

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>San Bernardino</b>	DATE <b>2-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder + Black Top + Rolling Hills</b>	WEATHER <b>Clear + Windy</b>	LINE NO. <b>3</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse			Missed sweeps	675	OUT	IN		RECORDER SET UP AT 77-78
2	934/935	FINT								STA#93 OPEN DUE TO ROCKING SURFACE.
3	936/939	DRD.								STA#94 " " " " " "
4	953/954	Sum TEST								
5	969/961	NRT TEST								TRAFFIC PICKING UP ON LINE.
6	932	Similarity	217	5					30%	WIND PICKING UP ON LINE.
7	001	Wind strip	1						66Db	
8	002	1	6-101	1	4				50%	4 SWEEP. ON BLACK TOP
9	003	1	6-101	1					50%	8 SWEEP. ON SHOULDER
10	004	2	7-102	2					50%	4 SWEEP.
11	005	2	7-102	2					50%	8 SWEEP.
12	006	3	8-103	3	5				50%	4 SWEEP. BACK ON BLACK TOP.
13	007	3	8-103	3					50%	8 SWEEP.
14	008	4	9-104	4					50%	4 SWEEP.
15	009	4	9-104	4					50%	8 SWEEP. BACK ON SHOULDER.
16	010	5	10-105	5	4				50%	4 SWEEP.
17	011	5	10-105	5		675			50%	8 SWEEP. F.O.T #675 TAPE MKTS.
18	012	6	11-106	6	WIND strip	676			66Db	B.O.T #676, 900 10sec ALL ONES.
19	013	6	11-106	6	5				50%	4 SWEEP.
20	014	6	11-106	6					50%	8 SWEEP.
21	015	7	12-107	7					50%	4 SWEEP.
22	016	7	12-107	7					50%	8 SWEEP.
23	017	8	13-108	8					50%	4 SWEEP.
24	018	8	13-108	8					50%	8 SWEEP.
25	019	9	14-109	9					50%	4 SWEEP.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN             X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100s 1-X 900	TYPE GEOPHONE F ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten / M. Richey	PARTY MGR L. Davis	LINE DIR. 1 TO 24 N → S		

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIFORNIA</b>	COUNTY <b>San Bernardino</b>	DATE <b>2-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Black top + Rolling Hills</b>	WEATHER <b>Clear + Windy</b>		LINE NO. <b>3</b>

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	020	14-109	9	5		676	out	IN	50%	8 sweep.
2	021	15-110	10						50%	4 sweep.
3	022	15-110	10			676			50%	8 sweep. EOT # 676 Tape MKTS
4	023	16-111	11	wind strip	677				66db	Bot # 677 # 900 10 sec All ones. Back to Normal 8 sweeps.
5	024	16-111	11						50%	
6	025	17-112	12						50%	
7	026	18-113	13						50%	
8	027	19-114	14	1					50%	
9	028	20-115	15						50%	
10	029	21-116	16						50%	
11	030	22-117	17						50%	
12	031	23-118	18						50%	
13	032	24-119	19						50%	
14	033	25-120	20						50%	
15	034	26-121	21						50%	
16	035	27-122	22	1	677				50%	E.O.T # 677, TAPE MKTS.
17	036	28-123	23	wind strip	678				66db	B.O.T # 678, 900 10sec ALL ONES.
18	037	28-123	23	1					50%	
19	038	29-124	24	1					50%	
20	039	30-125	25						50%	
21	040	31-126	26						50%	
22	041	32-127	27						50%	
23	042	33-128	28						50%	
24	043	34-129	29						50%	
25	044	35-130	30						50%	

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

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Blacktop</b>	WEATHER <b>Clear + windy</b>	LINE NO. <b>3</b>	

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								
2	<del>933</del> EINT	2-11"								Recorder set AT 93-94
3	<del>936</del> D.R.D	4-11"								STA #93-94 OPEN Due to ROCKING SURFACE.
4	<del>953</del> SCUMTEST	2-11"								Lot of Traffic Along Line
5	<del>960</del> N.R.S.	2-11"								
6	932 SIMILARITY	1-32sec	217	5						302
7	045 WIND strip	1-52sec	4							66Db
8	046 31	36-131	15	5	7	678				50% E.O.T #678 TAPE MKTS-
9	047 32	37-132	16			679				66Db B.O.T #679, 900 10sec ALL ONES.
10	048 32	37-132	16		4					50%
11	049 33	38-133	17		2					50%
12	050 34	39-134	18		4					50%
13	051 35	40-135	19							50%
14	052 36	41-136	20	4						50% Vib # 14256 Down, Rear END
15	053 37	42-137	21							50%
16	054 38	43-138	22							50%
17	055 39	44-139	23							50%
18	056 40	45-140	24							50%
19	057 41	46-141	25	5	2					50% Vib # 14256 BACK IN.
20	058 42	47-142	26		2					50%
21	059 43	48-143	27	4		679				50% E.O.T #679, TAPE MKTS / Vib # 14256 NOT CAUGHT ON ONE
22	060 44	49-144	28			680				66Db B.O.T #680, 900 10sec ALL ONES.
23	061 44	49-144	28							50%
24	062 45	50-145	29		2					50%
25	063 46	51-146	30		3					50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN 4/63	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 E+LEND2B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms SAMPLE RATE / 52 sec Record Len			OBSERVER R. Patton / M. Richey	PARTY MGR. L. Davis	LINE DIR. TO 24 N → S

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rolling Hills</b>	WEATHER <b>Clear &amp; Windy</b>		LINE NO. <b>3</b>

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	064	47	52-147	31	5	<sup>missed</sup> 680	OUT	IN	50%	Vib # 14256 BACK IN.
2	065	48	53-148	32	4				50%	
3	066	49	54-149	33	4				50%	
4	067	50	55-150	34	4				50%	Vib # 14256, Down RADIO.
5	068	51	56-151	35					50%	
6	069	52	57-152	36	2				50%	
7	070	53	58-153	37	1				50%	
8	071	54	59-154	38					50%	
9	072	55	60-155	39		680			50%	F.O.T #680 TAPE MKTS.
10	073	56	61-156	40	wind strip	681			66db	B.O.T #681, 900 10sec ALL ONES.
11	074	56	61-156	40					50%	
12	075	57	62-157	41					50%	
13	076	58	63-158	42	5				50%	Vib # 14256, BACK IN.
14	077	59	64-159	43	1				50%	
15	078	60	65-160	44					50%	
16	079	61	66-161	45					50%	
17	080	62	67-162	46					50%	
18	081	63	68-163	47					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.	

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN Bernardino</b>	DATE <b>2-18-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rolling Hills</b>	WEATHER <b>Clear + WINDY</b>	LINE NO. <b>3</b>	

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	681	OUT	IN		Recorder set At 119-120
2	<del>934</del> 935 EINT	2- " "								Sta#93,94 OPEN Due to Rocking Surface.
3	<del>936</del> 939 D.R.D	4- " "								
4	<del>953</del> 955 SUMTEST	2- " "								
5	<del>960</del> 961 N.R.J.	2- " "								
6	932 SIMILARITY	1-32sec	217	5						30%
7	082 WIND strip	1-52sec	22			681				66db EOT *681 TAPE MKTS
8	083 64	69-164	WIND strip			682				66db BOT *682 *900 10 sec ALL ONES
9	084 64	69-164	22	4	2					50% Vib#14256 NOT getting TONES
10	085 65	70-165	23		2					50%
11	086 66	71-166	24		2					50%
12	087 67	72-167	25		3					50%
13	088 68	73-168	26		1					50%
14	089 69	74-169	27	5						50% Vib#14256. BACK IN.
15	090 70	75-170	28							50%
16	091 71	76-171	29							50%
17	092 72	77-172	30		2					50%
18	093 73	78-173	31							50%
19	094 74	79-174	32							50%
20	095 75	80-175	33			682				30% E.O.T *682, TAPE MKTS
21	096 76	81-176	34	WIND strip		683				66db B.O.T *683 900 10sec ALL ONES.
22	097 76	81-176	34	4						50% Vib # 16344 DOWN, BAD HOSE.
23	098 77	82-177	35		2					50%
24	099 78	83-178	36		2					50%
25	100 79	84-179	37							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8→32Hz / 32sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-y1100's 1-y900	
REMARKS 8ms SAMPLE RATE / 52sec Record Len		TYPE GEOPHONE E+LEV22B		FREQUENCY 7.5Hz	
OBSERVER R. PATTON / M. RICHAY		STATION INTERVAL 330'		LINE DIR. 1 TO 24 N→S	
PARTY MGR. L. DAVIS					

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN Bernardino</b>	DATE <b>2-18-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder &amp; Rolling Hills</b>	WEATHER <b>Clear &amp; WINDY</b>		LINE NO. <b>3</b>

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	101	85-180	38	4	Missed Sweep	683	OUT	IN	50%	Vibs ON BLACK TOP.
2	102	86-181	39						50%	
3	103	87-182	40						50%	Vibs moved BACK to shoulder.
4	104	88-183	41						50%	
5	105	89-184	42		1				50%	
6	106	90-185	43						50%	Vibs ON BLACK TOP.
7	107	91-186	44		1				50%	
8	108	92-187	45			683			50%	E.O.+ #683, TAPE MKTS.
9	109	93-188	35	WIND	strip	684			66db	B.O.+ #684, 900 10sec ALL ONES.
10	110	93-188	35						50%	Vib #14256 DOWN, TRANS. BOLNS 1
11	111	94-189	36	5					30%	Vib #14256 BACK IN. Vib #16344 BACK IN.
12	112	95-190	37						30%	
13	113	96-191	38						30%	
14	114	97-192	39						30%	
15	115	98-193	40						50%	BACK ON shoulder.
16	116	99-194	41						50%	Vibs BACK to BLACK TOP.
17	117	100-195	42						50%	
18	118	101-196	43						50%	
19	119	102-197	44						50%	
20	120	103-198	45						50%	
21	121	104-199	46			684			50%	E.O.+ #684, TAPE MKTS.
22	122	105-200	47	WIND	strip	685			66db	B.O.+ #685, 900 10sec ALL ONES.
23	123	105-200	47						50%	
24	124	106-201	48						50%	
25	125	107-202	49						50%	

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

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN Bernardino</b>	DATE <b>2-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rollins Hills</b>	WEATHER <b>partly cloudy</b>	LINE NO. <b>3</b>	

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				685	OUT	IN		Recorder set at 166-167
2	934/935 EINT	2- " "								
3	936/939 D.R.D	4- " "								
4	953/954 SUMtest	2- " "								
5	960/961 N.R.S	2- " "								
6	932 SIMILARITY	1-32sec	217	5						30%
7	126 WIND strip	1-52sec	14							66Db
8	127 103	108-203	14	5	1					50% starting ON shoulder.
9	128 104	109-204	15		1					50% NOISE Reg. WAS NOT SET IN For STA#103 to 106.
10	129 105	110-205	16							50%
11	130 106	111-206	17							50%
12	131 107	112-207	18							50%
13	132 108	113-208	19			685				50% E.D.T.#685 TAPE MKTS.
14	133 109	114-209	20			686				66Db B.O.T.#686, 900 10sec ALL ONES.
15	134 109	114-209	20							50%
16	135 110	115-210	21							50%
17	136 111	116-211	22							50%
18	137 112	117-212	23							50%
19	138 113	118-213	24							50%
20	139 114	119-214	25							50%
21	140 115	120-215	26							50% Uibs Back on Black Top.
22	141 116	121-216	27							50%
23	142 117	122-217	28							50%
24	143 118	123-218	29							50%
25	144 119	124-219	30							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>32sec/32Hz</b>	SWEEP PATTERN <b>4/63</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     /     X     /     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1160's 1-400</b>	TYPE GEOPHONE <b>ETEL22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/52sec Record Len</b>			OBSERVER <b>R. PATTON/M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

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**Exploration Services  
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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>SAN BERNARDINA</b>	DATE <b>2-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder &amp; Rolling Hills</b>	WEATHER <b>Dactly cloudy</b>	LINE NO. <b>3</b>	

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	145	120	125-220	31	5	10000	686	OUT	IN	50%	E.O.t #686 TAPE MKTS.
2	146	121	126-221	32	WIND	strip	687			66db	B.O.t #687, 900 10sec ALL ONES.
3	147	121	126-221	32	5					50%	
4	148	122	127-222	33						50%	
5	149	123	128-223	34						50%	
6	150	124	129-224	35						50%	
7	151	125	130-225	36						50%	
8	152	126	131-226	37						50%	
9	153	127	132-227	38						50%	
10	154	128	133-228	39						50%	
11	155	129	134-229	40						50%	
12	156	130	135-230	41						50%	
13	157	131	136-231	42						30%	
14	158	132	137-232	43			687			30%	E.O.t #687 TAPE MKTS
15	159	133	138-233	44	WIND	strip	688			66db	B.O.t #688, 900 10sec ALL ONES.
16	160	133	138-233	44						50%	
17	161	134	139-234	45						50%	
18	162	135	140-235	46						50%	
19	163	136	141-236	47						50%	
20	164	137	142-237	48						50%	
21	165	138	143-238	49						50%	
22	166	139	144-239	40						50%	Moved Recorder TO 176-177 Vib Back on shoulder,
23	167	140	145-240	41						50%	
24	168	141	146-241	42	4					50%	Vib #16344 Down,
25	169	142	147-242	43						50%	Vib #16344 Back I.V had TO STOP TO Build up Air. Press.

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. 9

CLIENT <b>CO CORP</b>	AREA <b>Southern CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder &amp; Rolling Hills</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>3</b>

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	143	148-243	44	4	MISS- SWEEP	688	OUT	IN	50%	E.O. + #688 TAPE MATS.
2										
3										
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	LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BernARDINO</b>	DATE <b>2-20-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder &amp; Rollins Hills</b>	WEATHER <b>Clear.</b>	LINE NO. <b>3</b>	

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				689	OUT	IN		Recorder set At B.O.T #689, 900 10sec All ONES.
2	934	FIN+								
3	935	D.R.D								
4	936	SUM test								
5	937	N.R.J.								
6	932	SIMILARITY	217	5					30%	
7	171	WIND strip		3					66db	
8	172	144		3					50%	
9	173	145		4					50%	
10	174	146		5					50%	
11	175	147		6					50%	
12	176	148		7					50%	
13	177	149		8					50%	
14	178	150		9					50%	
15	179	151		10					50%	
16	180	152		11					50%	
17	181	153		12		689			50%	E.O.T #689, TAPE MKTS
18	182	154		13	WIND strip	690			66db	B.O.T #690, 900 10sec All ONES
19	183	154		13					50%	
20	184	155		14					50%	
21	185	156		15					50%	
22	186	157		16					50%	
23	187	158		17					50%	
24	188	159		18					50%	moved to BLACK TOP.
25	189	160		19	4				50%	Vib #17311 Down, Front motor Die.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32 Hz / 32 sec		SWEEP PATTERN 4/63	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 E TEL 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52sec Record Len		OBSERVER R. Patton / M. Richey	PARTY MGR. L. Davis		

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-20-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	190	166-261	20	4	Missed Sweep	690	OUT	IN	50%	
2	191	167-262	21	5					50%	Vib #17311 BACK IN.
3	192	168-263	22						50%	
4	193	169-264	23						50%	
5	194	170-265	24			690			50%	E.O.T #690, TAPE MKTS
6	195	171-266	25		wine strip	691			66db	B.O.T #691, 900 10sec ALL ONES.
7	196	171-266	25						50%	Vibs BACK to shoulder.
8	197	172-267	26						50%	
9	198	173-268	27						50%	
10	199	174-269	28						50%	
11	200	175-270	29						50%	
12	201	176-271	30						50%	
13	202	177-272	31						50%	
14	203	178-273	32						50%	
15	204	179-274	33						50%	
16	205	180-275	34						50%	
17	206	181-276	35						50%	
18	207	182-277	36		1	691			50%	E.O.T #691 TAPE MKTS
19	208	183-278	37		wine strip	692			66db	B.O.T #692, 900 10sec ALL ONES.
20	209	183-278	37						50%	
21										
22										
23										
24										
25										

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

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-21-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Drt shoulder + Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec				692	OUT	IN		Recorder set AT 218-219
2	934 EINT	2- " "								Picking up noise from motorcycles ON LINE.
3	935 DRD	4- " "								
4	936 SUM test	2- " "								
5	960 N.R.J.	2- " "								
6	932 SIMILARITY	1-32sec	217	5						30%
7	210 WIND STRIP	1-52sec	38							66db
8	211 179	184-279	38	5						50%
9	212 180	185-280	39							50%
10	213 181	186-281	40							50%
11	214 182	187-282	41							50%
12	215 183	188-283	42							50%
13	216 184	189-284	43							50%
14	217 185	190-285	44			692				50% E.O.t #692 TAPED ARTS
15	218 186	191-286	45			693				66db B.O.t #693, 900 10sec ALL ONES
16	219 186	191-286	45							50%
17	220 187	192-287	46							50%
18	221 188	193-288	47							50%
19	222 189	194-289	48							50%
20	223 190	195-290	49							50% Picking up noise from motorcycles RACE going DOWN LINE.
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>32 Hz / 32sec</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1100's 1-900</b>	TYPE GEOPHONE <b>F+EL22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample RATE / 52sec Record Len</b>	OBSERVER <b>R. Patten / M Richey</b>		PARTY MGR. <b>L. Davis</b>		

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>clear</b>	LINE NO. <b>3</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1-6sec		missed sweep	693	OUT	IN		Recorder set at 229-230
2	934	EINT	2-11"							
3	935	D.R.D	4-11"							
4	936	Sum test	2-11"							
5	937	N.R.J.	2-11"							
6	222	SIMILARITY	1-32sec	217	5					30%
7	224	WIND strip	1-52sec	39						66db
8	225	191	196-291	39	5					50%
9	226	192	197-292	39						50% WRONG CDP should HAVE BEEN 40
10	227	193	198-293	41		693				30% E.O.T #693, TAPE MKTS
11	228	194	199-294	42		694				66db B.O.T #694, 900 loops ALL CONES
12	229	194	199-294	42						50%
13	230	195	200-295	43						50%
14	231	196	201-296	44						50%
15	232	197	202-297	45						50%
16	233	198	203-298	46						50%
17	234	199	204-299	47						50% Vib <sup>s</sup> are in Deep Valley, missing tones
18	235	200	205-300	48						50%
19	236	201	206-301	49						50%
20	237	202	207-302	39						50% RECORDER MOVED UP AT 240-241
21	SKIP	203	208-303	40						SKIP Due to NOT GETTING TONE
22	SKIP	204	209-304	41						" " " " " "
23	238	205	210-305	42						50%
24	239	206	211-306	43						50%
25	240	207	212-307	44		694				50% E.O.T #694, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32sec/32Hz	SWEEP PATTERN 4163	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 E+EL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE / 52sec Record Len	OBSERVER R. PATTON / M. Richey	PARTY MGR. L. DAVIS			

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
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Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISTAKEN Sweeps	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	60 ~	AMP		
1	241	208	213-308	45	wind	strip	695	OUT	IN	66db	B.O.T #695, 900 10sec All ones
2	242	208	213-308	45						50%	
3	243	209	214-309	46						50%	
4	244	210	215-310	47						50%	
5	245	211	216-311	48						50%	
6	246	212	217-312	49						50%	
7	247	213	218-313	32	4	3				50%	Recorder moved UP AT 258-259
8	248	214	219-314	33						50%	Vib #17311, Down oil Ring Blown IN servo.
9	249	215	220-315	34						50%	Vibs moved to BLACK TOP, STA #214
10	250	216	221-316	35	5					50%	Vib #17311 BACK IN, Vibs moved BACK to shoulder
11	251	217	222-317	36						50%	
12	252	218	223-318	37						50%	
13	253	219	224-319	38		3	695			50%	E.O.T #695, TAPE MK+S.
14	254	220	225-320	39	wind	strip	696			66db	B.O.T #696, 900 10sec All ones
15	255	220	225-320	39						50%	
16	256	221	226-321	40						50%	
17	257	222	227-322	41						50%	
18	258	223	228-323	42						50%	
19	259	224	229-324	43						50%	
20	260	225	230-325	44						50%	
21	261	226	231-326	45						50%	
22	262	227	232-327	46						50%	
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern Calif.</b>	STATE <b>Calif.</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulders</b>	WEATHER <b>partly cloudy</b>	LINE NO. <b>3</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 SEC			Missed Sweep	696	OUT	IN		Recorder set at 300-301
2	935 EINT	2- " "								STA#349-358 OPEN Due to TOWN
3	939 D.R.O	4 " "								STA#331 OPEN Due to Drive way.
4	954 Sum test	2 " "								
5	961 NRJ	2 " "								
6	932 Similarity	1-32 SEC	217	5						30%
7	263 Windstrip	1-52 SEC	5			696				66Db E.O.T#696, TAPE MKTS.
8	264 228	233-328	5	WIND	strip	697				66Db B.O.T#697, 900 10sec ALL ONES
9	265 228	233-328	5	5						50% VibS ON HI WAY.
10	266 229	234-329	6							50%
11	267 230	235-330	7							50%
12	268 231	236-331	8							50%
13	269 232	237-332	9							50%
14	270 233	238-333	10							50%
15	271 234	239-334	11							50%
16	272 235	240-335	12							50%
17	273 236	241-336	13							30%
18	274 237	242-337	14							50%
19	275 238	243-338	15							50%
20	276 239	244-339	16			697				50% E.O.T#697 TAPE MKTS
21	277 240	245-340	17	WIND	strip	698				50% B.O.T#698, 900 10sec ALL ONES
22	278 240	245-340	17							50%
23	279 241	246-341	18							50% VibS MOVED BACK TO Shoulder
24	280 242	247-342	19							50%
25	281 243	248-343	20							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32Hz/32sec	SWEEP PATTERN 4/63	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 E+EL22R	FREQUENCY 25HZ	STATION INTERVAL 330
REMARKS 8ms SAMPLE RATE/52sec Record Length.	OBSERVER R. Patton/M. Richey	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 N-S		

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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CLIENT <b>COCORP</b>	AREA <b>southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN Bernardino</b>	DATE <b>2-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	282	244	249-344	21	5	MISSING Tape #698	OUT	IN	50%	
2	283	245	250-345	22					50%	
3	284	246	251-346	23					50%	
4	285	247	252-347	24					50%	
5	286	248	253-348	25					50%	
6	287	249	254-349	26					50%	
7	288	250	255-350	27		698			50%	E.O.T #698, TAPE MKTS
8	289	251	256-351	28	WIND strip	699			66db	B.O.T #699, 900 10sec ALL ONES
9	290	251	256-351	28					50%	
10	291	252	257-352	29					50%	
11	292	253	258-353	30					50%	
12	293	354	259-354	31					50%	
13	294	355	260-355	32					50%	
14	295	356	261-356	33					50%	
15	296	357	262-357	34					50%	
16	297	358	263-358	35					50%	
17	298	259	264-359	36					50%	
18	299	260	265-360	37					50%	
19	300	261	266-361	38					50%	
20	301	262	267-362	39		699			50%	E.O.T #699, TAPE MKTS
21	302	263	268-363	40	WIND strip	700			66db	B.O.T #700, 900 10sec ALL ONES
22	303	263	268-363	40					50%	
23	304	264	269-364	41					50%	
24	305	265	270-365	42					50%	
25	306	266	271-366	43					50%	

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

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Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-24-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>partly cloudy</b>	LINE NO. <b>3</b>	

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								Recorder set at 343-344
2	934 FIN T	2-11"								STA #349-358 OPEN Due to town.
3	935 D.R.D	4-11"								STA #331-OPEN Due to DRIVE WAY-
4	936 sumtest	2-11"								
5	937 N.R.J	2-11"								
6	932 SIMILARITY	1-32sec	217	5						30%
7	307 WIND STRIP	1-52sec	1							66db
8	308 267	272-367	1	5						50% STACKED LAST HALF
9	309 268	273-368	2							50%
10	310 269	274-369	3							50%
11	311 270	275-370	4							50%
12	312 271	276-371	5			700				50% E.O.T #700, TAPE MKTS
13	313 272	277-372	6			701				66db B.O.T #701, 900 10sec ALLONES
14	314 272	277-372	6							50%
15	315 273	278-373	7							50%
16	316 274	279-374	8							50%
17	317 275	280-375	9							50%
18	318 276	281-376	10							50%
19	319 277	282-377	11							50%
20	320 278	283-378	12							50%
21	321 279	284-379	13							50%
22	322 280	285-380	14							50%
23	323 281	286-381	15							50%
24	324 282	287-382	16							50%
25	325 283	288-383	17			701				50% E.O.T #701 TAPE MKTS

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32Hz/32sec		SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP	PATCH PATTERN        X
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-11005 1-1900	TYPE GEOPHONE E+E/22B	FREQUENCY 7.5Hz	STATION INTERVAL 330
REMARKS 8ms Sample RATE/52sec Record Len		OBSERVER R. PATTON/M. RICHEY	PARTY MGR. J. DAVIS		

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN Bernardino</b>	DATE <b>2-24-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rollins Hills</b>	WEATHER <b>partly cloudy</b>	LINE NO. <b>3</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	326	284	289-384	18	5	702	OUT	IN	66db	B.O.T #702, 900 10sec All ones.
2	327	284	289-384	18					50%	
3	328	285	290-385	19					50%	
4	329	286	291-386	20					50%	
5	330	287	292-387	21					50%	
6	331	288	293-388	22					50%	
7	332	289	294-389	23	3				50%	
8	333	290	295-390	24					50%	
9	334	291	296-391	25					50%	
10	335	292	297-392	26					50%	
11	336	293	298-393	27					50%	
12	337	294	299-394	28					50%	
13	338	295	300-395	29		702			50%	E.O.T #702 TAPE MKTS
14	339	296	301-396	30	wind strip	703			66db	B.O.T #703, 900 10sec All ones
15	340	296	301-396	30					50%	
16	341	297	302-397	31					50%	
17	342	298	303-398	32					50%	
18	343	299	304-399	33					50%	
19	344	300	305-400	34					50%	
20	345	301	306-401	35					50%	
21	346	302	307-402	36					50%	
22	347	303	308-403	37					50%	
23	348	304	309-404	38					50%	
24	349	305	310-405	39					50%	
25	350	306	311-406	40		703			50%	E.O.T #703, 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.	

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-25-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>Clear</b>	LINE NO. <b>3</b>	

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				704	OUT	IN		Recorder SET AT 374-375.
2	934 EINT	2- " "								STA*349-358 OPEN Due to TOWN.
3	935 DRD	4- " "								STA*331 OPEN Due to Drive WAY.
4	953 SUMP test	2- " "								B.O.T# 704, 900 10sec ALL ONES.
5	960 N.R.J test	2- " "								Recorder moved BACK Vibs NOT GETTING ONE.
6	932 SIMILARITY	1-32sec	217	5						30%
7	351 WIND STRIP	1-52sec	4							66db
8	352 307	312-407	10		3					50%
9	353 308	313-408	11		2					50%
10	354 309	314-409	12		1					50%
11	355 310	315-410	13							50%
12	356 311	316-411	14							50%
13	357 312	317-412	15							50%
14	358 313	318-413	16							50%
15	359 314	319-414	17							50%
16	360 315	320-415	18							50%
17	361 316	321-416	19			704				50% E.O.T# 704 TAPE MKTS.
18	362 317	322-417	20			705				66db B.O.T# 705, 900 10sec ALL ONES.
19	363 317	322-417	20							50%
20	364 318	323-418	21							50%
21	365 319	324-419	22							50%
22	366 320	325-420	23							50%
23	367 321	326-421	24							50%
24	368 322	327-422	25							50%
25	369 323	328-423	26							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>32Hz/32sec</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     X     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y1100'S 1-Y900</b>	TYPE GEOPHONE <b>E+EL22R</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample RATE / 52sec Record Length</b>			OBSERVER <b>R. Patton / M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>San Bernardino</b>	DATE <b>2-25-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	370	329-424	27	5	Miscel Sweep	705	OUT	IN	50%	
2	371	330-425	28						50%	
3	372	331-426	29						50%	
4	373	332-427	30						50%	
5	374	333-428	31			705			50%	E.O.T #705 TAPE MKTS
6	375	334-429	32			706			66db	B.O.T #706, 900 10sec ALL ONES
7	376	334-429	32						50%	
8	SKIP	335-430	33						SKIP	Due to WATER well
9	377	336-431	34						50%	STACKED LAST HALF
10	378	337-432	35						50%	
11	379	338-433	36						50%	
12	380	339-434	37						50%	
13	381	340-435	38						50%	
14	382	341-436	39						50%	
15	383	342-437	40						50%	
16	384	342-438	41						50%	
17	385	344-439	42			706			50%	E.O.T #706, TAPE MKTS
18	386	369-464	35			707			66db	B.O.T #707, 900 10sec ALL ONES.
19	387	369-464	35						50%	STA #340-363, SKIP Due to TOWN.
20	388	370-465	36						50%	
21	389	371-466	37						50%	STACKED 1st HALF
22	SKIP	372-467	38						SKIP	STA #367 SKIP Due to House
23	390	373-468	39						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		LINE DIR. 1 TO 24	
REMARKS						OBSERVER			PARTY MGR.				

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>SAN BERNARDINO</b>	DATE <b>2-26-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			missed sweep	707	OUT	IN		Recorder set at 444-445
2	934 EINT	2-11								
3	935 D.R.D	4-11								
4	936 SUM test	2-11								
5	937 N.R.J test	2-11								
6	932 SIMILARITY	1-32sec	217	5						30%
7	391 WIND strip	1-52sec	2							66%
8	392 369	374-469	2	5	3					50%
9	393 370	375-470	3		2					50%
10	394 371	376-471	4							50%
11	395 372	377-472	5							50%
12	SKIP 373	378-473	6							SKIP Due to BLACK TOP - 373-379
13	396 379	384-479	12			707				50% E.O.T # 707 TAPE MKTS.
14	397 380	385-480	13			708				66% R.O.T # 708, 900 10sec All ones.
15	398 380	385-480	13							50%
16	399 381	386-481	14		1					50%
17	400 382	387-482	15							50%
18	401 383	388-483	16							50%
19	402 384	389-484	17		1					50%
20	403 385	390-485	18		4					50%
21	404 386	391-486	19		1					50%
22	405 387	392-487	20							50%
23	406 388	393-488	21		1					50%
24	407 389	394-489	22							50%
25	408 390	395-490	23							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>32<sup>#</sup> 32sec</b>		SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     </b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-V1100's 1-V900</b>	TYPE GEOPHONE <b>ET/E122B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample RATE/52sec Record Length</b>			OBSERVER <b>R. PATTON/M. Richey</b>	PARTY MGR. <b>L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>LOCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>2-26-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

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	409	396-490	24	5	12.5dB	708	DILT	IN	50%	E.O.T #708, TAPE MKTS.
2	410	397-492	25		WIND STRIP	709			66DB	B.O.T #709, 900 10sec ALL ONES.
3	411	397-492	25						50%	
4	412	398-493	26						50%	
5	413	399-494	27		1				50%	
6	414	400-495	28						50%	
7	415	401-496	29	4					50%	Vib #23651 Down, all LEAK.
8	416	402-497	30						50%	
9	417	403-498	31						50%	
10	418	404-499	32		1				50%	
11	419	405-500	33						50%	
12	420	406-501	34		1				50%	
13	421	407-502	35			709			50%	E.O.T #709, TAPE MKTS
14	422	408-503	36			710			66DB	B.O.T #710, 900 10sec ALL ONES.
15	423	408-503	36						50%	
16	424	409-504	37						50%	
17	425	410-505	38						50%	
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>2-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>3</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	Pulse	1-6 sec				710	OLT	IN		RECORDER SET AT 472-473
2	EINT	2-11 "								Vib # 23651 Down, oil leak.
3	D.R.D	4-11 "								MOTORCYCLES CROSS LINE.
4	SCUM test	2-11 "								
5	N.R.J test	2-11 "								
6	SIMILARITY	1-32 sec	217	5					30%	
7	WIND STRIP	1-52 sec	11						66db	
8	406	411-506	11	4					50%	Vib # 23651 Down, oil leak.
9	407	412-507	12						50%	
10	408	413-508	13	4					50%	Vib # 14256 Down, Pad Bolts Broke Off.
11	409	414-509	14						50%	Vib # 23651 BACK IN.
12	410	415-510	15						50%	
13	411	416-511	16			710			50%	E.O.T # 710, TAPE MKTS.
14	412	417-512	17		WIND STRIP	711			66db	R.O.T # 711, 900 10sec All ones.
15	412	417-512	17						50%	
16	413	418-513	18						50%	
17	414	419-514	19						50%	
18	415	420-515	20						50%	
19	416	421-516	21						50%	
20	417	422-517	22						50%	
21	418	423-518	23						50%	
22	419	424-519	24						50%	
23	420	425-520	25						50%	
24	421	426-521	26						50%	
25	422	427-522	27						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>32Hz/32sec</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4711005 1-V900</b>	TYPE GEOPHONE <b>EtEL22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>3.30'</b>
REMARKS <b>2ms SAMPLE RATE/32sec Record Len</b>	OBSERVER <b>R. PATTON/M. RICHY</b>	PARTY MGR. <b>J. DAVIS</b>	LINE DIR. <b>N-S</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

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CLIENT <b>COLORP</b>	AREA <b>Southern CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>2-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

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	445	423	428-523	28	4	MISSER SWEEP	711	OUT	IN	50%	E.O.T #711, TAPE MKT
2	446	424	429-524	29	WIND	strip	712			60db	B.O.T #712, 900 10sec ALL ONES
3	447	424	429-524	29						50%	
4	448	425	430-525	30						50%	
5	449	426	431-526	31						50%	
6	450	427	432-527	32						50%	
7	451	428	433-528	33						50%	
8	452	429	434-529	34						50%	
9	453	430	435-530	35						50%	
10	454	431	436-531	36						50%	
11	455	432	437-532	37						50%	
12	456	433	438-533	38						50%	
13	457	434	439-534	39						50%	
14	458	435	440-535	40			712			50%	E.O.T #712, TAPE MKTS
15	459	436	441-536	41	WIND	strip	713			60db	B.O.T #713, 900 10sec ALL ONES.
16	460	436	441-536	41						50%	
17	461	437	442-537	42						50%	
18	462	438	443-538	43						50%	
19	463	439	444-539	44						50%	
20	464	440	445-540	45						50%	
21	465	441	446-541	46						50%	
22											
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>2-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>partly cloudy</b>	LINE NO. <b>3</b>	

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			<del>MISSING SWEEP</del>	713	OUT	IN		Recorder SET AT 518-519
2	<del>934</del> EINT	2- " "								Vib# 14256 Down, PAD BEING FIXED.
3	<del>935</del> D.R.D.	4- " "								
4	<del>936</del> SUM test	2- " "								
5	<del>937</del> N.R.J test	2- " "								
6	932 SIMILARITY	1-32sec	217	4						30%
7	466 WINDSTRIP	1-52sec	1							66db
8	467 442	447-542	1		8					50%
9	468 443	448-543	23		7					50%
10	469 444	449-544	24		8	713				50%
11	470 445	450-545	25	WIND	8	714				66db
12	471 445	450-545	25		7					50%
13	472 446	451-546	26		6					50%
14	SKIP 447	452-547	27							SKIP
15	473 448	453-548	28							50%
16	474 449	454-549	38							50%
17	475 450	455-550	39							50%
18	476 451	456-551	40							50%
19	477 452	457-552	41							50%
20	478 453	458-553	42							50%
21	479 454	459-554	43							50%
22	480 455	460-555	44							50%
23	481 456	461-556	45							50%
24	482 457	462-557	46			714				50%
25	483 458	463-558	47	WIND	8	715				50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>3242/32sec</b>	SWEEP PATTERN <b>4163</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     x     </b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-V110075 1-V900</b>	TYPE GEOPHONE <b>E+EL22R</b>	FREQUENCY <b>7.5Hz</b>
STATION INTERVAL <b>330'</b>		LINE DIR. <b>1 TO 24 N=5</b>		

REMARKS <b>8ms Sample RATE / 52sec Record Length</b>	OBSERVER <b>R. PATTON / M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
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Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>2-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>3</b>

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	458	463-558	47	4	missed sweep	715	OUT	IN	50%	
2	459	464-559	48						50%	
3	460	465-560	49						50%	
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.					

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Cloudy + Windy</b>	LINE NO. <b>3</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			MISS SWEEP	715	OUT	IN		Recorder SET AT 516-517
2	934 EINT	2-11 "								
3	935 D.R.D	4-11 "								
4	936 SUM test	2-11 "								
5	937 N.R. test	2-11 "								Vib # 14256 DOWN BROKEN PAD LEGS
6	932 SIMILARITY	1-32sec	217	4					30%	
7	487 WIND STRIP	1-52sec	22						66db	
8	488 461	466-561	22	4					50%	
9	489 462	467-562	23						50%	
10	490 463	468-563	24		2				50%	
11	491 464	469-564	25						50%	
12	492 465	470-565	26						50%	
13	493 466	471-566	27		1	715			50%	EOT # 715 Tape MKTs
14	494 467	472-567	28		wind strip	716			66db	BOT # 716 *900 10sec All ones.
15	495 467	472-567	28						50%	
16	496 468	473-568	29						50%	
17	497 469	474-569	30						50%	Wind picking up.
18	498 470	475-570	31						50%	
19	499 471	476-571	32						50%	
20	500 472	477-572	33						50%	
21	501 473	478-573	34						50%	
22	502 474	479-574	35		1				50%	
23	503 475	480-575	36						50%	
24	504 476	481-576	37						50%	
25	505 477	482-577	38			716			50%	EOT # 716 Tape MKTs

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32sec/32Hz	SWEEP PATTERN 4163	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 ETEL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE / 52sec Record	OBSERVER R. PATTON / M. RICHES	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24	N=5	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern Calif</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Cloudy + windy</b>		LINE NO. <b>3</b>

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	506	478	483-578	39	wind	strip	717	OUT	IN	66Db	BOT #717 #900 10 sec All ones
2	507	478	483-578	39	4					50%	
3	508	479	484-579	40						50%	
4	509	480	485-580	41						50%	
5	510	481	486-581	42						50%	
6	511	482	487-582	43						50%	
7	512	483	488-583	44						50%	
8	513	484	489-584	45						50%	
9	514	485	490-585	46						50%	
10	515	486	491-586	47						50%	
11	516	487	492-587	48						50%	
12	517	488	493-588	49			717			50%	EOT #717 Tape MKTs.
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern Calif</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly cloudy + Windy</b>		LINE NO. <b>3</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1 - 6 sec			Missed Sweeps 718	OUT	IN		BOT * 718 * 900 10 sec All ones
2	934/935	EINT	2 - " "							Recorder set AT 545-546
3	936/939	DRD	4 - " "							STA * 589 open Due to Drive way.
4	953/954	Sum TEST	2 - " "							
5	960/961	N RJ TEST	2 - " "							Vib * 14256 Down Broken Pad legs.
6	932	SIMPLICITY	1 - 32 sec	217	4					302
7	518	wind strip	1 - 52 sec	21						66Db
8	519	489	494 - 589	21	4	1				502
9	520	490	495 - 590	22		1				502
10	521	491	496 - 591	23						502
11	522	492	497 - 592	24						502
12	523	493	498 - 593	25						502
13	524	494	499 - 594	26						502
14	525	495	500 - 595	27						502
15	526	496	501 - 596	28						502
16	527	497	502 - 597	29						502
17	528	498	503 - 598	30		2 718				502
18	529	499	504 - 599	31	wind strip	719				66Db
19	530	499	504 - 599	31						502
20	531	500	505 - 600	32						502
21	532	501	506 - 601	33						502
22	533	502	507 - 602	34						502
23	534	503	508 - 603	35						502
24	535	504	509 - 604	36						502
25	536	505	510 - 605	37						502

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 11005 1-Y 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample rate / 52sec Record Length			OBSERVER K. Patton	PARTY MGR F. Davis	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>KERN</b>	DATE <b>3-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly cloudy + wind</b>		LINE NO. <b>3</b>

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	537	511-606	38	4		719	OUT	IN	50%	
2	538	512-607	39						50%	
3	539	513-608	40						50%	
4	540	514-609	41						50%	
5	541	515-610	42			719			50%	EOT * 719 Tape MKTs.
6	542	516-611	43	wind	strip	720			66db	BOT * 720 * 900 10 sec All ones
7	543	516-611	43						50%	
8	544	517-612	44						50%	Wind Picking up
9	545	518-613	45						50%	
10	546	519-614	46						50%	
11	547	520-615	47						50%	
12	548	521-616	48						50%	
13	549	522-617	49						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.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear + Windy</b>	LINE NO. <b>3</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec			MISSED SWEEP	720	OUT	IN		RECONDER SET AT 574-575
2	934/935 EINT	2 - " "								STA#589 OPEN DUE TO DRIVEWAY.
3	936/939 DRD	4 - " "								Vib# 14256 Down Brooker Pad legs and New Pumb Being Put on.
4	957/954 Sum TEST	2 - " "								
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4						30%
7	550 Wind Strip	1 - 52 sec	21							66Db
8	551 518	523 - 618	21	4						50%
9	552 519	524 - 619	22			720				50% E.O.T #720, TAPE MKTS
10	553 520	525 - 620	23		WIND strip	721				66Db B.O.T #721. 900 10sec ALL ONES.
11	554 520	525 - 620	23							50% BLASTED IN AREA.
12	555 521	526 - 621	24							50%
13	556 522	527 - 622	25							50%
14	557 523	528 - 623	26							50%
15	558 524	529 - 624	27							50%
16	559 525	530 - 625	28							50%
17	560 526	531 - 626	29							50%
18	561 527	532 - 627	30							50%
19	562 528	533 - 628	31							50%
20	563 529	534 - 629	32							50%
21	564 530	535 - 630	33							50%
22	565 531	536 - 631	34			721				50% E.O.T #721 TAPE MKTS.
23	566 532	537 - 632	35		WIND strip	722				66Db B.O.T #722 900 10sec ALL ONES.
24	567 532	537 - 632	35							50%
25	568 533	538 - 633	36							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8 → 32Hz / 32 sec</b>	SWEEP PATTERN <b>4/63</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-Y 1100's 1-Y 900</b>	TYPE GEOPHONE <b>ETLEVA 22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8 ms Sample Rate / 52 sec Record Length</b>		OBSERVER <b>R. Patten M. Richey</b>		PARTY MGR. <b>L. Davis.</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>Kern</b>	DATE <b>3-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	569	534	539-634	37	4	missed Sweep	722	OUT	IN	50%	
2	570	535	540-635	38						50%	Blasting in AREA
3	571	536	541-636	39						50%	
4	572	537	542-637	40						50%	
5	573	538	543-638	41						50%	
6	574	539	544-639	42						50%	
7	575	540	545-640	43						50%	
8	576	541	546-641	44						50%	
9	577	542	547-642	45						50%	
10	578	543	548-643	46			722			50%	E.O.T # 722, TAPE MKTS.
11	579	544	549-644	47	wind strip		723			60%	B.O.T # 723, 900 10sec ALL ONES.
12	580	544	549-644	47						50%	
13	581	545	550-645	48						50%	
14	582	546	551-646	49						50%	
15	583	547	552-647	31						50%	Recorder moved UP at 593-594
16	584	548	553-648	32						50%	STACKED LAST HALF Due to WATER PIPE LINE
17	585	549	554-649	33						50%	
18	586	550	555-650	34						50%	
19	587	551	556-651	35						50%	
20	588	552	557-652	36						50%	
21	589	553	558-653	37						50%	
22	590	554	559-654	38						50%	
23	591	555	560-655	39			723			50%	E.O.T # 723 TAPE MKTS
24	592	556	561-656	40	wind strip		724			60%	B.O.T # 724, 900 10sec ALL ONES
25	593	556	561-656	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	594	557	562-657	41	4	<i>missed sweep</i> 724	OUT	IN	509	
2	595	558	563-658	42					508	
3	596	559	564-659	43					508	
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.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>Kern</b>	DATE <b>3-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>3</b>	

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	Pulse	1-6sec			missed sweep	724	011T	IN		Recorder set at 620-621
2	EINT	2-11 "								STA#589 OPEN Due to Drive way.
3	D.R.D	4-11 "								Vib #14256 Down, NEW Pad Being put on.
4	sum test	2-11 "								
5	N.R.S. test	2-11 "								
6	932 SIMILARITY	1-32sec	217	4						30%
7	597 WIND strip	1-52sec	17							66Db
8	598 560	565-660	17	4						50%
9	599 561	566-661	18							50%
10	600 562	567-662	19							50%
11	601 563	568-663	20							50%
12	602 564	569-664	21			724				50% F.O. + #724, TAPE MKTS.
13	603 565	570-665	22		wind strip	725				66Db B.O. + #725, 900 10sec ALL ONES.
14	604 565	570-665	22							50%
15	605 566	571-666	23							50%
16	606 567	572-667	24							50%
17	607 568	573-668	25							50%
18	608 569	574-669	26							50%
19	609 570	575-670	27							50%
20	610 571	576-671	28							50%
21	611 572	577-672	29							50%
22	612 573	578-673	30							50%
23	613 574	579-674	31							50%
24	614 575	580-675	32							50%
25	615 576	581-676	33			725				50% E.O. + #725, TAPE MKTS

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 32Hz/32sec	SWEEP PATTERN 4/63	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 E+LFEV22B	FREQUENCY 7.5HZ
REMARKS 8ms SAMPLE RATE/52sec Record Len	OBSERVER R. PATTON/M. RICHEY	STATION INTERVAL 330'	LINE DIR. 1 TO 24 N>S	PARTY MGR. L. DAVIS

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>3-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	616	577	582-677	34	MISSING	726	OUT	IN	66Db	B.O.T #726, 900 10sec All ones.
2	617	577	582-677	34	4				50%	
3	618	578	583-678	35					50%	
4	619	579	584-679	36					50%	
5	620	580	585-680	37					50%	
6	621	581	586-681	38					50%	
7	622	582	587-682	39					50%	
8	623	583	588-683	40					50%	
9	624	584	589-684	41					50%	
10	625	585	590-685	42					50%	
11	626	586	591-686	43					50%	
12	627	587	592-687	44					50%	
13	628	588	593-688	45		726			50%	E.O.T #726 TAPE MKTS
14	629	589	594-689	46	WIND STOP	727			70Db	B.O.T #727, 900 10sec All ones.
15	630	589	594-689	46					50%	
16	631	590	595-690	47					50%	
17	632	591	596-691	48					50%	
18	633	592	597-692	49					50%	
19	634	593	598-693	34					50%	RECORDER moved UP 636-637
20	635	594	599-694	35					50%	
21	636	595	600-695	36					50%	
22	637	596	601-696	37					50%	
23	638	597	602-697	38					50%	
24	639	598	603-698	39					50%	
25	640	599	604-699	40					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>3-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	600	605-700	41	4	strip	727	OUT	IN	50%	E.O. #727, TAPE MKTS.
2	601	606-701	42		strip	728			70%	B.O. #728, 900 10sec ALL ONES.
3	601	606-701	42						50%	
4	602	607-702	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.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>3-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>3</b>	

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	Pulse	1-6sec			Missed Sweep	728	OUT	IN		RECORDER SET AT 668-669
2	EINT	2-11 "								Vib # 14256 Down, NEW PAD Leg Being Put on.
3	D.R.D	4-11 "								
4	SUM test	2-11 "								
5	N.R.J test	2-11 "								
6	932 SIMILARITY	1-32sec	217	4					30%	
7	645 WINDSTRIP	1-52sec	12						66Db	
8	646 603	608-703	12	4					50%	
9	647 604	609-704	13						50%	
10	648 605	610-705	14						50%	
11	649 606	611-706	15						50%	
12	650 607	612-707	16						50%	
13	651 608	613-708	17						50%	
14	652 609	614-709	18			728			50%	E.O. #728, TAPE MKTS
15	653 610	615-710	19	WIND strip		729			66Db	B.O. #729, 900 msec ALLONES.
16	654 610	615-710	19						50%	
17	655 611	616-711	20						50%	
18	656 612	617-712	21						50%	BLASTING IN AREA
19	657 613	618-713	22						50%	
20	658 614	619-714	23						50%	
21	659 615	620-715	24						50%	
22	660 616	621-716	25						50%	
23	661 617	622-717	26						50%	
24	662 618	623-718	27						50%	
25	663 619	624-719	28						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 32Hz/32sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-11005 1-1900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/52sec Record	OBSERVER R. PATTON	PARTY MGR. M. Richey	LINE DIR. N=5	PARTY MGR. L. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>Kern</b>	DATE <b>3-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road.</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	620	625-720	29	4	Missed Sweep	729	Out	IN	50%	
2	621	626-721	30		1	729			50%	E.O.+*729 TAPE MKTS
3	622	627-722	31	wind	strip	730			70%	B.O.+*730, 900 msec All ones.
4	622	627-722	31						50%	
5	623	628-723	32						50%	
6	624	629-724	33						50%	
7	625	630-725	34						50%	
8	626	631-726	35						50%	
9	627	632-727	36						50%	
10	628	633-728	37						50%	
11	629	634-729	38						50%	
12	630	635-730	39						50%	
13	631	636-731	40						50%	
14	632	637-732	41						50%	
15	633	638-733	42			730			50%	E.O.+*730, TAPE MKTS.
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern Calif</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>3-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly cloudy &amp; windy</b>		LINE NO. <b>3</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	Pulse	1-6sec			<del>missed Sweep</del>	732	OLT	IN		B.O.T #732, 900 10sec All ONES.
2	EINT	2-11"								Recorder SET AT 700-701
3	D.R.D	4-11"								
4	Sum test	2-11"								
5	N.R. 3 test	2-11"								
6	932 SIMILARITY	1-32sec	217	4					30%	
7	679 WINDSTRIP	1-52sec	11						70%	
8	634	639-734	11	4					50%	
9	635	640-735	12						50%	
10	636	641-736	13						50%	
11	637	642-737	14						50%	
12	638	643-738	15						50%	
13	639	644-739	16						50%	
14	640	645-740	17						50%	
15	641	646-741	18						50%	
16	642	647-742	19						50%	
17	643	648-743	20			732			50%	F.O.T #732, TAPE MKTS.
18	644	649-744	21	wind strip		733			60%	B.O.T #733, 900 10sec All ONES.
19	644	649-749	21						50%	
20	645	650-745	22						50%	
21	646	651-746	23						50%	
22	647	652-747	24						50%	
23	648	653-748	25						50%	
24	649	654-749	26						50%	
25	650	655-750	27						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec		SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V 1100 1-V 900	TYPE GEOPHONE ETLEV 22R	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER K. Patton / M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly cloudy + windy</b>	LINE NO. <b>3</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	698	656-751	28	4		733	OUT	IN	50 <sup>2</sup>	
2	699	657-752	29						50 <sup>2</sup>	
3	700	658-753	30						50 <sup>2</sup>	
4	701	659-754	31						50 <sup>2</sup>	
5	702	660-755	32			733			50 <sup>2</sup>	E.O.T #733, TAPE MKTS
6	703	661-756	33		wind strip	734			60db	B.O.T #734, 900 10sec ALL ONES
7	704	661-756	33						50 <sup>2</sup>	
8	705	662-757	34						50 <sup>2</sup>	
9	706	663-758	35						50 <sup>2</sup>	
10	707	664-759	36						50 <sup>2</sup>	
11	708	665-760	37						50 <sup>2</sup>	
12	709	666-761	38						50 <sup>2</sup>	
13	710	667-762	39						50 <sup>2</sup>	
14	711	668-763	40						50 <sup>2</sup>	
15	712	669-764	41						50 <sup>2</sup>	
16	713	670-765	42						50 <sup>2</sup>	
17	714	671-766	43			734			50 <sup>2</sup>	E.O.T #734, TAPE MKTS.
18	715	672-767	44		wind strip	735			70db	B.O.T #735, 900 10sec ALL ONES
19	716	672-767	44						50 <sup>2</sup>	
20	717	673-768	45						50 <sup>2</sup>	
21	718	674-769	46						50 <sup>2</sup>	
22	719	675-770	47						50 <sup>2</sup>	
23	720	676-771	48						50 <sup>2</sup>	
24	721	677-772	49						50 <sup>2</sup>	
25	722	678-773	38		1				50 <sup>2</sup>	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>Kern</b>	DATE <b>3-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

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	674	679-774	39	4	MISC SWEEP	735	OUT	IN	502	
2	675	680-775	40						502	
3	676	681-776	41						502	
4	677	682-777	42			735			502	E.O. + #735, TAPE MKTS
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.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CAIF</b>	COUNTY <b>Kern</b>	DATE <b>3-9-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

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	Pulse	1-6sec			Mixed Sweep	736	OUT	IN		B.O.T #736, 900 10sec All ONES
2	E1X1	2- " "								Recorder SET AT 754-755
3	D.R.D	4- " "								STA# 805 OPEN Due to HI-WAY
4	SUM test	2- " "								
5	N.R.J test	2- " "								LOTS OF TRAFFIC AT BEGIN OF LINE.
6	932 SIMILARITY	1-32sec	217	5						30%
7	727 WIND STOP	1-52sec	1							66Db
8	728 678	683-778	1	5	2					50%
9	729 679	684-779	2		2					50%
10	730 680	685-780	3							50%
11	731 681	686-781	4							50%
12	732 682	687-782	5							50%
13	733 683	688-783	6							50%
14	734 684	689-784	7							50%
15	735 685	690-785	8							50%
16	736 686	691-786	9							50%
17	737 687	692-787	10			736				50% F.O.T #736 TAPE MKTS.
18	738 688	693-788	11		WIND STOP	737				66Db B.O.T #737, 900 10sec All ONES.
19	739 688	693-788	11							50%
20	740 689	694-789	12							50%
21	741 690	695-790	13							50%
22	742 691	696-791	14							50% Blasting IN Area From Mines.
23	743 692	697-792	15		1					50%
24	744 693	698-793	16							50%
25	745 694	699-794	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32sec		SWEEP PATTERN 4/63	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 ETVEL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52sec Record Len		OBSERVER R. PATTON / M. Richey		PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>		AREA <b>Southern California</b>		STATE <b>California</b>		COUNTY <b>Kern</b>		DATE <b>3-9-82</b>			
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road</b>		WEATHER <b>Clear</b>		LINE NO. <b>3</b>					
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	746	695	700-795	18	5		737	OUT	IN	50%	
2	747	696	701-796	19						50%	
3	748	697	702-797	20						50%	
4	749	698	703-798	21						50%	
5	750	699	704-799	22	1	737				50%	EOT * 737 Tape MKTs.
6	751	700	705-800	23	wind strip	738				66db	Bot * 738 * 900 10 sec All ones.
7	752	700	705-800	23						50%	
8	753	701	706-801	24						50%	
9	754	702	707-802	25						50%	
10	755	703	708-803	26						50%	
11	756	704	709-804	27						50%	
12	757	705	710-805	28						50%	
13	758	706	711-806	29						50%	
14	759	707	712-807	30						50%	
15	760	708	713-808	31						50%	
16	761	709	714-809	32						50%	
17	762	710	715-810	33						50%	
18	763	711	716-811	34		738				50%	E.O.T * 738 TAPE MKTS
19	764	712	717-812	35		739				66db	B.O.T * 739, 900 10sec ALL ONES
20	765	712	717-812	35						50%	
21	766	713	718-813	36						50%	
22	767	714	719-814	37						50%	
23	768	715	720-815	38						50%	
24	769	716	721-816	39						50%	
25	770	717	722-817	40						50%	
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS		OBSERVER		PARTY MGR.							

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-9-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>3</b>

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	718	723-818	41	5	<i>missed Sweep</i>	739	OUT	IN	50%	
2	719	724-819	42						50%	
3	720	725-820	43						50%	
4	721	726-821	44						50%	
5	722	727-822	45			739			50%	E.O.T #739 TAPE MKTS
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.**

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>cloudy - WINDY</b>		LINE NO. <b>3</b>

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	Pulse	1-6sec			<del>MISTAKEN SWEEP</del>	740	OUT	IN		Recorder SET AT 798-799 B.O.T #740,900 10sec ALL ONE'S
2	FINT	2- " "								
3	D.R.D	4- " "								
4	SUM test	2- " "								
5	N.R.J test	2- " "								
6	932 SIMILARITY	1-32sec	217	5						30%
7	776 WIND STRIP	1-52sec	2							66Db
8	777 723	728-823	2	5	1					50%
9	778 724	729-824	3		2					50%
10	779 725	730-825	4							50%
11	SKIP 726	731-826	5							SKIP Due to cross country.
12	SKIP 727	732-827	6							SKIP " " " "
13	SKIP 728	733-828	7							SKIP " " " " thunder and lightning in Area
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 <b>8-32Hz/32sec</b>		SWEEP PATTERN <b>4/63</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     X     </b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-V11005 1-1900</b>	TYPE GEOPHONE <b>ETZV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/52sec Record Len</b>			OBSERVER <b>R. PATTON/M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCOPP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweep	740	OUT	IN		RECORDER SET AT 804-805
2	<del>934</del> 935 EINT	2 - " "								STA#805 OPEN DUE TO DRIVEWAY
3	<del>939</del> 939 DRD	4 - " "								
4	<del>953</del> 954 Sum TEST	2 - " "								
5	<del>960</del> 961 NRT TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5						30%
7	780 Wind strip	1 - 52 sec	2							66Db
8	781 729	734-829	2	5	1					50%
9	782 730	735-830	3							50%
10	783 731	736-831	4		1					50%
11	784 732	737-832	5			740				50% E.O. + #740, TAPE MKTS.
12	785 733	738-833	6			741				66Db B.O. + #741, 900 10sec ALL ONES.
13	786 733	738-833	6							50%
14	787 734	739-834	7							50%
15	788 735	740-835	8							50%
16	789 748	753-848	21							50% STA#736-747 SKIP Due to cross country
17	790 749	754-849	22							30% Vib WENT 30%, ON BLACK TOP ROAD.
18	791 750	755-850	23							30%
19	792 751	756-851	24							30%
20	793 752	757-852	25							30%
21	794 753	758-853	26							30%
22	795 754	759-854	27							30%
23	796 755	760-855	28							30%
24	797 756	761-856	29							30%
25	798 757	762-857	30			741				30% E.O. + #741, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec Sweep		SWEEP PATTERN 4163		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-x 1100s 1-x 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length.			OBSERVER K. Patten / M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; BLACK TOP</b>	WEATHER <b>clear - windy</b>		LINE NO. <b>3</b>

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	799	758	763-858	31	wind strip	742	OUT	IN	66db	B.O.T #742, 900 10sec ALL ONES.
2	SKIP	758	763-858	31						SKIP Due to HI-WAY.
3	800	759	764-859	32					30%	
4	801	760	765-860	33					30%	
5	802	761	766-861	34					30%	WINDS PICKING UP.
6	803	762	767-862	35					30%	
7	804	763	768-863	36					30%	
8	805	764	769-864	37					30%	
9	806	765	770-865	38					30%	STACKED 1st HALF, Due to HOUSE.
10	SKIP	766	771-866	39					SKIP	Due to HOUSE
11	807	767	772-867	40					30%	STACKED LAST HALF.
12	808	768	773-868	41					30%	
13	809	769	774-869	42					30%	
14	810	770	775-870	43					30%	
15	811	771	776-871	44		742			30%	E.O. + #742, TAPE MKTS.
16	812	772	777-872	45	wind strip	743			66db	B.O.T #743, 900 10sec ALL ONES.
17	813	772	777-872	45					30%	
18	814	773	778-873	46					30%	
19	815	774	779-874	47					30%	WINDS PICKING UP.
20	816	775	780-875	48					30%	
21	817	776	781-876	49	5				30%	
22	818	777	782-877	42	4				30%	Recorder moved UP 812-813
23	819	778	783-878	43					30%	Vib #16344 Down, PAD BOLDS BEING REPLACE
24	SKIP	779	784-879	44					SKIP	Due to HOUSE.
25	SKIP	780	785-880	45					SKIP	" " "

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIF</b>	STATE <b>CALIF</b>	COUNTY <b> Kern</b>	DATE <b>3-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; BLACKTOP</b>	WEATHER <b>Clear &amp; WINDY</b>		LINE NO. <b>3</b>

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	781	786-881	46	5		743	OUT	IN		Vib# 16344 BACK IN.
2										
3										
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.**

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CLIENT <b>COLCORP</b>	AREA <i>Southern California</i>	STATE <i>CAIF</i>	COUNTY <i>Kern</i>	DATE <i>3-14-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>BLACK TOP - DIRT SHOULDER</i>	WEATHER <i>Cloudy - light RAIN + WINDY</i>		LINE NO. <i>3</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			<i>missed</i>	<i>743</i>	OUT	IN		Recorder SET AT 858-859
2	<del>934</del> 935 FINT	2-11"								STA# 805 OPEN Due to DRIVE-WAY
3	<del>936</del> 939 D.P.D	4-11"								
4	<del>953</del> 954 SUM test	2-11"								
5	<del>960</del> 961 N.R.5 test	2-11"								
6	932 SIMILARITY	1-32sec	217	5		743			30%	EOT #743 TAPE MCTS.
7	821 WINDSHIP	1-52sec	1			744			66db	BOT #744 #900 10 sec All ones.
8	822 782	787-882	1	5					50%	Cloudy and light RAIN.
9	823 783	788-883	2						50%	RAIN PICKING UP, STANDING BY
10	824 784	789-884	3						50%	GOING BACK TO WORK,
11	825 785	790-885	4						50%	Vib's MOVED to shoulder.
12	SKIP 786	791-886	5							SKIP WINDS PICKING UP. Clouds moving in.
13	SKIP 787	792-887	6							SKIP Due to HOUSE.
14	826 788	793-888	7						50%	STACKED LAST HALF.
15	827 789	794-889	8						50%	
16	828 790	795-890	9						50%	STACKED 1st HALF, LIGHT RAIN
17	SKIP 791	796-891	10							SKIP Due to HOUSE.
18	829 792	797-892	11						30%	RAIN PICKING UP. STANDING BY.
19	830 793	798-893	12						30%	
20	831 794	799-894	13						30%	
21	SKIP 795	800-895	14							SKIP Due to HOUSE.
22	SKIP 796	801-896	15							SKIP " " "
23	SKIP 797	802-897	16							SKIP " " "
24	SKIP 798	803-898	17							SKIP " " "
25	SKIP 799	804-899	18							SKIP " " "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8732Hz/32sec</i>		SWEEP PATTERN <i>4/63</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i>     </i>
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-1100's 1-1900</i>	TYPE GEOPHONE <i>E TEV 22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE/52sec Record</i>			OBSERVER <i>R. PATTON, M. Richey</i>	PARTY MGR. <i>L. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <i>COCORP</i>	AREA <i>Southern California</i>	STATE <i>CAIF</i>	COUNTY <i>Kern</i>	DATE <i>3-14-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Shoulder</i>	WEATHER <i>cloudy * light RAIN * WINDY</i>		LINE NO. <i>3</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	SKIP 800	805-900	19		<i>MISSING SWEEP</i>	<i>744</i>	<i>OUT</i>	<i>IN</i>	<i>SKIP</i>	<i>Due to HOUSE</i>
2	SKIP 801	806-901	20						<i>SKIP</i>	<i>" " "</i>
3	<i>832</i> 802	807-902	21	4					<i>308</i>	<i>Vib # 16344 Down, Fixing PAD BOT'S.</i>
4	SKIP 803	808-903	22						<i>SKIP</i>	<i>light RAIN PICKING UP AGAIN. Due to HOUSE</i>
5	<i>833</i> 804	809-904	23	5		<i>744</i>			<i>308</i>	<i>Vib # 16344 BACK IN. STACKED LAST HALF.</i>
6										<i>E.O.T # 744, TAPE MKTS</i>
7										<i>Begin to RAIN HARD, STOP For the DAY</i>
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Kern</b>	DATE <b>3-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy + Windy</b>		LINE NO. <b>3</b>

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			missed sweep	745	OUT	IN		B.O. + #745, 900 10sec ALL ONES
2	934/935 EINT	2 - " "								Recorder SET AT 858-859
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	960/961 NR5 TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5						30%
7	834 Wind Strip	1 - 52 sec	24							66Db
8	835 805	810-905	24	4	1					50%
9	836 806	811-906	25							50%
10	837 807	812-907	26							50%
11	838 808	813-908	27	5						50%
12	839 809	814-909	28							50%
13	840 810	815-910	29							50%
14	841 811	816-911	30							50%
15	842 812	817-912	31							50%
16	843 813	818-913	32							50%
17	844 814	819-914	33			745				50% VIBS MOVED ON DIRT ROAD FROM SHOULDER.
18	845 815	820-915	34		wind strip	746				50% E.O. + #745, TAPE MKT
19	846 815	820-915	34							66Db B.O. + #746, 900 10sec ALL ONES
20										50% AIR Force testing IN AREA, HAVE TO STOP
21										For the DAY, DANGEROUS. AREA BLASTING
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-γ 11003 1-γ 910	
REMARKS 8ms Sample Rate / 52sec Record Length		TYPE GEOPHONE ETLEV22B		FREQUENCY 7.5Hz	
OBSERVER K. Patton M. Richey		PARTY MGR. L. Davis		STATION INTERVAL 330'	
				LINE DIR. 1 TO 24 N → S	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Keyn</b>	DATE <b>3-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly cloudy + windy</b>		LINE NO. <b>3</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweeps	746	OUT	IN		Recorder SET AT 891-892
2	934/935 FINT	2 - " "								
3	936/939 DRD	4 - " "								
4	937/934 Sum TEST	2 - " "								
5	960/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4					30%	Vib #23651 Down, Replace holes ON BACK.
7	847 Wind strip	1 - 52 sec	2						70db	
8	848 816	821-916	2	4					50%	
9	849 817	822-917	3						50%	
10	850 818	823-918	4						50%	
11	851 819	824-919	5						50%	
12	852 820	825-920	6						50%	
13	853 821	826-921	7						50%	
14	854 822	827-922	8						50%	light RAIN Begin to Fall
15	855 823	828-923	9			746			50%	E.O. + #746, TAPE MKTS
16	856 824	829-924	10		wind strip	747			70db	B.O. + #747, 900 10sec ALL ONES.
17	857 824	829-924	10						50%	
18	858 825	830-925	11						50%	
19	859 826	831-926	12						50%	RAIN Begin to Fall Harder.
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-γ 1100 1-γ 900	TYPE GEOPHONE ET LEV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten	PARTY MGR. M. Richey			LINE DIR. 1 TO 24 N → S

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>3</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			Missed Sweep	747	OUT	IN		Recorder SET AT 903-904
2	<del>934</del> 935 EINT	2-11"								
3	<del>936</del> 939 D.R.D	4-11"								
4	<del>933</del> 934 SUM test	2-11"								
5	<del>930</del> 931 N.R.S test	2-11"								
6	932 SIMILARITY	1-32sec	217	4					30%	Vib # 23651 Down, Pump Being Replace
7	860 WINDSTRIP	1-52sec	1						66%	
8	861 827	832-927	1	4					50%	
9	862 828	833-928	2						50%	
10	863 829	834-929	3						50%	
11	864 830	835-930	4						50%	
12	865 831	836-931	5						50%	
13	866 832	837-932	6			747			50%	F.O.T # 747 TAPE MRS
14	867 833	838-933	7		WIND strip	748			66%	R.O.T # 748, 900 10sec All ones.
15	868 833	838-933	7						50%	
16	869 834	839-934	8						50%	
17	870 835	840-935	9						50%	
18	871 836	841-936	10						50%	
19	872 837	842-937	11						50%	
20	873 838	843-938	12						50%	
21	874 839	844-939	13						50%	
22	875 840	845-940	14						50%	
23	876 841	846-941	15						50%	
24	877 842	847-942	16						50%	
25	878 843	848-943	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/32sec		SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11003 1-V900	TYPE GEOPHONE E TEL 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/52sec Record Length			OBSERVER M. Richey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>KERN</b>	DATE <b>3-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	879	849-944	18	4	missed sweep	748	OUT	IN	50%	E.O. + #748, TAPE MKTS.
2	880	850-945	19	wind	strip	749			66db	B.O. + #749, 900 10sec ALL ONES.
3	881	850-945	19						50%	
4	882	851-946	20						50%	
5	883	852-947	21						50%	
6	884	853-948	22						50%	
7	885	854-949	23						50%	
8	886	855-950	24						50%	
9	887	856-951	25						50%	BLASTING IN AREA.
10	888	857-952	26						50%	
11	889	858-953	27						50%	
12	890	859-954	28						50%	
13	891	860-955	29						50%	
14	892	861-956	30			749			50%	E.O. + #749, TAPE MKTS
15	893	862-957	31	wind	strip	750			66db	B.O. + #750, 900 10sec ALL ONES
16	894	862-957	31						50%	
17	895	863-958	32						50%	
18	896	864-959	33		3				50%	
19	897	865-960	34						50%	
20	898	866-961	35						50%	
21	899	867-962	36						50%	
22	900	868-963	37						50%	
23	SKIP	864	38						SKIP	STA*864-867 SKIP Due to steam, END OF
24	SKIP	865	39						SKIP	Road,
25	SKIP	866	40						SKIP	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Kern</b>	DATE <b>3-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. # <b>3</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	SKIP 867	872-967	41	4	MISS ON Sweep	750	OUT	IN	SKIP	E.O.T * 750, TAPE MKTS E.O.L # 3 STACKED ON LAST HALF.
2	901 868	873-968	42		1	750			50%	
3										
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		LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.			