORP		Death Valley		CALIF		INYO		3-9-83			
CREW NO.		TERRAIN		WEATHER				LINE NO.			
6834		Dirt Road		clear				#12			
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			395	OUT	IN		Recorder set at 156-157	
2	934	EINT	2-11"								
3	935	D.R.P	4-11"							5 Vib 100' spacing 41.25 MOVE UP. 1st Vib +56'	
4	936	SUM test	2-11"							Past Flag. 8 sweep	
5	937	N.R. test	2-11"								
6	932	SIMILARITY	1-32sec	236	4	395			50%	E.O.T #395, TAPE MKTS	
7	111	WINDSTRIP	1-48sec	23		936			72DB	B.O.T #396, 900 10sec PULSES.	
8	112	102	107-202	23	4	396			50%	Vib #23651, Down, working on BACK MASS.	
9	113	103	108-203	24					50%		
10	114	104	109-204	25					50%		
11	115	105	110-205	26					50%		
12	116	106	111-206	27					50%		
13	117	107	112-207	28					50%		
14	118	108	113-208	29					50%		
15	119	109	114-209	30					50%		
16	120	110	115-210	31					50%		
17	121	111	116-211	32					50%		
18	122	112	117-212	33					50%		
19	123	113	118-213	34		396			50%	E.O.T #396, TAPE MKTS	
20	124	114	119-214	35	WINDSTRIP	397			72DB	B.O.T #397, 900 10sec PULSES.	
21	125	114	119-214	35					50%		
22	126	115	120-215	36					50%	NOTE: CABLE CROSSING HI-WAY STA #214-215.	
23	127	116	121-216	37					50%		
24	128	117	122-217	38					50%		
25	129	118	123-218	39					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			
8 32Hz / 32sec		SEE REMARKS		8		1		&			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
24		96		5-Y/100's		E4LDV22B		7.5HZ		330'	
REMARKS		OBSERVER		PARTY MGR.							
Ears Sample Rate / 48sec Record Length		R. PATTON		M. RICHIE		Z. 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>CAIF</i>	COUNTY <i>INYO</i>	DATE <i>3-9-88</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. # <i>12</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	130	124-219	40	4	<i>max</i>	397	cut	in	50%	
2	131	125-220	41						50%	
3	132	126-221	42						50%	
4	133	127-222	43						50%	
5	134	128-223	44						50%	
6	135	129-224	45						50%	
7	136	130-225	46						50%	
8	137	131-226	47			397			50%	E.O.T*397, TAPE MKTS
9	138	132-227	2	windstrip		398			72db	B.O.T*398, 900 10sec ALL ONES. Recorder moved up at 202-203.
10	139	132-227	2	5					50%	Vib*23651, BACK ON LINE, HAVE TOOK A SIMILARITY WITH TRUCK
11	140	133-228	3		1				50%	*23651.
12	141	134-229	4						50%	
13	142	135-230	5		1				50%	
14	143	136-231	6						50%	
15	144	137-232	7						50%	
16	145	138-233	8						50%	
17	146	139-234	9						50%	
18	147	140-235	10						50%	
19	148	141-236	11						50%	
20	149	142-237	12		1				50%	
21	150	143-238	13						50%	
22	151	144-239	14			398			50%	E.O.T*398, TAPE MKTS
23	152	145-240	15	windstrip		399			72db	B.O.T*399, 900 10sec ALL ONES.
24	153	145-240	15						50%	
25	154	146-241	16						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>3-9-83</i>	
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>			WEATHER <i>clear</i>				LINE NO. # <i>12</i>		
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60 ~	AMP		
1	155	142	147-242	17	5	399	OUT	IN	50%		
2	156	143	148-243	18					50%		
3	157	144	149-244	19					50%		
4	158	145	150-246	20					50%		
5											
6											
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	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA Death Valley	STATE CALIF	COUNTY INVO	DATE 3-10-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #12	

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			passel sweep	399	OUT	IN		Recorder set at 202-203.
2	534 EINT	7-11"								Line Crossing Highway AT 214-215.
3	536 D.R.D	4-11"								5 Vibs 100' spacing 4/25 move up, 1st Vib +56' Past
4	538 SUMTEST	2-11"								Flag. Alais 31.25
5	541 N.R.T	2-11"								4 Vibs 100' spacing 4/25 move up, 1st Vib +6" Past
6	932 SIMILARITY	1-32sec	23%	4					50%	Eng. Vib # 23651 DOWN, INSTRUMENT PROBLEMS.
7	159 WINDSTRIP	1-48sec	21						72db	
8	160 146	151-246	21	4	1				50%	Line Running Parallel TO Highway Picking up noise
9	161 147	152-247	22						50%	From TRAFFIC.
10	162 148	153-248	23						50%	
11	163 149	154-249	24			399			50%	EOT * 399 TAPE MKTS
12	164 150	155-250	25		wind strip	400			72db	BOT * 400 * 900 10 sec ALL ONES.
13	165 150	155-250	25						50%	
14	166 151	156-251	26		1				50%	
15	167 152	157-252	27						50%	
16	SKIP 153	158-253	28						50%	SKIP Due TO Rough TERRAIN.
17	SKIP 154	159-254	29						50%	" " " "
18	168 155	160-255	30						50%	got LIGHT Blast on sweep * 2 File # 168
19	169 156	161-256	31						50%	
20	170 157	162-257	32						50%	
21	171 158	163-258	33						50%	
22	172 159	164-259	34						50%	
23	173 160	165-260	35						50%	
24	174 161	166-261	36						50%	
25	175 162	167-262	37						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8.732Hz/32sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN x			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100's	TYPE GEOPHONE ET-ELDY22R	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48sec Record Length			OBSERVER A. PATTON, M. RICHY	PARTY MGR. Z. DAVIS	

**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 3-10-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	LINE NO. 12	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	176	168-263	38	4	1	400	OUT	IN	50%	
2	177	169-264	39			400			50%	EOT * 400 Tape MKTs.
3	178	170-265	40	wind	strip	401			72db	BOT * 401 *900 10sec All ones.
4	179	170-265	40						50%	
5	180	171-266	41		1				50%	
6	181	172-267	42						50%	
7	182	173-268	43						50%	
8	183	174-269	44		1				50%	
9	184	175-270	45						50%	
10	185	176-271	46						50%	
11	186	177-272	47						50%	
12	187	178-273	48						50%	
13	188	179-274	49						50%	
14	189	180-275	30		1				50%	moved Recorder TO 222-223
15	190	181-276	31						50%	
16	191	182-277	32		1	401			50%	EOT * 401 Tape MKTs
17	192	183-278	33	wind	strip	402			72db	BOT * 402 *900 10sec All ones.
18	193	183-278	33						50%	
19	194	184-279	34						50%	
20	195	185-280	35						50%	
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 3-11-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #12	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 PULSE	1-6sec			missed sweep	402	OUT	IN		Recorder set at 257-258.
2	934 EINT	2- " "								LINE CROSSING HI-WAY AT STA 214-215.
3	935 D.R.D	4- " "								5 Vibs 100' spacing 41.25 move up, 1st Vib +56' past
4	936 SUMTEST	2- " "								Flag. B sweep, Alias 31.25
5	937 N.R.T	2- " "								
6	932 Similarity	1-32sec	236	4					50%	Vib #23651 Down, Instrument Problems
7	196 WINDSTRIP	1-48sec	1						72db	
8	197 181	186-281	1	4					50%	
9	198 182	187-282	2						50%	
10	199 183	188-283	3						50%	
11	200 184	189-284	4						50%	
12	201 185	190-285	5						50%	
13	202 186	191-286	6			402			50%	F.O.T*402, TAPE MKES
14	203 187	192-287	7		windstrip	403			72db	B.O.T*403, 900 uses MILLONES
15	204 187	192-287	7						50%	NOTE: Blast on Sweep #2, File #204
16	205 188	193-288	8						50%	
17	206 189	194-289	9						50%	
18	207 190	195-290	10						50%	
19	208 191	196-291	11						50%	
20	209 192	197-292	12						50%	
21	210 193	198-293	13						50%	
22	211 194	199-294	14						50%	
23	212 195	200-295	15						50%	
24	213 196	201-296	16						50%	
25	214 197	202-297	17						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 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR S-Y1100's	TYPE GEOPHONE ETLDV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48sec Record Length			OBSERVER K. PATTON, M. Richer	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>3-11-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#12</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	215	198	203-298	18	4	403	OUT	IN	50%	
2	216	199	204-299	19		403			50%	E.O.T*403, TAPE MKTS
3	217	200	205-300	20	windstrip	404			72db	B.O.T*404, 900 10sec ALLOWES.
4	218	200	205-300	20					50%	
5	219	201	206-301	21					50%	
6	220	202	207-302	22					50%	
7	221	203	208-303	23					50%	
8	222	204	209-304	24					50%	NOTE: BLAST ON SWEEP #7, File #222.
9	223	205	210-305	25					50%	
10	224	206	211-306	26					50%	
11	225	207	212-307	27					50%	
12	226	208	213-308	28					50%	
13	227	209	214-309	29					50%	
14	228	210	215-310	30					50%	
15	229	211	216-311	31					50%	
16	230	212	217-312	32		404			50%	E.O.T*404, TAPE MKTS
17	231	213	218-313	33	windstrip	405			72db	B.O.T*405, 900 10sec ALLOWES.
18	232	213	218-313	33					50%	
19	233	214	219-314	34					50%	
20	234	215	220-315	35					50%	
21	235	216	221-316	36					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.	

**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 7-12-83
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	LINE NO. #12	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE				405	OUT	IN		Recorder set at 292-293.
2	934	EINT								
3	935	DRD								5 Vibs 100' spacings 41.25 MOVE UP, 1st Vib +56'
4	936	sum test								Past flag. 8 sweep. Alias 31.25.
5	937	N.R.S. test								
6	932	similarity	236	4					50%	Vib #23651 DOWN, INSTRUMENT PROBLEMS.
7	236	windstrip	2						720%	
8	237	217	222-317	2	4				50%	
9	238	218	223-318	3					50%	
10	239	219	224-319	4					50%	
11	240	220	225-320	5					50%	
12	241	221	226-321	6					50%	
13	242	222	227-322	7		405			50%	E.O.T #405, TAPK MKTS
14	243	223	228-323	8	windstrip	406			720%	R.O.T #406, 700/05CL/10NES.
15	244	223	228-323	8					50%	
16	245	224	229-324	9					50%	
17	246	225	230-325	10					50%	
18	247	226	231-326	11					50%	
19	248	227	232-327	12					50%	
20	249	228	233-328	13					50%	
21	250	229	234-329	14					50%	
22	251	230	235-330	15					50%	
23	252	231	236-331	16					50%	
24	253	232	237-332	17					50%	
25	254	233	238-333	18					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		STATION INTERVAL 330'	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR S-V1100's	
TYPE GEOPHONE E1LDV228		FREQUENCY 7.5 Hz		LINE DIR. 1 TO 24 W 7 E	
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>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-12-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. <i>#12</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	255	234	239-334	19	4	406	OUT	IN	50%	
2	256	235	240-335	20		406			50%	E.O.T #406, TAPE MKTS
3	257	236	241-336	21	windstrip	407			72db	B.O.T #407, 900 10sec All ones.
4	258	236	241-336	21					50%	
5	259	237	242-337	22					50%	
6	260	238	243-338	23					50%	
7	261	239	244-339	24					50%	
8	262	240	245-340	25					50%	
9	263	241	246-341	26					50%	
10	264	242	247-342	27					50%	
11	265	243	248-343	28					50%	Wind picking up, wind steady 15 MPH.
12	266	244	249-344	29	1				50%	
13	267	245	250-345	30					50%	
14	268	246	251-346	31					50%	
15	269	247	252-347	32					50%	
16	270	248	253-348	33		407			50%	E.O.T #407 tape MKTS.
17	271	249	254-349	34	wind strip	408			72db	B.O.T #408 *900 10sec All ones.
18	272	249	254-349	34					50%	
19	273	250	255-350	35	1				50%	
20	274	251	256-351	36					50%	
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>Death Valley</i>	STATE <i>CALIF</i>	COUNTY <i>INYO</i>	DATE <i>3-13-83</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#12</i>	

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	294	274-369	22	4	<i>miss mark</i>	409	OUT	IN	50%	
2	295	275-370	23						50%	
3	296	276-371	24			409			50%	<i>E.O.T #409, TAPE MKTS</i>
4	297	277-372	25		<i>windstrip</i>	410			72%	<i>B.O.T #410, 900 10sec ALL ONES.</i>
5	298	277-372	25						50%	
6	299	278-373	26						50%	
7	300	279-374	27						50%	
8	301	280-375	28						50%	
9	302	281-376	29						50%	
10	303	282-377	30						50%	
11	304	283-378	31						50%	
12	305	284-379	32						50%	
13	306	285-380	33						50%	
14	307	286-381	34						50%	
15	308	287-382	35						50%	<i>E.O.T #410, TAPE MKTS</i>
16	309	288-383	36	5		410			50%	<i>NOTE: Vib #23651 BACK ON LINE, HAVE TOOK A SIMILARITY.</i>
17	310	289-384	37		<i>windstrip</i>	411			72%	<i>B.O.T #411, 900 10sec ALL ONES.</i>
18	311	289-384	37						50%	
19	312	290-385	38						50%	
20	313	291-386	39						50%	
21	314	292-387	40						50%	
22	315	293-388	41						50%	<i>NOTE: STA 389 OPEN, DUE TO ROAD.</i>
23	316	294-389	42						50%	
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division 20
Geosource Inc.

CLIENT <i>COCORP</i>		AREA <i>Death Valley</i>			STATE <i>CALIF</i>		COUNTY <i>INYO</i>		DATE <i>7-14-83</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>			WEATHER <i>clear-windy</i>				LINE NO. <i>#12</i>		
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	missed sweep	TAPE RL. NO.	F I L T E R			REMARKS	
							LOCUT	80 ~	AMP		
1	337	312 - 407	18		wind strip	413	OUT	IN	7206	B.O.T #413, 900 10sec ALLOWES	
2	338	312 - 407	18	5					50%		
3	339	313 - 408	19						50%		
4	340	314 - 409	20						50%		
5	341	315 - 410	21						50%		
6	342	316 - 411	22						50%		
7	343	317 - 412	23						50%		
8	344	318 - 413	24	4					50%	Vib #17311 Downy, BACK in the Problems.	
9	345	319 - 414	25						50%		
10	346	320 - 415	26						50%		
11	347	321 - 416	27						50%		
12	348	322 - 417	28						50%		
13	349	323 - 418	29						50%		
14	350	324 - 419	30			413			50%	F.O.T #413, TAPE MKTS	
15	351	325 - 420	31		wind strip	414			7206	B.O.T #414, 900 10sec ALLOWES.	
16	352	325 - 420	31						50%		
17	SKIP	326 - 421	32						SKIP	Due to Rough TERRAIN.	
18	SKIP	327 - 422	33						SKIP	" " " "	
19	353	328 - 423	34						50%	stacked LAST HALF.	
20	354	329 - 424	35						50%		
21	355	330 - 425	36						50%	NOTE: county men working at front CDP line, NOISY	
22	356	331 - 426	37						50%		
23	357	332 - 427	38						50%	WINDS ARE Blowing AT 10-16 M.P.H.	
24	358	333 - 428	39						50%	NOTE: Power line OVER LINE?	
25	359	334 - 429	40						50%		
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS							OBSERVER		PARTY MOR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 21

CLIENT <i>COCORP</i>			AREA <i>Death Valley</i>			STATE <i>CALIF</i>		COUNTY <i>INYO</i>		DATE <i>3-14-83</i>	
CREW NO. <i>6834</i>			TERRAIN <i>Dirt Road</i>			WEATHER <i>Clear - Windy</i>			LINE NO. <i>#12</i>		
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	60 ~	AMP		
1	360	335-430	41	4	30	414	OUT	IN	50%		
2	361	336-431	42						50%	NOTE: WINDS ARE BLOWING AT 15-20 M.P.H.	
3	362	337-432	43						50%		
4	363	338-433	44			414			50%	E.O.T #414, TAPE MKT	
5	364	339-434	45		WINDSTRIP	415			72%	B.O.T #415, 900 10000 Hz OKES.	
6	365	339-434	45						50%		
7	366	340-435	46						50%		
8	367	341-436	47						50%		
9	368	342-437	48						50%		
10	369	343-438	49			415			50%	E.O.T #415, TAPE MKTS, F.O.L. #12	
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	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		