

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>CALIFORNIA</b>	STATE <b>CALIFORNIA</b>	COUNTY <b>L.A.</b>	DATE <b>1-4-82</b>
CREW NO. <b>6834</b>	TERRAIN	WEATHER <b>cloudy</b>		LINE NO. <b>test</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				614	OUT	IN		Recorder set at 140-140'
2	<del>934</del> EINT	2-''''								
3	<del>936</del> D.B.D	4-''''								All jugs Padded
4	<del>953</del> sum test	2-''''								
5	<del>960</del> NRJ test	2-''''								
6	932 similarity	1-32sec		5-						
7	001 WIND strip	1-52sec	12							Sta. #12 off set
8	002 12	110-157 1/2	12	4						50% vib # 14256 Down due to A.T.F. Leak
9	003 61	110-157 1/2	12							50% Sta. #61 off set
10	004 109	110-157 1/2	12	1						50% stacked 1 vib. 4 sweeps
11	005 150 1/2	110-157 1/2	12	1						50% stacked 1 vib. 4 sweeps
12	006 207	110-157 1/2	12	4						50%
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 8 → 32 Hz / 32 sec		SWEEP PATTERN 4/63	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE E+LEV228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE / 52sec Record Length			OBSERVER B. Patton / J. Wingo / M. Bichey	PARTY MGR. L. Davis	

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CLIENT <b>COCORP</b>	AREA <b>California</b>	STATE <b>California</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder</b>	WEATHER <b>Cloudy + Windy</b>		LINE NO. <b>1</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				614	OUT	IN		Recorder set at 140-140 1/2
2	934/935 EINT	2 - " "								
3	936/939 DRD	4 - " "								
4	953/954 SUM TEST	2 - " "								
5	960/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4						30%
7	007 Wind strip	1 - 52 sec	12							
8	008 105	110 - 157 1/2	12	4						50% Vibrs stacked, 8 sweeps
9	009 105	110 - 157 1/2	12			614				50% Vibrs start 100' From Flag, Vibrs Stacked. 3 sweeps. F.D.T
10	011 105	110 - 157 1/2	12			615				50% #614 Tape MKTS B.D.T. #615 #900 10 sec. All ones #010
11	012 105	110 - 157 1/2	12							50% 52 sec. Wind strip. File # 011 Vibrs 82.5' From Flag, 41.25'
12	013 105	110 - 157 1/2	12							50% between Vibrs, 41.25 move up. File # 012 Vibrs 2' in From
13	105	110 - 157 1/2	12							50% Flag, 82' between vib's, 41.5' move up. File # 013 1st vib
14										155' in Front of Flag, 200' between vib's, 41.25 move up
15										File # 014 1st vib 70' behind Flag, 50' between vib's,
16										41.25 move up
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>8-9 32 Hz / 32 sec</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>4-1 1100s 1-1 900</b>	TYPE GEOPHONE <b>FTLE 22B</b>	FREQUENCY <b>75 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8 ms Sample Rate 52 sec Record Length</b>			OBSERVER <b>K. Patten</b>	PARTY MGR. <b>J. Wings</b>	

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CLIENT <b>COCORP</b>	AREA <b>California</b>	STATE <b>California</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road Shoulder</b>	WEATHER <b>Partly cloudy + windy</b>	LINE NO. <b>1</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 sweeps	615	OUT	IN		Recorder set AT 121-122
2	934/935 FINT	2 - " "								STA 108 open Due TO Drive way
3	936/939 DRD	4 - " "								
4	953/954 Sum Test	2 - " "								
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5					30%	
7	015 Wind Strip	1 - 52 sec	17							5 STATION OFFSET
8	016 61	66-161	17	5					50%	Vibs huddled together NO move up 5 station offset.
9	017 61	66-161	17						50%	5 Vibs 50' APART 41.25' move up 8 sweeps 1st vib 44'
10	018 62	67-162	18						50%	From Flag.
11	019 63	68-163	19			615			50%	
12	020 64	68-163	19			616			50%	4 STATION OFFSET. EOT * 615 Tape MKTS
13	022 65	68-163	19						50%	3 STATION OFFSET. Bot * 616 * 900 10 sec Allowance
14	023 63	71-166	22						50%	*021 52 sec wind strip. UP * 63 Reshock 8 STATION OFFSET.
15	024 66	71-166	22		1				50%	Back TO 5 STATION OFFSET.
16	025 67	72-167	23						50%	dumped sum * 1
17	026 67	72-167	23						50%	dumped sum * 4
18	027 67	72-167	23						50%	dumped sum * 8
19	028 68	73-168	24						25%	dumped sum * 1
20	029 68	73-168	24						25%	dumped sum * 4
21	030 68	73-168	24						25%	dumped sum * 8
22	031 69	74-169	25						75%	dumped sum * 1
23	032 69	74-169	25						75%	dumped sum * 4
24	033 69	74-169	25			616			75%	dumped sum * 8 EOT * 616 Tape MKTS
25	SKIP 70	75-170	26			617			SKIP	Due TO waterwell Bot * 617 * 900 10 sec Allowance * 034 52 sec wind strip

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 11005 1-Y 900	TYPE GEOPHONE FTL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length		OBSERVER R. Patten		PARTY MGR. L. Davis	

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CLIENT <b>COCORP</b>	AREA <b>California</b>	STATE <b>California</b>	COUNTY <b>Los County</b>	DATE <b>1-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</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	035	71	76-171	27	4	1	617	OUT	IN	90%	dumped sum #1. BOT # 617. Vib # 16344 Down-
2	036	71	76-171	27						90%	dumped sum # 4. Bad oil leak.
3	037	71	76-171	27						90%	dumped sum # 8.
4	SKIP	72	77-172	28						SKIP	Due TO water well
5	038	73	78-173	29						50%	stacked 1st half. Back TO 50% Drive. Normal 8 sweeps
6	SKIP	74	79-174	30						SKIP	Due TO water well.
7	039	75	80-175	31						50%	
8	040	76	81-176	32						50%	stacked last half due TO water well.
9	041	77	82-177	33						50%	
10	042	78	83-178	34						50%	
11	043	79	84-179	35						50%	
12	044	80	85-180	36						50%	
13	045	81	86-181	37						50%	
14	046	82	87-182	38			617			50%	For # 617 Tape MKTs.
15	048	83	88-183	39	1		618			50%	Bot # 618 #900 10 sec All ones #047 50 sec windstrip.
16											
17											Finished For The Day
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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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</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	619	OUT	IN		Recorder set at 121-122
2	934/935	EINT	2- " "							
3	936/939	DRD	4- " "							
4	953/954	Sum Test	2- " "							
5	964/961	NR TEST	2- " "							
6	932	Similarity	1-32 sec	217	4					30%
7	051	Windstrip	1-52 sec	42						
8	052	86	91-186	42	4					75%
9	053	87	92-187	43						75%
10	054	88	93-188	44						70%
11	055	89	94-189	45						50%
12	056	90	95-190	46						50%
13	057	91	96-191	47						50%
14	Skip	92	97-192	48						50%
15	058	93	98-193	49		619				50%
16	060	94	99-194	31		620				50%
17	Skip	95	100-195	32						50%
18	Skip	96	101-196	33						50%
19	061	97	102-197	34						50%
20	062	98	103-198	35						50%
21	063	99	104-199	36						50%
22	064	100	105-200	37						50%
23	065	101	106-201	38						50%
24	066	102	107-202	39						50%
25	067	103	108-203	40						50%

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 4-1100s 1-1900	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton / G. Wings.	PARTY MGR. L. Davis	

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CLIENT <i>CDCORP</i>	AREA <i>Southern California</i>	STATE <i>California</i>	COUNTY <i>Los Angeles</i>	DATE <i>1/8/82</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER <i>Clear &amp; Windy</i>		LINE NO. <i>1</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	068	109-204	41	4		620	OUT	IN	50%	
2	069	110-205	42						50%	
3	070	111-206	43						50%	
4	Skip	112-207	44						Skip	due to house.
5	Skip	113-208	45						Skip	" " "
6	Skip	114-209	46						Skip	" " "
7	071	115-210	47			620			50%	E.O.T. #620 Tape MKTS.
8	072	116-211	31			621			50%	B.O.T. #621 #900 10sec. All ones #072 52 sec
9	074	117-212	32						50%	Wind Strip. Moved Recorder to 157-158
10	075	118-213	33						50%	
11	076	119-214	34						50%	stacked 1st half.
12	077	120-215	35						50%	stacked 2nd half.
13	Skip	121-216	36						Skip	due to water well.
14	078	122-217	37						50%	CD P off 1 position.
15	Skip	123-218	38						Skip	due to house.
16	Skip	124-219	39						Skip	" " "
17	079	125-220	40						50%	stacked last half.
18	080	126-221	41						50%	
19	081	127-222	42						50%	
20										
21										
22										
23										
24										
25										

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

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>CALIFORNIA</b>	COUNTY <b>LOS ANGELES</b>	DATE <b>1-12-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road Shoulder</b>	WEATHER <b>Partly Cloudy + Windy</b>		LINE NO. <b>1</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	621	OUT	IN		Recorder set up AT 180-181
2	934/935 FINT	2 - " "								
3	936/939 DRD	4 - " "								
4	953/954 Sum Test	2 - " "								
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5		621			30%	EOT * 621 Tape MKTs
7	082 Wind Strip	1 - 52 sec	20			622			-	Bot * 622 * 900 10 sec All ones Wind Strip 60 Db.
8	083 123	128 - 223	20	4					50%	Vib * 17311 OUT. Tighten pad Bolts.
9	084 124	129 - 224	21	5					50%	Vib * 17311 Back on Line.
10	085 125	130 - 225	22						50%	
11	086 126	131 - 226	23						50%	
12	087 127	132 - 227	24		1				50%	
13	088 128	133 - 228	25						50%	
14	089 129	134 - 229	26						50%	
15	090 130	135 - 230	27						50%	
16	091 131	136 - 231	28		1				50%	
17	092 132	137 - 232	29		1				50%	
18	093 133	138 - 233	30						50%	
19	094 134	139 - 234	31			622			50%	EOT * 622 Tape MKTs
20	095 Skip	140 - 235	32						Skip	Due to water well. UP * 136 Stacked Last half.
21	096 136	141 - 236	33			623			50%	Bot * 623 * 900 10 sec All ones * 095 52 sec wind strip
22	097 137	142 - 237	34						50%	
23	098 138	143 - 238	35						50%	
24	099 139	144 - 239	36						50%	
25	100 140	145 - 240	37						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 
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - 1100s 1 - 900	TYPE GEOPHONE FT LEV 22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length			OBSERVER K. Patton	PARTY MGR. L. Davis	

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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>Los Angeles</b>	DATE <b>1-12-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder</b>	WEATHER <b>Partly Cloudy + Windy</b>		LINE NO. <b>1</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	101	146-241	38	5		623	OUT	IN	50%	Stacked last half due to narrow shoulder.
2	102	147-242	39						50%	
3	103	148-243	40						50%	
4	skip	149-244	41						skip	Due to water well
5	104	150-245	42						50%	Stacked last half
6	105	151-246	43						50%	
7	106	152-247	44						30%	
8	skip	153-248	45						skip	Due to water well
9	skip	154-249	46						skip	" " " " UP # 150 EOT # 623 tape mtrs.
10	107	155-250	47			623			30%	Vibs Shaking on Hwy due to narrow shoulder
11	109	156-251	38		2	624			30%	+ Tumble weeds, BOT # 624 #900 10 sec Allows
12	110	157-252	39						30%	# 108 52 sec wind strip. Moved Recorder to 190-191
13	111	158-253	40						50%	Vibs Back on shoulder.
14	112	159-254	41						50%	
15	113	160-255	42						30%	Vibs Back on Hwy. narrow shoulder.
16	skip	161-256	43		4				skip	Due to water well.
17	skip	162-257	44						skip	" " " "
18	114	163-258	45		2				50%	Vibs Back on shoulder.
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.				



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CLIENT <i>COCORP</i>	AREA <i>Southern California</i>	STATE <i>Calif</i>	COUNTY <i>Los Angeles</i>	DATE <i>1-13-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt shoulder</i>	WEATHER <i>clear &amp; WINDY</i>		LINE NO. <i>1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Sweep Missed	TAPE RL.NO.	FILTER		REMARKS	
							TIME	AMP		
1	176	181-276	45	4	1	625	2:26	2:34	50%	EOT # 625 TAPE MKTS. 8 → 32hz 31.25 A1ais 16 sec swp.
2	177	182-277	46		WIND strip	626	52sec	Rec	60db	B.O.T # 626 900 10sec All ones.
3	177	182-277	46		1		2:42	2:52	50%	8 → 32hz, 31.25 A1ais, 16 sec swp, 16 sums, 36 sec Rec.
4	178	183-278	47				2:53	3:04	50%	move up 20' " " " " " "
5	179	184-279	48		1		3:05	3:16	50%	8 → 32hz, 31.25 A1ais, 20 sec swp, 8 sums, 52 sec Rec.
6	180	185-280	49				3:17	3:25	50%	" " " " " " " "
7	181	186-281	40		2		3:49	4:04	50%	8 → 32hz 31.25 A1ais, 62 sec swp, 8 sums, 84 sec Rec.
8	182	187-282	41			626	4:06	4:18	50%	" " " " " " " "
9	183	188-283	42		WIND strip	627	-	-	60db	UP # 182 EOT # 626 TAPE MKTS, BOT # 627 * 900-
10	183	188-283	42						50%	10 sec All ones. BACK TO 8 → 32hz 32 sec swp.
11	184	189-284	43						50%	8 sums 52 sec Record.
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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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>Calif</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>Partly cloudy</b>	LINE NO. <b>1</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 Sweeps	627	OUT	IN		Recorder set At 246-247
2	934/935 EINT	2-11 "								
3	936/939 D.R.D	4-11 "								
4	953/954 sun test	2-11 "								
5	960/961 NRS test	2-11 "								
6	932 Similarity	1-32sec	217	4					30%	vib #14256 Down, having Rear
7	142 WIND strip	1-52sec	16						60db	
8	143 185	190-285	16	4	1				50%	4 sweeps + 52sec Record
9	144 185	190-285	16						50%	8 sweeps + 52sec Record
10	145 186	191-286	17						50%	4 sweeps
11	146 186	191-286	17						50%	8 sweeps
12	147 187	192-287	18						50%	4 sweeps
13	148 187	192-287	18			627			50%	8 sweeps EOT # 627 Tape MKTs
14	SKIP 188	193-288	19			628			SKIP	Bot # 628 #900 10 sec All ones. Due to WATER
15	149 189	194-289	20		wind strip	628			60db	Well.
16	150 189	194-289	20						50%	4 sweeps
17	151 189	194-289	20						50%	8 sweeps
18	152 190	195-290	21						50%	4 sweeps
19	153 190	195-290	21						50%	8 sweeps
20	154 191	196-291	22						50%	4 sweeps
21	155 191	196-291	22						50%	8 sweeps
22	156 192	197-292	23						50%	4 sweeps
23	157 192	197-292	23						50%	8 sweeps
24	158 193	198-293	24		2				50%	4 sweeps
25	159 193	198-293	24						50%	8 sweeps

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-Y 1100s 1-Y 900	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length	OBSERVER K. Patton	PARTY MGR. L. Davis	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>LOS ANGELES</b>	DATE <b>1-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>Partly cloud</b>	LINE NO. <b>1</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	194	199-294	25	4	Missed Sweep		OUT	IN	50%	4 sweeps
2	194	199-294	25			628			50%	E.O.T #628 TAPE MKTS / 8 sweeps
3	195	200-295	26		WIND strip	629			60db	B.O.T #629 900 10sec ALL ONES
4	195	200-295	26						50%	4 sweeps
5	195	200-295	26						50%	8 sweeps
6	196	201-296	27						50%	Back to Normal 8 sweeps.
7	197	202-297	28						50%	TRAFFIC ON LINE
8	198	203-298	29						50%	
9	199	204-299	30						50%	
10	200	205-300	31						50%	
11	201	206-301	32						50%	
12	202	207-302	33						50%	
13	203	208-303	34						50%	
14	204	209-304	35						50%	
15	205	210-305	36			629			50%	E.O.T #629, TAPE MKTS
16	206	211-306	37		WIND strip	630			60db	B.O.T #630, 900 10sec ALL ONES
17	206	211-306	37						50%	
18	207	212-307	38						50%	
19	208	213-308	39						50%	
20	209	214-309	40						50%	
21	210	215-310	41						50%	
22	211	216-311	42						50%	
23	212	217-312	43						50%	
24	213	218-313	44						50%	
25	214	219-314	45						50%	

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

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DIGITAL VIBROSEIS RECORDER**

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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>Los Angeles</b>	DATE <b>1-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder</b>	WEATHER <b>partly cloud</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	185	215	220-315	46	4	<i>missed sweep</i> 630	OUT	IN	50%	
2	186	216	221-316	47					50%	
3	187	217	222-317	48		630			50%	E.D.T #630 TAPE MKTS
4										
5										
6										
7										
8										
9										
10										
11										
12										
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22										
23										
24										
25										

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24	
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>LOS ANGELES</b>	DATE <b>1-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rolling Hills</b>	WEATHER <b>clear</b>	LINE NO. <b>1</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				631	OUT	IN		Recorder set AT 286-287
2	934 FINT	2-11								Bot # 631 *900 10 sec All ones.
3	936 D.R.D	4-11								
4	953 SUM test	2-11								Lot of Traffic Along Line.
5	960 N.R.S test	2-11								
6	932 SIMILARITY	1-32sec	217	4					30%	Vib # 14256 Down, Rear END FIXED
7	188 WINDstrip	1-52sec	9						60%	
8	189 218	223-318	9	4	1				50%	
9	190 219	224-319	10						50%	
10	191 220	225-320	11						50%	
11	192 221	226-321	12						50%	
12	193 222	227-322	13						50%	
13	194 223	228-323	14						50%	
14	195 224	229-324	15						50%	
15	196 225	230-325	16						50%	
16	197 226	231-326	17						50%	
17	198 227	232-327	18		1	631			50%	E.O.T #631, TAPE MKTS
18	199 228	233-328	19	WIND	strip	632			60%	B.O.T #632, #900 10sec All ones.
19	200 228	233-328	19						50%	
20	201 229	234-329	20						50%	
21	202 230	235-330	21						50%	STA# 330 OPEN, DUE TO DRIVE WAY
22	203 231	236-331	22						50%	
23	204 232	237-332	23						50%	
24	205 233	238-333	24						50%	
25	206 234	239-334	25						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8 &gt; 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 &gt; y1100's 1-4900</b>	TYPE GEOPHONE <b>E+LEK228</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. Bichey</b>	PARTY MGR. <b>L. Davis</b>		

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COLORP</b>	AREA <b>Southern California</b>	STATE <b>CALIF</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder/Rolling Hills</b>	WEATHER <b>clear</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	207	240-335	26	4	MISSED SWEEP	632	OUT	IN	50%	
2	208	241-336	27						50%	
3	209	242-337	28						50%	
4	210	243-338	29						50%	
5	211	244-339	30			632			50%	F.O.T. #632, TAPE MKTS
6	212	245-340	31		wind strip	633			60%	B.O.T #633, 900 10sec ALL ONES
7	213	245-340	31						50%	
8	214	246-341	32						50%	
9	215	247-342	33						50%	
10	216	248-343	34						50%	
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY			SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS						OBSERVER <b>ROATTON / MARK Richey</b>		PARTY MGR. <b>L. DAVIS</b>		LINE DIR. 1 TO 24	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>Southern California</b>	STATE <b>Calif</b>	COUNTY <b>LOS ANGELES</b>	DATE <b>1-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder/Rolling Hills</b>	WEATHER <b>clear</b>	LINE NO. <b>1</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 Sweeps	633	OUT	IN		Recorder set AT 301-302
2	934 EINT	2-11 "								STA 335 open Due to Drive way
3	936 D.R.D	4-11 "								LOT OF TRAFFIC ALONG LINE
4	953 SUMTEST	2-11 "								
5	961 NRJTEST	2-11 "								
6	932 SIMILARITY	1-32sec	217	5						30%
7	217 WIND STRIP	1-52sec	20							60db
8	218 244	249-344	20	4	3					50%
9	219 245	250-345	21		3					50%
10	220 246	251-346	22							50%
11	221 247	252-347	23	5	1					50%
12	222 248	253-348	24			633				50%
13	223 249	254-349	25			634				60db
14	224 249	254-349	25							50%
15	225 250	255-350	26							50%
16	226 251	256-351	27							50%
17	227 252	257-352	28							50%
18	228 253	258-353	29							50%
19										Shutting Down TOOMUCH TRAFFIC NOISE.
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. <b>MDS-10</b>
SWEEP FREQUENCY <b>8-32 Hz / 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-V1100's 1-V900</b>	TYPE GEOPHONE <b>E+FLV22B</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>COCORP</b>	AREA <b>Southern California</b>	STATE <b>California</b>	COUNTY <b>Los Angeles</b>	DATE <b>1-18-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder + Rolling Hills</b>	WEATHER <b>Partly cloudy + windy</b>		LINE NO. <b>1</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							
2	934/935	EINT	2 - " "							Recorder set AT 308-309
3	936/939	DRD	4 - " "							STA # 330 OPEN DUE TO DRIVE WAY.
4	953/954	Sum TEST	2 - " "							
5	960/961	NRT TEST	2 - " "							
6	932	Similarity	1 - 32 sec	217	4					302 Vib # 23651 Down working on Back Engine.
7	229	Windstrip	1 - 52 sec	23						600h
8	230	254	259 - 354	23						502 Wind Gusting 30-35 mph Very Noisy
9										Shutting Down. Also Smog moving IN.
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 8 → 32 Hz / 32 sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4 - Y 11005 1 - Y 900	
REMARKS 8 ms Sample Rate / 52 sec Record Length		TYPE GEOPHONE ETLEV 22B		FREQUENCY 7.5 Hz	
STATION INTERVAL 330'			LINE DIR. 1 TO 24 N → S		
OBSERVER R. Patton				PARTY MGR. L. Davis	

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DIGITAL VIBROSEIS RECORDER**

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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>Los Angeles</b>	DATE <b>1-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt shoulder + Rolling Hills</b>	WEATHER <b>partly cloud + windy</b>	LINE NO. <b>1</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 308-309
2	<del>934</del> <sup>935</sup> FINT	2-11 "								STA # 330 + 360 open due to Drive ways.
3	<del>936</del> <sup>939</sup> D.R.D	4-11 "								LOT OF TRAFFIC ALONG LINE.
4	<del>953</del> <sup>954</sup> SCUM test	2-11 "								
5	<del>960</del> <sup>961</sup> N.R.J. test	2-11 "								
6	932 SIMILARITY	1-32sec	217	5		634			30%	EOT # 634 Tape MKTs.
7	231 Wind strip	1-52sec	24			635			60%	BOT # 635 * 900 10 sec All ones.
8	232 255	260-355	24	5					50%	
9	233 256	261-356	25						50%	
10	234 257	262-357	26						50%	
11	235 258	263-358	27						50%	
12	236 259	264-359	28						50%	STA # 360 OPEN Due to Drive WAY.
13	237 260	265-360	29						50%	
14	238 261	266-361	30						50%	Vibs moved to other side OF Road
15	239 262	267-362	31	4					50%	Vib # 17311 OUT For Repairs STA # 261
16	240 263	268-363	32	5					50%	STA # 262 ON BLACK TOP AT 50% and Vib # 17311
17	241 264	269-364	33						50%	BACK IN.
18	242 265	270-365	34						50%	STACK ON last HALF STA # 265
19	243 266	271-366	35			635			50%	E.O.T # 635 TAPE MKTS
20	244 267	272-367	36		WIND strip	636			60%	B.O.T # 636, 900 10sec, ALL ONES
21	245 267	272-367	36						50%	BACK ON shoulder
22	246 268	273-368	37						50%	
23	247 269	274-369	38						50%	
24	248 270	275-370	39						50%	
25	249 271	276-371	40						50%	

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 4-1100's 1-4900	TYPE GEOPHONE E+EL22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52sec Record Length	OBSERVER B. PATTON / M. RICHEY	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 N → S		

**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>LOS ANGELES</b>	DATE <b>1-19-82</b>
CREW NO. <b>6839</b>	TERRAIN <b>Dirt shoulder &amp; Rolling Hills</b>	WEATHER <b>partly cloud &amp; windy</b>		LINE NO. <b>1</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	272	277-372	41	5	<del>missed sweep</del>	636	OUT	IN	50%	BACK ON BLACK TOP.
2	273	278-373	42		3				50%	
3	274	279-374	43		8				50%	Vibs IN BAND spot not hear tone clearly.
4	275	280-375	44		10				50%	Vibs DOWN IN Valley.
5	276	281-376	45		7				50%	STACKED ON last HALF
6	SKIP	282-377	46						SKIP	Due to NOT hear TONE AT ALL. DOWN IN Valley.
7	278	283-378	47		10				50%	
8	SKIP	284-379	48						SKIP	Due to MOUNTAINS Both SIDE OF VIB NOT GETTING
9	280	285-380	49		10	636			50%	tone. DEAD spot: E.O.T #636 TAPE MKTS E.O.L #1
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. <b>MDS-10</b>	
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 <b>MARK Richey / R. PATTON</b>			PARTY MGR. <b>L. DAVIS</b>		