

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 7-13-82
CREW NO. 6834	TERRAIN Dirt Road - hilly	WEATHER clear	LINE NO. Ca 7	

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			300	997	OUT	IN		B.O. + "997, 900 10sec 141 ONES.
2	934 FINT	2-11 "								Recorder SET AT 72-72 1/2
3	935 DRD	4-11 "								
4	936 SIM test	2-11 "								TESTING
5	937 N.R.J. test	2-11 "								
6	932 SIMILARITY	1-32 sec	217	5						30%
7	001 WIND strip	1-52 sec	28							66%
8	002 98	48-95 1/2	28	5						50%
9	003 96	48-95 1/2	28							50%
10	004 94	48-95 1/2	28							50%
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										

TOTAL SECTORS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz	SWEEP PATTERN TESTING	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V400	TYPE GEOPHONE ETALV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS			OBSERVER	PARTY MGR.	
				1 TO 24 E-W	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 7-14-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	LINE NO. Co. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	333 Pulse	1-6sec								
2	934/335 EINT	2-11"								
3	936/339 D.R.O	4-11"								
4	953/354 Sam test	2-11"								5 Vibs 50' spacing, 41" moved up 1st Vib -44' BACK OF FLAG.
5	960/361 N.R.S. test	2-11"								
6	932 Similarity	1-36sec	217	5						30% 10-40 Hz, 30% percent, 36 sec sweep 8 sweep
7	005 Wind strip	1-48sec	8							66db TESTING
8	004 1	6-101	8							50% 5 sta, OFFSET, 10-38 Hz, 32 sec sweep, 8 sweep
9	007 2	6-101	8							50% 4 " "
10	008 3	6-101	8							50% 3 " "
11	009 4	6-101	8			997				50% 2 " " E.O.T # 997, TAPE MKTS,
12	010 4	7-102	9			998				66db B.O.T # 998, 900 10sec ALL ONES
13	011 4	7-102	9							50% 3 sta " OFFSET
14	012 5	8-103	10							50% " "
15	013 6	9-104	11							50% " "
16	014 7	10-105	12							50% " "
17	015 8	11-106	13							50% NOISE TEST (Manual Operation)
18	016 9	12-107	14							50% " " " "
19	017 10	13-108	15							50% Normal operation
20	018 11	14-109	16							50% " "
21	019 12	15-110	17							50% Inc. Vib spacing to 100', w/lead Vib @ +56' to
22	020 13	16-111	18							50% Start " " " " " " " "
23	021 14	17-112	19							50% Inc. Vib spacing to 200' w/lead +256' of STA.
24	022 15	18-113	20							50% " " " " " " " "
25	023 16	19-114	21			998				Return to 50' Vib spacing; E.O.T. 998.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-40 Hz	SWEEP PATTERN 10-32	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER D. Shubeldeen		PARTY MOR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NORTHERN CAL/SIERRA	STATE CAL	COUNTY SIERRA	DATE 7-14-82
CREW NO. 6834	TERRAIN FLAT MOUNTAINOUS; DIRT ROAD	WEATHER CLEAR		LINE NO. CAL # 7

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	025	17	20-115	22	5	999	OUT	IN	50%	B.O.T. 999 FILE 900 10 sec ALL 14
2	026	18	21-116	23					50%	WINDSTRIP ON FILE # 024
3	027	19	22-117	24					50%	
4	028	20	23-118	25					50%	
5	029	21	24-119	26					50%	
6	030	22	25-120	27					50%	
7	031	23	26-121	28					50%	
8	032	24	27-122	29					50%	
9	033	25	28-123	30					50%	
10	034	26	29-124	31					50%	
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.**

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>NO. CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-15-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + hill</i>	WEATHER <i>clear</i>	LINE NO. # <i>7</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>1-6 sec</i>			<i>Missed Sweep</i>	<i>999</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 96-97</i>
2	<i>FINT</i>	<i>2-11 "</i>								
3	<i>D.R.D</i>	<i>4-11 "</i>								<i>4 Vib 50' spacing, 4 1/2 move up</i>
4	<i>SUMTEST</i>	<i>2-11 "</i>								<i>1st Vib -69 1/2 Behind FLAG. 8 sweep</i>
5	<i>N.R.S. test</i>	<i>2-11 "</i>								<i>32sec sweep / 48 sec Record Length</i>
6	<i>Similarity</i>	<i>1-32 sec</i>	<i>217</i>	<i>5</i>		<i>999</i>			<i>50%</i>	<i>E.O. # 999, TAPE MKTS</i>
7	<i>WINDstrip</i>	<i>1-48 sec</i>	<i>6</i>			<i>001</i>			<i>60%</i>	<i>R.O. # 001, 700 10sec ALL ONES</i>
8	<i>26</i>	<i>29-124</i>	<i>6</i>	<i>5</i>					<i>50%</i>	
9	<i>27</i>	<i>30-125</i>	<i>8</i>	<i>4</i>					<i>50%</i>	<i>VIB. # 17311 Dead Due to Broken Guide Column brace.</i>
10	<i>28</i>	<i>31-126</i>	<i>7</i>						<i>50%</i>	
11	<i>29</i>	<i>32-127</i>	<i>8</i>						<i>50%</i>	
12	<i>30</i>	<i>33-128</i>	<i>9</i>						<i>50%</i>	
13	<i>31</i>	<i>34-129</i>	<i>10</i>						<i>50%</i>	
14	<i>32</i>	<i>35-130</i>	<i>11</i>						<i>50%</i>	
15	<i>33</i>	<i>36-131</i>	<i>12</i>						<i>50%</i>	
16	<i>34</i>	<i>37-132</i>	<i>13</i>						<i>50%</i>	
17	<i>35</i>	<i>38-133</i>	<i>14</i>						<i>50%</i>	
18	<i>36</i>	<i>39-134</i>	<i>15</i>						<i>50%</i>	
19	<i>37</i>	<i>40-135</i>	<i>16</i>						<i>50%</i>	
20	<i>38</i>	<i>41-136</i>	<i>17</i>			<i>001</i>			<i>50%</i>	<i>E.O. # 001, TAPE MKTS</i>
21	<i>39</i>	<i>42-137</i>	<i>18</i>		<i>WINDstrip</i>	<i>002</i>			<i>60%</i>	<i>R.O. # 002, 900 10sec ALL ONES.</i>
22	<i>39</i>	<i>42-137</i>	<i>18</i>						<i>50%</i>	
23	<i>40</i>	<i>43-138</i>	<i>19</i>						<i>50%</i>	
24	<i>41</i>	<i>44-139</i>	<i>20</i>						<i>50%</i>	
25	<i>42</i>	<i>45-140</i>	<i>21</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>10-32Hz / 32sec</i>		SWEEP PATTERN <i>SEE REMARK</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>4-Y1100, 1-Y900</i>	TYPE GEOPHONE <i>ETELV22P</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 48sec Record Length</i>			OBSERVER <i>M. Richer</i>	PARTY MGR. <i>A. Davis</i>	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 7-15-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear		LINE NO. 62 #17

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	80 ~	AMP		
1	053	43	46-141	22	4	MISSING	002	OUT	IN	50%	
2	054	44	47-142	23						50%	
3	055	45	48-143	24						50%	
4	056	46	49-144	25						50%	
5	057	47	50-145	26						50%	
6	058	48	51-146	27						50%	
7	059	49	52-147	28						50%	
8	060	50	53-148	29						50%	
9	061	51	54-149	30			002			50%	E.O.T #002, TAPE 14KTS
10	062	52	55-150	31	WIND STRIP		003			50%	600 R.O. + #003, 900 10SPC 1411 ONES.
11	063	52	55-150	31						50%	
12	064	52	55-151	32						50%	
13	065	54	57-152	33						50%	
14	066	55	58-153	34						50%	
15	067	56	59-154	35						50%	
16	068	57	60-155	36						50%	
17	069	58	61-156	37						50%	
18	070	59	62-157	38						50%	
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.**

CLIENT COCORP	AREA NO CALIF	STATE CALIF	COUNTY SIERRA	DATE 7-16-82
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER clear	LINE NO. C. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1 933	PULSE	1-6sec			11-15sec Sweep	003	OUT	IN		Recorder SET AT #130 & 131
2 934	WIND	2- " "								
3 935	D.P.D	4- " "								
4 936	Sum test	2- " "								
5 937	N.R. Test	2- " "								
6 932	SIMILARITY	1-32sec	217	5					50%	
7 071	WINDSTRIP	1-48sec	5						66Db	Water flowing on line (145-148) may cause leakage
8 072	60	63-158	5						50%	4 sweep
9 073	60	63-158	5						50%	8 sweep
10 074	61	64-159	6						50%	4 sweep
11 075	61	64-159	7*			003			50%	* CDP off 1 position 8 sweep; E.O.T. 003
12 077	62	65-160	7			004			50%	WINDSTRIP #076 4 sweep; B.O.T. 004, FILE 900 ALL IS
13 078	62	65-160	7						50%	8 sweep
14 079	63	66-161	8						50%	4 "
15 080	63	66-161	8						50%	8 "
16 081	64	67-162	9						50%	4 "
17 082	64	67-162	9						50%	8 "
18 083	65	68-163	10						50%	4 "
19 084	65	68-163	10						50%	8 "
20 085	66	69-164	11						50%	4 "
21 086	66	69-164	11		3				50%	8 "
22 087	67	70-165	12						50%	4 "
23 088	67	70-165	12		1				50%	8 "
24 089	68	71-166	13		2				50%	4 "
25 090	68	71-166	13		1	004			50%	8" E.O.T. 004

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-yellow 1-yellow	TYPE GEOPHONE ETEVL22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms sample RATE/48sec Record length	OBSERVER M. Richey,	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 E-W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA N.CAL. / SIERRA	STATE CAL.	COUNTY SIERRA	DATE 7-16-82
CREW NO. 6834	TERRAIN MOUNTAINOUS - DIRT ROAD	WEATHER Clear & Windy	LINE NO. 23 17	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN/50 Sweeps	TAPE RL.NO.	F L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	091	WINDSTRIP	72-167	14	5	005	OUT	J-V	66dB	B.O.T. 005; FILE 900 ALL 1'S (10 sec)
2	092	69	72-167	14	2				50%	4 Sweeps; WIND BEGINNING TO PICK-UP SLIGHTLY
3	093	69	72-167	14	2				50%	8 "
4	094	70	73-168	15					50%	4 "
5	095	70	73-168	15					50%	8 "
6	096	71	74-169	16	1				50%	4 "
7	097	71	74-169	16					50%	8 "
8	098	72	75-170	17	3				50%	4 "
9	099	72	75-170	17	2				50%	8 "
10	100	73	76-171	18					50%	4 "
11	101	73	76-171	18					50%	8 "
12	102	74	77-172	19	2				50%	4 "
13	103	74	77-172	19	3				50%	8 "
14	104	75	78-173	20	3				50%	4 "
15	105	75	78-173	20		005			50%	8 " E.O.T. 005.
16	107	76	79-174	21	1	006			50%	4 " B.O.T. 006; FILE# 900 ALL 1'S: 10 sec
17	108	76	79-174	21	1				50%	8 " WIND STRIP ON FILE 106 (48 sec)
18	109	77	80-175	22					50%	4 "
19	110	77	80-175	22					50%	8 "
20	111	78	81-176	23					50%	4 "
21	112	78	81-176	23					50%	8 "
22	113	79	82-177	24					50%	4 "
23	114	79	82-177	24					50%	8 "
24	115	80	83-178	25					50%	4 "
25	116	80	83-178	25					50%	8 "

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.

CLIENT CO CORP	AREA Northern California/Sierra	STATE CAL	COUNTY Sierra	DATE 7-16-82
CREW NO. 6834	TERRAIN Mountainous, Dirt Road	WEATHER P.C. & windy	LINE NO. CA:7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	81	84-179	26	5	5000 NEWB	006	OUT	IN	50%	4 Sweeps
2	81	84-179	26						50%	8 "
3	82	85-180	27						50%	4 "
4	82	85-180	27			006			50%	E.O.T. #006 ; 8 Sweeps.
5	83	86-181	28		1	007			50%	B.O.T. #007 FILE 900 ALL 7's 10 sec. ; 4 Sweeps
6	83	86-181	28		2				50%	Windstrip (48sec) on FILE # 121 ; 8 Sweeps
7	84	87-182	29							4 Sweeps
8	84	87-182	29		2					8 "
9	85	88-183	30		3					4 "
10	85	88-183	30							8 "
11	86	89-184	31		1					4 "
12	86	89-184	31							8 "
13	87	90-185	32		4					4 "
14	87	90-185	32							8 "
15	88	91-186	33		1					4 "
16	88	91-186	33							8 "
17	89	92-187	34							
18	89	92-187	34			007				E.O.T. 007.
19	90	93-188	35			008				B.O.T. 008 FILE 900 10 sec ALL 7's
20	90	93-188	35							WINDSTRIP ON FILE # 136 - 48 sec
21										
22										END. of DAY.
23										
24										
25										

Windstrip 121

136 Windstrip

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.

CLIENT COCORP	AREA NO. CALIF / SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-20-82
CREW NO. 6834	TERRAIN Dirt Road - Hilly	WEATHER clear	LINE NO. CAL 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	50 ~	AMP	
1	Pulse	1-6sec			1000	010	OFF	IN		Recorder SET AT 167-168
2	EINT	2-11 "								
3	D.R.DI	4-11 "								5" Vib 50' spacing 4 1/2 min UP
4	SWEEP	2-11 "								1st - 44' Behind FLAG. 8 SWEEP, 10-32 Hz / 32 sec
5	SWEEP	2-11 "								
6	SMILLY	1-32sec	217	5						50%
7	WINDSTRIP	1-48sec	21							60%
8	113	116-211	21	5						50%
9	114	117-212	22							50%
10	115	118-213	23							50%
11	116	119-214	24							50%
12	117	120-215	25							50%
13	118	121-216	26							50%
14	119	122-217	27			010				50% E.D. + #010 TAPE MARKS
15	120	123-218	28			011				60% B.D. + #011, 900 LOSS ALLOWED.
16	120	123-218	28							50%
17	121	124-219	29							50%
18	122	125-220	30		2					50%
19	123	126-221	31							50%
20	124	127-222	32		2					50%
21	125	128-223	33							50%
22	126	129-224	34							50%
23	127	130-225	35							50%
24	128	131-226	36							50%
25	129	132-227	37							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-VIB-01, 1-4900	TYPE GEOPHONE ETELY22P	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 3ms SAMPLE RATE / 48 sec Record Length			OBSERVER R. Patton, M. Richoy	PARTY MGR. L. Davis	LINE DIR. E-W

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF / SIERRA</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-20-80</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road / hilly</i>	WEATHER <i>clear</i>	LINE NO. <i>77</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	130	133-228	38	5	<i>30-50dB</i>	011	OUT	IN	50%	
2	131	134-229	39		1	011			50%	<i>E.O.T # 011, TAPE MKTS</i>
3	132	135-230	40		<i>WIND SWIP</i>	012			50%	<i>B.O.T # 012, 900 LOSOC ALLOWED</i>
4	132	135-230	40						50%	
5	133	136-231	41						50%	
6	134	137-232	42						50%	
7	135	138-233	43						50%	
8	136	139-234	44						50%	
9	137	140-235	46						50%	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF/ SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-21-82
CREW NO. 6834	TERRAIN Dirt Road & hilly	WEATHER clear	LINE NO. # 17	

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				012	OUT	IN		Recorder SET AT 183-184
2	134sec FINT	2- " "								
3	136sec D.R.D	4- " "								
4	150sec sumtest	2- " "								
5	150sec N.R.J test	2- " "								5 Vibs, 50' spacing, 41/4 mile LIP, 1st Vibs - 44' Behind FLAG, 3 sweep, 48sec Record Length.
6	932 Similarity	1-32sec	217	5						50%
7	192 WIND STRIP	1-48sec	30							66Db
8	193 138	141-236	30	5						50%
9	194 139	142-237	31							50%
10	195 140	143-238	32							50%
11	196 141	144-239	33		2	012				50% E.O. #012, TAPE MKTS.
12	197 142	145-240	34		manuscript	013				66Db B.O. #013, 900 10sec HILONES.
13	198 142	145-240	34							50%
14	199 143	146-241	35							50%
15	200 144	147-242	36							50%
16	201 145	148-243	37							50%
17	202 146	149-244	38							50%
18	203 147	150-245	39							50%
19	204 148	151-246	40							50%
20	205 149	152-247	41							50%
21	206 150	153-248	42		1					50%
22	207 151	154-249	43							50%
23	208 152	155-250	44							50%
24	209 153	156-251	45							50%
25	210 154	157-252	46			013				50% E.O. #013, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-V110025 1-1900	TYPE GEOPHONE E-15V22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER R. Patton, M. Pichey	PARTY NO. L. Davis			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF / SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-21-82
CREW NO. 6834	TERRAIN Dirt Road - hilly	WEATHER clear	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP	TAPE RL. NO.	F L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	211	158-253	26			014	OUT	IN	660	B.P. T# 014, 900 lose ALL ONES
2	212	158-253	26	5	1				50%	Recorder move UP AT 204-205
3	213	159-254	27						50%	
4	214	160-255	28						50%	
5	215	161-256	29						50%	
6	216	162-257	30						50%	
7	217	163-258	31		2				50%	
8	218	164-259	32	4					50%	Vib# 23651 OUT. 4 Vibs 1st Vibs STARTS 69' Behind
9	219	165-260	33		2				50%	Flag, 50' spacing 4 1/2 move up. 32 sec swp 8 sweeps.
10	220	166-261	34		2				50%	Vibs ARE IN and OUT OF Dead SPOTS MISSING
11	221	167-262	35		1				50%	TONES, Hilly, CURVEY Roads.
12	222	168-263	36		2				50%	
13	223	169-264	37		2				50%	
14	224	170-265	38		1				50%	
15	225	171-266	39			014			50%	EOT# 014 Tape MTS.
16										
17										
18										
19										
20										
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 MON.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO CALIF / SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-22-82
CREW NO. 6834	TERRAIN DIRT ROAD / BLACKTOP	WEATHER clear	LINE NO. 27	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	PULSE	1-6sec			missed sweep	015	OUT	IN		Recorder set at
2	EXT	2-"								Bot # 015 = 900 10sec All ones.
3	D.R.D	4-"								
4	SUM test	2-"								5 Vibs 50' spacing 41.24 move up
5	N.R.J. test	2-"								1st Vibs -44' Behind FLAG & SWEEP. 4Bsec
6	Similarity	1-32sec	217	5						50% Record Length.
7	WIND strip	1-48sec	10							NOTE: cable crossing HI-WAY SOME NOISE UP
8	169	172-267	10	5	1					50% Front, from STA 235-255.
9	170	173-268	11							50%
10	171	174-269	12		2					50%
11	172	175-270	13							50%
12	173	176-271	14							50%
13	174	177-272	15		2					50%
14	175	178-273	16							50%
15	176	179-274	17		1					50%
16	177	180-275	18		1					50%
17	178	181-276	19							50%
18	179	182-277	20							50%
19	180	183-278	21			015				50% E.O. + #015 TAPE MARKS
20	181	184-279	22			WIND strip 016				66% B.O. + #016 900 10sec ALL ONES.
21	181	184-279	22							50%
22	182	185-280	23							50%
23	183	186-281	24							50%
24	184	187-282	25							50%
25	185	188-283	26							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-Vibro, 1-4900	TYPE GEOPHONE E+EV122B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE/48sec Record Length	OBSERVER R. PATTON	PARTY MGR. M. RICHIE	L. DAVIS		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF - SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-22-83
CREW NO. 6834	TERRAIN Dirt Road/hilly	WEATHER clear	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	COP SW.	NO VIB	-AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS	
							LOCUT	GO ~	AMP		
1	245	186	189-284	27	5	7.5	016	OUT	IN	50%	
2	246	187	190-285	28						50%	
3	247	188	191-286	29						50%	
4	248	189	192-287	30						50%	
5	249	190	193-288	31						50%	
6	250	191	194-289	32	2					50%	
7	251	192	195-290	33						50%	
8	252	193	196-291	34						50%	
9	253	194	197-292	35		016				50%	E.O.T. # 016, TAPE MAKES
10	254	195	198-293	36	wind tip	017				66%	B.D.T. # 017, 900 10sec. ALL ONES.
11	255	195	198-293	36						50%	
12	256	196	199-294	37						50%	
13	257	197	200-295	38						50%	
14	258	198	201-296	39						50%	
15	259	199	202-297	40	1					50%	
16	260	200	203-298	41						50%	
17	261	201	204-299	42	1					50%	
18	262	202	205-300	43						50%	
19	263	203	206-301	44	1					50%	
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 MON.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF / SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-23-82
CREW NO. 6834	TERRAIN Dirt Road #	WEATHER clear	LINE NO. # 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F L T E R			REMARKS
							LOCUT	50 ~	AMP	
1 933	Pulse	1-6sec			500	217	OUT	IN		Recorder SET AT 272-273
2 935	EINT	2-"								
3 939	P.R.D	4-"								5 Vibs 50' spacing, 4 1/4 inches UP.
4 934	SWEEP test	2-"								1st Vib -44' Behind FLAG. 8 SWEEP.
5 960	N.R.D test	2-"								
6 932	similarity	1-32sec	217							NOTE: STA #255 OPEN DUE TO HI-WAY.
7 264	WIND STOP	1-48sec	7							
8 265	204	207-302	7			017				E.O.T #017, TAPE MARKS
9 266	205	208-303	8	WIND STOP		018				B.O.T #018, 900 10sec ALL ONES
10 267	205	208-303	8		1					
11 268	206	209-304	9							Picking up noise from Highway
12 269	209	210-305	10							
13 270	208	211-306	11							
14 271	209	212-307	12							
15 272	210	213-308	13							
16 273	211	214-309	14							
17 274	212	215-310	15							
18 275	213	216-311	16							
19 276	214	217-312	17							
20 277	215	218-313	18							
21 278	216	219-314	19							
22 279	217	220-315	20			018				E.O.T #018, TAPE MARKS
23 280	218	221-316	21	WIND STOP		019				B.O.T #019, 900 10sec ALL ONES.
24 281	218	221-316	21							
25 282	219	222-319	22							

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN see REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111221111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100V 1-Y900	TYPE GEOPHONE F+ELY20P	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length	OBSERVER R. PATTON, M. RICHY	PARTY MGR. J. DAVIS	LINE DIR. 1 TO 24 E → W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF / SIERRA	STATE CALIF	COUNTY SIERRA	DATE 7-23-82
CREW NO. 6834	TERRAIN Dirt Road + hilly	WEATHER clear	LINE NO. 27	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	283	220	223-318	23		019	OUT	IN	50%	
2	284	221	224-319	24					50%	
3	285	222	225-320	25					50%	
4	286	223	226-321	26					50%	
5	287	224	227-322	27					50%	
6	288	225	228-323	28					50%	
7	289	226	229-324	29					50%	
8	290	227	230-325	30					50%	
9	291	228	231-326	31					50%	
10	292	229	232-327	32					50%	
11	293	230	233-328	33					50%	
12	294	231	234-329	34		019			50%	E.O. #019, TAPE MK 15.
13	295	232	235-330	35	www strip	020			60%	B.O. #020, 900 LOSL. ALL QUES
14	296	232	235-330	35					50%	
15	297	233	236-331	36					50%	
16	298	234	237-332	37					50%	
17	SKIP	235	238-333	38					SKIP	Due to HI-WAY, STA # 235-258.
18	299	256	259-354	36					50%	Recorder moved UP AT 295-296 Vibs ON BLACK TOP. ON STA # 256.
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIFORNIA	COUNTY SIERRA	DATE 7-26-82
CREW NO. 6834	TERRAIN BLACK TOP & hilly	WEATHER clear		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	90°	AMP	
1	933 pulse	1 - 6 sec			missed Sweep	020	OUT	IN		Recorder SET AT 311-312
2	934/935 FINT	2 - " "								
3	936/937 D.R.D.	4 - " "								5 Vibs 50' spacing 41.74 move UP
4	938/939 Scum TEST	2 - " "								1st Vib - 44' Behind FLAG - 8 sweep.
5	940/941 NRT TEST	2 - " "								
6	932 similarity	1 - 32 sec	217	5						50%
7	300 Wind Strip	1 - 48 sec	21							66%
8	301 257	260-355	21	5	1					50%
9	302 258	261-356	22		4					50%
10	303 259	262-357	23		5					30% Vibs went to 30%, Denting BLACK TOP
11	304 260	263-358	24		2	020				30% E.O. + #020, TAPE MKTS.
12	305 261	264-359	25			021				66% B.O. + #021, 900 10SEC 1411 ONES
13	306 261	264-359	25							30%
14	307 262	265-360	26							30%
15	308 263	266-361	27	4						30% Vib # 16344 Down, oil Leak.
16	309 264	267-362	28							30%
17	310 265	268-363	29	5						30% Vib # 16344 Back on Line.
18	311 266	269-364	30		1					30%
19	312 267	270-365	31							30%
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-732 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 4-1100's 1-1900	TYPE GEOPHONE FTLEU 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate 48 sec Record Length	OBSERVER K. Patton	M. Richey	PARTY MOR. L. Dallas	LINE DIR. 1 TO 24 E-7W	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIFORNIA	COUNTY SIERRA	DATE 7-27-82
CREW NO. 6834	TERRAIN Black Top + Rolling Hills	WEATHER Clear	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweeps	021	OUT	IN		Recorder set at 311-312
2	934/935 EINT	2 - " "								
3	936/939 DRD	4 - " "								5 Vibs 50' spacing 4 1/4 move up.
4	953-954 Seam Test	2 - 48 sec								1st Vibs -44' Behind Flag, 8 sweep.
5	960/961 NRT TEST	2 - 6 sec								4 Vibs 50' spacing 4 1/4 move up.
6	932 Similarity	1 - 32 sec	217	5					50%	1st Vib -69 Behind Flag, 8 sweep.
7	313 Wind Strip	1 - 48 sec	32							66db Vib #17311 Down, mass problems
8	314 268	271-366	32	4	1					30% Vibs ARE IN Low Drive 30%.
9	315 269	272-367	33			021				30% EOT = 021 Tape MKTs
10	316 270	273-368	34			022				66db BOT = 022 *900 10 sec All ones.
11	317 270	273-368	34							50% Vibs went to High Drive.
12	318 271	274-369	35							50%
13	319 272	275-370	36							50% NOTE: TRAFFIC PICKING UP ON LINE.
14	320 273	276-371	37	5						30% Vibs went Back Low Drive, Starting to Dent Blacktop.
15	SKIP 274	277-372	38							SKIP Vib #17311 BACK ON LINE, ON STA#273.
16	SKIP 275	278-373	39							SKIP Due to Bad spots on pavement.
17	321 276	279-374	40							30%
18	322 277	280-375	41							30%
19	323 278	281-376	42							30%
20	324 279	282-377	43							30%
21	325 280	283-378	44							30%
22	326 281	284-379	45							30%
23	327 282	285-380	46		1					30%
24	328 283	286-381	47							30%
25	329 284	287-382	48			022				30% E.O.T #022, TAPE MKTs

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-VIBRO 1-900	TYPE GEOPHONE E+ELV22R	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48 sec Record Length		OBSERVER R. PATTON, M. RICHY		PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO, CALIF	STATE CALIF	COUNTY SIERRA	DATE 7-27-82
CREW NO. 6834	TERRAIN Black top + Rolling Hills	WEATHER clear	LINE NO. 47	

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	330	285	288-383	17	waxstrip	023	OUT	IN	66%	B.O. + #023, 900 10sec ALL ONES
2	331	285	288-383	17	5				30%	Recorder moved UP AT 343-344.
3	332	286	289-384	18					30%	
4	333	287	290-385	19					30%	
5	334	288	291-386	20					30%	
6	335	289	292-387	21					30%	
7	336	290	293-388	22					30%	
8	337	291	294-389	23					30%	
9	338	292	295-390	24					30%	
10	339	293	296-391	25					30%	
11	340	294	297-392	26					30%	
12	341	295	298-393	27					30%	
13	342	296	299-394	28		023			30%	E.O.T. #023, TAPE MTS.
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO, CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 7-28-82
CREW NO. 6834	TERRAIN BLACK TOP A Rolling Hills	WEATHER partly cloudy	LINE NO. 7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE			missed sweep	024	OUT	IN		Recorder set at 343-344
2	934	FIN+								B.O.T #024, 900 10sec ALL ONES.
3	935	D.R.D								
4	936	SUM test								4 Vibs 50' spacing 4/14 move UP.
5	937	NBS test								1st Vib 69' Behind Flag. 8 sweep, 3 sta OFFSET.
6	932	SIMILARITY	217	4		024				50% Vib #17311 Down, Fixing all leaks on back hydraulic
7	343	WINDSTRIP	29							NOTE: STA #364 OPEN DUE TO UNDER WATER stream.
8	344	297	29	4						30% Vibs ON BLACK TOP Road, LOW DRIVE. 30%.
9	345	298	30							30%
10	346	299	31							30%
11	347	300	32							30% TRAFFIC NOISE ON LINE.
12	348	301	33							30%
13	349	302	34							30%
14	350	303	35							30%
15	351	304	36							30%
16	352	305	37							30%
17	353	306	38			024				30% E.O.T #024, TAPE MAKES
18	354	307	39		WINDSTRIP	025				66% B.O.T #025, 900 10sec ALL ONES.
19	355	307	39							30%
20	356	308	40							30%
21	357	309	41							30%
22	358	310	42							30%
23	359	311	43							30%
24	360	312	44							30%
25	361	313	45							30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		SWEEP PATTERN See REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN x		FREQUENCY 7.5 Hz	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-y No. 1-4900	
TYPE GEOPHONE ETEN 220		STATION INTERVAL 330'		LINE DIR. E 71W	
REMARKS 8ms SAMPLE RATE / 48sec Record Length		OBSERVER R. PATTON, M. B. HAY		PARTY MGR. J. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO, CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 7-28-82
CREW NO. 6834	TERRAIN BLACK TOP + Rolling Hills	WEATHER clear		LINE NO. 27

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	314	317-412	46	4	30dB	025	OUT	IN	30dB	TRAFFIC, PICKING UP ON LINE.
2	315	318-413	47						30dB	
3	316	319-414	48						30dB	
4	317	320-415	49						30dB	
5	318	321-416	32						30dB	Recorder moved UP AT #361-362
6	319	322-417	33			025			30dB	F.O. + #025, TAPE MK+.
7	320	323-418	34	wind strip		026			60dB	B.O. + #026, 900 10sec ALL OVER
8	320	323-418	34						30dB	
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.	LINE DIR. 1 TO 24		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 7-29-82
CREW NO. 6834	TERRAIN BLACK TOP & Rolling Hills	WEATHER clear	LINE NO. 27	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSING SWEEP	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	PULSE	1-6sec				026	OUT	IN		Recorder SET AT 367-368
2	EINT	2-11"								
3	D.R.D	4-11"								5 Vib 50' spacing 41/4 move UP
4	SUMTEST	2-48sec								1st Vib -44' Behind FLAG. 8 sweep
5	N.R.J. test	2-6sec								
6	332 SIMILARITY	1-32sec	217	5					50%	
7	370 WIND strip	1-48sec	29						66db	NOTE: STA #346 NOISE, WATER FALL.
8	371 321	324-419	29	5					30%	Vib ON BLACK TOP ROAD. 30% DRIVE.
9	372 322	325-420	30						30%	
10	373 323	326-421	31						30%	
11	374 324	327-422	32						30%	
12	375 325	328-423	33						30%	
13	376 326	329-424	34						30%	
14	377 327	330-425	35						30%	
15	378 328	331-426	36			026			30%	F.D. TAPE 026, TAPE MARKS.
16	379 329	332-427	37		WIND strip	027			66db	B.O.T # 027, 900 10sec ALL OKS.
17	380 329	332-427	37						30%	
18	381 330	333-428	38						30%	
19	382 331	334-429	39						30%	
20	383 332	335-430	40						30%	
21	384 333	336-431	41		2				30%	
22	385 334	337-432	42						30%	
23	386 335	338-433	43						30%	
24	387 336	339-434	44						30%	
25	388 337	340-435	45						30%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32HZ/32sec		SWEEP PATTERN see REMARKS		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y1100V 1-Y900	
TYPE GEOPHONE E TELV22B		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>NO, CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>BLACK TOP + ROLLING</i>	WEATHER <i>clear</i>	LINE NO. <i># 1</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAP ^{ER} RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	338	341-436	46	5	<i>missed sweep</i>	027	OUT	IN	302	
2	SKIP	342-437	47							SKIP Due to Road CONDITION.
3	SKIP	343-438	48							SKIP " " " "
4	340	344-439	49			027			302	E.O.T #027, TAPE MAKES
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
REMARKS	OBSERVER			PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 7-30-82
CREW NO. 6834	TERRAIN BLACK TOP + Rolling Hills	WEATHER Clear	LINE NO. # 7	

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	028	OUT	IN		Recorder SET AT 399-400
2 934	EINT	2- " "								R.O.T # 028, 900 10sec ALL ONES.
3 935	D.R.D	4- " "								
4 936	SUM test	2-48sec								5 Vibs 50' spacing 41/4 move UP.
5 937	N.R.S.	2-6sec								1st Vb -44' Behind FLAG. 8 sweep.
6 932	SIMILARITY	1-32sec	217	5	1					50E
7 391	WIND STRIP	1-48sec	18							66Db NOTE: 364 ^{5th} OPEN Due to WATER FALL.
8 392	342	345-440	18	5		028				30E Vibs ON BLACK TOP, LOW DRIVE, 30% DRIVE
9 393	343	346-441	19							30E
10 394	344	347-442	20		1					30E
11 395	345	348-443	21		1					30E
12 396	346	349-444	22							30E
13 397	347	350-445	23							30E
14 398	348	351-446	24		2					30E
15 399	349	352-447	25							30E
16 400	350	353-448	26							30E
17 401	351	354-449	27							30E
18 402	352	355-450	28			028				30E E.O.T # 028, TAPE MKTS
19 403	353	356-451	29		WIND STRIP	029				66Db R.O.T # 029, 900 10sec ALL ONES.
20 404	353	356-451	29							30E
21 405	354	357-452	30							30E
22 406	355	358-453	31							30E
23 407	356	359-454	32							30E
24 408	357	360-455	33							30E
25 SKIP	358	361-456	34							SKIP Due to Road conditions

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
--------------	--------------	----------------	------------------	--------------	------------

SWEEP FREQUENCY 10-32Hz/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 4-V1100's 1-V400	TYPE GEOPHONE EYELV228	FREQUENCY 7.5Hz
REMARKS 8ms SAMPLE RATE / 48sec Record Length		OBSERVER R. PATTON, M. Richey	STATION INTERVAL 330'	PARTY MOR. J. DAVIS

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-30-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>BLACK TOP + ROLLING HILLS</i>	WEATHER <i>Clear</i>	LINE NO. <i>#7</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	SKIP 359	362-457	35	5	<i>Phase 2 Sweep</i>	<i>029</i>	<i>OUT</i>	<i>IN</i>	SKIP	<i>Doc to Road conditions</i>
2	SKIP 360	363-458	36						SKIP	" " " "
3	SKIP 361	364-459	37						SKIP	" " " "
4	<i>409</i> 362	365-460	38						<i>30%</i>	
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
REMARKS			OBSERVER	PARTY MGR.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-2-82
CREW NO. 6834	TERRAIN BLACK TOP + ROLLING HILLS	WEATHER Clear	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOG CUT	60 ~	AMP	
1	933 PULSE	1-6sec			missed sweep	029	OUT	IN		Recorder set at 415-416
2	934 EXT	2- " "								
3	936/434 D.R.D	4- " "								5 Vibs 50' spacing 414 move up, 1st Vib -44' Behind Flag. 8 sweep
4	953/534 SUM TEST	2-48sec								
5	960/661 N.P.J.	2-6sec								
6	932 Similarity	1-32sec	217	5						50%
7	410 WINDSTIP	1-48sec	24							66db
8	411 363	366-461	24	5	2					30%
9	412 364	367-462	25							30%
10	413 365	368-463	26		1					30%
11	414 366	369-464	27							30%
12	415 367	370-465	28			029				30% E.O.T #029, TAPE MKTS.
13	416 368	371-466	29		wind strip	030				66db 30. + #030, 900 10sec 141 ONES
14	417 368	371-466	29		1					30%
15	418 369	372-467	30							30% TRAFFIC PICKING UP ON LINE, Real NOISY.
16	419 370	373-468	31							30%
17	420 371	374-469	32							30%
18	421 372	375-470	33							30%
19	422 373	376-471	34							30%
20	423 374	377-472	35							30%
21	424 375	378-473	36							30%
22	425 376	379-474	37							30%
23	426 377	380-475	38							30%
24	427 378	381-476	39							30%
25	428 379	382-477	40							30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-V1100's 1-V900	TYPE GEOPHONE E+ELV228	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MOR. L. DAVIS	LINE DIR. 1 TO 24 F2W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-2-82
CREW NO. 6834	TERRAIN BLACK TOP ST. Rolling Hills	WEATHER clear	LINE NO. 7	

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	380	383 - 478	41	5	missed sweep	030	VRT	IN	30%	E.D. + F. 030 TAPE MKTS
2	381	384 - 479	42			031			60%	B.O. + F. 031, 900 10sec 411 ONES
3	381	384 - 479	42						30%	
4	382	385 - 480	43						30%	
5	383	386 - 481	44						30%	H1-WAY Department working on H1-WAY
6	384	387 - 482	45						20%	Vibs went to 20% Drive, Due to Vibs, Denting
7	SKIP	388 - 483	46							SKIP H1-WAY.
8	SKIP	389 - 484	47							SKIP Due to H1-WAY conditions.
9	SKIP	390 - 485	48							SKIP " " " "
10	SKIP	391 - 486	49							SKIP " " " "
11	389	392 - 487	24						20%	Recorder moved up at 440 - 441.
12	390	393 - 488	25						20%	
13	932	similarity 1-32sec	217						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	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.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-3-82
CREW NO. 6834	TERRAIN BLACK TOP + Rolling Hill	WEATHER clear	LINE NO. #7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOGUT	80~	AMP	
1	PULSE	1-6sec				031	OUT IN			Recorder SET AT 440-441
2	FINT	2-''''								
3	D.R.D	4-''''								5 Vibs 50' spacing 4 1/4 move up
4	SYN test	2-''''								1st Vib -44' BEHIND FLAG 8 sweep.
5	N.R.J.	2-''''								
6	SIMILARITY	1-32sec	21	5						30% Vib starting ON GRAVEL Road. STA# 481 1/2
7	WINDSTRIP	1-48sec	15							66% Vibs HAVE SWITCH ENDS OF LINE, Vib ARE AT
8	481	383-478	15	5						50% Front OF LINE 3 sta OFFSET, started to Pull
9	482	384-479	16							50% LINE From STA# 481.
10	483	385-480	17			031				50% E.O.T# 031, TAPE MKTS.
11	484	386-481	18			032				66% B.O.T# 032, 900, 10sec ALLOWES.
12	484	386-481	18							50%
13	485	387-482	19		2					50%
14	486	388-483	20		1					50%
15	487	389-484	21							50%
16	488	390-485	22		1					50%
17	489	391-486	23							50%
18	490	392-487	24		1					50%
19	491	393-488	25		2					50% traffic Begin to pick up.
20	492	394-489	26							50%
21	493	395-490	27							30% Vib BACK ON BLACK TOP, 30% DRIVE.
22	494	396-491	28		1					30%
23	495	397-492	29							30%
24	496	398-493	30			032				30% E.O.T# 032, TAPE MKTS
25	497	399-494	31			033				66% B.O.T# 033, 900 10sec ALLOWES.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
--------------	--------------	----------------	------------------	--------------	------------

SWEEP FREQUENCY 10-32Hz/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 4-V11005 1-4900	TYPE GEOPHONE F TELV22P	FREQUENCY 7.5HZ
STATION INTERVAL 330'		LINE DIR. 1 TO 24 E-W		

REMARKS 8ms sample RATE/.48 sec Record Length	OBSERVER R. PATTON	PARTY MGR. M. Richey	Z. DAVIS
---	------------------------------	--------------------------------	-----------------

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-3-82
CREW NO. 6834	TERRAIN Dirt Road + BACK TOP ROAD	WEATHER Clear	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	456	497	399-494	31	5	033	0CLT	1N	30%	
2	457	498	400-495	32					30%	
3	458	499	401-496	33					30%	
4	459	500	402-497	34					30%	
5	460	501	403-498	35	1				30%	
6	461	502	404-499	36					30%	
7	462	503	405-500	37					30%	
8	463	504	406-501	38	1				20%	Vibs WENT TO 20% DRIVE. DUE TO HI-WAY CONDITIONS
9	464	505	407-502	39					20%	
10	465	506	408-503	40	1				20%	
11	466	507	409-504	41	1	033			20%	EOT #033, TAPE MKTS.
12	467	508	410-505	7	1	034			60%	B.O.T #034, 900 W/ES ALL ONES
13	468	508	410-505	7					20%	Recorder moved UP AT 475' 476
14	469	509	411-506	8					20%	
15	470	510	412-507	9	1				20%	
16	471	511	413-508	10					20%	
17	472	512	414-509	11					20%	
18	473	513	415-510	12					20%	
19	474	514	416-511	13	1				20%	
20	SKIP	515	417-512	14					SKIP	Due TO Road Conditions
21	475	516	418-513	15					20%	Stacked Last half.
22	476	517	419-514	16					20%	
23	477	518	420-515	17					50%	Vibs are BACK ON DIRT ROAD, AT 50%
24	478	519	421-516	18					50%	
25	479	520	422-517	19		034			50%	SIMILARITY AT END OF DAY. #932 EOT #034 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.

CLIENT COCORP	AREA NO. Calif	STATE Calif	COUNTY SIERRA	DATE 8-4-82
CREW NO. 6834	TERRAIN Dirt Road, Rolling Hills	WEATHER Clear	LINE NO. 7	

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	499	538	440-535	17	5	1	036	OUT	IN	50%	
2	500	539	441-536	18						50%	
3	501	540	442-537	19		1				50%	
4	502	541	443-538	20						50%	
5	503	542	444-539	21						50%	
6	504	543	445-540	22						50%	
7	505	544	446-541	23						50%	
8	506	545	447-542	24		1	036			50%	F.O.T # 036, TAPE MKTS
9	507	546	448-543	25	wind	strip	037			66db	B.O.T # 037, 900 10sec ALL ONES.
10	508	546	448-543	25						50%	
11	509	547	449-544	26						50%	
12	510	548	450-545	27						50%	
13	511	549	451-546	28						50%	
14	512	550	452-547	29						50%	
15	513	551	453-548	30						50%	
16	514	552	454-549	31						50%	
17	515	553	455-550	32						20%	20% DRIVE Due to DAM.
18	516	554	456-551	33		1				50%	
19	517	555	457-552	34		1				50%	
20	518	556	458-553	35						50%	
21	519	557	459-554	36		1				50%	
22	520	558	460-555	37		2	037			50%	FOT # 037 Tape MKTS
23	521	559	461-556	38	wind	strip	038			66db	Bot # 038 # 900 10 sec ALL ones.
24	522	559	461-556	38		2				50%	
25	523	560	462-557	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	
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.**

CLIENT COCORP	AREA NO. Calif	STATE Calif	COUNTY SIERRA	DATE 8-4-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear		LINE NO. 7

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	524	561	463-558	40	5	missed 3 sweeps	038	OUT	IN	50%
2	525	562	464-559	41						50%
3	526	563	465-560	42						50%
4	527	564	466-561	43						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	
REMARKS		OBSERVER				PARTY MGR.					

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-5-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear		LINE NO. 47

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				038	OUT	IN		Recorder SET AT 538-539
2	934/435 FKIT	2- " "								
3	936/431 D.R.D	4- " "								
4	937/434 sum test	2- " "								5 Vib 50' spacings 4 1/4 MOVE UP
5	938/461 N.R. I test	2- " "								1st Vib -44' Behind Flag; 8 SWEEP.
6	932 similarity	1-32sec	217	5						50%
7	528 wind strip	1-48sec	1							66%
8	529 565	467-562	1	5						50%
9	530 566	468-563	2							50%
10	531 567	469-564	3							50%
11	532 568	470-565	4			038				E.O.T #038, TAPE MKT
12	533 569	471-566	5		wind strip	039				B.O.T #039, 900 INSEC MILL ONES.
13	534 569	471-566	5							50%
14	535 570	472-567	6							50%
15	536 571	473-568	7							50%
16	537 572	474-569	8							50%
17	538 573	475-570	9							50%
18	539 574	476-571	10							50%
19	540 575	477-572	11							50%
20	541 576	478-573	12							50%
21	542 577	479-574	13							50%
22	SKIP 578	480-575	14							SKIP Due to Road conditions
23	543 579	481-576	15							50%
24	544 580	482-577	16							50%
25	545 581	483-578	17			039				E.O.T #039, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-Y11005 1-Y900	TYPE GEOPHONE ETE/V22B	FREQUENCY 7.5 HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Len			OBSERVER R. PATTON, M. Richey	PARTY MOR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-5-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	546	484-579	18	5	100	040	OUT	IN	660	3.0. T# 040, 900 10sec. ALL ONES. WINDSTRIP FILE # 556
2	547	484-579	18						50%	
3	548	485-580	19						50%	
4	549	486-581	20						50%	
5	550	487-582	21						50%	
6	551	488-583	22						50%	
7	552	489-584	23						50%	
8	553	490-585	24						50%	
9	554	491-586	25						50%	
10	555	492-587	26						50%	
11	556	493-588	27						50%	
12	557	494-589	28						50%	
13	558	495-590	29			040			50%	E.O. T# 040. TAPE MKTS
14	559	496-591	30		WIND STRIP	041			660	B.O. T# 041, 900 10sec. ALL ONES.
15	560	496-591	30						50%	
16	561	497-592	31	4					50%	Vib # 16344 Down, RUSTED hydraulic hoses
17	562	498-593	32						50%	
18	563	499-594	33						50%	
19	564	500-595	34						50%	
20	565	501-596	35						50%	
21	566	502-597	36						50%	
22	567	503-598	37						50%	
23	568	504-599	38						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 MGR.			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-6-82
CREW NO. 6834	TERRAIN Dirt Road & Hill	WEATHER clear		LINE NO. #7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	OO ~	AMP	
1	Pulse	1-6sec			75dB	041	OUT	IN		Recorder SET AT 575-576
2	FIN+	2-"								
3	D.R.D	4-"								5 Vibs 50' spacing. 4 1/4 MOVE UP.
4	sum test	2-"								1st Vib -44' Behind Flag. 8 sweep
5	N.R.J. test	2-"								Vib #16344 DOWN, BUSTED hydraulic hoses
6	Similarity	1-32sec	217	4		041				50% F.O.T #041, TAPE MKTS
7	WIND STRIP	1-48sec	2			042				60% B.O.T #042, 900 10sec ALL OUES.
8	603	505-600	2	4						50% 4 Vibs 50' spacing 4 1/4 move UP.
9	604	506-601	3		1					50% 1st Vib -69' Behind Flag., 8 sweep.
10	605	507-602	4		2					50%
11	606	508-603	5		1					50%
12	607	509-604	6							50%
13	608	510-605	7							50%
14	609	511-606	8							50%
15	610	512-607	9							50%
16	611	513-608	10							50%
17	612	514-609	11							50%
18	613	515-610	12							50%
19	614	516-611	13							50%
20	615	517-612	14			042				50% F.O.T #042, TAPE MKTS.
21	616	518-613	15			043				60% B.O.T #043, 900 10sec ALL OUES
22	616	518-613	15							50%
23	617	519-614	16							50%
24	618	520-615	17							50%
25	619	521-616	18							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN see REMARKS		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-y11005 1-Y400	
REMARKS 8ms SAMPLE RATE/48sec Record length		TYPE GEOPHONE ETFLV22B		FREQUENCY 7.5HZ	
		OBSERVER R. PATTON, M. RICHEY		STATION INTERVAL 330'	
		PARTY MOR. L. DAVIS		LINE DIR. 1 TO 24 E-W	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-6-82
CREW NO. 6834	TERRAIN Dirt Road + Hills	WEATHER Clear	LINE NO. #7	

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	588 620	522-617	19	4	missed 1 sweep	043	CUT	IN	50%	
2	589 621	523-618	20						50%	
3	590 622	524-619	21						50%	
4	591 623	525-620	22	5	1				50%	Vib #16344 BACK ON LINE.
5	592 624	526-621	23		2				50%	
6	593 625	527-622	24						50%	
7	594 626	528-623	25						50%	
8	595 627	529-624	26						50%	
9	596 628	530-625	27			043			50%	E.O.T #043, TAPE MARKS
10	597 629	531-626	28		wind strip	044			50%	B.O.T #044, 900 10sec MARKS
11	598 629	531-626	28						50%	
12	599 630	532-627	29						50%	
13	600 631	533-628	30						50%	
14	601 632	534-629	31	4	8				50%	Vib #25874 Down, Guide column LOOSE,
15	602 633	535-630	32	5					50%	ON STA #632 Vib missed TONES, Vibs were IN Dead
16	SKIP 634	536-631	33						SKIP	spot: Due to Vib NOT RECEIVE TONES
17	603 635	537-632	34		6				50%	
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO, CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-9-82
CREW NO. 6834	TERRAIN Dirt Road & hills	WEATHER clear	LINE NO. #7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOGUT	60~	AMP	
1	933 Pulse	1-6sec			missed sweep	044	OUT	IN		Recorder SET AT 609-610
2	934 EINT	2- " "								
3	936 D.R.D	4- " "								5 Vib 50' spacing 4 1/4 mile MP.
4	953 SWINT	2- " "								1st Vib - 44' Behind Fing., 8 sweep
5	960 N.P.T.	2- " "								
6	932 Similarity	1-32sec	217	5						50%
7	604 WINDstrip	1-48sec	1							66%
8	605 636	538-633	1	5						50%
9	606 637	539-634	2							50%
10	607 638	540-635	3							50%
11	608 639	541-636	4			044				50% F.O.T# 044, TAPE MKT'S
12	609 640	542-637	5		wind strip	045				66% B.O.T# 045, 900 10sec ALONES.
13	610 640	542-637	5							50%
14	611 641	543-638	6							50%
15	612 642	544-639	7							50%
16	613 643	545-640	8							50%
17	614 644	546-641	9							50%
18	615 645	547-642	10							50%
19	616 646	548-643	11							50%
20	617 647	549-644	12							50%
21	618 648	550-645	13							50%
22	619 649	551-646	14							50%
23	620 650	552-647	15							50%
24	621 651	553-648	16							50%
25	622 652	554-649	17			045				50% F.O.T# 045, TAPE MKT'S

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-V1100's 1-V-900	TYPE GEOPHONE ETETV22P	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length		OBSERVER R. PATTON, M. RICHES		PARTY MGR. Z. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>8-9-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + hills</i>	WEATHER <i>clear</i>	LINE NO. <i>#7</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	623	555-650	18							B.O. T# 046, 900 10sec. 7H11 DATES
2	624	555-650	18							
3	625	556-651	19							
4	626	557-652	20							
5	627	558-653	21							
6	628	559-654	22							
7	629	560-655	23							
8	630	561-656	24							
9	631	562-657	25							
10	632	563-658	26		1					
11	633	564-659	27							
12	634	565-660	28							
13	635	566-661	29							
14	636	567-662	30			046				E.O. T# 046, TAPE MKTS
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.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-10-82
CREW NO. 6834	TERRAIN Dirt Road + Rollins Hills	WEATHER Clear	LINE NO. #7	

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				047	CULT	IN		Recorder SET AT 639-640
2	934 FINT	2- " "								B.O.T #047, 900 10sec ALL ONES.
3	936 D.R.D	4- " "								5 Vib 50' SPACING 4 1/4 MOVE UP
4	955 SUM test	2- " "								1st Vib -44 Behind FLAG. 8 sweep
5	961 N.R.D	2- " "								
6	932 SIMILARITY	1-32sec	217	5						50%
7	637 WINDSTRIP	1-48sec	1							66%
8	638 666	568-663	1	5						50%
9	639 667	569-664	2							50%
10	640 668	570-665	3							50%
11	641 669	571-666	4							50%
12	642 670	572-667	5							50%
13	643 671	573-668	6							50%
14	644 672	574-669	7							50%
15	645 673	575-670	8							50%
16	646 674	576-671	9							50%
17	647 675	577-672	10			047				50% F.O.T #047, TAPE MKTS
18	648 676	578-673	11		WIND STRIP	048				66% B.O.T. 048, 900 10sec ALL ONES.
19	649 676	578-673	11							50%
20	650 677	579-674	12							50%
21	651 678	580-675	13							50%
22	652 679	581-676	14							50%
23	653 680	582-677	15							50%
24	654 681	583-678	16							50%
25	655 682	584-679	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-Y1100 1-Y900	TYPE GEOPHONE ETELV22P	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 98 sec Record Length	OBSERVER R. PATTON, M. RICHEY	PARTY MOR. Z. DAVIS	LINE DIR. E-W		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>8-10-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road & Hill</i>	WEATHER <i>clear</i>	LINE NO. <i>#17</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	656	683	585-680	18	5	048	OUT	IN	50%	
2	657	684	586-681	19					50%	
3	658	685	587-682	20					50%	
4	659	686	588-683	21					50%	
5	660	687	589-684	22		048			50%	E.O. T# 048, TAPE MKTS.
6	661	688	590-685	23	WIND STIP	049			66%	R.O. T# 049, 900 10sec ALLONES
7	662	688	590-685	23					50%	
8	663	689	591-686	24					50%	
9	664	690	592-687	25					50%	
10	665	691	593-688	26					50%	
11	666	692	594-689	27					50%	
12	667	693	595-690	28					50%	
13	668	694	596-691	29					50%	
14	669	695	597-692	30	1				50%	
15	670	696	598-693	31	1				50%	
16	671	697	599-694	32					50%	
17	672	698	600-695	33					50%	
18	673	699	601-696	34		049			50%	F.O. T# 049, TAPE MKTS.
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-11-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER clear		LINE NO. 7

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	1-6sec				050	OUT	IN		Recorder SET AT
2	834 EINT	2- " "								B.O. + #050, 900 10sec 141 ONES.
3	536 D.R.D	4- " "								5 Vibs 50' spacings 4 1/4 MOVE UP.
4	338 SW test	2- " "								1st Vib -44' Behind Flag. 8 sweep.
5	461 N.P.S test	2- " "								
6	932 Similarity	1-32sec	217	5						50%
7	674 WINDSTRIP	1-48sec	1							66Db
8	675 700	602-697	1	5						50%
9	676 701	603-698	2		1					50%
10	677 702	604-699	3		1					50%
11	678 703	605-700	4							50%
12	679 704	606-701	5							50%
13	680 705	607-702	6							50%
14	681 706	608-703	7							50%
15	682 707	609-704	8							50%
16	683 708	610-705	9							50%
17	684 709	611-706	10							50%
18	685 710	612-707	11			050				50% E.O. + #050, TAP MKTS
19	686 711	613-708	12		WIND STRIP	051				66Db B.O. + #051, 900 10sec 141 ONES
20	687 711	613-708	12							50%
21	688 712	614-709	13							50%
22	689 713	615-710	14							50%
23	690 714	616-711	15		1					50%
24	691 715	617-712	16							50%
25	692 716	618-713	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN sec REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-VIBROS 1-1900	TYPE GEOPHONE ETELV22B	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.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-11-82
CREW NO. 6834	TERRAIN Dirt Road - hilly	WEATHER clear	LINE NO. #27	

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	693	717	619-714	18	5	1/33sec 3sec	051	OUT IN	50%
2	694	718	620-715	19					50%
3	695	719	621-716	20	1				50%
4	696	720	622-717	21					50%
5	697	721	623-718	22					50%
6	698	722	624-719	23					50%
7	699	723	625-720	24	4	1	051		50% E.O.T#051, TAPE MKTS - Vib#16344 Down, Replacing Pad Bolts.
8	700	724	626-721	25	WIND	scrap	052		660% R.O.T#052, 900 10sec All OK's.
9	701	724	626-721	25					50%
10	702	725	627-722	26	5				50% Vib#16344 BACK ON LINE.
11	703	726	628-723	27					50%
12	704	727	629-724	28					50%
13	705	728	630-725	29					50%
14	706	729	631-726	30					50%
15	707	730	632-727	31					50%
16	708	731	633-728	32					50%
17	709	732	634-729	33					50%
18	710	733	635-730	34					50%
19	711	734	636-731	35			052		50% E.O.T#052, TAPE MKTS
20									
21									
22									
23									
24									
25									

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT CDORP	AREA No. CALIF	STATE CALIF.	COUNTY SIERRA	DATE 8-12-82
CREW NO. 6834	TERRAIN Art Road - Hilly Terrain	WEATHER Clear		LINE NO. #7

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	731	654-749	18		AMP GAIN	054			30%	
2	732	655-750	19						30%	
3	733	656-751	20						30%	
4	734	657-752	21						30%	
5	735	658-753	22						30%	
6	736	659-754	23			054			30%	EOT #54 Tape Mkts
7	737	660-755	24	WINDSTEP		055			66db	EOT #55 900 10secs All Ones
8	738	660-755	24						30%	
9	739	661-756	25						30%	
10	740	662-757	26						30%	
11	741	663-758	27						30%	
12	742	664-759	28						30%	
13	743	665-760	29						30%	
14	744	666-761	30						30%	
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-13-82
CREW NO. 6834	TERRAIN DIRT ROAD + ROLLING HILLS	WEATHER CLEAR		LINE NO. # 7

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	1-6 sec			MIXED 5 SEC		CUT	IN		Recorder Set At 738-739
2	944/25 EINT	2- " "								BO
3	956/1939 D.R.O.	4- " "								5 VIB 50' SPACING 4 1/4 MOVE UP
4	953/254 SUM TEST	2- " "								1st Vib - 44' behind flag, 8 sweeps
5	906/21 NRS. TEST	2- " "								
6	932 Similarity	1-32 sec	217	5						50%
7	745 Windstrip	1-48 sec	1							60dB
8	746 765	667-762	1	5						30% VIB ON BLACKTOP
9	747 766	668-763	2	5						30%
10	748 767	669-764	3	5		55				30% E.O.T. #55 TAKE MKTS
11	749 768	670-765	4	5	wind strip	56				60dB BOT #056 90 10 sec ALL ONES
12	750 768	670-765	4	5						30%
13	751 769	671-766	5							30%
14	752 770	672-767	6							30% RELIEVED BLAST ON SWEEP #2
15	753 771	673-768	7							30%
16	754 772	674-769	8							30%
17	755 773	675-770	9							30%
18	756 774	676-771	10							30%
19	757 775	677-772	11							30%
20	758 776	678-773	12							50%
21	759 777	679-774	13							30%
22	760 778	680-775	14							30%
23	761 779	681-776	15							30%
24	762 780	682-777	16			056				30% ON 1st 1/2 of STA - ROAD WORK - EOT # 056 TP MKTS
25	763 781	683-778	17	wind strip		057				60dB BOT # 057 90 10 sec ALL ONES Road Work

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz		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 4-41100's 1-1/200	TYPE GEOPHONE EFLV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330
REMARKS 8ms Sample Rate / 48 sec Record Length			OBSERVER R Patton, M. Richey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-13-82
CREW NO. 6834	TERRAIN Dirt Road + Black top.	WEATHER Clear	LINE NO. #7	

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	SKIP	683-778	17	5		057	OUT	IN	SKIP	Due to Road work.
2	764	684-779	18						30%	
3	765	685-780	19						30%	
4	766	686-781	20	4					30%	Vib #17311 Down, oil leak.
5	767	687-782	21						30%	
6	768	688-783	22						30%	
7	769	689-784	23						30%	
8	770	690-785	24						30%	
9	771	691-786	25						30%	
10	772	692-787	26						30%	
11	773	693-788	27			057			30%	STACK LAST HALF EOT #057 TAKE MKTS
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-16-82
CREW NO. 6834	TERRAIN ROLLING HILLS + BLACKTOP	WEATHER CLEAR	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	GO ~	AMP	
1	933	PULSE			^{41.5dB} 05B	05B	OUT	IN		BOT 900 10 SECS ALL ORES
2	934/935	EINT								Recorder SET AT 765-766
3	934/939	O.R.O.								NOTE: VIBRATORS AT 20%, 16 sec sweep, 16 sweeps
4	953/954	SQA TEST								PER STATION, 10-32hz
5	960/961	NRS TEST								20' MOVE UP - 50' SPACING,
6	932	SIMILARITY	217	5					50%	1st Vib - 44' Behind FLAG.
7	774	Wind strip	1-36	SEC					60dB	
8	775	792	694-789	1	5				20%	Vibs ON BLACK TOP.
9	776	793	695-790	2					20%	
10	777	794	696-791	3					20%	
11	778	795	697-792	4					20%	
12	779	796	698-793	5					20%	
13	780	797	699-794	6	1				20%	
14	781	798	700-795	7	1				20%	
15	782	799	701-796	8	1				20%	
16	783	800	702-797	9	1				20%	
17	784	801	703-798	10	2				20%	Vibs ARE IN and out of Dead spots. MISSING TONES.
18	785	802	704-799	11	1				20%	
19	786	803	705-800	12	4				20%	
20	787	804	706-801	13	2	058			20%	E.O.T #058, NO TAPE MKTS,
21	788	805	707-802	14	WIND strip	059			66dB	B.O.T #059, 900 10sec ALLOWES.
22	789	805	707-802	14	2				20%	
23	790	806	708-803	15	2				20%	
24	791	807	709-804	16					20%	
25	792	808	710-805	17					20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN x	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-71100 1-4900	TYPE GEOPHONE E+ELV22B	FREQUENCY 7.5 hz	STATION INTERVAL 330'
REMARKS 8ms sample rate 36sec record	OBSERVER R Patton, M Richey	PARTY MOR. L. DAVIS	LINE DIR. 1 TO 24 E → W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-17-82
-------------------------	---------------------------	-----------------------	-------------------------	------------------------

CREW NO. 6834	TERRAIN Rolling Hills + Blacktop	WEATHER Clear	LINE NO. #7
-------------------------	--	-------------------------	-----------------------

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933	PULSE				059	OUT	IN		Recorder SET AT 775-776
2	884/825	FINT								
3	926/837	D.R.D								5 Vibs, 50' spacing, 4 1/4 move up.
4	853/854	SUM TEST								1st Vib -44' Behind Flag. 8 sweep.
5	806/861	NRS TEST								48 sec record
6	932	SIMILARITY	217	5					50%	
7	793	WINDSTRIP	8						66db	
8	794	809	8	5					20%	
9	795	810	9	5					20%	
10	796	811	10	5					20%	
11	797	812	11	5					20%	
12	798	813	12	5					20%	
13	799	814	13	5					20%	
14	800	815	14			059			20%	E.O.T #059, TAPE MKTS
15	801	816	15		windstrip	060			66db	B.O.T #060, 900 10sec full ones.
16	802	816	15						20%	5 VIBS, 50' spacing, 20' move up 1st Vib 44' behind flag
17	803	817	16						20%	16 sec sweep, 16 sweeps per station, 36 sec rec
18	804	818	17						20%	NO TO ROAD DAMAGE
19	805	819	18						20%	
20	806	820	19						20%	
21	807	821	20						20%	
22	808	822	21						20%	
23	809	823	22						20%	
24	810	824	23						20%	
25	811	825	24						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
--------------	--------------	----------------	------------------	--------------	------------

SWEEP FREQUENCY 10-32 Hz	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 4-4-1100's 1-4-900	TYPE GEOPHONE E+EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'	LINE DIR. 1 TO 24 E → W
---------------------------	--------------------------------	--	--------------------------	---------------------	--------------------------	-------------------------------

REMARKS 8ms sample rate, 48sec Record Length	OBSERVER R. PATTON, M. Riebel	PARTY MOR. L. DAVIS
---	----------------------------------	------------------------

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No. Calif	STATE Calif.	COUNTY SIERRA	DATE 8-17-82
CREW NO. 6834	TERRAIN Rolling Hills + Blacktop	WEATHER Clear	LINE NO. 7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F L T E R			REMARKS
							LOCUT	80~	AMP	
1	812	728-823	25	5	1	060	OUT	IN	20%	
2	813	729-824	26		11				20%	
3	814	730-825	27						20%	
4	815	731-826	28						20%	
5	816	732-827	29						20%	
6	817	733-828	30			060			20%	EDT #60 TAPES MKS
7	818	734-829	31	WOODSTRIP		061			6Ldb	EDT #61 900.10 SEC ALL ONES
8	819	734-829	31						20%	
9	820	735-830	32						20%	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No. Calif.	STATE CALIF	COUNTY SIERRA	DATE 8-18-82
CREW NO. 6834	TERRAIN Rolling Hills + Blacktop	WEATHER CLEAR	LINE NO. #7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			MISSED SWEEP	061	OUT	W		Recorder SET AT 807-808
2	934/935	EINT								NOTE: VIBRATES AT 20% , 16 sec SWEEP , 16 SWEEPS
3	936/939	DRD								per STATION , 10-32 hz
4	940/941	SIM TEST								20' move-up , 50' spacing 1st Vib 44' behind flag
5	942/943	NRS TEST								
6	932	SIMILARITY	717	4					50%	
7	821	WINDSTRIP	1-36 sec						66db	
8	822	834	736-831	1	5				20%	VIB #3 out on similarity , checked out ok
9	823	835	737-832	2					20%	
10	824	836	738-833	3					20%	Vibs on blacktop
11	825	837	739-834	4					20%	
12	826	838	740-835	5					20%	Construction around 772-773 , BLAST ON SWEEP 13
13	827	839	741-836	6					20%	
14	828	840	742-837	7					20%	
15	829	841	743-838	8					20%	
16	830	842	744-839	9					20%	4 VIBS SWEEP 11-16 #23452 OUT
17	831	843	745-840	10	4				20%	
18	832	844	746-841	11		061			20%	EOT TAPE MKTS
19	833	845	747-842	12	WINDSTRIP	062			66db	BOT #2900 10 sec ALL ONES
20	834	845	747-842	12	5				20%	#23452 BACK IN - PUT PIN IN LEFT CYLINDER
21	835	846	748-843	13					20%	
22	836	847	749-844	14					20%	
23	837	848	750-845	15					20%	
24	838	849	751-846	16					20%	
25	839	850	752-847	17					20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 hz		SWEEP PATTERN SEE REMARKS		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-4100's 1-4-900'	
REMARKS Bms SAMPLE RATE 36 sec Record Length		TYPE GEOPHONE E TELV 22 B		FREQUENCY 7.5 hz	
OBSERVER R. Patton , M. Richoy		STATION INTERVAL 330'		PARTY MOR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>No Calif</i>	STATE <i>Calif.</i>	COUNTY <i>Sierra</i>	DATE <i>8-18-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills + Blacktop</i>	WEATHER <i>CLEAR</i>	LINE NO. <i>7</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	840	753-848	18	5	<i>20%</i>	062	OUT	IN	20%	
2	841	754-849	19						20%	
3	842	755-850	20		II				20%	
4	843	756-851	21						20%	
5	844	757-852	22						20%	
6	845	758-853	23			062			20%	EOT 062 TAPE MKTS
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 MOR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No Calif.	STATE CALIF	COUNTY SIERRA	DATE 8-19-82
CREW NO. 6834	TERRAIN Rolling Hills + Blacktop	WEATHER CLEAR		LINE NO. #7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	BO ~	AMP	
1	933	PULSE			MISSED SWEEP	064	CUT	IN		BOT 064 900 10 SEC ALL ONES
2	934/935	EINT								REORDER BETWEEN 830 and 831
3	936/939	D.R.D.								NOTE: VIBRATORS AT 20% , 16 sec sweep , 16 sweeps
4	953/954	SUM TEST								per station , 10-32 Hz
5	960/961	NRS TEST								20' move-up , 50' spacing , 1st Vib 44' behind flag
6	932	SIMILARITY	217						50%	
7	846	WINDSTRIP	1						66db	
8	847	857	1	5					70%	
9	848	858	2						20%	
10	849	859	3						20%	
11	850	860	4						20%	
12	851	861	5						20%	
13	852	862	6						20%	
14	853	863	7						20%	CONSTRUCTION AT STATION 772-773
15	854	864	8						20%	
16	855	865	9						20%	
17	856	866	10						20%	
18	857	867	11						20%	
19	858	868	12			064			20%	EOT TAPE MKTS (064)
20	859	869	13	WINDSTRIP		065			66db	BOT 065 10 SEC ALL ONES
21	860	869	13	5	11				20%	
22	861	870	14						20%	
23	862	871	15						20%	
24	863	872	16						20%	STOPPING LINE 7 - REROUTING LINE NORTH ON GRAVEL ROAD

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 1-4 900 4-4 1100 1/2	TYPE GEOPHONE E+ELV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS Bms SAMPLE RATE 3/2 SEC. RECORD LENGTH	OBSERVER R. Patton, M. Richey	PARTY MGR L. Davis	LINE DIR. 1 TO 24 E → W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No Calif	STATE Calif	COUNTY Sierra	DATE 8-20-82
CREW NO. 6834	TERRAIN Rolling Hills, Gravel Road	WEATHER CLEAR	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F LOGUT	L T E R	REMARKS	
1 933	PULSE	1-6 SEC			MISSED SWEEPS	065	OUT	IN	Dog House set up between 815-816	
2 934	EINT	2- " "								
3 934/1022	D.P.D.	4- " "							NOTE: 10-32 hz sweep, 8 sweeps per station, 32 sec sweep, 41' move up, 50' spacing 1st VIB 44' behind flag	
4 934/1024	SUM TEST	2- " "								
5 934/1024	NES TEST	2- " "				48				
6 932	SIMILARITY	1-32 SEC		5					50%	
7 864	WINDSTRIP	1-48 SEC	5						66db	
8 865	816	748-812							70%	1 sweep NOTE: 4 STATION OFFSET INSTEAD OF 3 STR. OFFSET
9 866	816	748-812							70%	
10 867	817	748-814							70%	
11 868	818	748-815							70%	
12 869	819	748-816							70%	
13 870	820	748-817							70%	1 sweep
14 871	820	748-817				065			70%	EOT # 065 TAPE MKTS
15 872	821	748-818			WINDSTRIP	066			66db	BOT # 066 100 10 SEC ALL ONES
16 873	821	748-818							70%	
17 874	822	748-819							70%	
18 875	823	748-820							70%	
19 876	824	748-821							70%	1 sweep
20 877	824	748-821							70%	
21 878	825	748-822							70%	
22 879	826	748-823							70%	1 sweep
23 880	826	748-823							70%	
24 881	827	748-824							50%	
25 882	828	748-825							50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 hz	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 1-4500 4-4100	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate 48 sec RECORD LENGTH	OBSERVER R. Pitton, M. Rickey	PARTY MOR. L. Davis			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT CCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-20-82
CREW NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER CLEAR		LINE NO. 7

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	829	748-826	5	5	PAIRED CLUSTER		OUT	10	50%		
2	830	748-827				066				EOT *066 TAPE MKTS	
3	831	748-828	WIND STRIP			067			66db	ROT *067 9010 sec. All ONE	
4	831	748-828	5	5					50%		
5	832	748-829							50%	(Line changed due to Highway work.)	
6	833	748-830							50%	Pulling Spread Starting U.P. 816	
7	834	748-831							50%	With Spread from 748-812 Adding Station	
8	835	748-832							50%	as vibrated. CDP will not be moved	
9	836	748-833							50%	until full 96 Traces are on ground.	
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 MOR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No. Calif.	STATE CALIF	COUNTY SIERRA	DATE 8-23-82
CREW NO. 6834	TERRAIN Rolling Hills, General Road	WEATHER Clear		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	BO ~	AMP	
1 933	Pulse	1-6 sec				067	OUT	IN		Reorder between 815-816
2 934/935	Eint.	2- " "								NOTE: 10-32hz sweep, 8 sweeps per station, 32 sec sweep, 48 sec records 50' spacing, 1st vibrator 44' behind 5th, 41' max up
3 934/939	NRD	4- " "								
4 933/934	SIM TEST	2- " "								
5 930/941	NRS TEST	2- " "								
6 932	SIMILARITY	1-32 sec								
7 892	WINDSTRIP	1-48 sec	5						6.0db	NOTE: STATION 844 will be dead due to road.
8 893	837	748-834		5					50%	
9 894	838	748-835							50%	
10 895	839	748-836				067			50%	EOT # 067 TAPE MKTS
11 896	840	748-837	WINDSTRIP			068			4.0db	BOT # 068 9010 SEE ALL DATES
12 897	840	748-837		5					50%	
13 898	841	748-838							50%	NOTE: MEN WORKING AROUND STATION 758
14 899	842	748-839							50%	
15 001	843	748-840							60%	File number back to 001 900's reserved for testing
16 002	844	748-841							50%	
17 003	845	748-842							50%	
18 004	846	748-843							50%	
19 005	847	749-844	6						50%	
20 006	848	750-845	7						50%	
21 007	849	751-846	8						50%	
22 008	850	752-847	9						50%	
23 009	851	753-848	10			068			50%	EOT # 068 TAPE MKTS
24 010	852	754-849	11	WINDSTRIP		069			6.0db	BOT # 069 900 10 sec ALL DATES
25 011	852	754-849	11						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32hz	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 1-4900 4-4100s	TYPE GEOPHONE ETL E422B	FREQUENCY 7.5hz	STATION INTERVAL 330'
REMARKS 8ms sample rate, 48 sec record			OBSERVER R. PATTON, M. Richey	PARTY MOR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT CO:DRP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-23-82
CREW NO. 6834	TERRAIN ROLLING HILLS GRAVEL ROAD	WEATHER CLEAR		LINE NO. 7

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	012	853	755-850	12	5	069	OUT	1W	50%	VIBS MOVING IN AND OUT OF DEEP SLOPE TALL TREES +
2	013	854	756-851	13					50%	curving road
3	014	855	757-852	14					50%	
4	015	856	758-853	15					50%	
5	016	857	759-854	16					50%	
6	017	858	760-855	17					50%	
7	018	859	761-856	18					50%	
8	019	860	762-857	19					50%	
9	020	861	763-858	20		069			50%	EOT 069 TAPE METS RELIEVED BURST ON LAST SWEEP
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS	OBSERVER	PARTY MOR.	LINE DIR. 1 TO 24		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF.	COUNTY SIERRA	DATE 8-24-82
CREW NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE				070	CUT	IN		ROT # 070 *900 10 sec All ones.
2	931/935	EINT								
3	932/939	DRD								
4	933/939	SUM TEST								
5	80/961	NRS TEST								
6	932	SIMILARITY	217						50%	
7	021	WINDSTRIP	3						66db	RECORDED BETWEEN 833 AND 834
8	022	862	3						50%	
9	023	863	4						50%	NOTE: STA 874 OPEN DUE TO ROAD
10	024	864	5						50%	
11	025	865	6						50%	
12	026	866	7						50%	CURVED ROAD, TALL TREES
13	027	867	8						50%	
14	028	868	9						50%	
15	029	869	10						50%	
16	030	870	11						50%	
17	031	871	12			070			50%	EOT # 070 TAPE MKTS
18	032	872	13	WIND STRIP		071			66db	ROT # 071 900 10 sec All ones
19	033	872	13						50%	
20	034	873	14						50%	
21	035	874	15						50%	
22	036	875	16						50%	
23	037	876	17						50%	
24	038	877	18						50%	
25	039	878	19						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz		SWEEP PATTERN SEE REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X 		FREQUENCY 7.5 Hz	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 1-4 900	TYPE GEOPHONE ETR EV22 B	STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS 8MS SAMPLE RATE. 4B sec record			OBSERVER R. PATTAN, M. RILEY		PARTY MGR. L. DAVIS

GEO-252-C

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-24-82
CREW NO. 6834	TERRAIN ROLLING HILLS + GRAVEL ROAD	WEATHER CLEAR	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOG CUT	80 ~	AMP	
1	040	879	781-876	20	5	MISSING SWEEP	071	OUT	IN	50%
2	041	880	782-877	21						50%
3	042	881	783-878	22						50%
4	043	882	784-879	23						50%
5	044	883	785-880	24		071				50%
6	045	884	786-881	25	LONGER SWEEP	072				64%
7	046	884	786-881	25	5					50%
8	047	885	787-882	26						50%
9	048	886	788-883	27						50%
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP		AREA NO. CALIF			STATE CALIF	COUNTY SIERRA	DATE 8-25-82
CREW NO. 6834		TERRAIN ROLLING HILLS, GRAVEL ROAD			WEATHER CLEAR		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	OO ~	AMP	
1	933	PULSE								
2	934/935	EINT				072	OUT	1W		NOTE: RECORDER BETWEEN 860 AND 861
3	936/939	DRO								
4	937/938	SUM TEST								NOTE: 10-32 Hz 32 sec sweep, 8 sweeps per station
5	940/941	NRS TEST								VIBRATORS: 60' spacing, 41' move-up 1st vibrator 44' behind flag
6	932	SIMILARITY	217	5						
7	049	WOODSTRIP	1						66db	NOTE: STATION 844 DEAD NO TO INTERSECTION
8	050	887	789-884	1	5				50%	
9	051	888	790-885	2					50%	
10	052	889	791-886	3					50%	
11	053	890	792-887	4					50%	
12	054	891	793-888	5	II				20%	
13	SKIP	892	794-889	6					20%	on 1st k of stations, operating mine near line
14	SKIP	893	795-890	7					SKIP	SKIP - operating mine
15	055	894	796-891	8		072			20%	" " " "
16	056	895	797-892	9	WINDOW	073			66db	on last 1/2 of stations, EOT 072 TAPE MKTS
17	057	895	797-892	9					50%	ROT #073 900 10 SEC all ones
18	058	896	798-893	10					50%	
19	059	897	799-894	11					50%	
20	060	898	800-895	12					50%	
21	061	899	801-896	13					50%	
22	062	900	802-897	14					50%	
23	063	901	803-898	15					50%	
24	064	902	804-899	16					50%	
25	065	903	805-900	17					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz		SWEEP PATTERN SEE REMARKS		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 1-4 900 4-4 1100	
REMARKS 8ms sample rate, 48 sec Record		TYPE GEOPHONE ETL-EV220		FREQUENCY 7.5 Hz	
OBSERVER R. Patton, M. Richey		PARTY MOR. L. Davis		STATION INTERVAL 330	
				LINE DIR. 1 TO 24 E → W	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-25-82
CREW NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER CLEAR	LINE NO. 7	

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	066	806-901	18	5	MISSED RUMBLE	073	CUT	10	50%	
2	067	807-902	19						50%	
3	068	808-903	20			073			50%	EOT #073 TAPE MKD
4	069	809-904	21		WIND STRIP	074			66.6%	BOT #074 900 10 SEC ALL ONES
5	070	809-904	21	5					50%	
6	071	810-905	22						50%	
7	072	811-906	23						50%	
8	073	812-907	24						50%	
9	074	813-908	25						50%	
10	075	814-909	26						50%	
11	076	815-910	27						50%	
12	077	816-911	28						50%	
13	078	817-912	29						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	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.

CLIENT COCORP	AREA NO CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-26-82
CREW NO. 6834	TERRAIN Rolling Hills, Gravel Road	WEATHER CLEAR	LINE NO. 7	

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				074	CUT	1W		Recorder between 884 and 885
2	934 EINT	2- " "								
3	939 ORD	4- " "								
4	944 SUM TEST	2- " "								NOTE: 10-32hz, 3.25 sec sweep, 8 sweeps per station
5	964 NRS TEST	2- " "								VIBRATORS: 50' spacing, 41' move-up, 1st vibrator 44' behind flag.
6	932 SIMILARITY	1-32 sec	217	5		074				E.O.T*074, TAPE MKTS.
7	079 WINDSTRIP	1-48 sec	6			075			66db	NOTE: STATIONS BVA dead; AT intersection
8	080 916	818-913	6	5					50%	B.O.T*075, 900 10sec ALL ONE. ON WINDSTRIP.
9	081 917	819-914	7						50%	
10	082 918	820-915	8						50%	
11	083 919	821-916	9						50%	NOTE: VIBRATORS GOING IN ARE OUT OF GRAB SPOTS
12	084 920	822-917	10						50%	
13	085 921	823-918	11						50%	
14	086 922	824-919	12						50%	
15	087 923	825-920	13		1				50%	
16	088 924	826-921	14		11				50%	
17	089 925	827-922	15						50%	
18	090 926	828-923	16						50%	
19	091 927	829-924	17			075			50%	E.O.T*075, TAPE MKTS
20	092 928	830-925	18			076			66db	B.O.T*076, 900 10sec ALL ONES.
21	093 928	830-925	18						50%	
22	094 927	831-926	19						50%	
23	095 930	832-927	20						50%	
24	096 931	833-928	21						50%	
25	097 932	834-929	22						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz	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 1-4900 4 41100LS	TYPE GEOPHONE ETL EV220	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS Bms sample rate, 48 sec record	OBSERVER R. Patton, M. Richey	PARTY MOR. L. DAVIS		LINE DIR. 1 TO 24 E → W	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT CCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-26-82
CREW NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER CLEAR		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOG CUT	80 ~	AMP		
1	098	933	835-930	23	5	High Gain	076	OUT	IN	50%	
2	099	934	836-931	24		III				50%	
3	100	935	837-932	25		III				50%	
4	101	936	838-933	26		II				50%	
5	102	937	839-934	27						50%	
6	103	938	840-935	28		I				50%	
7	104	939	841-936	29						50%	
8	105	940	842-937	30			076			50%	EOT # 076 TAPE MKTS
9	106	941	843-938	31		WINDSTRIP	077			Head	BOT # 077 900 10 sec ALL ORES
10	107	941	843-938	31						50%	
11	108	942	844-939	32						50%	
12	109	943	845-940	33		III				50%	
13	110	944	846-941	34		I				50%	
14	111	945	847-942	35						50%	
15	112	946	848-943	36		II				50%	
16	113	947	849-944	37		I				50%	
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-27-82
LINE NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER Partly Cloudy		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
933	Pulse	1-6 sec			MISSING SWEEP	077	OUT	IN		REORDER BETWEEN 921 AND 922
934/935	GINT	2-0 "								NOTE: 10-32 Hz, 32 sec sweep @ 3 sweeps per station
936/937	PRO	4-0 "								Vibrators: 35cm, 50', 41' move-up, 1st vib 44' behind
938/939	SUM TEST	2-0 "								Slag
940/941	NKS TEST	2-0 "								
932	Similarity	1-32 sec		5						
114	Windstrip	1-48 sec	1						66db	
115	948	850-945	1	5					50%	
116	949	851-946	2			077			50%	EOT *077 TAPE MKTS
117	950	852-947	3	Windstrip		078			66db	BOT *078 900 10 sec ALL ONES
118	950	852-947	3						50%	
119	951	853-948	4						50%	
120	952	854-949	5						50%	
121	953	855-950	6						50%	
122	954	856-951	7						50%	
123	955	857-952	8						50%	
124	956	858-953	9						50%	
125	957	859-954	10						50%	
126	958	860-955	11						50%	
127	959	861-956	12						50%	
128	960	862-957	13	1					50%	
129	961	863-958	14			078			50%	EOT *078 TAPE MKTS
130	962	864-959	15	Windstrip		079			66db	BOT *079 *900 10 sec ALL ONES.
131	962	864-959	15						50%	
132	963	865-960	16						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz		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 LY 900 4-4 100's	TYPE GEOPHONE ETL EV22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample rate, 48 sec record			OBSERVER R. Patton, M. Rieley	PARTY MOR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT Cocopp	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-27-82
CREW NO. 6834	TERRAIN Rolling Hills Gravel Road	WEATHER Partly Cloudy	LINE NO. 7	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	964	866-961	17	5		079	OUT	IN	502	
2	965	867-962	18						502	
3	966	868-963	19						502	
4	967	869-964	20						502	Got A Blast ON The 6th Sweep on this. V.P.
5	968	870-965	21						502	
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
REMARKS	OBSERVER	PARTY MGR.			

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 8-30-82
CREW NO. 6834	TERRAIN ROLLING HILLS, GRAVEL ROAD	WEATHER Clear		LINE NO. 7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE				079	OUT	IN		Recorder SET AT 942-943
2	934/935	EINT								
3	936/937	ORD								5 Vib -44' Behind Flag. 8 sweep
4	937/938	SUM TEST								50' SPACING, 4 1/4 more UP
5	939/940	NRT TEST								
6	932	Similarity	217	5						50%
7	138	Wind strip	1							66Db
8	139	969	871-966	1	5					50%
9	140	970	872-967	2		079				E.O.T # 079, TAPE MKTS
10	141	971	873-968	3	wind strip	080				66Db B.O.T # 080, 900 10sec ALL ONES.
11	142	971	873-968	3						50%
12	143	972	874-969	4						50%
13	144	973	875-970	5						50%
14	145	974	876-971	6						50%
15	146	975	877-972	7						50%
16	147	976	878-973	8						50%
17	148	977	879-974	9	1					50%
18	149	978	880-975	10						50%
19	150	979	881-976	11						50%
20	151	980	882-977	12	11					50%
21	152	981	883-978	13						50%
22	153	982	884-979	14	1	080				50% EOT # 080 TAPE MKTS
23	154	983	885-980	15	wind strip	081				66Db BOT # 081 * 900 10 sec ALL ONES
24	155	983	885-980	15						50%
25	156	984	886-981	16	1					50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-732hz / 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 4-1100' / 1-1900	TYPE GEOPHONE E7LEU228	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48 sec Record Length			OBSERVER R. Patten M. Pichey	PARTY MOR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. Calif	STATE Calif	COUNTY SIERRA	DATE 8-30-82
CREW NO. 6834	TERRAIN Dirt Road, Rolling Hills	WEATHER Clear	LINE NO. 7	

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	157	985	887-982	17	5		081	OUT	IN	50%	
2	158	986	888-983	18						50%	
3	159	987	889-984	19						50%	
4	160	988	890-985	20						50%	
5	161	989	891-986	21	1					50%	
6	162	990	892-987	22						50%	
7	163	991	893-988	23	1					50%	
8	164	992	894-989	24						50%	
9	165	993	895-990	25	11					50%	
10	166	994	896-991	26		081				50%	F.O.T#081 TAPES MKTS
11	167	995	897-992	27	wind strip	082				66%	B.O.T#082, 900 10sec ALL ONES.
12	168	995	897-992	27						50%	
13	169	996	898-993	28						50%	
14	170	997	899-994	29	1					50%	
15	171	998	900-995	30	1					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.	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF.	STATE CALIF	COUNTY SIERRA	DATE 8-31-82
CREW NO. 6834	TERRAIN Dirt Road + Black top	WEATHER clear	LINE NO. #7	

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	1016	918-1013	18		wind strip	084	OUT	IN	66%	B.O. + *084, 900 10sec All ONES.
2	1016	918-1013	18						50%	Vibs went to HI-DRIVE.
3	1017	919-1014	19						50%	
4	1018	920-1015	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
REMARKS	OBSERVER	PARTY MOR.	LINE DIR. 1 TO 24		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF, SIERRA	STATE CALIF	COUNTY SIERRA	DATE 9-1-82
CREW NO. 6834	TERRAIN Dirt Road & Blacktop	WEATHER Clear	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec				084	OUT	IN		Recorder set at 992-993
2	935 EINT	2- " "								
3	936 D.R.D	4- " "								5 Vibs 4/4 move up, 8 sweep
4	937 SUM test	2- " "								50' spacing 1st Vib -44' Behind Flag.
5	941 N.R.S. test	2- " "								
6	932 SIMILARITY	1-32sec	717	5						50%
7	195 WINDSTRIP	1-48sec	1							66DB
8	196 1019	921-1016	1	5						50%
9	197 1020	922-1017	2							50%
10	198 1021	923-1018	3							50%
11	199 1022	924-1019	4							50%
12	200 1023	925-1020	5							50%
13	201 1024	926-1021	6			084				50% E.O.T #084, TAPE MKTS
14	202 1025	927-1022	7		wind strip	085				66DB B.O.T #085, 900 10sec MILL ONES
15	203 1025	927-1022	7							50%
16	204 1026	928-1023	8							50%
17	SKIP 1027	929-1024	9		1					SKIP Due to HOUSES.
18	SKIP 1028	930-1025	10							SKIP " " "
19	205 1029	931-1026	11							50%
20	206 1030	932-1027	12							50%
21	207 1031	933-1028	13	4						50% Vib #23652 Down, Hydraulic Problem.
22	208 1032	934-1029	14	5	1					50% Vib #23652 BACK IN.
23	209 1033	935-1030	15		1					50%
24	210 1034	936-1031	16							50%
25	211 1035	937-1032	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 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 4-41100's 1-V900	TYPE GEOPHONE E TELV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48 sec Record Length			OBSERVER R. PATTON, M. Rich-er	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 9-1-82
CREW NO. 6834	TERRAIN BLACK TOP + DIRT ROAD	WEATHER Clear	LINE NO. # 7	

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	212	1036	938-1033	18	5	085	OUT	IN	50%	
2	213	1037	939-1034	19					50%	
3	214	1038	940-1035	20					50%	
4	215	1039	941-1036	21	1	085			50%	E.O.T*085, TAPE MKTS
5	216	1040	942-1037	22	WIND SKIP	086			66%	B.O.+*086, 900 10sec ANCHES.
6	217	1040	942-1037	22					50%	
7	218	1041	943-1038	23					50%	
8	219	1042	944-1039	24					50%	
9	220	1043	945-1040	25					50%	
10	221	1044	946-1041	26					50%	
11	222	1045	947-1042	27	1				50%	
12	223	1046	948-1043	28					50%	
13	224	1047	949-1044	29					50%	
14	225	1048	950-1045	30					50%	
15	SKIP	1049	951-1046	31					SKIP	Due to HOUSES
16	SKIP	1050	952-1047	32					SKIP	" " "
17	SKIP	1051	953-1048	33					SKIP	" " "
18	226	1052	954-1049	34					50%	STACKED LAST HALF.
19	227	1053	955-1050	35					50%	
20	228	1054	956-1051	36		086			50%	E.O.T*086, TAPE MKTS.
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.

CLIENT		AREA		STATE		COUNTY		DATE			
COCORP		NO. CALIF.		NO. CALIF.		SIERRA		9-2-82			
CREW NO.		TERRAIN		WEATHER		LINE NO.					
6834		Dist Road		Clear		#7					
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	1-6sec			MUSE'S SWEEP	087	OUT	IN	Recorder set at 1021-1022		
2	934 FINT	2-11 "							B.O.T #087, 900 10sec ALL ONES.		
3	935 D.R.D	4-11 "							5 Vib, 41/4 move UP. 8 SWEEP.		
4	936 SURVEY	2-11 "							1st Vib -44' Behind Flag - 50' spacing.		
5	937 N.R.J. test	2-11 "									
6	932 SIMILARITY	1-32sec	217	5					50%		
7	229 WINDSTIP	1-48sec	8						66%		
8	230 1055	957-1052	8	5					20% STACKED 1st HALF.		
9	SKIP 1056	958-1053	9						SKIP Due to HOUSE		
10	SKIP 1057	959-1054	10						SKIP Due to "		
11	231 1058	960-1055	11						50%		
12	232 1059	961-1056	12						50%		
13	233 1060	962-1059	13		"				50%		
14	234 1061	963-1058	14		1				50%		
15	235 1062	964-1059	15		1				50%		
16	236 1063	965-1060	16		III				50%		
17	237 1064	966-1061	17						50%		
18	238 1065	967-1062	18		1				50%		
19	239 1066	968-1063	19		1	087			50% F.O.T #087, TAPE MKTS		
20	240 1067	969-1064	20	wind	skip	088			66% B.O.T #088, 900 10sec, ALL ONES.		
21	241 1067	969-1064	20		1				50%		
22	242 1068	970-1065	21		"				50% NOTE: STA #1072 OPEN Due to HI-WAY.		
23	SKIP 1069	971-1066	22						SKIP From STA #1069 - 1082, Due to TOWN		
24	243 1083	985-1080	10	4					20% Recorder moved UP at 1047-1048.		
25	244 1084	986-1081	11						20% Vib #23651 DOWN, WANT PRESURE UP.		
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			
10-32.42/32sec		See REMARKS		8		1		X			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
24		96		4-V11004 1-V900		E TELU 22R		7.5HZ		330'	
REMARKS		OBSERVER		PARTY MOR.							
8ms SAMPLE RATE/48sec Record Length		R. PATTON, M. RICHG		L. DAVIS							

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 9-2-82
CREW NO. 6834	TERRAIN BLACKTOP + ROLLING HILLS	WEATHER clear	LINE NO. #7	

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	245 1085	987-1082	12	4	3155	088	OUT	IN	20%	4 Vibs 50' spacing 414 MOVE UP.
2	246 1086	988-1083	13						20%	1st Vib -69' Behind Flag. 8 sweep.
3	SKIP 1087	989-1084	14						SKIP	Due to House.
4	247 1088	990-1085	15						20%	
5	248 1089	991-1086	16						20%	
6	249 1090	992-1087	17						20%	
7	250 1091	993-1088	18	4		088			20%	E.O. + *088, TAPE MKTS.
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.	LINE DIR. 1 TO 24

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 9-3-82
CREW NO. 6834	TERRAIN Dirt Road + BLACK TOP	WEATHER clear	LINE NO. #17	

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	1-6sec				089	OUT	IN		Recorder SET AT 1065-1066
2	934 EINT	2- " "								B.O. T#089, 900 10sec, ALL ONES.
3	935 D.R.D	4- " "								5 Vibs, 50' SPACING 4 1/4 MOVE UP.
4	936 SUM test	2- " "								1st Vib -44' Behind FLAG. 8 SWEEP.
5	937 N.R.J test	2- " "								4 Vibs 30' SPACING, 4 1/4 MOVE UP.
6	938 Similarity	1-32sec	217	4					50%	1st Vib -64' Behind FLAG. 8 SWEEP.
7	251 Windstrip	1-48sec	1						66db	Vib #23651 Down, Pump OUT, ON BACK motor.
8	252 1092	994-1089	1	4					20%	STA #1072 OPEN, Due to HI-WAY.
9	253 1093	995-1090	2						20%	
10	254 1094	996-1091	3						50%	Vibs ON Dirt Road
11	255 1095	997-1092	4						50%	
12	256 1096	998-1093	5						50%	
13	257 1097	999-1094	6						50%	
14	258 1098	1000-1095	7						50%	
15	259 1099	1001-1096	8						50%	
16	260 1100	1002-1097	9						50%	
17	261 1101	1003-1098	10		1	089			50%	E.O. T#089, TAPE MARKS
18	262 1102	1004-1099	11		Wind strip	090			66db	B.O. T#090, 900 10sec, ALL ONES.
19	263 1102	1004-1099	11						50%	
20	264 1103	1005-1100	12		1				50%	
21	265 1104	1006-1101	13						50%	
22	266 1105	1007-1102	14						50%	
23	267 1106	1008-1103	15						50%	
24	268 1107	1009-1104	16						50%	
25	269 1108	1010-1105	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 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 4-Y1100's 1-Y900	TYPE GEOPHONE ETE LV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER B. PATON, M. RICHEY	PARTY MOR. L. DAVIS	LINE DIR. 1 TO 24 E → W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 9-3-82
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER clear	LINE NO. #7	

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	1109	1011-1106	18	4	<i>missed sweep</i>	090	OUT	IN	50%	
2	1110	1012-1107	19						50%	
3	SKIP	1013-1108	20						SKIP	Due to town, from 1111-1121 SKIP.
4										
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
REMARKS	OBSERVER		PARTY MGR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY SIERRA	DATE 9-7-82
CREW NO. 6834	TERRAIN BLACK TOP + DIRT ROAD	WEATHER clear	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	GO ~	AMP	
1 933	PULSE	1-6sec				090	OUT	IN		Recorder SET AT 1091-1092
2 934	EINT	2- " "								STA# 1072 OPEN, DUE TO HI-WAY.
3 935	D.R.D	4- " "								5 Vibs 50' spacing 4 1/4 MOVES UP
4 936	SUMTEST	2- " "								1st Vib -44' Behind FLAG. 8 SWEEP.
5 937	N.R.S test	2- " "								4 Vibs 50' spacing 4 1/4 MOVES UP.
6 932	Similarity	1-32sec	217	4		090			50%	1st Vib -69' Behind FLAG. 8 SWEEP. E.O.T #092, 20%
7 272	WINDSTRIP	1-48sec	5			091			160db	B.O.T #091, 900 10sec ALL ONES
8 SKIP	1122	1024-1119	5	4					SKIP	DUE TO HOUSES, Vib #23651 DOWN, PUMP OUT.
9 273	1123	1025-1120	6						20%	STA# 1048-1049 NOISE, COWS AROUND AREA.
10 274	1124	1026-1121	7						20%	
11 275	1125	1027-1122	8						20%	
12 276	1126	1028-1123	9		1				20%	
13 277	1127	1029-1124	10						20%	STACKED 1st HALF.
14 SKIP	1128	1030-1125	11						SKIP	DUE TO HOUSES
15 SKIP	1129	1031-1126	12						SKIP	" " "
16 SKIP	1130	1032-1127	13						SKIP	" " "
17 278	1131	1033-1128	14		1				20%	STACKED LAST HALF
18 279	1132	1034-1129	15						20%	
19 280	1133	1035-1130	16						20%	
20 281	1134	1036-1131	17						20%	
21 282	1135	1037-1132	18						20%	
22 283	1136	1038-1133	19						20%	
23 284	1137	1039-1134	20			091			20%	E.O.T #091, TAPE MKTS.
24 285	1138	1040-1135	21		WINDSTRIP	092			160db	B.O.T #092, 900 10sec ALL ONES
25 286	1138	1040-1135	21						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-y1100 1-1100	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length				OBSERVER B. PATTON, M. Richey	PARTY MOR. L. DAVIS

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY SIERRA	DATE 9-7-82
CREW NO. 6834	TERRAIN BLACK TOP.	WEATHER Clear	LINE NO. 27	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	GO ~	AMP	
1	287	1139	1041-1136	22	4	092	007	1W	20%	
2	288	1140	1042-1137	23					20%	
3	289	1141	1043-1138	24					20%	
4	290	1142	1044-1139	25					20%	
5	291	1143	1045-1140	26					20%	
6	292	1144	1046-1141	27					20%	
7	293	1145	1047-1142	28					20%	
8	294	1146	1048-1143	29					20%	
9	295	1147	1049-1144	30					20%	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc

CLIENT COCORP	AREA NO. CALIFORNIA	STATE CALIF	COUNTY YUBA	DATE 9-8-82
CREW NO. 6834	TERRAIN BLACK TOP + Rolling Hills	WEATHER clear	LINE NO. 47	

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	932 PULLCE	1-6sec			10-55	092	OUT	IN		Recorder set at 1122-1123
2	932 FINT	2-11"								A LOT OF TRAFFIC ALONG FRONT OF LINE.
3	932 D.R.O	4-11"								5 Vibs, 50' spacing, 4 1/4 move up.
4	932 SUMTEST	2-11"								1st Vib - 44' Behind FLAG, 8 sweep
5	932 M.R. TEST	2-11"								4 Vibs 50' spacing, 4 1/4 move up.
6	932 SIMILARITY	1-32sec	217	4		092			50%	1st Vib - 69' Behind FLAG, 8 sweep, E.O. + "092" T.M.
7	296 WINDSTOP	1-48sec	240			093			60%	B.O.T #093, 900 10sec All axes.
8	297 1148	1050-1145	240	4					20%	Vib # 23651 DOWN, putting PUMP ON.
9	298 1149	1051-1146	1						20%	STA #1022 OPEN, side to H-WAY
10	299 1150	1052-1147	2						20%	
11	300 1151	1053-1148	3	5					20%	Vib # 23651, BACK ON LINE.
12	301 1152	1054-1149	4						20%	
13	302 1153	1055-1150	5						20%	
14	303 1154	1056-1151	6						20%	
15	304 1155	1057-1152	7						20%	
16	305 1156	1058-1153	8		1				20%	
17	306 1157	1059-1154	9		1				20%	
18	307 1158	1060-1155	10						20%	
19	SKIP 1159	1061-1156	11						SKIP	Due to house.
20	308 1160	1062-1157	12			093			20%	E.O.T # 093 Tape MKTS
21	309 1161	1063-1158	13			094			60%	BOT # 094 = 900 10sec All axes
22	310 1161	1063-1158	13		1				20%	
23	311 1162	1064-1159	14						20%	
24	312 1163	1065-1160	15						20%	
25	313 1164	1066-1161	16						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		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 4-V1100's 1-V900	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5Hz	LINE DIR. 1 TO 24 E-W
REMARKS 8ms sample RATE / 48sec Record length			OBSERVER M. PATTON, M. Richey	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA No. Calif	STATE Calif	COUNTY YUBA	DATE 9-8-82
CREW NO. 6834	TERRAIN Black top + Rolling Hills	WEATHER Clear	LINE NO. 7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	MISSING SENSORS	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	GO ~	AMP	
1	314	1165	1067-1162	17	5	094	OUT	IN	20%	
2	315	1166	1068-1163	18					20%	
3	316	1167	1069-1164	19					20%	
4	317	1168	1070-1165	20					20%	
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
REMARKS	OBSERVER		PARTY MOR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

299
317
1218

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-9-82
CREW NO. 6834	TERRAIN Dirt Road + Black Top	WEATHER Clear	LINE NO. 27	

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			M. 2361 SWEEP	094	OUT	IN		Recorder SET At 1139-1140
2	934	EINT								STA # 1072 open due to Hwy.
3	935	D.R.D								5 Vibs 50' spacing 41V move UP.
4	936	SUM test								1st Vibs -44' Behind Flag. 8 sweep.
5	937	N.R. Test								4 Vibs 50' spacing, 41V move UP.
6	932	Similarity	217	4					50%	1st Vib -69' Behind Flag. 8 sweep.
7	318	Windstrip	4			094			66%	E.O.T# 094, TAPE MARKS
8	319	1169	4	4	WIND strip	095			66%	B.O.T# 095, 900/10sec #11 ONES.
9	320	1169	4	4					20%	Vib # 23651 Down won't Pressure UP.
10	321	1170	5						20%	LOT OF Traffic Along Line.
11	322	1171	6						20%	
12	323	1172	7						20%	
13	324	1173	8						20%	
14	325	1174	9						20%	
15	326	1175	10						20%	
16	327	1176	11						20%	
17	328	1177	12						20%	
18	SKIP	1178	13						SKIP	Due to HOUSES
19	SKIP	1179	14						SKIP	" " "
20	SKIP	1180	15						SKIP	" " "
21	SKIP	1181	16						SKIP	" " "
22	SKIP	1182	17						SKIP	" " "
23	SKIP	1183	18						SKIP	" " "
24	SKIP	1184	19						SKIP	" " "
25	SKIP	1185	20						SKIP	" " "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-Y8100 1-Y800	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48 sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MGR. K. DAVIS	LINE DIR. 1 TO 24 E-W		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-9-82
CREW NO. 6834	TERRAIN BLACK TOP & ROLLING HILLS	WEATHER Clear	LINE NO. #7	

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 1186	1088-1183	21	4	MISSING SWEEP	095	CUT	IN	SKIP	Due to Houses
2	SKIP 1187	1089-1184	22						SKIP	" " "
3	329 1188	1090-1185	23						20%	STACKED LAST HALF.
4	330 1189	1091-1186	24						20%	
5	331 1190	1092-1187	25			095			20%	E.O.T*095, TAPE MKTS
6	332 1191	1093-1188	26			096			66%	B.O.T*096, 900 msec ALLOWES.
7	333 1191	1093-1188	26	1					20%	
8	334 1192	1094-1189	27						20%	
9	335 1193	1095-1190	28						20%	
10	336 1194	1096-1191	29						20%	
11	SKIP 1195	1097-1192	30						SKIP	Due to HOUSE.
12	337 1196	1098-1193	31	1					20%	STACKED LAST HALF.
13	338 1197	1099-1194	32						20%	
14	339 1198	1100-1195	33	1					20%	
15	340 1199	1101-1196	34	1					20%	
16	341 1200	1102-1197	35						20%	
17	342 1201	1103-1198	36	1					20%	
18	343 1202	1104-1199	37						20%	
19	344 1203	1105-1200	38						20%	
20	345 1204	1106-1201	39			096			20%	E.O.T*096, TAPE MKTS.
21									SKIP	From STA 1205 to 1215, SKIP Due to Dam.
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.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YULBA	DATE 9-10-82
CREW NO. 6834	TERRAIN BLACK TOP & Dirt Road	WEATHER clear	LINE NO. 127	

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	1-6sec								Recorder SEP AT 1182-1183
2	935 FINT	2- " "								B.G. T#097, 900 10sec ALL ONES
3	936 D.R.D	4- " "								5 Vibs 50' spacing 4 1/4 move UP.
4	934 SUMTEST	2- " "								1st Vib -44' Behind FLAG. 8 sweep
6	934 N.R.J. test	2- " "								4 Vibs 50' spacing, 4 1/4 MOVE UP.
8	932 SIMILARITY	1-32sec	217	4						50% 1st Vib -69' Behind FLAG. 8 sweep
7	346 WIND STRIP	1-48sec	8							66% Vib #23651 DOWN. PUMP trouble.
8	347 1216	1118-1213	8	4						20% STA #1206-1214 OPEN Due to DAM.
9	348 1217	1119-1214	9							20% STA #1221-OPEN Due to Huge ROCK.
10	349 1218	1120-1215	10							20% STACKED LAST HALF
11	350 1219	1121-1216	11							20%
12	SKIP 1220	1122-1217	12							SKIP Due to Road condition. From STA#1220-1231
13	351 1232	1134-1229	24							20%
14	352 1233	1135-1230	25							20%
15	353 1234	1136-1231	26							20%
16	354 1235	1137-1232	27							20%
17	355 1236	1138-1233	28		1					20%
18	356 1237	1139-1234	29		1	097				20% STACKED 1st HALF. E.O. T#097, TAPE MKTS.
19	SKIP 1238	1140-1235	30							SKIP Due to Huge ROCKS.
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 22sec		SWEEP PATTERN See REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN &		TOTAL FIELD TIME	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100', 1-Y900	TYPE GEOPHONE ETELV22D	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length			OBSERVER R. PATTON, M. RICHEY	PARTY MOR. L. DAVIS	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CAIF	STATE CAIF	COUNTY YULBA	DATE 9-13-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER clear	LINE NO. #7	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE				098	OUT	IN		Recorder set at 1205-1206
2	934	FINT								B.O. + #098, 900 10sec ALLOWES
3	935	D.R.D								5 Vibs 50' spacing 4th MOVE UP.
4	936	SILT test								1st Vib - 44' Behind Fing. 8 SWEEP.
5	937	NRJ test								From STA #1206-1214 OPEN, Due to DAM
6	932	SIMILARITY	217	4					50%	STA #1221 OPEN to HUGE ROCK
7	357	WINDSTRIP	8						66%	Vib #23651 Down, Pump trouble.
8	358	1239	8	4					20%	
9	359	1240	9						20%	
10	360	1241	10						20%	
11	SKIP	1242	11						SKIP	Due to Road condition.
12	SKIP	1243	12						SKIP	" " " "
13	361	1244	13						20%	
14	SKIP	1245	14						SKIP	Due to Road condition.
15	SKIP	1246	15						SKIP	" " " "
16	362	1247	16						20%	
17	363	1248	17						20%	
18	364	1249	18						20%	
19	365	1250	19						20%	
20	366	1251	20						20%	
21	367	1252	21			098			20%	E.O. + #098 TAPE MARKS
22	368	1253	22		wind strip	099			66%	B.O. + #099, 900 10sec ALLOWES
23	369	1253	22						20%	
24	370	1254	23						20%	
25	371	1255	24						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 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 4-Y1100's 1-Y900	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5Hz	STATION INTERVAL 3.30'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER M. Richey		PARTY MOR. L. DAVIS		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-13-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER clear	LINE NO. 47	

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	372	1256	1158-1253	25	4	missed sweep	099	CUT	IN	20%
2	373	1257	1159-1254	26						20%
3	374	1258	1160-1255	27						20%
4	375	1259	1161-1256	28						20%
5	376	1260	1162-1257	29						20%
6	377	1261	1163-1258	30						20%
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.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-14-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER Clear	LINE NO. 27	

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	
1 ¹³⁴ 933	PULSE	1-6sec					099	OLT	IN	Recorder SET AT 1235-1236
2 ¹³⁵ 934	EINT	2- " "								
3 ¹³⁶ 935	D.R.D	4- " "								5 Vibs 50' spacing 4 1/4 MOVE UP.
4 ¹⁵³ 936	SUM test	2- " "								1st Vib -44' Behind FLAG. 8 SWEEP.
5 ¹⁶¹ 937	N.R. J. test	2- " "								4 Vibs 50' spacing 4 1/4 MOVE UP.
6 932	Similarity	1-32sec	217	5		099				1st Vib -69' Behind FLAG. 8 SWEEP. E.O.T #099, TAPE MKTS.
7 378	WINDSTRIP	1-48sec	1			100				66% From STA #1206-1214 OPEN, Due to DAM, B.O.T. KO.
8 379	1262	1164-1259	1	5						20% STA #1221 OPEN Due to HUGE ROCK.
9 380	1263	1165-1260	2							20%
10 381	1264	1166-1261	3							20%
11 382	1265	1167-1262	4							20%
12 383	1266	1168-1263	5							20%
13 384	1267	1169-1264	6							20%
14 385	1268	1170-1265	7							20%
15 386	1269	1171-1266	8							20%
16 387	1270	1172-1267	9							20%
17 388	1271	1173-1268	10							20%
18 389	1272	1174-1269	11							20%
19 390	1273	1175-1270	12	4	2	100				20% Vib #23651 DOWN, PUMP troubles. E.O.T #100, TAPE MKTS.
20 391	1274	1176-1271	13			101				66% B.O.T #101, 900 JOSES, ALL ONES.
21 392	1274	1176-1271	13	5	1					20% Vib #23651, BACK ON LINE.
22 393	1275	1177-1272	14		2					20%
23 394	1276	1178-1273	15							20%
24 395	1277	1179-1274	16							20%
25 396	1278	1180-1275	17							20%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32HZ/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 4-VIBRO's 1-1900	TYPE GEOPHONE ETELN22R	FREQUENCY 7.5 HZ	STATION INTERVAL 330'
REMARKS 8ms Sample RATE/48sec Record Length	OBSERVER M. Riehey		PARTY MOR. L. DAVIS		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-14-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER Clear	LINE NO. # 7	

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	397	1279	1181-1276	18	5	MISSED SWEEP 101	OUT	IN	20%	
2	398	1280	1182-1277	19	2				20%	
3	399	1281	1183-1278	20	1				20%	
4	400	1282	1184-1279	21	1				20%	
5	401	1283	1185-1280	22	2				20%	NOTE: STA # 1280 OPEN DUE TO DRIVEWAY.
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
REMARKS	OBSERVER		PARTY MOR.		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YULBA	DATE 9-15-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER Partly cloudy		LINE NO. #7

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE				101	OUT	IN		Recorder SET AT 1252-1253
2	935	EINT								
3	937	D.R.D								3 Vib 50' spacing 4 1/4 move up
4	938	SUM test								1st Vib -44' Behind Flag. 8 sweep.
5	940	N.P.S test								From sta #1206-1214 OPEN, Due to DAM.
6	932	SIMILARITY	217	5		101			50%	E.O.T #101, TAPE MKTS. / STA #1221 OPEN Due to Hedge
7	402	WIND STOP	6			102			66db	B.O.T #102, 900 10sec ALL ONES / ROCK.
8	403	1284	6	5					20%	STA #1280 OPEN, Due to DRIVE WAY.
9	404	1285	7		1				20%	lots OF TRAFFIC ALONG LINE.
10	405	1286	8		1				20%	
11	406	1287	9						20%	
12	407	1288	10						20%	
13	408	1289	11		1				20%	
14	409	1290	12						20%	
15	410	1291	13		1				20%	
16	411	1292	14		1				20%	
17	412	1293	15		1				20%	
18	413	1294	16						20%	
19	414	1295	17			102			20%	E.O.T #102, TAPE MKTS.
20	415	1296	18		WIND STOP	103			66db	B.O.T #103, 900 10sec ALL ONES.
21	416	1296	18						20%	
22	417	1297	19		1				20%	
23	418	1298	20						20%	
24	419	1299	21		2				20%	
25	420	1300	22		2				20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/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 4-VI00's 1-YAM	TYPE GEOPHONE ETEL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length		OBSERVER M. Richey		PARTY MGR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YUBA	DATE 9-15-82
CREW NO. 6834	TERRAIN BLACKTOP	WEATHER cloudy	LINE NO. 27	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	GO ~	AMP	
1	421	1301	1203-1298	15	5	103	OUT	IN	20%	Recorder moved UP AT 1260-1261.
2	SKIP	1302	1204-1299	16					SKIP	Due to HOUSES.
3	SKIP	1303	1205-1300	17					SKIP	" " "
4	SKIP	1304	1206-1301	18					SKIP	" " "
5	SKIP	1305	1207-1302	19					SKIP	Due to TOWN.
6	SKIP	1306	1208-1303	20					SKIP	" " " From STA# 1302-1316 SKIP, Due to TOWN
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 MOR.

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA NO. CALIF	STATE CALIF	COUNTY YULBIA	DATE 9-16-82
CREW NO. 6834	TERRAIN BLACK TOP	WEATHER partly cloudy		LINE NO. #7

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				103	CXLT IN			Recorder SET AT 1280-1281
2	935	EINT								STA#1221 OPEN, DUE TO HUGE ROCK.
3	936	D.R.D								STA#1280 OPEN, DUE TO DRIVE-WAY
4	937	SUMTEST								STA#1312 OPEN and STA#1314 OPEN, DUE TO TOWN.
5	961	N.R.J. test								5 VIBS 50' SPACING 4 1/4" MOVE UP.
6	932	similarity	217	5					50%	1st Vib -44' Behind FLAG. 8 sweep
7	422	WINDSTRIP	11						60%	
8	423	1317	11	5					20%	
9	424	1318	12						20%	
10	425	1319	13		1				20%	
11	SKIP	1320	14							SKIP DUE TO HOUSES.
12	426	1321	15			103			20%	E.O.T#103, TAPE MKTS
13	427	1322	16			104			60%	B.O.T#104, 900 10sec ALL ONES.
14	428	1322	16						20%	
15	429	1323	17						20%	
16	430	1324	18						20%	
17	SKIP	1325	19							SKIP 1325-1332 DUE TO HOUSES, WATER WELL.
18	431	1333	27						20%	STACKED 1st HALF.
19	SKIP	1334	28							SKIP DUE TO HOUSE.
20	SKIP	1335	29			104				SKIP DUE TO HOUSE. E.O.T#104, TAPE MKTS, E.O.L.#7

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-3200/325sec		SWEEP PATTERN Sec REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X 		REMARKS 8ms sample RATE/48sec Record Length	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y1100, 1-y900	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
OBSERVER M. Pichey			PARTY NO. L. DAVIS		