

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec			MISSED SWEEP	103	OUT	IN		Recorder SET AT 1280-1281
2	934 EINT	2- " "								STA#1221 OPEN, DUE TO HUGE ROCK.
3	935 D.R.D	4- " "								STA#1280 OPEN, DUE TO DRIVE-WAY
4	936 sum test	2- " "								STA#1312 OPEN and STA#1314 OPEN, DUE TO TOWN.
5	937 N.P.S. test	2- " "								5 Vibs 50' spacing 1/4" move UP.
6	932 similarity	1-32sec	217	5					50%	1st Vib -44' Behind FLAG. 8sweep
7	422 WINDstrip	1-48sec	11						66db	
8	423 1317	1219-1314	11	5					20%	
9	424 1318	1220-1315	12						20%	
10	425 1319	1221-1316	13		1				20%	
11	SKIP 1320	1222-1317	14							SKIP Due to HOUSES.
12	426 1321	1223-1318	15			103			20%	E.O.T#103, TAPE MKTS
13	427 1322	1224-1319	16		WINDstrip	104			66db	B.O.T#104, 900 10sec ALL ONES.
14	428 1322	1224-1319	16						20%	
15	429 1323	1225-1320	17						20%	
16	430 1324	1226-1321	18						20%	
17	SKIP 1325	1229-1322	19							SKIP 1325-1332 Due to HOUSES, WATER WELL.
18	431 1333	1235-1330	27						20%	STACKED 1st HALF.
19	SKIP 1334	1336-1331	28							SKIP Due to HOUSE.
20	SKIP 1335	1337-1332	29			104				SKIP Due to HOUSE. E.O.T#104, TAPE MKTS, E.O.L.#7
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz/32sec</b>		SWEEP PATTERN <b>see REMARKS</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>ETELV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample RATE/48sec Record Length</b>			OBSERVER <b>M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 2

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	PULSE	1-6sec			MISSED SWEEP	101	OUT	IN		Recorder SET AT 1252-1253
2	EINT	2-" "								
3	D.R.D	4-" "								3 Vibs 50' spacing 41/4 move UP
4	SUM test	2-" "								1st Vib -44' Behind Flag. 8 sweep.
5	N.P.S test	2-" "								From sta #1206-1214 OPEN, Due to DAM.
6	SIMILARITY	1-32sec	217	5		101			50%	E.O.T #101, TAPE MKTS. / STA #1221 OPEN Due to Hump
7	WIND STRIP	1-48sec	6			102			66db	B.O.T #102, 900 10sec ALL ONES. / ROCK.
8	1284	1186-1281	6	5					20%	STA #1280 OPEN, Due to DRIVE WAY.
9	1285	1187-1282	7		1				20%	lots OF TRAFFIC ALONG LINE.
10	1286	1188-1283	8		1				20%	
11	1287	1189-1284	9						20%	
12	1288	1190-1285	10						20%	
13	1289	1191-1286	11		1				20%	
14	1290	1192-1287	12						20%	
15	1291	1193-1288	13		1				20%	
16	1292	1194-1289	14		1				20%	
17	1293	1195-1290	15		1				20%	
18	1294	1196-1291	16						20%	
19	1295	1197-1292	17			102			20%	E.O.T #102, TAPE MKTS.
20	1296	1198-1293	18		WIND STRIP	103			66db	B.O.T #103, 900 10sec ALL ONES.
21	1296	1198-1293	18						20%	
22	1297	1199-1294	19		1				20%	
23	1298	1200-1295	20						20%	
24	1299	1201-1296	21		2				20%	
25	1300	1202-1297	22		2				20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz/32sec</b>		SWEEP PATTERN <b>See REMARKS</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-V100's 1-V900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample RATE/48sec Record Length</b>			OBSERVER <b>M. Richey</b>	PARTY MGR. <b>L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

CLIENT <b>COCORP</b>		AREA <b>NO. CALIF</b>			STATE <b>CALIF</b>		COUNTY <b>YUBA</b>		DATE <b>9-15-82</b>		
CREW NO. <b>6834</b>		TERRAIN <b>BLACK TOP</b>			WEATHER <b>cloudy</b>				LINE NO. <b>#7</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	421	1301	1203-1298	15	5	103	OUT	IN	20%	Recorder moved up at 1260-1261.	
2	SKIP	1302	1204-1299	16						SKIP Due to HOUSES.	
3	SKIP	1303	1205-1300	17						SKIP " " "	
4	SKIP	1304	1206-1301	18						SKIP " " "	
5	SKIP	1305	1207-1302	19						SKIP Due to TOWN.	
6	SKIP	1306	1208-1303	20						SKIP " " " From STA# 1302-1316. SKIP, Due to TOWN	
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 4

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YULBA</b>	DATE <b>9-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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				099	OUT	IN		Recorder SET AT 1235-1236
2	EINT	2- " "								
3	D.P.D	4- " "								5 Vibs 50' spacing 4 1/4 MOVE UP.
4	SUM test	2- " "								1st Vib -44' Behind FLAG. 8 sweep.
5	N.R. J test	2- " "								4 Vibs 50' spacing 4 1/4 MOVE UP.
6	Similarity	1-32sec	217	5		099			50%	1st Vib -69' Behind FLAG. 8 sweep. E.O.T #099, TAPE MARKS.
7	WINDstrip	1-48sec	1			100			66Db	From sta # 1206-1214 OPEN, Due to DAM, B.O.T. 100.
8	1262	1164-1259	1	5					20%	sta # 1221 OPEN Due to HUGE ROCK.
9	1263	1165-1260	2						20%	
10	1264	1166-1261	3						20%	
11	1265	1167-1262	4						20%	
12	1266	1168-1263	5						20%	
13	1267	1169-1264	6						20%	
14	1268	1170-1265	7						20%	
15	1269	1171-1266	8						20%	
16	1270	1172-1267	9						20%	
17	1271	1173-1268	10						20%	
18	1272	1174-1269	11						20%	
19	1273	1175-1270	12	4	2	100			20%	Vib # 23651 Down, PUMP troubles. E.O.T #100, TAPE MARKS
20	1274	1176-1271	13	windstrip		101			66Db	B.O.T #101, 900 10sec ALL ONES
21	1274	1176-1271	13	5	1				20%	Vib # 23651, BACK ON LINE.
22	1275	1177-1272	14		2				20%	
23	1276	1178-1273	15		1				20%	
24	1277	1179-1274	16		1				20%	
25	1278	1180-1275	17						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz/32sec</b>		SWEEP PATTERN <b>See REMARKS</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>4-1100's 1-1900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5 HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/48sec Record Length</b>			OBSERVER <b>M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. (5)

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
1	397	1279	1181-1276	18	5	Missed Sweep	101	OUT	IN	20%	
2	398	1280	1182-1277	19	2					20%	
3	399	1281	1183-1278	20	1					20%	
4	400	1282	1184-1279	21	1					20%	
5	401	1283	1185-1280	22	2					20%	NOTE: STA # 1280 OPEN DUE TO DRIVEWAY.
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 6

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YULBA</b>	DATE <b>9-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</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>	098	OUT	IN		Recorder set at 1205-1206
2	934 EINT	2-11"								BO + #098, 900 10sec ALLONES.
3	935 D.R.D	4-11"								5 Vibs 50' spacing 4th MOVE UP.
4	936 SUM test	2-11"								1st Vib - 44' Behind Flag. 8 sweep.
5	937 NRS test	2-11"								From STA #1206-1214 OPEN, Due to DAM
6	932 SIMILARITY	1-32sec	217	4					50%	STA #1221 OPEN to HUGE ROCK.
7	357 WINDSTRIP	1-48sec	8						66%	Vib #23651 Down, Pump trouble.
8	358 1239	1141-1236	8	4					20%	
9	359 1240	1142-1237	9						20%	
10	360 1241	1143-1238	10						20%	
11	SKIP 1242	1144-1239	11						SKIP	Due to Road condition.
12	SKIP 1243	1145-1240	12						SKIP	" " "
13	361 1244	1146-1241	13						20%	
14	SKIP 1245	1147-1242	14						SKIP	Due to Road condition.
15	SKIP 1246	1148-1243	15						SKIP	" " " "
16	362 1247	1149-1244	16						20%	
17	363 1248	1150-1245	17						20%	
18	364 1249	1151-1246	18						20%	
19	365 1250	1152-1247	19						20%	
20	366 1251	1153-1248	20		11				20%	
21	367 1252	1154-1249	21			098			20%	E.O + #098 TAPE MKTS
22	368 1253	1155-1250	22		WIND STRIP	099			66%	BO + #099, 900 10sec ALLONES.
23	369 1253	1155-1250	22						20%	
24	370 1254	1156-1251	23						20%	
25	371 1255	1157-1252	24						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz / 32sec</b>		SWEEP PATTERN <b>see REMARKS</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>ETE LV22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 48sec Record Length</b>			OBSERVER <b>M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 7

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YUBA</b>	DATE <b>9-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP</b>	WEATHER <b>clear</b>	LINE NO. <b>#7</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	80 ~	AMP		
1	372	1256	1158-1253	25	4	missed sweep	099	OUT	IN	20%	
2	373	1257	1159-1254	26						20%	
3	374	1258	1160-1255	27						20%	
4	375	1259	1161-1256	28						20%	
5	376	1260	1162-1257	29						20%	
6	377	1261	1163-1258	30						20%	
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YULBA</b>	DATE <b>9-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP &amp; Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>117</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			miss sweep	097	OUT	IN		Recorder SEP At 1182-1183
2	934 EINT	2-" "								B.O.T#097, 900 10sec ALL ONES
3	936 D.R.D	4-" "								5 Vibs 50' spacing 4 1/4 move UP.
4	937 sumtest	2-" "								1st Vib -44' Behind Flag. 8 sweep
5	960 N.R.J-test	2-" "								4 Vibs 50' spacing, 4 1/4 MOVE UP.
6	932 SIMILARITY	1-32sec	217	4						50% 1st Vib -69' Behind Flag. 8 sweep
7	346 WINDSTRIP	1-48sec	8							66% Vib #23651 Down. PUMP trouble.
8	347 1216	1118-1213	8	4						20% STA#1206-1214 OPEN Due to DAM.
9	348 1217	1119-1214	9							20% STA#1221-OPEN Due to Huge ROCK.
10	349 1218	1120-1215	10							20% STACKED LAST HALF
11	350 1219	1121-1216	11							20%
12	SKIP 1220	1122-1217	12							SKIP Due to Road condition. From STA#1220-1231
13	351 1232	1134-1229	24							20%
14	352 1233	1135-1230	25							20%
15	353 1234	1136-1231	26							20%
16	354 1235	1137-1232	27							20%
17	355 1236	1138-1233	28		1					20%
18	356 1237	1139-1234	29		1	097				20% STACKED 1st HALF. E.O.T#097, TAPE MKTS.
19	SKIP 1238	1140-1235	30							SKIP Due to Huge ROCKS.
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 22sec		SWEEP PATTERN See REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-1900	TYPE GEOPHONE ETEL 122B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length			OBSERVER R. PATTON, M. RICHEY	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.** 9

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YUBA</b>	DATE <b>9-9-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt ROAD + BLACK TOP</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</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				094	OUT	IN		Recorder SET AT 1139-1140
2	934 EINT	2- " "								STA #1072 OPEN Due To HWY.
3	935 D.R.D	4- " "								5 Vibs 50' SPACING, 4 1/4 MOVE UP.
4	936 SUM test	2- " "								1st Vibs -44' Behind Flag. 8 sweep.
5	937 N.R. J test	2- " "								4 Vibs 50' SPACING, 4 1/4 MOVE UP.
6	932 Similarity	1-32sec	217	4					50%	1st Vib -69' Behind Flag. 8 sweep.
7	318 WIND strip	1-48sec	4			094			66db	E.O.T #094, TAPE MKT
8	319 1169	1071-1166	4	WIND strip		095			66db	B.O.T #095, 90010sec ALLONES.
9	320 1169	1071-1166	4	4					20%	Vib # 23651 Down won't Pressure UP.
10	321 1170	1072-1167	5						20%	LOT OF TRAFFIC ALONG LINE.
11	322 1171	1073-1168	6						20%	
12	323 1172	1074-1169	7						20%	
13	324 1173	1075-1170	8						20%	
14	325 1174	1076-1171	9						20%	
15	326 1175	1077-1172	10						20%	
16	327 1176	1078-1173	11						20%	
17	328 1177	1079-1174	12						20%	
18	SKIP 1178	1080-1175	13						SKIP	Due to HOUSES
19	SKIP 1179	1081-1176	14						SKIP	" " "
20	SKIP 1180	1082-1177	15						SKIP	" " "
21	SKIP 1181	1083-1178	16						SKIP	" " "
22	SKIP 1182	1084-1179	17						SKIP	" " "
23	SKIP 1183	1085-1180	18						SKIP	" " "
24	SKIP 1184	1086-1181	19						SKIP	" " "
25	SKIP 1185	1087-1182	20						SKIP	" " "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V9100 1-V900	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48 sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. K. DAVIS	LINE DIR. 1 TO 24 E-W

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.** 10

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YUBA</b>	DATE <b>9-9-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP &amp; ROLLING HILLS</b>	WEATHER <b>Clear</b>		LINE NO. <b>#7</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	SKIP	1186	1088-1183	21	4	missed sweep 095	OUT	IN	SKIP	Due to Houses
2	SKIP	1187	1089-1184	22					SKIP	" " "
3	329	1188	1090-1185	23					20%	STACKED LAST HALF.
4	330	1189	1091-1186	24					20%	
5	331	1190	1092-1187	25		095			20%	E.O.T*095, TAPE MKTS
6	332	1191	1093-1188	26		096			60db	B.O.T*096, 900 KSEC ALLOWES.
7	333	1191	1093-1188	26	1				20%	
8	334	1192	1094-1189	27					20%	
9	335	1193	1095-1190	28					20%	
10	336	1194	1096-1191	29					20%	
11	SKIP	1195	1097-1192	30					SKIP	Due to HOUSE.
12	337	1196	1098-1193	31	1				20%	STACKED LAST HALF.
13	338	1197	1099-1194	32					20%	
14	339	1198	1100-1195	33	1				20%	
15	340	1199	1101-1196	34	1				20%	
16	341	1200	1102-1197	35					20%	
17	342	1201	1103-1198	36	1				20%	
18	343	1202	1104-1199	37					20%	
19	344	1203	1105-1200	38					20%	
20	345	1204	1106-1201	39		096			20%	E.O.T*096, TAPE MKTS.
21									SKIP	From STA*1205 to 1215, SKIP Due to DAM.
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCORP</b>	AREA <b>NO. CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>YUBA</b>	DATE <b>9-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP + Rolling Hills</b>	WEATHER <b>clear</b>	LINE NO. <b>47</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			121.55 sec Sweep	092	OUT	IN		Recorder SET AT 1122-1123
2	EINT	2-11"								A LOT OF TRAFFIC ALONG FRONT OF LINE.
3	D.R.D	4-11"								5 Vibs, 50' spacing, 4 1/4 MOVE UP.
4	SUM test	2-11"								1st Vib - 44' Behind FLAG. 8 sweep
5	N.R. J. test	2-11"								4 Vibs 50' spacing, 4 1/4 MOVE UP.
6	932 SIMILARITY	1-32sec	217	4		092			50%	1st Vib - 69' Behind FLAG. 8 sweep. E.O. T#092, T.M.
7	296 WIND strip	1-48sec	240			093			66db	B.O. T#093, 900 10sec All ones.
8	297 1148	1050-1145	240	4					20%	Vib # 23651 DOWN, PUTTING PUMP ON.
9	298 1149	1051-1146	1						20%	STA#1072 OPEN, DUE TO #1-WAY
10	299 1150	1052-1147	2						20%	
11	300 1151	1053-1148	3	5					20%	Vib # 23651, BACK ON LINE.
12	301 1152	1054-1149	4						20%	
13	302 1153	1055-1150	5						20%	
14	303 1154	1056-1151	6						20%	
15	304 1155	1057-1152	7						20%	
16	305 1156	1058-1153	8		1				20%	
17	306 1157	1059-1154	9		1				20%	
18	307 1158	1060-1155	10						20%	
19	SKIP 1159	1061-1156	11						SKIP	Due to house.
20	308 1160	1062-1157	12			093			20%	EOT # 093 TAPE MKTS
21	309 1161	1063-1158	13			094			66db	BOT # 094 * 900 10sec All ones
22	310 1161	1063-1158	13		1				20%	
23	311 1162	1064-1159	14						20%	
24	312 1163	1065-1160	15						20%	
25	313 1164	1066-1161	16						20%	

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

SWEEP FREQUENCY <b>10-32Hz / 32sec</b>	SWEEP PATTERN <b>SEE REMARKS</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-V900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5 HZ</b>
REMARKS <b>8ms sample RATE / 48sec Record Length</b>		OBSERVER <b>M. PATTON, M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

STATION INTERVAL <b>330'</b>	LINE DIR. <b>1 TO 24 E → W</b>
---------------------------------	-----------------------------------

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 12

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>YULBA</b>	DATE <b>9-8-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Black top + Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	80 ~	AMP	
1	314	1165	1067-1162	17	5	094	OUT	IN	20%	
2	315	1166	1068-1163	18					20%	
3	316	1167	1069-1164	19					20%	
4	317	1168	1070-1165	20					20%	
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

B

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec				090	OUT	IN		Recorder SET AT 1091-1092
2	934 EINT	2- " "								STA#1072 OPEN, DUE TO HI-WAY.
3	935 D.R.D	4- " "								5 Vibs 50' SPACING 4 1/4 MOVE UP
4	936 SUMTEST	2- " "								1st Vib -44' Behind FLAG. 8 SWEEP.
5	937 N.R.S test	2- " "								4 Vibs 50' SPACING 4 1/4 MOVE UP.
6	932 Similarity	1-32sec	217	4		090			50%	1st Vib -69' Behind FLAG. 8 SWEEP. E.O.T#092, 200.
7	272 WINDSTRIP	1-48sec	5			091			66%	B.O.T#091, 900 10sec ALL ONES
8	SKIP 1122	1024-1119	5	4						SKIP DUE TO HOUSES, Vib #23651 DOWN, PUMP OUT.
9	273 1123	1025-1120	6						20%	STA#1048-1049 NOSLE, COWS AROUND AREA.
10	274 1124	1026-1121	7						20%	
11	275 1125	1027-1122	8						20%	
12	276 1126	1028-1123	9		1				20%	
13	277 1127	1029-1124	10						20%	STACKED 1st HALF.
14	SKIP 1128	1030-1125	11							SKIP DUE TO HOUSES
15	SKIP 1129	1031-1126	12							SKIP " " "
16	SKIP 1130	1032-1127	13							SKIP " " "
17	278 1131	1033-1128	14		1				20%	STACKED LAST HALF
18	279 1132	1034-1129	15						20%	
19	280 1133	1035-1130	16						20%	
20	281 1134	1036-1131	17						20%	
21	282 1135	1037-1132	18						20%	
22	283 1136	1038-1133	19						20%	
23	284 1137	1039-1134	20			091			20%	E.O.T#091, TAPE MKTS.
24	285 1138	1040-1135	21		WINDSTRIP	092			66%	B.O.T#092, 900 10sec ALL ONES,
25	286 1138	1090-1135	21						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN SEE REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y11001, 1-1900	TYPE GEOPHONE ETELV22R	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length			OBSERVER B. PATTON, M. Richey	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 14

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-7-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP.</b>	WEATHER <b>Clear</b>		LINE NO. <b>27</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	287	1139	1041-1136	22	4	<i>missed sweep</i>	092	004	1N	20%	
2	288	1140	1042-1137	23						20%	
3	289	1141	1043-1138	24						20%	
4	290	1142	1044-1139	25						20%	
5	291	1143	1045-1140	26						20%	
6	292	1144	1046-1141	27						20%	
7	293	1145	1047-1142	28						20%	
8	294	1146	1048-1143	29						20%	
9	295	1147	1049-1144	30						20%	
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 15

CLIENT <b>COCORP</b>	AREA <b>NO. CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Black top</b>	WEATHER <b>clear</b>	LINE NO. <b>#17</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			<del>200%</del>	089	OUT	IN		Recorder SET AT 1065-1066
2	704/935 EINT	2-" "								B.O.T*089, 900 10sec, ALL ONES.
3	836/939 D.R.D	4-" "								5 Vibs, 50' spacing 4 1/4 MOVE UP.
4	153/954 SUM test	2-" "								1st Vib -44' Behind FLAG. 8 sweep.
5	760/961 N.R.J test	2-" "								4 Vibs 50' spacing, 4 1/4 MOVE UP.
6	932 similarity	1-32sec	217	4					50%	1st Vib -69' Behind FLAG. 8 sweep.
7	251 WIND strip	1-48sec	1						66db	Vib #23651 Down, PUMP OUT, ON BACK motor.
8	252 1092	994-1089	1	4					20%	STA#1072 OPEN, Due to HI-WAY.
9	253 1093	995-1090	2						20%	
10	254 1094	996-1091	3						50%	Vibs ON DIRT Road
11	255 1095	997-1092	4						50%	
12	256 1096	998-1093	5						50%	
13	257 1097	999-1094	6						50%	
14	258 1098	1000-1095	7						50%	
15	259 1099	1001-1096	8						50%	
16	260 1100	1002-1097	9						50%	
17	261 1101	1003-1098	10		1	089			50%	E.O.T*089, TAPE MKTS
18	262 1102	1004-1099	11	WIND strip		090			66db	B.O.T*090, 900 10sec, ALL ONES.
19	263 1102	1004-1099	11						50%	
20	264 1103	1005-1100	12		1				50%	
21	265 1104	1006-1101	13						50%	
22	266 1105	1007-1102	14						50%	
23	267 1106	1008-1103	15						50%	
24	268 1107	1009-1104	16						50%	
25	269 1108	1010-1105	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN see REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETE4V22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length			OBSERVER R. PATTON, M. RICHEY	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. (6)

CLIENT <b>COCORP</b>	AREA <b>NO. CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-3-81</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>clear</b>		LINE NO. # <b>7</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	270 1109	1011-1106	18	4	MISSED SWEEP	090	OUT	IN	50%	
2	271 1110	1012-1107	19						50%	
3	SKIP 1111	1013-1108	20						SKIP	Due to town, From 1111-1121 SKIP.
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.** 17

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF.</b>	STATE <b>NO. CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec								Recorder set at 1021-1022
2	934 EINT	2-11 "								B.O.T*087, 900 10sec #11 ONES.
3	936 D.R.D	4-11 "								5 Vib, 4 1/4 move UP. 8 sweep.
4	953 SUMTEST	2-11 "								1st Vib -44' Behind Flag- 50' spacing.
5	960 N.R.-J. test	2-11 "								
6	932 SIMILARITY	1-32sec	217	5						50%
7	229 WINDSTRIIP	1-48sec	8							66Db
8	230 1055	957-1052	8	5						20% STACKED 1st HALF.
9	SKIP 1056	958-1053	9							SKIP Due to HOUSE
10	SKIP 1057	959-1054	10							SKIP Due to "
11	231 1058	960-1055	11							50%
12	232 1059	961-1056	12							50%
13	233 1060	962-1059	13		"					50%
14	234 1061	963-1058	14		1					50%
15	235 1062	964-1059	15		1					50%
16	236 1063	965-1060	16		"					50%
17	237 1064	966-1061	17							50%
18	238 1065	967-1062	18		1					50%
19	239 1066	968-1063	19		1	087				50% E.O.T*087, TAPE MKTS
20	240 1067	969-1064	20	WIND	strip	088				66Db B.O.T*088, 900 10sec, #11 ONES.
21	241 1067	969-1064	20		1					50%
22	242 1068	970-1065	21		"					50% NOTE: STA*1072 OPEN Due to HI-WAY.
23	SKIP 1069	971-1066	22							SKIP From STA*1069-1082, Due to TOWN
24	243 1083	985-1080	10	4						20% Recorder moved UP AT 1047-1048.
25	244 1084	986-1081	11							20% Vib*23651 Down, WANT PRESSURE UP.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN See REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN      X			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100J 1-V900	TYPE GEOPHONE E TELV22R	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

18

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	245	1085	987-1082	12	4	<del>088</del> 088	OUT	IN	20%	4 Vib 50' SPACING 41/4 MOVE UP.
2	246	1086	988-1083	13					20%	1st Vib -69' Behind Flag. 8 Sweep.
3	SKIP	1087	989-1084	14						SKIP DUE TO HOUSE.
4	247	1088	990-1085	15					20%	
5	248	1089	991-1086	16					20%	
6	249	1090	992-1087	17					20%	
7	250	1091	993-1088	18	4	088			20%	E.O. + *088, TAPE MKTS.
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

19

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF, SIERRA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; Blacktop</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</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	084	OUT	IN		Recorder set at 992-993
2	935 EINT	2-" "								
3	936 D.R.D	4-" "								5 Vib 4 1/4 move up, 8 sweep
4	937 SUM test	2-" "								50' spacing 1st Vib - 44' Behind Flag.
5	938 N.R.-J. test	2-" "								
6	932 SIMILARITY	1-32sec	217	5						50%
7	195 WINDstrip	1-48sec	1							66%
8	196 1019	921-1016	1	5						50%
9	197 1020	922-1017	2							50%
10	198 1021	923-1018	3							50%
11	199 1022	924-1019	4							50%
12	200 1023	925-1020	5							50%
13	201 1024	926-1021	6			084				50% E.O.T*084, TAPE MKTS
14	202 1025	927-1022	7	WIND strip		085				66% B.O.T*085, 900 10sec MILL ONES
15	203 1025	927-1022	7							50%
16	204 1026	928-1023	8							50%
17	SKIP 1027	929-1024	9	1						SKIP Due to HOUSES.
18	SKIP 1028	930-1025	10							SKIP " " "
19	205 1029	931-1026	11							50%
20	206 1030	932-1027	12							50%
21	207 1031	933-1028	13	4						50% Vib * 23652 Down, Hydraulic Problem.
22	208 1032	934-1029	14	5	1					50% Vib * 23652 BACK IN.
23	209 1033	935-1030	15	1						50%
24	210 1034	936-1031	16							50%
25	211 1035	937-1032	17							50%

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

SWEEP FREQUENCY 10-32Hz / 32sec	SWEEP PATTERN see REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN           x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y 1100's 1-y 900	TYPE GEOPHONE E TELV22R	FREQUENCY 7.5Hz
REMARKS 8ms Sample RATE / 48sec Record Length		OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

STATION INTERVAL 330'	LINE DIR. 1 TO 24 E → W
--------------------------	-------------------------------

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

20

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>9-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP + DIRT ROAD</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</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	212	1036	938-1033	18	5	085	OUT	IN	50%	
2	213	1037	939-1034	19					50%	
3	214	1038	940-1035	20					50%	
4	215	1039	941-1036	21	1	085			50%	E.O.T*085, TAPE MKTS
5	216	1040	942-1037	22	WIND SKIP	086			66%	B.O.T*086, 900 10sec. ALL ONES.
6	217	1040	942-1037	22					50%	
7	218	1041	943-1038	23					50%	
8	219	1042	944-1039	24					50%	
9	220	1043	945-1040	25					50%	
10	221	1044	946-1041	26					50%	
11	222	1045	947-1042	27	1				50%	
12	223	1046	948-1043	28					50%	
13	224	1047	949-1044	29					50%	
14	225	1048	950-1045	30					50%	
15	SKIP	1049	951-1046	31					SKIP	Due to HOUSES
16	SKIP	1050	952-1047	32					SKIP	" " "
17	SKIP	1051	953-1048	33					SKIP	" " "
18	226	1052	954-1049	34					50%	STACKED LAST HAIF.
19	227	1053	955-1050	35					50%	
20	228	1054	956-1051	36		086			50%	E.O.T*086, TAPE MKTS.
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

21

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-31-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</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			missed sweep	082	OUT	IN		Recorder set at 972-973
2	934	EINT								
3	935	D.R.D								5 Vibs, 41/4 MOVE UP. 8 sweep.
4	936	SUM test								1st Vib -44' Behind FLAG. 50' spacings
5	937	N.R.S. test								
6	932	SIMILARITY	217	5					50%	
7	172	WIND strip	1						66db	
8	173	999	1	5					50%	
9	174	1000	2						50%	
10	175	1001	3						50%	
11	176	1002	4						50%	
12	177	1003	5			082			50%	E.O.t*082, TAPE MKTS
13	178	1004	6		wind strip	083			66db	B.O.t*083, 900 10sec All ones.
14	179	1004	6						50%	
15	180	1005	7						50%	
16	181	1006	8						50%	
17	182	1007	9						50%	
18	183	1008	10						50%	
19	184	1009	11						50%	
20	185	1010	12						50%	
21	186	1011	13						50%	
22	187	1012	14						50%	
23	188	1013	15						50%	
24	189	1014	16						20%	Vibs went to LOW DRIVE, Due to BLACK TOP.
25	190	1015	17			083			20%	E.O.t*083, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      x	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - y110ds 1 - 4900	TYPE GEOPHONE E+V1V22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length	OBSERVER R. PATON, M. Richey	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 E-W		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 2

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	1016	918 - 1013	18	WIND SWIP		084	OUT	IN	66dB	B.O. + *084, 900 10sec ALL ONES.
2	1016	918 - 1013	18						50%	Vibs went to HI-DRIVE.
3	1017	919 - 1014	19						50%	
4	1018	920 - 1015	20						50%	
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 23

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			Missed Sweeps	079	OUT	IN		Recorder SET AT 942-943
2	934/935	EINT								
3	936/939	ORD								5 Vibs -44' Behind Flag. 8 sweep
4	937/934	SUM TEST								50' SPACING, 4 1/4 more UP.
5	940/941	NRJ TEST								
6	932	Similarity	217	5						50%
7	138	Wind strip	1							66Db
8	139	969	871-966	1	5					50%
9	140	970	872-967	2		079				50% E.O.T*079, TAPE MKTS
10	141	971	873-968	3	Wind strip	080				66Db B.O.T*080, 900 10sec ALL ONES.
11	142	971	873-968	3						50%
12	143	972	874-969	4						50%
13	144	973	875-970	5						50%
14	145	974	876-971	6						50%
15	146	975	877-972	7						50%
16	147	976	878-973	8						50%
17	148	977	879-974	9	1					50%
18	149	978	880-975	10						50%
19	150	979	881-976	11						50%
20	151	980	882-977	12	11					50%
21	152	981	883-978	13						50%
22	153	982	884-979	14	1	080				50% EOT*080 TAPE MKTS
23	154	983	885-980	15	Wind strip	081				66Db BOT*081 *900 10sec ALL ones
24	155	983	885-980	15						50%
25	156	984	886-981	16	1					50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-932Hz / 32 sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN      X			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-x 1100's 1-x 900	TYPE GEOPHONE FTL EV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 48 sec Record Length			OBSERVER R. Patten M. Pichey	PARTY MGR. P. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 24

CLIENT <b>COCORP</b>	AREA <b>NO. Calif</b>	STATE <b>Calif</b>	COUNTY <b>SIERRA</b>	DATE <b>8-30-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road, Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	157	985	887-982	17	5		081	OUT	IN	50%	
2	158	986	888-983	18						50%	
3	159	987	889-984	19						50%	
4	160	988	890-985	20						50%	
5	161	989	891-986	21	1					50%	
6	162	990	892-987	22						50%	
7	163	991	893-988	23	1					50%	
8	164	992	894-989	24						50%	
9	165	993	895-990	25	11					50%	
10	166	994	896-991	26		081				50%	F.O.T*081*TAPE MKTS
11	167	995	897-992	27	wind strip	082				66%	B.O.T*082, 900 10sec ALL ONES.
12	168	995	897-992	27						50%	
13	169	996	898-993	28						50%	
14	170	997	899-994	29	1					50%	
15	171	998	900-995	30	1					50%	
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 25

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	Pulse			MIXED SWEEP	077	OUT	IN		REORDER BETWEEN 921 AND 922
2	934/935	Eint								NOTE: 10-32 Hz, 32 sec sweep @ sweeps per station
3	936/939	PRD								Vibrators: 25sec 50', 41' move-up, 1st vib 44' behind
4	937/954	SUM TEST								Slag.
5	938/941	MKS TEST								
6	932	Similarity		5						
7	114	Windstrip	1						66db	
8	115	948	850-945	1	5				50%	
9	116	949	851-946	2		077			50%	EOT #077 TAPE MKTS
10	117	950	852-947	3	Windstrip	078			66db	BOT #078 900 10 sec ALL ONES
11	118	950	852-947	3					50%	
12	119	951	853-948	4					50%	
13	120	952	854-949	5					50%	
14	121	953	855-950	6					50%	
15	122	954	856-951	7					50%	
16	123	955	857-952	8					50%	
17	124	956	858-953	9					50%	
18	125	957	859-954	10					50%	
19	126	958	860-955	11					50%	
20	127	959	861-956	12					50%	
21	128	960	862-957	13	1				50%	
22	129	961	863-958	14		078			50%	EOT #078 TAPE MKTS
23	130	962	864-959	15	Windstrip	079			66db	BOT #079 #900 10 sec ALL ONES.
24	131	962	864-959	15					50%	
25	132	963	865-960	16					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32 Hz</b>		SWEEP PATTERN <b>SEE REMARKS</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>1-4 900 4-4 100's</b>	TYPE GEOPHONE <b>ETL EV 22 B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>Emu sample rate, 48 sec record</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. 26

CLIENT <b>Cocopp</b>	AREA <b>NO. CALIF</b>	STATE <b>Calif</b>	COUNTY <b>SIERRA</b>	DATE <b>8-27-82</b>	
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Hills Gravel Road</b>	WEATHER <b>Partly Cloudy</b>	LINE NO. <b>7</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	964	866-961	17	5		079	OUT	IN	502	
2	965	867-962	18						502	
3	966	868-963	19						502	
4	967	869-964	20						502	Got A Blast ON The 6th Sweep on This. VP.
5	968	870-965	21						502	
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

27

CLIENT <b>COCORP</b>	AREA <b>NO CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-26-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rollins Hills, Gravel Road</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>7</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	80 ~	AMP	
1	933 PULSE	1-6 sec			MISSED SWEEP	074	CUT	1W		Recorder between 884 and 885
2	934/935 EINT	2- " "								
3	936/939 ORD	4- " "								
4	937/944 SUM TEST	2- " "								NOTE: 10-32hz, 32sec sweep, 8 sweeps per station
5	940/964 NRS TEST	2- " "								VIBRATORS: 50' spacing, 41' move-up, 1st vibrator 44' behind slag.
6	932 SIMILARITY	1-32 sec	217	5		074				E.O.T*074, TAPE MKTS.
7	079 WINDSTRIP	1-48 sec	6			075			66db	NOTE: STATIONS 884 dead; at intersection
8	080 916	818-913	6	5					50%	B.O.T*075, 900 10sec ALL ONE. ON WINDSTRIP.
9	081 917	819-914	7						50%	
10	082 918	820-915	8						50%	
11	083 919	821-916	9						50%	NOTE: VIBRATORS GOING IN AND OUT OF DEAD SPOTS
12	084 920	822-917	10						50%	
13	085 921	823-918	11						50%	
14	086 922	824-919	12						50%	
15	087 923	825-920	13		I				50%	
16	088 924	826-921	14		II				50%	
17	089 925	827-922	15						50%	
18	090 926	828-923	16						50%	
19	091 927	829-924	17		I	075			50%	E.O.T*075, TAPE MKTS
20	092 928	830-925	18		wind strip	076			66db	B.O.T*076, 900 10sec ALL ONES.
21	093 928	830-925	18						50%	
22	094 929	831-926	19		II				50%	
23	095 930	832-927	20						50%	
24	096 931	833-928	21						50%	
25	097 932	834-929	22		II				50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 hz		SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN       +
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 1-4900 4 4110015	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 hz	STATION INTERVAL 330'
REMARKS 8ms sample rate, 48 sec record			OBSERVER R. Patton, M. Rickey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

28

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	098	933	835-930	23	5	Missed Sweep 076	OUT	1W	50%	
2	099	934	836-931	24					50%	
3	100	935	837-932	25					50%	
4	101	936	838-933	26					50%	
5	102	937	839-934	27					50%	
6	103	938	840-935	28					50%	
7	104	939	841-936	29					50%	
8	105	940	842-937	30		076			50%	EOT # 076 TAPE MKTS
9	106	941	843-938	31	WINDSTEIP	077			66db	BOT # 077 900 10 sec ALL OWES
10	107	941	843-938	31					50%	
11	108	942	844-939	32					50%	
12	109	943	845-940	33					50%	
13	110	944	846-941	34					50%	
14	111	945	847-942	35					50%	
15	112	946	848-943	36					50%	
16	113	947	849-944	37					50%	
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 29

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80~	AMP	
1	933	PULSE			MISSED SWEEPS	072	OUT	IN		NOTE: RECORDER BETWEEN 860 AND 861
2	934/935	EINT								
3	936/939	DRO								NOTE: 10-32 hz 32 sec sweep, 8 sweeps per station
4	953/954	SUM TEST								VIBRATORS: 60' spacing, 41' move-up 1st
5	90/961	NRS TEST								VIBRATOR 44' behind flag
6	932	SIMILARITY	217	5						
7	049	WINDSTRIP	1						66db	NOTE: STATION 844 DEAD NO TO INTERSECTION
8	050	887	1	5					50%	
9	051	888	2						50%	
10	052	889	3						50%	
11	053	890	4						50%	
12	054	891	5						20%	on 1st hz of stations, operating mine near line
13	SKIP	892	6						SKIP	SKIP - operating mine
14	SKIP	893	7						SKIP	" - " "
15	055	894	8			072			20%	on last 1/2 of stations, EOT 072 TAPE MKTS
16	056	895	9		WINDSTRIP	073			66db	ROT #073 900 10 sec all ones
17	057	895	9						50%	
18	058	896	10						50%	
19	059	897	11						50%	
20	060	898	12						50%	
21	061	899	13						50%	
22	062	900	14						50%	
23	063	901	15						50%	
24	064	902	16						50%	
25	065	903	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32 hz</b>	SWEEP PATTERN <b>SEE REMARKS</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>1-4 900 4-4 1100</b>	TYPE GEOPHONE <b>ETL-EV220</b>	FREQUENCY <b>7.5 hz</b>	STATION INTERVAL <b>330</b>
REMARKS <b>8ms sample rate, 48 sec Record</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.

30

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-25-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING HILLS, GRAVEL ROAD</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>7</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	80 ~	AMP		
1	066	904	806-901	18	5	MISSED SWEEP	073	OUT	10	50%	
2	067	905	807-902	19						50%	
3	068	906	808-903	20			073			50%	EOT #073 TAPE MKB
4	069	907	809-904	21	WINDSTRIP		074			66dB	BOT #074 900 10 SEC ALL ONES
5	070	907	809-904	21	5					50%	
6	071	908	810-905	22						50%	
7	072	909	811-906	23						50%	
8	073	910	812-907	24						50%	
9	074	911	813-908	25						50%	
10	075	912	814-909	26						50%	
11	076	913	815-910	27						50%	
12	077	914	816-911	28						50%	
13	078	915	817-912	29						50%	
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

31

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			MISSED SWEEP	070	CUT	IN		BOT # 070 # 900 10 sec All ones.
2	934/935	EINT								
3	936/937	DRD								
4	938/939	SUM TEST								
5	940/941	NRS TEST								NOTE: 10-32 Hz sweep, 32 sec sweep, 2 SWEEPS PER STATION, 48 sec record, 50' spacing, 41' move-up 1st Vib 44' behind Slag
6	932	SIMILARITY	217						50%	
7	021	WINDSTRIP	3						66db	RECORDER BETWEEN 833 AND 834
8	022	862	764-859	3					50%	
9	023	863	765-860	4					50%	NOTE: STA 844 OPEN DUE TO ROAD
10	024	864	766-861	5					50%	
11	025	865	767-862	6					50%	
12	026	866	768-863	7					50%	CURVED ROAD, TALL TREES
13	027	867	769-864	8					50%	
14	028	868	770-865	9					50%	
15	029	869	771-866	10					50%	
16	030	870	772-867	11					50%	
17	031	871	773-868	12		070			50%	EOT # 070 TAPE MKTS
18	032	872	774-869	13	WIND STRIP	071			66db	BOT # 071 900 10 sec All ones
19	033	872	774-869	13					50%	
20	034	873	775-870	14					50%	
21	035	874	776-871	15					50%	
22	036	875	777-872	16	I				50%	
23	037	876	778-873	17					50%	
24	038	877	779-874	18					50%	
25	039	878	780-875	19					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN         X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 1-4 900 4-4 1100	TYPE GEOPHONE ETC EV22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 1 TO 24
REMARKS 8ms SAMPLE RATE. 48 sec record	OBSERVER R. Patton, M. Ridley	PARTY MGR. L. DAVIS			

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

32

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	80 ~	AMP		
1	040	879	781-876	20	5	MISSED SWEEP	071	OUT	IN	50%	
2	041	880	782-877	21						50%	
3	042	881	783-878	22						50%	
4	043	882	784-879	23						50%	
5	044	883	785-880	24			071			50%	EGT # 071 TAPE MKTS
6	045	884	786-881	25	WINDSTRIP		072			66db	BOT # 072 900 10 SEC ALL CUES
7	046	884	786-881	25	5					50%	
8	047	885	787-882	26						50%	
9	048	886	788-883	27						50%	
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 33

CLIENT <b>COCORP</b>	AREA <b>No. Calif.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rollins Hills, Gravel Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	067	OUT	IN		Reorder between 815-816
2	934/935 EINT.	2- " "								NOTE: 10-32hz sweep, 8 sweeps per station, 32 sec sweep, 48 sec records
3	936/939 NRD	4- " "								50' spacing, 1st vibrator 44' behind flag, 41' move up
4	953/954 SWM TEST	2- " "								
5	960/961 NRS TEST	2- " "								
6	932 SIMILARITY	1-32 sec								NOTE: STATION 844 will be dead do to road.
7	892 WINDSTRIP	1-48 sec	5						66db	
8	893 837	748-834		5					50%	
9	894 838	748-835							50%	
10	895 839	748-836				067			50%	EOT # 067 TAPE MKTS
11	896 840	748-837	WINDSTRIP			068			66db	BOT # 068 9010 SEC ALL ONES
12	897 840	748-837		5					50%	
13	898 841	748-838							50%	NOTE: MEN WORKING AROUND STATION 758
14	899 842	748-839							50%	
15	001 843	748-840							60%	File number back to 001 900's reserved for testing
16	002 844	748-841							50%	
17	003 845	748-842							50%	
18	004 846	748-843							50%	
19	005 847	749-844	6						50%	
20	006 848	750-845	7						50%	
21	007 849	751-846	8						50%	
22	008 850	752-847	9						50%	
23	009 851	753-848	10			068			50%	EOT # 068 TAPE MKTS
24	010 852	754-849	11	WINDSTRIP		069			66db	BOT # 069 900 10 sec ALL ONES
25	011 852	754-849	11		III				50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32hz</b>	SWEEP PATTERN <b>SEE REMARKS</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>1-4900 4-4100s</b>	TYPE GEOPHONE <b>ETL E422 B</b>	FREQUENCY <b>7.5hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample rate, 48 sec record</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. 34

CLIENT <b>COCDRP</b>	AREA <b>NO. CALIF.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING HILLS, GRAVEL ROAD</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>7</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	012	853	755-850	12	5	MISSED 069	CUT	1W	50%	VIBS MOVING IN AND OUT OF DEAD SPOTS TALL TREES +
2	013	854	756-851	13					50%	curving road
3	014	855	757-852	14					50%	
4	015	856	758-853	15					50%	
5	016	857	759-854	16					50%	
6	017	858	760-855	17					50%	
7	018	859	761-856	18					50%	
8	019	860	762-857	19					50%	
9	020	861	763-858	20		069			50%	EOT 069 TAPE MKTS RELIEVED BLAST CW LAST SWEEP
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 35

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6 sec			MISSED SWEEPS	065	cut	1W		Dog House set up between 815-816
2	934 EINT	2- " "								
3	934 D.P.D.	4- " "								NOTE: 10-32 hz sweep, 8 sweeps per station, 32 sec sweep, 41' move up, 50' spacing 1st VIB 44' behind flag
4	934 SUM TEST	2- " "								
5	934 NRS TEST	2- " "								
6	932 SIMILARITY	1-32 sec		5					50%	
7	864 WINDSTRIP	1-48 sec	5						66db	
8	865 816	748-812							70%	1 sweep WTE: 4 STATION OFFSET INSTEAD OF 3 STA. OFFSET
9	866 816	748-812							70%	
10	867 817	748-814							70%	
11	868 818	748-815							70%	
12	869 819	748-816							70%	
13	870 820	748-817							70%	1 sweep
14	871 820	748-817				065			70%	EOT # 065 TAPE MKTS
15	872 821	748-818		WINDSTRIP		066			66db	BOT # 066 900 10 SEC ALL ONES
16	873 821	748-818							70%	
17	874 822	748-819							70%	
18	875 823	748-820							70%	
19	876 824	748-821							70%	1 sweep
20	877 824	748-821							70%	
21	878 825	748-822							70%	
22	879 826	748-823							70%	1 sweep
23	880 826	748-823							70%	
24	881 827	748-824							50%	
25	882 828	748-825							50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32 hz</b>	SWEEP PATTERN <b>SEE REMARKS</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>1-4900 4-4100</b>	TYPE GEOPHONE <b>ETL EV22B</b>	FREQUENCY <b>7.5 hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample Rate 48 sec 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.

36

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAP RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	829	748-826	5	5	Missed SWEEP		OUT	10	50%	
2	830	748-827				066				EOT *066 TAPE MKTS
3	831	748-828	WIND STRIP			067			66db	ROT *067 9010 sec ALL ONES
4	831	748-828	5	5					50%	
5	832	748-829							50%	(Line Changed due to Highway work.)
6	833	748-830							50%	Pulling Spread Starting U.P. 816
7	834	748-831							50%	With Spread from 748-812 Adding Station
8	835	748-832							50%	as vibrated. C.D.P. will Not be moved
9	836	748-833							50%	until full 96 Traces are on ground.
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

37

CLIENT <b>COCORP</b>	AREA <b>No Calif.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Hills + Blacktop</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>#7</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				064	CUT	IN		BOT 064 900 10 SEC ALL ONES
2	934/935	E10T								RECORDED BETWEEN 830 and 831
3	936/939	D.R.D.								NOTE: VIBRATORS AT 20% , 16 sec sweep , 16 sweep
4	953/954	SUM TEST								per station , 10- 32 hz
5	960/961	NRS TEST								20' move-up , 50' spacing , 1st Vib 44' behind Sigs
6	932	SIMILARITY	217						50%	
7	846	WINDSTRIP	1						66db	
8	847	857	1	5					20%	
9	848	858	2						20%	
10	849	859	3						20%	
11	850	860	4						20%	
12	851	861	5						20%	
13	852	862	6						20%	
14	853	863	7						20%	CONSTRUCTION AT STATION 772-773
15	854	864	8						20%	
16	855	865	9						20%	
17	856	866	10						20%	
18	857	867	11						20%	
19	858	868	12			064			20%	EOT TAPE MKTS (064)
20	859	869	13	WINDSTRIP		065			66db	BOT 065 10 SEC ALL ONES
21	860	869	13	5	11				20%	
22	861	870	14						20%	
23	862	871	15						20%	
24	863	872	16						20%	STOPPING LINE 7 - REROUTING LINE NORTH ON GRAVEL ROAD
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32 hz</b>	SWEEP PATTERN <b>SEE REMARKS</b>	SWEEPS PER PATTERN <b>16</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>1-4 900 4-4 1100's</b>	TYPE GEOPHONE <b>E+ELV22B</b>	FREQUENCY <b>7.5 hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE 36 SEC 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.

38

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			MISSED SWEEP	061	OUT	IN		Recorder SET AT 807-808
2	934/935	EINT								NOTE: VIBRATORS AT 20% 16 sec SWEEP, 16 SWEEPS
3	936/939	DRD								PER STATION, 10-32 hz
4	937/938	SUM TEST								20' move-up, 50' spacing, 1st Vib 44' behind flag
5	940/941	NRS TEST								
6	932	SIMILARITY	217	4					50%	
7	821	WINDSTRIP	1						66db	
8	822	834	1	5					20%	VIB #3 out on similarity, checked out ok
9	823	835	2						20%	
10	824	836	3						20%	Vibs on blacktop
11	825	837	4						20%	
12	826	838	5						20%	Construction around 772-773, BLAST ON SWEEP 13
13	827	839	6						20%	
14	828	840	7						20%	
15	829	841	8						20%	
16	830	842	9						20%	4 VIBS SWEEP 11-16 #23652 OUT
17	831	843	10	4					20%	
18	832	844	11			061			20%	EOT #61 TAPES MKTS
19	833	845	12		WINDSTRIP	062			66db	ROT #62 900 10 sec 911 ONES
20	834	845	12	5					20%	#23652 BACK IN - PUT PIN IN LEFT CYLINDER
21	835	846	13						20%	
22	836	847	14						20%	
23	837	848	15						20%	
24	838	849	16						20%	
25	839	850	17						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN       X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4-100's 1-4-900'	TYPE GEOPHONE E+ELV 22B	FREQUENCY 7.5 hz	STATION INTERVAL 330'
REMARKS Bms SAMPLE RATE 36 sec record length	OBSERVER R. Patton	PARTY MGR. M. Richey	L. DAVIS		

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

39

CLIENT <i>COCORP</i>	AREA <i>No Calif</i>	STATE <i>Calif.</i>	COUNTY <i>Sierra</i>	DATE <i>8-18-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills + Blacktop</i>	WEATHER <i>CLEAR</i>		LINE NO. <i>7</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	840	753-848	18	5	<del>18</del>	062	OUT	IN	20%	
2	841	754-849	19						20%	
3	842	755-850	20		II				20%	
4	843	756-851	21						20%	
5	844	757-852	22		I				20%	
6	845	758-853	23			062			20%	EOT 062 TAPE MKTS
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. L40

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Rolling Hills + Blacktop</b>	WEATHER <b>Clear</b>		LINE NO. <b>#7</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE				059	OUT	IN		Recorder SET AT 775-776
2	934/935	FINT								
3	934/939	D.R.D								5 Vibs, 50' spacing, 4 1/4 MOVE UP.
4	953/954	SUM TEST								1st Vib -44' Behind FLAG. 8 sweep.
5	960/961	NRS TEST								48 sec record
6	932	SIMILARITY	217	5					50%	
7	793	WINDSTRIP	8						66db	
8	794	809	8	5					20%	
9	795	810	9	5					20%	
10	796	811	10	5					20%	
11	797	812	11	5					20%	
12	798	813	12	5					20%	
13	799	814	13	5					20%	
14	800	815	14			059			20%	E.O. + #059, TAPE MKTS
15	801	816	15		WINDSTRIP	060			66db	B.O. + #060, 900 10SEC ALL ONES.
16	802	816	15						20%	5 VIBS, 50' spacing, 20' MOVE UP 1st VIB 44' BEHIND FLAG
17	803	817	16						20%	16 sec sweep, 16 sweeps per STATION, 3 1/2 sec Rec.
18	804	818	17						20%	DO TO ROAD DAMAGE.
19	805	819	18						20%	
20	806	820	19						20%	
21	807	821	20						20%	
22	808	822	21						20%	
23	809	823	22						20%	
24	810	824	23						20%	
25	811	825	24						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN       X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-4-1100'S 1-4-900	TYPE GEOPHONE E+ELV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE, 48sec Record Length			OBSERVER R. PATTON, M. Rieley	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 41

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	812	728-823	25	5		060	OUT	IN	20%	
2	813	729-824	26						20%	
3	814	730-825	27						20%	
4	815	731-826	28						20%	
5	816	732-827	29						20%	
6	817	733-828	30			060			20%	EOT #60 TAPE MKS
7	818	734-829	31	WINDSTRIP		061			6db	EOT #61 900 10 SEC ALL ONES
8	819	734-829	31						20%	
9	820	735-830	32						20%	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

42

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>ROLLING HILLS + BLACKTOP</b>	WEATHER <b>CLEAR</b>	LINE NO. <b>#7</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	1-6 SEC			<del>MISSING SWEEP</del>	058	OUT	IN		BOT 900 10 SECS ALL ONES
2	EINT	2- " "								Recorder SET AT 765-766
3	D.R.O.	4- " "								NOTE: VIBRATORS AT 20%, 16 sec sweep, 16 sweeps
4	SQA TEST	2- " "								PER STATION, 10-32hz
5	NRS TEST	2- " "								20' MOVE UP - 50' SPACING,
6	SIMILARITY	1-16 SEC	217	5					50%	1st Vib -44' Behind FLAG.
7	Wind strip	1-36 SEC	1						66dB	
8	792	694-789	1	5					20%	Vibs ON BLACK TOP.
9	793	695-790	2						20%	
10	794	696-791	3						20%	
11	795	697-792	4						20%	
12	796	698-793	5						20%	
13	797	699-794	6		1				20%	
14	798	700-795	7		1				20%	
15	799	701-796	8		1				20%	
16	800	702-797	9		1				20%	
17	801	703-798	10		2				20%	Vibs ARE IN and out of Dead spots. MISSING TONES.
18	802	704-799	11		1				20%	
19	803	705-800	12		4				20%	
20	804	706-801	13		2	058			20%	E.O.T*058, NO TAPE MKTS,
21	805	707-802	14		WIND strip	059			66dB	B.O.T*059, 900 10sec ALL ONES.
22	805	707-802	14		2				20%	
23	806	708-803	15		2				20%	
24	807	709-804	16						20%	
25	808	710-805	17						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32 hz</b>		SWEEP PATTERN <b>SEE REMARKS</b>	SWEEPS PER PATTERN <b>16</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>4-71100 1-4900</b>	TYPE GEOPHONE <b>E+ELV22B</b>	FREQUENCY <b>7.5 hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample rate 36sec record</b>			OBSERVER <b>R Patton, M Richey</b>	PARTY MGR. <b>L. DAULS</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 43

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF.</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-13-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD + ROLLING HILLS</b>	WEATHER <b>CLEAR</b>		LINE NO. <b># 7</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			<small>MINISET</small> 500		OUT	IN		REORDER SET AT 738-739
2	<del>934</del>	EINT								BO
3	<del>936</del>	D.R.D.								5 VIB 50' SPACING 4 1/4 MOVE UP
4	<del>953</del>	SUM TEST								1st Vib - 44' behind slag, 8 sweeps
5	<del>906</del>	MRS. Test								
6	932	Similarity	217	5						50%
7	745	Windstrip	1							66db
8	746	765	1	5						30% VIB ON BLACKTOP
9	747	766	2	5						30%
10	748	767	3	5		55				30% E.O.T. #55 TAPE MKTS
11	749	768	4	5	WIND STRIP	56				30% BOT #056 900 10 sec ALL ONES
12	750	768	4	5						30%
13	751	769	5							30%
14	752	770	6							30% RELIEVED BLAST ON SWEEP #2
15	753	771	7							30%
16	754	772	8							30%
17	755	773	9							30%
18	756	774	10							30%
19	757	775	11							30%
20	758	776	12							30%
21	759	777	13							30%
22	760	778	14							30%
23	761	779	15							30%
24	762	780	16			056				30% ON 1ST 1/2 OF STA - ROAD WORK - EOT # 056 TP MKTS
25	763	781	17	WIND	STRIP	057				30% BOT # 057 900 10 sec ALL ONES Road Work

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32 Hz	SWEEP PATTERN SEE REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN       X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-41100's 1-1900	TYPE GEOPHONE E4ELV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 30
REMARKS 8ms Sample Rate / 48 sec Record Length	OBSERVER R Patton	PARTY MGR. M. Richey		L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 44

CLIENT <b>COCORP</b>		AREA <b>NO. CALIF</b>		STATE <b>CALIF</b>		COUNTY <b>SIERRA</b>		DATE <b>8-13-82</b>			
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road + Black top.</b>		WEATHER <b>Clear</b>		LINE NO. <b>#17</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	80 ~	AMP		
1	SKIP	781	683-778	19	5	Missed Sweep	057	OUT	IN	SKIP	Due to Road work.
2	764	782	684-779	18						30%	
3	765	783	685-780	19						30%	
4	766	784	686-781	20	4					30%	Vib #17311 Down, oil Leak.
5	767	785	687-782	21						30%	
6	768	786	688-783	22						30%	
7	769	787	689-784	23						30%	
8	770	788	690-785	24						30%	
9	771	789	691-786	25						30%	
10	772	790	692-787	26						30%	
11	773	791	693-788	27			057			30%	STACK LAST HALF EOT #057 TAKE MKPS
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	
REMARKS		OBSERVER		PARTY MGR.				LINE DIR. 1 TO 24			

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services **45**  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-12-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Rolling Hills</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>FM</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	PULSE			MISSED SWEEP	053	OUT	IN		Recorder SET AT 708-709
2	934/935	EINT								B.O.T. # 053, 900 10sec ALL ONES.
3	936/939	D.R.D								5 Vibs 50' SPACING 4 1/4 move UP.
4	953/954	SUM test								1st Vib -44' Behind Flag; 8 sweep
5	960/961	N.R.J. test								
6	732	Similarity	217	5						50%
7	712	WINDSTRIP	1							66db
8	713	735	637-732	1	5					50%
9	714	736	638-733	2	5					50%
10	715	737	639-734	3		1				50%
11	716	738	640-735	4		11				50%
12	717	739	641-736	5		1				50%
13	718	740	642-737	6		1111				50%
14	719	741	643-738	7		1				50%
15	720	742	644-739	8		1				50%
16	721	743	645-740	9		1				50%
17	722	744	646-741	10			053			50% E.O.T. # 053 Tape Mkts
18	723	745	647-742	11	WINDSTRIP		054			66db B.O.T. # 054 900 10 sec ALL ONES.
19	724	745	647-742	11		11				50%
20	725	746	648-743	12		11				50%
21	726	747	649-744	13						50%
22	727	748	650-745	14						50% Low Drive after 1st hls (on highway)
23	728	749	651-746	15						30%
24	729	750	652-747	16						30%
25	730	751	653-748	17						30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz/32sec</b>		SWEEP PATTERN <b>5sec REMARKS</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 1-1900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/48 sec 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.

46

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF.</i>	COUNTY <i>SIERRA</i>	DATE <i>8-12-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + Hilly Terrain</i>	WEATHER <i>Clear</i>		LINE NO. <i>#7</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	731	654-749	18		<i>MISSO SUREEP</i>	054			30%	
2	732	655-750	19						30%	
3	733	656-751	20						30%	
4	734	657-752	21						30%	
5	735	658-753	22						30%	
6	736	659-754	23			054			30%	<i>EOT #54 Tape Mkts</i>
7	737	660-755	24	<i>WINDS TRIP</i>		055			66db	<i>EOT #55 900 10secs All Ones</i>
8	738	660-755	24						30%	
9	739	661-756	25						30%	
10	740	662-757	26						30%	
11	741	663-758	27						30%	
12	742	664-759	28						30%	
13	743	665-760	29						30%	
14	744	666-761	30						30%	
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

47

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-11-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Rolling Hills</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</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				050	OUT	IN		Recorder SET AT
2	434/435 EINT	2-'' ''								B.O. + #050, 900 10sec PAI ONES.
3	536/537 D.R.D	4-'' ''								5 Vibs 50' spacing 4 1/4 WIDE UP.
4	735/734 SUM test	2-'' ''								1st Vib -44' Behind Flag. 8 sweep.
5	860/861 N.R.S. test	2-'' ''								
6	932 Similarity	1-32sec	217	5						50%
7	674 WIND strip	1-48sec	1							60db
8	675 700	602-697	1	5						50%
9	676 701	603-698	2		1					50%
10	677 702	604-699	3		1					50%
11	678 703	605-700	4							50%
12	679 704	606-701	5							50%
13	680 705	607-702	6							50%
14	681 706	608-703	7							50%
15	682 707	609-704	8							50%
16	683 708	610-705	9							50%
17	684 709	611-706	10							50%
18	685 710	612-707	11			050				50% E.O. + #050, TAPE MKTS
19	686 711	613-708	12		wind strip	051				60db B.O. + #051, 900 10sec PAI ONES
20	687 711	613-708	12							50%
21	688 712	614-709	13							50%
22	689 713	615-710	14		1					50%
23	690 714	616-711	15		1					50%
24	691 715	617-712	16							50%
25	692 716	618-713	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN sec REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Vibro's 1-1900	TYPE GEOPHONE E TELV22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms sample RATE/48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

48

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-11-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road - hilly</b>	WEATHER <b>clear</b>		LINE NO. <b>#49</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	693	717	619-714	18	5	<sup>MISSECK</sup> 3000 051	OUT	IN	50%	
2	694	718	620-715	19					50%	
3	695	719	621-716	20	1				50%	
4	696	720	622-717	21					50%	
5	697	721	623-718	22					50%	
6	698	722	624-719	23					50%	
7	699	723	625-720	24	4	051			50%	E.O.T #051, TAPE MKTS - Vib #16344 Downy Replacing Pad Bkts.
8	700	724	626-721	25	WIND strip	052			66%	B.O.T #052, 900 10sec All OK's.
9	701	724	626-721	25					50%	
10	702	725	627-722	26	5				50%	Vib #16344 BACK ON LINE.
11	703	726	628-723	27					50%	
12	704	727	629-724	28					50%	
13	705	728	630-725	29					50%	
14	706	729	631-726	30					50%	
15	707	730	632-727	31					50%	
16	708	731	633-728	32					50%	
17	709	732	634-729	33					50%	
18	710	733	635-730	34					50%	
19	711	734	636-731	35		052			50%	E.O.T #052, TAPE MKTS
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 49

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Rollins Hills</b>	WEATHER <b>clear</b>	LINE NO. <b>#7</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	047	CUT	IN		Recorder SET AT 639-640
2	FINI	2- " "								B.O. #047, 900 10sec ALL ONES.
3	D.R.D	4- " "								5 Vibs 50' SPACING 4 1/4 MOVE UP
4	SUM test	2- " "								1st Vib -44' Behind FLAG. 8 sweep
5	N.R.J	2- " "								
6	932 SIMILARITY	1-32sec	217	5						50%
7	637 WINDSTRIP	1-48sec	1							66db
8	638 666	568-663	1	5						50%
9	639 667	569-664	2							50%
10	640 668	570-665	3							50%
11	641 669	571-666	4							50%
12	642 670	572-667	5							50%
13	643 671	573-668	6							50%
14	644 672	574-669	7							50%
15	645 673	575-670	8							50%
16	646 674	576-671	9							50%
17	647 675	577-672	10			047				50% E.O. #047, TAPE MKTS
18	648 676	578-673	11		WIND STRIP	048				66db B.O. #048, 900 10sec ALL ONES.
19	649 676	578-673	11							50%
20	650 677	579-674	12							50%
21	651 678	580-675	13							50%
22	652 679	581-676	14							50%
23	653 680	582-677	15							50%
24	654 681	583-678	16							50%
25	655 682	584-679	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		SWEEP PATTERN See REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      /     /     /
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100, 1-Y900	TYPE GEOPHONE ETELV22P	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 98sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. J. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 50

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>8-10-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + Hill</i>	WEATHER <i>clear</i>		LINE NO. <i>#17</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	656	683	585-680	18	5	<i>missed sweep</i>	048	<i>OUT</i>	<i>IN</i>	50%	
2	657	684	586-681	19						50%	
3	658	685	587-682	20						50%	
4	659	686	588-683	21						50%	
5	660	687	589-684	22			048			50%	<i>E.O. + #048, TAPE MKTS</i>
6	661	688	590-685	23		<i>wind strip</i>	049			66%	<i>B.O. + #049, 900 10sec ALLONES</i>
7	662	688	590-685	23						50%	
8	663	689	591-686	24						50%	
9	664	690	592-687	25						50%	
10	665	691	593-688	26						50%	
11	666	692	594-689	27						50%	
12	667	693	595-690	28						50%	
13	668	694	596-691	29						50%	
14	669	695	597-692	30						50%	
15	670	696	598-693	31						50%	
16	671	697	599-694	32						50%	
17	672	698	600-695	33						50%	
18	673	699	601-696	34			049			50%	<i>E.O. + #049, TAPE MKTS</i>
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 51  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO, CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-9-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; hills</b>	WEATHER <b>clear</b>	LINE NO. <b>#7</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 <del>933</del>	Pulse	1-6.5sec				044	OUT	IN		Recorder SET AT 609-610
2 <del>934/935</del>	EINT	2- " "								
3 <del>936/937</del>	P.R.D	4- " "								5 Vibs 50' SPACING 4 1/4 MOVE MP.
4 <del>953/954</del>	sumtest	2- " "								1st Vib -44' Behind Flag, 8 sweep
5 <del>960/961</del>	N.R.S.	2- " "								
6 932	Similarity	1-32.5sec	217	5						50%
7 604	WIND strip	1-48sec	1							66Db
8 605	636	538-633	1	5						50%
9 606	637	539-634	2							50%
10 607	638	540-635	3							50%
11 608	639	541-636	4			044				50% E.O.T# 044, TAPE MKTS
12 609	640	542-637	5		wind strip	045				66Db B.O.T# 045, 900 10sec ALLONES.
13 610	640	542-637	5							50%
14 611	641	543-638	6							50%
15 612	642	544-639	7							50%
16 613	643	545-640	8							50%
17 614	644	546-641	9							50%
18 615	645	547-642	10							50%
19 616	646	548-643	11							50%
20 617	647	549-644	12							50%
21 618	648	550-645	13							50%
22 619	649	551-646	14							50%
23 620	650	552-647	15							50%
24 621	651	553-648	16							50%
25 622	652	554-649	17			045				50% E.O.T# 045, TAPE MKTS

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-90Hz/32sec</b>		SWEEP PATTERN <b>see REMARKS</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-V-900</b>	TYPE GEOPHONE <b>ETE+V22P</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/48sec Record Length</b>			OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>Z. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services** 52  
**Division**  
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>8-9-82</i>
CREW NO. <i>68.34</i>	TERRAIN <i>Dirt Road &amp; hills</i>	WEATHER <i>clear</i>		LINE NO. <i>#7</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	623	555-650	18			046	OUT	IN	66%	B.O. #046, 900 10sec All axes
2	624	555-650	18						50%	
3	625	556-651	19						50%	
4	626	557-652	20						50%	
5	627	558-653	21						50%	
6	628	559-654	22						50%	
7	629	560-655	23						50%	
8	630	561-656	24						50%	
9	631	562-657	25						50%	
10	632	563-658	26		1				50%	
11	633	564-659	27						50%	
12	634	565-660	28						50%	
13	635	566-661	29						50%	
14	636	567-662	30			046			50%	E.O. #046, TAPE MK+S
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 **53**  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; Hill</b>	WEATHER <b>clear</b>		LINE NO. # <b>7</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				041	OUT	IN		Recorder SET AT 575-576
2	FIN+	2-''''								
3	D.R.D	4-''''								5 Vibs 50' SPACING. 4 1/4 MOVE UP.
4	SUM test	2-''''								1st Vib -44' Behind Flag. 8 sweep
5	N.R.J. test	2-''''								Vib #16344 Down, BUSTED hydraulic hoses
6	SIMILARITY	1-32sec	217	4		041			50%	F.O.T #041, TAPE MKTS
7	WIND STRIP	1-48sec	2			042			66%	B.O.T #042, 900 10sec ALL ONES.
8	603	505-600	2	4					50%	4 Vibs 50' SPACING 4 1/4 move UP.
9	604	506-601	3		1				50%	1st Vib -69' Behind Flag, 8 sweep.
10	605	507-602	4		2				50%	
11	606	508-603	5		1				50%	
12	607	509-604	6						50%	
13	608	510-605	7						50%	
14	609	511-606	8						50%	
15	610	512-607	9						50%	
16	611	513-608	10						50%	
17	612	514-609	11						50%	
18	613	515-610	12						50%	
19	614	516-611	13						50%	
20	615	517-612	14			042			50%	F.O.T #042, TAPE MKTS.
21	616	518-613	15	WIND STRIP		043			66%	B.O.T #043, 900 10sec ALL ONES
22	616	518-613	15						50%	
23	617	519-614	16						50%	
24	618	520-615	17						50%	
25	619	521-616	18						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN see REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y1100's 1-y900	TYPE GEOPHONE E+L+LV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length			OBSERVER B. PATTON	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 54

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Hills</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</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	588	620	522-617	19	4	missed sweep 043	CUT	IN	50%	
2	589	621	523-618	20					50%	
3	590	622	524-619	21					50%	
4	591	623	525-620	22	5	1			50%	Vib #16344 BACK ON LINE.
5	592	624	526-621	23		2			50%	
6	593	625	527-622	24					50%	
7	594	626	528-623	25					50%	
8	595	627	529-624	26					50%	
9	596	628	530-625	27		043			50%	E.O.T #043. TAPE MARKS
10	597	629	531-626	28	wind strip	044			60%	B.O.T #044, 900 10sec HILONES
11	598	629	531-626	28					50%	
12	599	630	532-627	29					50%	
13	600	631	533-628	30					50%	
14	601	632	534-629	31	4	8			50%	Vib #25874 Down, Guide column LOOSE.
15	602	633	535-630	32	5				50%	ON STA #632 Vib missed TONES, VIBS WERE IN Dead
16	SKIP	634	536-631	33					SKIP	spot: Due to Vib NOT RECEIVE TONES.
17	603	635	537-632	34		6			50%	
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services **55**  
Division  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>47</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			<i>1/15 sec</i>	038	OUT	IN		Recorder SET AT 538-539
2	E.M.T	2- " "								
3	D.R.D	4- " "								5 Vib 50' spacings 4 1/4 MOVE UP
4	sum test	2- " "								1st Vib -44' Behind Flag; 8 sweep.
5	N.R.T test	2- " "								
6	932 similarity	1-32sec	217	5						50%
7	528 wind strip	1-48sec	1							66Db
8	529 565	467-562	1	5						50%
9	530 566	468-563	2							50%
10	531 567	469-564	3							50%
11	532 568	470-565	4			038				50% E.O.T #038, TAPE MKT
12	533 569	471-566	5		wind strip	039				66Db B.O.T #039, 900 msec ALL ONES.
13	534 569	471-566	5							50%
14	535 570	472-567	6							50%
15	536 571	473-568	7							50%
16	537 572	474-569	8							50%
17	538 573	475-570	9							50%
18	539 574	476-571	10							50%
19	540 575	477-572	11							50%
20	541 576	478-573	12							50%
21	542 577	479-574	13							50%
22	SKIP	480-575	14							SKIP Due to Road conditions
23	543 579	481-576	15							50%
24	544 580	482-577	16							50%
25	545 581	483-578	17			039				50% E.O.T #039, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN see REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN      X			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE E-TELK22B	FREQUENCY 7.5 HZ	STATION INTERVAL 330'
REMARKS 8ms sample RATE / 48sec Record len			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVID	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division **56**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	546	484-579	18	5	Missed sweep	040	OUT	IN	66db	B.O.T# 040, 900 10sec All ones. WINDstrip File #546
2	547	484-579	18						50%	
3	548	485-580	19						50%	
4	549	486-581	20						50%	
5	550	487-582	21						50%	
6	551	488-583	22						50%	
7	552	489-584	23						50%	
8	553	490-585	24						50%	
9	554	491-586	25						50%	
10	555	492-587	26						50%	
11	556	493-588	27						50%	
12	557	494-589	28						50%	
13	558	495-590	29			040			50%	E.O.T# 040, TAPE MKTS
14	559	496-591	30	WIND	strip	041			66db	B.O.T# 041, 900 10sec All ones.
15	560	496-591	30						50%	
16	561	497-592	31	4					50%	Vib #16.344 Down, BUSTED hydraulic hoses
17	562	498-593	32						50%	
18	563	499-594	33						50%	
19	564	500-595	34						50%	
20	565	501-596	35						50%	
21	566	502-597	36						50%	
22	567	503-598	37						50%	
23	568	504-599	38						50%	
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

57

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP + DIRT ROAD</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</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	035	OUT	IN		Recorder SET AT 495-496
2	935 FINH	2- " "								
3	939 D.R.D	4- " "								5 Vibs 50' SPACING. 4 1/4 move UP
4	954 sum test	2- " "								1st Vib -44' Behind FLAG. 8 SWEEP
5	961 N.R.J	2- " "								
6	932 Similarity	1-32sec	217	5						50%
7	480 WINDstrip	1-48sec	240							66db NOTE: Lots of UNDER WATER stream ON LINE
8	481 521	423-518	240	4	1					50% Vib ON GRAVEL ROAD, 50% DRIVE.
9	482 522	424-519	1	5						50% Vib *17311 DOWN, Pre-charged trouble.
10	483 523	425-520	2							50%
11	484 524	426-521	3							50%
12	485 525	427-522	4							50%
13	486 526	428-523	5							50%
14	487 527	429-524	6	4	2					50% Vib *17311 DOWN, Diesel Leak.
15	488 528	430-525	7		2					50%
16	489 529	431-526	8		2					50%
17	490 530	432-527	9		1					50%
18	491 531	433-528	10			035				50% F.O.T *035, TAPE MKTS
19	492 532	434-529	11			wind strip 036				66db B.O.T *036, 900 10sec ALL ONES.
20	493 532	434-529	11	5						50% Vib *17311 BACK ON LINE.
21	494 533	435-530	12							50%
22	495 534	436-531	13		1					50%
23	496 535	437-532	14							50%
24	497 536	438-533	15							50%
25	498 537	439-534	16		1					50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		SWEEP PATTERN see REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      /     X
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y1100s 1-y900	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length,			OBSERVER M. Richey, R. PATTON	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 58

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road, Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	499	538	440-535	17	5	1	036	OUT	IN	50%	
2	500	539	441-536	18						50%	
3	501	540	442-537	19	1					50%	
4	502	541	443-538	20						50%	
5	503	542	444-539	21						50%	
6	504	543	445-540	22						50%	
7	505	544	446-541	23						50%	
8	506	545	447-542	24	1	036				50%	E.O.T #036, TAPE MKTS
9	507	546	448-543	25	wind	strip	037			66db	B.O.T #037, 900 10sec ALL ONES.
10	508	546	448-543	25						50%	
11	509	547	449-544	26						50%	
12	510	548	450-545	27						50%	
13	511	549	451-546	28						50%	
14	512	550	452-547	29						50%	
15	513	551	453-548	30						50%	
16	514	552	454-549	31						50%	
17	515	553	455-550	32						20%	20% DRIVE DUE TO DAM.
18	516	554	456-551	33	1					50%	
19	517	555	457-552	34	1					50%	
20	518	556	458-553	35						50%	
21	519	557	459-554	36	1					50%	
22	520	558	460-555	37	2	037				50%	EOT #037 Tape MKTS
23	521	559	461-556	38	wind	strip	038			66db	Bot #038 #900 10 sec ALL ONES.
24	522	559	461-556	38	2					50%	
25	523	560	462-557	39						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 59

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	524	561	463-558	40	5	038	OUT	IN	50%	
2	525	562	464-559	41	1				50%	
3	526	563	465-560	42					50%	
4	527	564	466-561	43	1				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.

60

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP &amp; Rolling Hills</b>	WEATHER <b>clear</b>	LINE NO. <b>#7</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			MISSING SWEEP	031	OUT	IN		Recorder SET AT 440-441
2	EINT	2-''''								
3	D.R.D	4-''''								5 Vibs 50' spacings 4 1/4 move up
4	SUM test	2-''''								1st Vib -44' BEHIND FLAG 8 sweep.
5	N.R.J.	2-''''								
6	SIMILARITY	1-32sec	21	5						30% Vib starting ON GRAVEL Road. STA# 481 1/2
7	WIND STOP	1-48sec	15							66db Vibs HAVE SWITCH END'S OF LINE, Vib ARE AT
8	481	383-478	15	5						50% Front OF LINE 3sta OFFSET, started to Pull
9	482	384-479	16							50% LINE From STA#481.
10	483	385-480	17			031				50% E.O.T#031, TAPE MKTS.
11	484	386-481	18		WIND STOP	032				66db B.O.T#032, 900, 10sec ALL ONES.
12	484	386-481	18							50%
13	485	387-482	19							50%
14	486	388-483	20							50%
15	487	389-484	21							50%
16	488	390-485	22							50%
17	489	391-486	23							50%
18	490	392-487	24							50%
19	491	393-488	25							50% traffic Begin to pick up.
20	492	394-489	26							50%
21	493	395-490	27							30% Vib BACK ON BLACK TOP, 30% DRIVE.
22	494	396-491	28							30%
23	495	397-492	29							30%
24	496	398-493	30			032				30% E.O.T#032, TAPE MKTS
25	497	399-494	31		WIND STOP	033				66db B.O.T#033, 900 10sec ALL ONES.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN see REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-V900	TYPE GEOPHONE E TELV22R	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms sample RATE/48 sec Record Length	OBSERVER R. PATTON	PARTY MGR. M. Richey	LINE DIR. 1 TO 24 E → W		

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

61

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-3-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Black Top Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#7</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	456	497	399-494	31	5	033	00LT	1N	30%	
2	457	498	400-495	32					30%	
3	458	499	401-496	33					30%	
4	459	500	402-497	34					30%	
5	460	501	403-498	35	1				30%	
6	461	502	404-499	36					30%	
7	462	503	405-500	37					30%	
8	463	504	406-501	38	1				20%	Vibs WENT TO 20% DRIVE. Due TO HI-WAY conditions
9	464	505	407-502	39					20%	
10	465	506	408-503	40	1				20%	
11	466	507	409-504	41	1	033			20%	EOT #033, TAPE MKTS.
12	467	508	410-505	7	1	034			40%	B.O.T #034, 900 uses #11 ONES
13	468	508	410-505	7					20%	Recorder moved UP AT 475-476
14	469	509	411-506	8					20%	
15	470	510	412-507	9	1				20%	
16	471	511	413-508	10					20%	
17	472	512	414-509	11					20%	
18	473	513	415-510	12					20%	
19	474	514	416-511	13	1				20%	
20	SKIP	515	417-512	14					SKIP	Due TO Road conditions
21	475	516	418-513	15					20%	Stacked last half.
22	476	517	419-514	16					20%	
23	477	518	420-515	17					50%	Vibs are BACK ON Dirt Road, AT 50%
24	478	519	421-516	18					50%	
25	479	520	422-517	19		034			50%	SIMILARITY AT END OF DAY. #932 EOT #034 TAPE MKTS.

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

62

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP + ROLLING HILLS</b>	WEATHER <b>Clear</b>	LINE NO. <b>#7</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				029	OUT	IN		Recorder SET AT 415-416
2	934 EINT	2- " "								
3	935 D.R.D	4- " "								5 Vibs 50' spacing 41 1/4 move UP, 1st Vib -44' Behind FLAG. 8 sweep
4	936 SUM TEST	2-48sec								
5	937 N.R.S.	2-6sec								
6	932 Similarity	1-32sec	217	5						50%
7	410 WINDSTRIP	1-48sec	24							66db
8	411 363	366-461	24	5	2					30%
9	412 364	367-462	25							Vibs ON BLACK TOP ROAD. 30% DRIVE.
10	413 365	368-463	26		1					30%
11	414 366	369-464	27							30%
12	415 367	370-465	28			029				30% E.O.T #029, TAPE MKTS.
13	416 368	371-466	29			030				66db R.O. #030, 900 10sec 241 ONES
14	417 368	371-466	29		1					30%
15	418 369	372-467	30							30% TRAFFIC PICKING UP ON LINE, Real NOISY.
16	419 370	373-468	31							30%
17	420 371	374-469	32							30%
18	421 372	375-470	33							30%
19	422 373	376-471	34							30%
20	423 374	377-472	35							30%
21	424 375	378-473	36							30%
22	425 376	379-474	37							30%
23	426 377	380-475	38							30%
24	427 378	381-476	39							30%
25	428 379	382-477	40							30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		SWEEP PATTERN See REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN             x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-1900	TYPE GEOPHONE E TELV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

63

CLIENT <b>COCORP</b>	AREA <b>NO CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>8-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP to Rolling Hills</b>	WEATHER <b>clear</b>		LINE NO. <b>7</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	429	380	383-478	41	5	Missed Sweep	030	MT	IN	30%	E.O.T# 030 TAPE MKTS
2	430	381	384-479	42			031			66Db	B.O.T# 031, 900 10sec 1411 ONES
3	431	381	384-479	42						30%	
4	432	382	385-480	43						30%	
5	433	383	386-481	44						30%	HI-WAY Department working on HI-WAY
6	434	384	387-482	45						20%	Vibs went to 20% Drive, Due to VIBS DEATING
7	SKIP	385	388-483	46						SKIP	HI-WAY.
8	SKIP	386	389-484	47						SKIP	Due to HI-WAY conditions.
9	SKIP	387	390-485	48						SKIP	" " " "
10	SKIP	388	391-486	49						SKIP	" " " "
11	435	389	392-487	24						20%	Recorder moved UP AT 440-441.
12	436	390	393-488	25						20%	
13	432	SIMILARITY	1-32sec	217						50%	
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 64

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	PULSE			missed sweep	028	OUT	IN		Recorder SET AT 399-400
2	934	EINT								B.O.T# 028, 900 10sec ALL ONES.
3	935	D.R.D								
4	936	SUMTEST								5 Vibs 50' spacing 41/4 move UP.
5	937	N.R.J.								1st Vib - 44' Behind FLAG. 8 sweep.
6	932	SIMILARITY	217	5	1					50E
7	391	WIND STRIP	18							66Db NOTE: 364 <sup>STA</sup> OPEN Due to WATER FAIL.
8	392	342	18	5		028				30E Vibs ON BLACK TOP, LOW DRIVE, 30% DRIVE
9	393	343	19							30E
10	394	344	20							30E
11	395	345	21							30E
12	396	346	22							30E
13	397	347	23							30E
14	398	348	24							30E
15	399	349	25							30E
16	400	350	26							30E
17	401	351	27							30E
18	402	352	28			028				30E E.O.T# 028, TAPE MKTS
19	403	353	29		wind strip	029				66Db R.O.T# 029, 900 10sec ALL ONES.
20	404	353	29							30E
21	405	354	30							30E
22	406	355	31							30E
23	407	356	32							30E
24	408	357	33							30E
25	SKIP	358	34							SKIP Due to Road conditions

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz/32sec</b>		SWEEP PATTERN <b>see REMARKS</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-V400</b>	TYPE GEOPHONE <b>ETELY 22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 48sec Record Length</b>			OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>J. DAVIS</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 65

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-30-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>BLACK TOP + ROLLING HILLS</i>	WEATHER <i>clear</i>		LINE NO. <i>#7</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	<i>SKIP 359</i>	<i>362-457</i>	<i>35</i>	<i>5</i>	<i>missed sweep</i>	<i>029</i>	<i>OUT</i>	<i>IN</i>	<i>SKIP</i>	<i>Doc to Road conditions</i>
2	<i>SKIP 360</i>	<i>363-458</i>	<i>36</i>						<i>SKIP</i>	<i>" " " "</i>
3	<i>SKIP 361</i>	<i>364-459</i>	<i>37</i>						<i>SKIP</i>	<i>" " " "</i>
4	<i>409 362</i>	<i>365-460</i>	<i>38</i>						<i>308</i>	
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 66

CLIENT <b>COCORP</b>	AREA <b>NO. CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-29-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP &amp; Rolling Hills</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	TAPES RL. NO.	F I L T E R			REMARKS
						LOCUT	60 ~	AMP	
1	933	PULSE			026	OUT	IN		Recorder SET AT 367-368
2	934	EINT							
3	935	D.R.D							5 Vib 50' spacing 4 1/4 move up
4	936	SUMTEST							1st Vib -44' Behind Flag. 8 sweep
5	937	N.R.S. TEST							
6	938	SIMILARITY	217	5				50%	
7	370	WINDSTIP	29					66db	NOTE: STA #346 NOISE, WATER FALL.
8	371	321	29	5				30%	Vib ON BLACK TOP ROAD. 30% DRIVE.
9	372	322	30					30%	
10	373	323	31					30%	
11	374	324	32					30%	
12	375	325	33					30%	
13	376	326	34					30%	
14	377	327	35					30%	
15	378	328	36		026			30%	F.O.T #026, TAPE MKTS.
16	379	329	37	WIND STIP	027			66db	B.O.T #027, 900 10sec ALLONES.
17	380	329	37					30%	
18	381	330	38					30%	
19	382	331	39					30%	
20	383	332	40					30%	
21	384	333	41	2				30%	
22	385	334	42					30%	
23	386	335	43					30%	
24	387	336	44					30%	
25	388	337	45					30%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32HZ/32sec</b>		SWEEP PATTERN <b>see REMARKS</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-Y1100V 1-Y900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample RATE/48sec Record Length</b>			OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>Z. DAVIS</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

67

CLIENT <i>COCORP</i>	AREA <i>NO, CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7- -80</i>
CREW NO. <i>6834</i>	TERRAIN <i>BLACK TOP &amp; ROLLING</i>	WEATHER <i>clear</i>		LINE NO. <i># 17</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	338	341-436	46	5	<i>MISSED SWEEP</i>	027	OUT	IN	30%	
2	SKIP	342-437	47							SKIP Due to Road condition.
3	SKIP	343-438	48							SKIP " " " "
4	340	344-439	49			027			30%	E.O.T #027, TAPE MAKES
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

68

CLIENT <b>COCORP</b>	AREA <b>NO, CALIFORNIA</b>	STATE <b>CALIF</b>	COUNTY <b>SIFERRA</b>	DATE <b>7-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>BLACK TOP &amp; ROLLING HILLS</b>	WEATHER <b>PARTLY CLOUDY</b>		LINE NO. <b># 7</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	024	OUT	IN		Recorder SET AT 343-344
2	934/935 FINT	2-11"								B.O.T #024, 900 10sec ALL ONES.
3	936/937 D.R.D	4-11"								
4	938/939 SUM test	2-48sec								4 Vibs 50' spacing 4 1/4 move UP.
5	940/941 NBS test	2-6sec								1st Vib 69' Behind FLAG. 8 sweep, 3 STA OFFSET.
6	932 SIMILARITY	1-32sec	217	4		024				50% Vib #17311 Down, Fixing All Leaks ON BACK hydraulic
7	343 WINDSTRIP	1-48sec	29							NOTE: STA #364 OPEN DUE TO UNDER WATER STREAM.
8	344 297	300-395	29	4						30% Vibs ON BLACK TOP Road, LOW DRIVE. 30%.
9	345 298	301-396	30							30%
10	346 299	302-397	31							30%
11	347 300	303-398	32		1					TRAFFIC NOISE ON LINE.
12	348 301	304-399	33							30%
13	349 302	305-400	34		1					30%
14	350 303	306-401	35		1					30%
15	351 304	307-402	36		1					30%
16	352 305	308-403	37							30%
17	353 306	309-404	38			024				EDT #024, TAPE MKCS
18	354 307	310-405	39		WINDSTRIP	025				66% B.O.T #025, 900 10sec ALL ONES.
19	355 307	310-405	39		2					30%
20	356 308	311-406	40							30%
21	357 309	312-407	41		1					30%
22	358 310	313-408	42							30%
23	359 311	314-409	43							30%
24	360 312	315-410	44							30%
25	361 313	316-411	45		1					30%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>10-32Hz / 32sec</b>		SWEEP PATTERN <b>See REMARKS</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>4-1100's 1-1900</b>	TYPE GEOPHONE <b>ETELV22P</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 48sec Record Length</b>			OBSERVER <b>R. PATTON, M. R. HAY</b>	PARTY MGR. <b>J. DAVIS</b>	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 69

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	314	317-412	46	4	<i>missed sweep</i>	025	OUT	IN	30%	TRAFFIC, PICKING UP ON LINE.
2	315	318-413	47						30%	
3	316	319-414	48						30%	
4	317	320-415	49						30%	
5	318	321-416	32						30%	Recorder moved UP AT <sup>TAP</sup> 361-362
6	319	322-417	33			025			30%	E.O. T# 025, TAPE MKTS.
7	320	323-418	34		<i>WIND strip</i>	026			60%	B.O. T# 026, 900 10sec ALL ONES
8	320	323-418	34						30%	
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. 70

CLIENT <b>COCORP</b>	AREA <b>NO. California</b>	STATE <b>California</b>	COUNTY <b>SIERRA</b>	DATE <b>7-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Black Top + Rolling Hills</b>	WEATHER <b>Clear</b>		LINE NO. <b>7</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	021	OUT	IN		Recorder set at 311-312
2	934/935	EINT								
3	936/937	DRD								5 Vibs 50' spacing 4 1/4 move up.
4	953-954	Sum Test								1st Vibs -44' Behind Flag. 8 sweep.
5	960/961	NRT TEST								4 Vibs 50' spacing 4 1/4 move up.
6	932	Similarity	217	5					50%	1st Vib -69 Behind Flag. 8 sweep.
7	313	Wind Strip	32						66db	Vib # 17311 Down, mass prebles
8	314	268	271-366	32	4	1			30%	Vibs ARE IN low Drive 30%.
9	315	269	272-367	33			021		30%	EOT # 021 Tape MKTs
10	316	270	273-368	34	wind strip		022		66db	BOT # 022 * 900 10 sec All ones.
11	317	270	273-368	34					50%	Vibs went to High Drive.
12	318	271	274-369	35					50%	
13	319	272	275-370	36					50%	NOTE: TRAFFIC PICKING UP ON LINE.
14	320	273	276-371	37	5				30%	Vibs went Back Low Drive, Starting to Dent Blacktop.
15	SKIP	274	277-372	38					30%	SKIP Vib # 17311 BACK ON LINE, ON STA # 273.
16	SKIP	275	278-373	39					30%	Due to Bad spots ON PAVEMENT.
17	321	276	279-374	40					30%	
18	322	277	280-375	41					30%	
19	323	278	281-376	42					30%	
20	324	279	282-377	43					30%	
21	325	280	283-378	44					30%	
22	326	281	284-379	45					30%	
23	327	282	285-380	46	1				30%	
24	328	283	286-381	47					30%	
25	329	284	287-382	48			022		30%	E.O.T # 022, TAPE MKTs

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32 sec		SWEEP PATTERN See REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 		REMARKS 8ms SAMPLE RATE / 48 sec Record Length	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-900	TYPE GEOPHONE E+ELV 22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS			OBSERVER R. PATTON, M. RICHES	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 71

CLIENT <b>COCORP</b>	AREA <b>NO, CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Black top + Rolling Hills</b>	WEATHER <b>clear</b>		LINE NO. # <b>7</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	330	285	288-383	17	windstrip	023	OUT	IN	66dB	B.O.T # 023, 900 10sec ALL ONES.
2	331	285	288-383	17	5				30%	Recorder moved UP AT 343-344.
3	332	286	289-384	18	1				30%	
4	333	287	290-385	19					30%	
5	334	288	291-386	20					30%	
6	335	289	292-387	21					30%	
7	336	290	293-388	22					30%	
8	337	291	294-389	23					30%	
9	338	292	295-390	24					30%	
10	339	293	296-391	25					30%	
11	340	294	297-392	26					30%	
12	341	295	298-393	27					30%	
13	342	296	299-394	28		023			30%	E.O.T. # 023, TAPE MKTS.
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.**

72

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 pulse	1 - 6 sec			missed Sweep	020	OUT	IN		Recorder SET AT 311-312
2	934/935 FINT	2 - " "								
3	936/939 D.R.D.	4 - " "								5 Vibs 50' spacing 41.74 move up
4	953/954 Sum TEST	2 - " "								1st Vib - 44' Behind FLAG. 8 sweep.
5	960/961 NRT TEST	2 - " "								
6	932 Similarity	1 - 32 sec	219	5						50%
7	300 Wind Strip	1 - 48 sec	21							60%
8	301 257	260-355	21	5	1					50%
9	302 258	261-356	22		4					50%
10	303 259	262-357	23		5					30% Vibs went to 30% DENTING BLACK TOP
11	304 260	263-358	24		2	020				30% E.O. + #020, TAPE MKTS.
12	305 261	264-359	25			021				60% B.O. + #021, 900 10SEC ALL ONES
13	306 261	264-359	25							30%
14	307 262	265-360	26							30%
15	308 263	266-361	27	4						30% Vib # 16344 Down, oil Leak.
16	309 264	267-362	28							30%
17	310 265	268-363	29	5						30% Vib # 16344 Back on Line
18	311 266	269-364	30		1					30%
19	312 267	270-365	31							30%
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10 → 32 Hz / 32 sec		SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN                 x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-11005 1-900	TYPE GEOPHONE FTLEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate 48 sec. Record Length			OBSERVER R. Patton	PARTY MGR M. Richey	
					PARTY MGR L. Davis



# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

74

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	283	220	223-318	23		019	OUT	IN	50%	
2	284	221	224-319	24					50%	
3	285	222	225-320	25					50%	
4	286	223	226-321	26					50%	
5	287	224	227-322	27					50%	
6	288	225	228-323	28					50%	
7	289	226	229-324	29					50%	
8	290	227	230-325	30					50%	
9	291	228	231-326	31					50%	
10	292	229	232-327	32					50%	
11	293	230	233-328	33					50%	
12	294	231	234-329	34		019			50%	F.O. #019, TAPE MKTS.
13	295	232	235-330	35	wind strip	020			66dB	B.O. #020, 900 10sec ALL ONES
14	296	232	235-330	35					50%	
15	297	233	236-331	36					50%	
16	298	234	237-332	37					50%	
17	SKIP	235	238-333	38					SKIP	Due to HI-WAY, STA # 235-258.
18	299	256	259-354	36					50%	Recorder moved OP AT 295-296 Vibs ON BLACK TOP. ON STA # 256
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

75

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933 PULSE	1-6sec			missed Sweep	015	DIKT	IN		Recorder SET AT BOT # 015 * 900 10sec All ones.
2	934 FINT	2- " "								
3	936 D.R.D	4- " "								
4	953 SUMtest	2- " "								5 Vibs 50' spacing 41.74 move UP
5	941 N.R.J. test	2- " "								1st Vibs -44' Behind FLAG. 8 SWEEP. 48sec
6	932 Similarity	1-32sec	217	5						50% Record Length.
7	226 WINDstrip	1-48sec	10							70db NOTE: cable accessing - HI-WAY SOME NOISE UP
8	227 169	172-267	10	5	1					50% Front, From STA 235-255.
9	228 170	173-268	11							50%
10	229 171	174-269	12		2					50%
11	230 172	175-270	13							50%
12	231 173	176-271	14							50%
13	232 174	177-272	15		2					50%
14	233 175	178-273	16							50%
15	234 176	179-274	17		1					50%
16	235 177	180-275	18		1					50%
17	236 178	181-276	19							50%
18	237 179	182-277	20							50%
19	238 180	183-278	21			015				50% E.O. + #015, TAPE MARKS
20	239 181	184-279	22			016				60db B.O. + #016, 900 10sec ALL ONES.
21	240 181	184-279	22							50%
22	241 182	185-280	23							50%
23	242 183	186-281	24							50%
24	243 184	187-282	25							50%
25	244 185	188-283	26							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz / 32sec		SWEEP PATTERN see REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11003 1-4900	TYPE GEOPHONE E+EVL22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 48sec Record Length			OBSERVER R. PATTON, M. RICHES	PARTY MGR. Z. DAVIS	

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

76

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF - SIERRA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-22-83</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road/hilly</b>	WEATHER <b>clear</b>	LINE NO. <b>*CAL 7</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	245	186	189-284	27	5	<del>FLY</del> 016	OUT	IN	50%	
2	246	187	190-285	28					50%	
3	247	188	191-286	29					50%	
4	248	189	192-287	30					50%	
5	249	190	193-288	31					50%	
6	250	191	194-289	32	2				50%	
7	251	192	195-290	33					50%	
8	252	193	196-291	34					50%	
9	253	194	197-292	35		016			50%	E.O.T * 016, TAPE MKTS
10	254	195	198-293	36	wind strip	017			66%	B.O. T * 017, 900 10sec ALL ONES.
11	255	195	198-293	36					50%	
12	256	196	199-294	37					50%	
13	257	197	200-295	38					50%	
14	258	198	201-296	39					50%	
15	259	199	202-297	40	1				50%	
16	260	200	203-298	41					50%	
17	261	201	204-299	42	1				50%	
18	262	202	205-300	43					50%	
19	263	203	206-301	44	1				50%	
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

77

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF/ SIERRA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-21-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road &amp; hilly</b>	WEATHER <b>clear</b>	LINE NO. <b># 7</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	012	OUT	IN		Recorder SET AT 183-184
2	934/935 FINT	2-" "								
3	936/937 D.R.D	4-" "								
4	938/939 SIMTEST	2-" "								
5	940/941 N.R.S test	2-" "								5 Vibs, 50' spacing, 4 1/4 wave UP, 1st Vibs - 44' Behind FLAG, 8 sweep, 48sec Record Length.
6	932 SIMILARITY	1-32sec	217	5						50%
7	192 WINDSTRIP	1-48sec	30							66Db
8	193 138	141-236	30	5						50%
9	194 139	142-237	31							50%
10	195 140	143-238	32		1					50%
11	196 141	144-239	33		2	012				50% E.O.T # 012, TAPE MKTS.
12	197 142	145-240	34		WINDSTRIPS	013				16Db B.O.T # 013, 900 10sec HILONES.
13	198 142	145-240	34							50%
14	199 143	146-241	35							50%
15	200 144	147-242	36							50%
16	201 145	148-243	37							50%
17	202 146	149-244	38							50%
18	203 147	150-245	39							50%
19	204 148	151-246	40							50%
20	205 149	152-247	41							50%
21	206 150	153-248	42		1					50%
22	207 151	154-249	43							50%
23	208 152	155-250	44							50%
24	209 153	156-251	45							50%
25	210 154	157-252	46			013				50% E.O.T # 013, TAPE MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec		SWEEP PATTERN See REMARKS		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN      X			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-4900	TYPE GEOPHONE ETEVL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE / 48sec Record Length			OBSERVER R. PATTON, M. Richey	PARTY MGR. L. DAVIS	

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

78

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

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	SWEEP	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	211	158-253	26		<del>SWEEP</del> windsweep	014	OUT	IN	66DB	B.O.T # 014, 900 10sec ALL ONES
2	212	158-253	26	5	1				50%	Recorder move UP At 204-205
3	213	159-254	27						50%	
4	214	160-255	28						50%	
5	215	161-256	29						50%	
6	216	162-257	30						50%	
7	217	163-258	31		2				50%	
8	218	164-259	32	4					50%	Vib # 23651 OUT.. 4 Vibs 1st Vibs STARTS 69' Behind
9	219	165-260	33		2				50%	Flag, 50' spacing 4 1/2 move-ups. 32sec Sweep 8 Sweeps.
10	220	166-261	34		2				50%	Vibs ARE IN and OUT OF Dead SPOTS MISSING
11	221	167-262	35		1				50%	TONES., Hilly, CURVEY Roads.
12	222	168-263	36		2				50%	
13	223	169-264	37		2				50%	
14	224	170-265	38		1				50%	
15	225	171-266	39			014			50%	EOT # 014 Tape MLTS.
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.**

79

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF / SIERRA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-20-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road - Hilly</b>	WEATHER <b>clear</b>	LINE NO. <b>7</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	010	OUT	IN		Recorder SET AT 167-168
2	934 EINT	2-11 "								
3	935 D.R.DI	4-11 "								5" Vib 50' spacing 4 1/2 move UP
4	936 Summit	2-11 "								1st - 44' Behind FLAG. 8 SWEEP, 10-32Hz/32sec
5	937 N.R.J. test	2-11 "								
6	932 SIMILARITY	1-32sec	217	5						50%
7	164 WINDSTRIP	1-48sec	21							66%
8	165 113	116-211	21	5						50%
9	166 114	117-212	22							50%
10	167 115	118-213	23							50%
11	168 116	119-214	24							50%
12	169 117	120-215	25							50%
13	170 118	121-216	26							50%
14	171 119	122-217	27			010				50% E.O.T # 010 TAPE MARKS
15	172 120	123-218	28		wind strip	011				66% B.O.T # 011, 900 10sec ALL ONES.
16	173 120	123-218	28							50%
17	174 121	124-219	29							50%
18	175 122	125-220	30		2					50%
19	176 123	126-221	31							50%
20	177 124	127-222	32		2					50%
21	178 125	128-223	33							50%
22	179 126	129-224	34							50%
23	180 127	130-225	35							50%
24	181 128	131-226	36							50%
25	182 129	132-227	37							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 10-32Hz/32sec	SWEEP PATTERN See REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100, 1-Y900	TYPE GEOPHONE ETELY22R	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/48sec Record Length	OBSERVER R. PATTON, M. Richey	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 E-W		

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

80

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF / SIERRA</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-20-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road / hilly</b>	WEATHER <b>clear</b>		LINE NO. <b>#7</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	130	133-228	38	5	MISSING SWEEP	011	OUT	IN	50%	
2	131	134-229	39		1	011			50%	E.D.T # 011, TAPE MKTS
3	132	135-230	40		WIND SWEEP	012			66%	B.O.T # 012, 900 10sec HILONES
4	132	135-230	40						50%	
5	133	136-231	41						50%	
6	134	137-232	42						50%	
7	135	138-233	43						50%	
8	136	139-234	44						50%	
9	137	140-235	46						50%	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 81

CLIENT <i>Co Corp</i>	AREA <i>No. Calif.</i>	STATE <i>CALIF.</i>	COUNTY <i>SIERRA</i>	DATE <i>7-19-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt. ROAD + hilly</i>	WEATHER <i>CLEAR</i>	LINE NO. <i>7</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE								Recorder SET AT 143-144
2	935	E.M.T								
3	939	D.R.D								5 Vibs 50' spacings. 41.25 move UP
4	954	Sum test								1st Vib - 44' Behind Flag. 8 Sweeps
5	961	NRS test								10-40 Hz / ALIAS 62.5 / 32 sec Sweep / 48 Record
6	932	Similarity	217	5						50%
7	139	windstrip	22							66% NOTE: UNDER WATER stream From STA#145-148
8	140	91	22	5						50% NOTE: 10-40 Hz / ALIAS 62.5 /
9	141	92	23							50%
10	142	93	24							50%
11	143	94	25							50%
12	144	95	26							50%
13	145	96	27							50%
14	146	97	28			008				50% E.O.T #008, TAPE MARKS
15	147	98	29			009				66% B.O.T #009, 900 VIBES ALL ONES.
16	148	98	29							50%
17	149	99	30							50%
18	150	100	31							50%
19	151	101	33							50% C.D.P. Behind BV ONE, ON STA#100 File #150.
20	152	102	34							50%
21	153	103	35							50%
22	154	104	36							50%
23	155	105	37							50%
24	156	106	38							50%
25	157	107	39							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>10-40 Hz / 32 sec</i>	SWEEP PATTERN <i>SEE REMARKS</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i>     X     </i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-1100's 1-900's</i>	TYPE GEOPHONE <i>ETELU228</i>	FREQUENCY <i>1.5 HZ</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms Sample Rate / 48 sec Record length</i>			OBSERVER <i>M. Richey</i>	PARTY MGR. <i>C. Davis</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

82

CLIENT <i>Cocorp</i>	AREA <i>No. Calif.</i>	STATE <i>Calif.</i>	COUNTY <i>SIERRA</i>	DATE <i>7-15-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt ROAD + Hilly</i>	WEATHER <i>Clear</i>	LINE NO. <i>7</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPÉ RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	108	111-206	40	5	<i>SWEEP MISSED</i>	009	out	IN	50%	
2	109	112-207	41			009			50%	<i>E.O.T. #009 TAPE MKTS</i>
3	110	113-208	42		<i>Windsteip</i>	010			66db	<i>B.O.T. #110 900 10 SEC. ALL ONES</i>
4	110	113-208	42						50%	
5	111	114-209	43						50%	
6	112	115-210	44						50%	
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.	LINE DIR. 1 TO 24		



**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

84

CLIENT <b>COCORP</b>	AREA <b>N. CAL. / SIERRA</b>	STATE <b>CAL.</b>	COUNTY <b>SIERRA</b>	DATE <b>7-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>MOUNTAINOUS - DIRT ROAD</b>	WEATHER <b>Clear &amp; Windy</b>		LINE NO. <b>02 7</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN <small>(CAL. 120)</small>	TAP RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	091	WINDSTRIP	72-167	14	5	005	OUT	IN	66dB	B.O.T. 005; FILE 900 ALL 1'S (10 sec.)
2	092	69	72-167	14	2				50%	4 Sweeps; WIND BEGINNING TO PICK UP SLIGHTLY
3	093	69	72-167	14	2				50%	8 "
4	094	70	73-168	15					50%	4 "
5	095	70	73-168	15					50%	8 "
6	096	71	74-169	16	1				50%	4 "
7	097	71	74-169	16					50%	8 "
8	098	72	75-170	17	3				50%	4 "
9	099	72	75-170	17	2				50%	8 "
10	100	73	76-171	18					50%	4 "
11	101	73	76-171	18					50%	8 "
12	102	74	77-172	19	2				50%	4 "
13	103	74	77-172	19	3				50%	8 "
14	104	75	78-173	20	3				50%	4 "
15	105	75	78-173	20		005			50%	8 " E.O.T. 005.
16	107	76	79-174	21	1	006			50%	4 " B.O.T. 006; FILE# 900 ALL 1'S: 10 sec
17	108	76	79-174	21	1				50%	8 " WIND STRIP ON FILE 106 (48 sec)
18	109	77	80-175	22					50%	4 "
19	110	77	80-175	22					50%	8 "
20	111	78	81-176	23					50%	4 "
21	112	78	81-176	23					50%	8 "
22	113	79	82-177	24					50%	4 "
23	114	79	82-177	24					50%	8 "
24	115	80	83-178	25					50%	4 "
25	116	80	83-178	25					50%	8 "

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

85

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

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	117	81	84-179	26	5	006	OUT	IN	50%	4 Sweeps
2	118	81	84-179	26					50%	8 "
3	119	82	85-180	27					50%	4 "
4	120	82	85-180	27		006			50%	E.O.T. #006; 8 Sweeps.
5	122	83	86-181	28	1	007			50%	B.O.T. #007 FILE 900 ALL 1's 10 sec.; 4 Sweeps
6	123	83	86-181	28	2				50%	Windstrip (48sec) on FILE # 121; 8 Sweeps
7	124	84	87-182	29						4 Sweeps
8	125	84	87-182	29	2					8 "
9	126	85	88-183	30	3					4 "
10	127	85	88-183	30						8 "
11	128	86	89-184	31	1					4 "
12	129	86	89-184	31						8 "
13	130	87	90-185	32	4					4 "
14	131	87	90-185	32						8 "
15	132	88	91-186	33	1					4 "
16	133	88	91-186	33						8 "
17	134	89	92-187	34						
18	135	89	92-187	34		007				E.O.T. 007.
19	137	90	93-188	35		008				B.O.T. 008 FILE 900 10 sec ALL 1's
20	138	90	93-188	35						WINDSTRIP on FILE # 136 - 48 sec
21										
22										END. of. DAY.
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.

86

CLIENT <i>COCORP</i>	AREA <i>NO. CALIF</i>	STATE <i>NO. CALIF</i>	COUNTY <i>SIERRA</i>	DATE <i>7-15-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + Hill</i>	WEATHER <i>Clear</i>	LINE NO. <i>7</i> Co. <i>7</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	<i>PULSE</i>	<i>1-6 sec</i>			<i>MISS on sweep</i>	<i>999</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 96-97</i>
2	<i>FINT</i>	<i>2-11 "</i>								
3	<i>D.R.D</i>	<i>4-11 "</i>								<i>4 Vibs 50' spacing 4 1/2 move up</i>
4	<i>SUMTEST</i>	<i>2-11 "</i>								<i>1st Vibs -69 1/2 Behind Flag 8 sweep</i>
5	<i>N.R.J. test</i>	<i>2-11 "</i>								<i>32 sec sweep / 48 sec Record Length.</i>
6	<i>Similarity</i>	<i>1-32 sec</i>	<i>217</i>	<i>5</i>		<i>999</i>			<i>50%</i>	<i>E.O. #999, TAPE MKTS</i>
7	<i>WINDSTIP</i>	<i>1-48 sec</i>	<i>6</i>			<i>001</i>			<i>66db</i>	<i>B.O. #001, 900 10sec ALL ONES</i>
8	<i>26</i>	<i>29-124</i>	<i>6</i>	<i>5</i>					<i>50%</i>	
9	<i>27</i>	<i>30-125</i>	<i>8</i>	<i>4</i>					<i>50%</i>	<i>VIB. # 17311 Down Due to Broken Guide Column trace.</i>
10	<i>28</i>	<i>31-126</i>	<i>7</i>						<i>50%</i>	
11	<i>29</i>	<i>32-127</i>	<i>8</i>						<i>50%</i>	
12	<i>30</i>	<i>33-128</i>	<i>9</i>						<i>50%</i>	
13	<i>31</i>	<i>34-129</i>	<i>10</i>						<i>50%</i>	
14	<i>32</i>	<i>35-130</i>	<i>11</i>						<i>50%</i>	
15	<i>33</i>	<i>36-131</i>	<i>12</i>						<i>50%</i>	
16	<i>34</i>	<i>37-132</i>	<i>13</i>						<i>50%</i>	
17	<i>35</i>	<i>38-133</i>	<i>14</i>						<i>50%</i>	
18	<i>36</i>	<i>39-134</i>	<i>15</i>						<i>50%</i>	
19	<i>37</i>	<i>40-135</i>	<i>16</i>						<i>50%</i>	
20	<i>38</i>	<i>41-136</i>	<i>17</i>			<i>001</i>			<i>50%</i>	<i>E.O. #001, TAPE MKTS</i>
21	<i>39</i>	<i>42-137</i>	<i>18</i>		<i>WINDSTIP</i>	<i>002</i>			<i>66db</i>	<i>B.O. #002, 900 10sec ALL ONES.</i>
22	<i>39</i>	<i>42-137</i>	<i>18</i>						<i>50%</i>	
23	<i>40</i>	<i>43-138</i>	<i>19</i>						<i>50%</i>	
24	<i>41</i>	<i>44-139</i>	<i>20</i>						<i>50%</i>	
25	<i>42</i>	<i>45-140</i>	<i>21</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>10.32Hz/32sec</i>		SWEEP PATTERN <i>Sec REMARK</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i>     X     </i>
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-Y11005 1-Y900</i>	TYPE GEOPHONE <i>ETELV22B</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 48.5sec Record Length</i>			OBSERVER <i>M. Richey</i>	PARTY MGR. <i>Z. Davis</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

457

CLIENT <b>COCORP</b>	AREA <b>NO, CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SIERRA</b>	DATE <b>7-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. # <b>Co # 17</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	053	43	46-141	22	4	4002	OUT	IN	50%	
2	054	44	47-142	23					50%	
3	055	45	48-143	24					50%	
4	056	46	49-144	25					50%	
5	057	47	50-145	26					50%	
6	058	48	51-146	27					50%	
7	059	49	52-147	28					50%	
8	060	50	53-148	29					50%	
9	061	51	54-149	30		002			50%	E.O. + #002, TAPE MKTS
10	062	52	55-150	31	WIND strip	003			50%	600 B.O. + #003, 900 10sec 1411 ORES.
11	063	52	55-150	31					50%	
12	064	53	56-151	32					50%	
13	065	54	57-152	33					50%	
14	066	55	58-153	34					50%	
15	067	56	59-154	35					50%	
16	068	57	60-155	36					50%	
17	069	58	61-156	37					50%	
18	070	59	62-157	38					50%	
19										
20										
21										
22										
23										
24										
25										

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

88

CLIENT <b>COCORP</b>	AREA <b>NO. CALIF</b>	STATE <b>CALIF</b>	COUNTY <b>SERRA</b>	DATE <b>7-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>Co 7</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse			MISSED SWEEP	997	OUT	IN		
2	934	EINT								
3	935	D.R.O								5 Vibs 50' spacing, 41/4" moved up
4	936	Sam test								1st Vib -44' BACK OF FLAG.
5	937	N.R.S. test								
6	932	Similarity	217	5					30%	10-40 Hz, 30% percent, 36 sec sweep 8 sweep
7	005	Wind strip	8						66Db	TESTING
8	006	1	8						50%	5 sta, OFFSET, 10-38 Hz, 32 sec sweep, 8 sweep
9	007	2	8						50%	4 " " "
10	008	3	8						50%	3 " " "
11	009	4	8			997			50%	2 " " E.O.T # 997, TAPE MKTS,
12	010	4	9	WIND STRIP		998			66Db	B.O.T # 998, 900 usec ALL ONES
13	011	4	9						50%	3 STA " OFFSET
14	012	5	10						50%	" " "
15	013	6	11						50%	" " "
16	014	7	12						50%	" " "
17	015	8	13						50%	NOISE TEST (Manual operation)
18	016	9	14						50%	" " " "
19	017	10	15						50%	Normal operation
20	018	11	16						50%	" " "
21	019	12	17						50%	Inc. Vib spacing to 100', w/ lead Vib @ +56' to
22	020	13	18						50%	Start. " " "
23	021	14	19						50%	Inc. Vib spacing to 200' w/ lead +256' of STA.
24	022	15	20						50%	" " " " " " " "
25	023	16	21			998			50%	Return to 50' Vib spacing; E.O.T. 998.

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 89

CLIENT <b>COCORP</b>	AREA <b>NORTHERN CAL / SIERRA</b>	STATE <b>CAL</b>	COUNTY <b>SIERRA</b>	DATE <b>7-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>FLAT MOUNTAINOUS; DIRT ROAD</b>	WEATHER <b>CLEAR</b>		LINE NO. <b>CAL # 7</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	025	17	20-115	22	5		999	OUT	IN	50%	B.O.T. 999 FILE 900 10 sec ALL 2's
2	026	18	21-116	23						50%	WINDSTRIP ON FILE # 024
3	027	19	22-117	24						50%	
4	028	20	23-118	25						50%	
5	029	21	24-119	26						50%	
6	030	22	25-120	27						50%	
7	031	23	26-121	28						50%	
8	032	24	27-122	29						50%	
9	033	25	28-123	30						50%	
10	034	26	29-124	31						50%	
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

PAGE  
90  
OF  
90

CLIENT <b>COCORP</b>		AREA <b>NO. CALIFORNIA</b>			STATE <b>CALIF</b>		COUNTY <b>SIERRA</b>		DATE <b>7-13-82</b>		
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road - hilly</b>			WEATHER <b>clear</b>				LINE NO. <b>Ca 7</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			PHYSICAL SUBJECT	997	OUT	IN		B.O. #997, 900 12sec ALL ONES.	
2	934/935 FINT	2-11 "								Recorder SET AT 72-72 1/2	
3	936/439 D.P.D	4-11 "									
4	953/654 SUM test	2-11 "								TESTING	
5	960/961 N.R.J. test	2-11 "									
6	932 SIMILARITY	1-32sec	217	5						30%	
7	001 WIND strip	1-52sec	28							66%	
8	002 98	48-95 1/2	28	5						50%	
9	003 146	48-95 1/2	28							50%	
10	004 194	48-95 1/2	28							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 <b>8-32Hz</b>		SWEEP PATTERN <b>TESTING</b>		SWEEPS PER PATTERN <b>8</b>			SWEEP PATTERNS PER SETUP <b>1</b>		PATCH PATTERN		
GEOPHONES PER PATCH <b>24</b>		NO. OF RECORDING PATCHES <b>96</b>		TYPE VIBRATOR <b>4-1100's 1-1900</b>		TYPE GEOPHONE <b>ETPLV22B</b>		FREQUENCY <b>7.5Hz</b>		STATION INTERVAL <b>330'</b>	
REMARKS							OBSERVER		PARTY MGR.		