

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCOPP	AREA Southern Calif	STATE California	COUNTY KEYN	DATE 2-1-82
CREW NO. 6834	TERRAIN Dirt. Shoulder	WEATHER Clear		LINE NO. 5

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60.~	AMP	
1 933	Pulse	1 - 6 sec			missed sweeps	654	OUT	IN		Recorder set At 72-73
2 934/935	FIAT	2 - " "								94 - OPEN Due to Road
3 936/939	DRD	4 - " "								135 - " " " "
4 953/954	Sum TEST	2 - " "								142 - " " " "
5 960/961	NRT TEST	2 - " "								
6 932	Similarity	1 - 32 sec	217	4					30%	Vib # 17311 Down. having large hoses made.
7 001	wind strip	1 - 52 sec	1						66db	
8 002	101	1 - 96	1						50%	
9 003	102	2 - 97	2						50%	
10 004	103	3 - 98	3						50%	
11 005	104	4 - 99	4						50%	
12 006	105	5 - 100	5						50%	
13 007	106	6 - 101	6						50%	
14 008	107	7 - 102	7		1				50%	
15 009	108	8 - 103	8						50%	
16 010	109	9 - 104	9			654			50%	Foot # 654 Tape MKTs
17 011	110	10 - 105	10	windstrip		655			66db	Bot # 655 #900 10 sec All ones.
18 012	110	10 - 105	10						50%	
19 013	111	11 - 106	11						50%	
20 014	112	12 - 107	12						50%	
21 015	113	13 - 108	13						50%	
22 016	114	14 - 109	14						50%	
23 017	115	15 - 110	15						50%	
24 018	116	16 - 111	16						50%	
25 019	117	17 - 112	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 4	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4 - 11005 1 - 900	
REMARKS 8ms Sample Rate / 52sec Record Length		TYPE GEOPHONE ETLEV 22B		FREQUENCY 7.5Hz	
OBSERVER R. Patton		STATION INTERVAL 330'		PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP		AREA southern CALIF			STATE CALIF		COUNTY Kern		DATE 2-1-81			
CREW NO. 6834		TERRAIN Dirt shoulder			WEATHER clear				LINE NO. 5			
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS		
							LOCUT	60 ~	AMP			
1	020	118	18-113	18	4	655	OUT	IN	50%	1st HAIF STACKED		
2	021	119	19-114	19					50%	LAST HAIF STACKED / moved ON BLACK TOP		
3	SKIP	120	20-115	20					SKIP	Due to cross country		
4	SKIP	121	21-116	21					SKIP	" " " "		
5	SKIP	122	22-117	22					SKIP	" " " "		
6	SKIP	123	23-118	23					SKIP	" " " "		
7	022	124	24-119	24	1				50%			
8	023	125	25-120	25		655			50%	E.O.T #655 TAPE MIXTS		
9	024	126	26-121	26	wind strip	656			66db	B.O.T #656, 900 10sec All ones		
10	025	126	26-121	26					50%			
11	026	127	27-122	27					50%			
12	027	128	28-123	28					50%			
13	028	129	29-124	29	1				50%			
14	029	130	30-125	30					50%			
15	030	131	31-126	31	1				50%			
16	SKIP	132	32-127						SKIP	Due to cross country + House 132-156		
17	"	133	33-128						SKIP	+ CALIFORNIA CITY - TOWN		
18	"	134	34-129						SKIP			
19	"	135	35-130						SKIP			
20	"	136	36-131						SKIP			
21	"	137	37-132						SKIP			
22	"	138	38-133						SKIP			
23	"	139	39-134						SKIP			
24	"	140	40-135						SKIP			
25	"	141	41-136						SKIP			
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL		LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT	AREA <i>Southern CALIF</i>	STATE <i>CALIF</i>	COUNTY <i>KERN</i>	DATE <i>2-1-82</i>
CREW NO.	TERRAIN	WEATHER		LINE NO. <i>5</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	142	42-138		4	<i>Missed Sweep</i>	656	OUT	IN	SKIP	
2	143	43-138							SKIP	
3	144	44-139							SKIP	
4	145	45-140							SKIP	
5	146	46-141							SKIP	
6	147	47-142							SKIP	
7	148	48-143							SKIP	
8	149	49-144							//	
9	150	50-145							//	
10	151	51-146							//	
11	152	52-147							//	
12	153	53-148							//	
13	154	54-149							//	
14	155	55-150							//	
15	156	56-151							//	
16	031 157	57-152	27						30%	Recorder moved UP #102-103
17	032 158	58-153	28						50%	
18	033 159	59-154	29						50%	
19	034 160	60-155	30						50%	
20	035 161	61-156	31						50%	
21	036 162	62-157	32			656			50%	E.O.T #656
22	037 163	63-158	33			657			66Db	B.O.T #657
23	038 163	63-158	33							
24										
25										

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Southern CALIF	STATE CALIFORNIA	COUNTY Kern	DATE 2-2-82
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER clear		LINE NO. 5

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								Rerorder set AT
2	EINT	2-11 "								94 - OPEN Due to Road
3	D.R.D	4-11 "								135 - " " " "
4	SCM test	2-11 "								142 - " " " "
5	X.R.S test	2-11 "								
6	932 Similarity	1-32 sec	217	5						30%
7	039 WIND strip	1-52 sec	1							60db
8	040 164	64-159	1							50%
9	041 165	65-160	2							50%
10	042 166	66-161	3							50%
11	043 167	67-162	4							50%
12	044 168	68-163	5							50%
13	045 169	69-164	6							50%
14	046 170	70-165	7							50%
15	047 171	71-166	8			657				50% E.O.T # 657 TAPE MKTS
16	048 172	72-167	9			658				60db B.O.T # 658, 900 10sec ALL ONES
17	049 172	72-167	9							50%
18	050 173	73-168	10							50%
19	051 174	74-169	11							50%
20	052 175	75-170	12							50%
21	053 176	76-171	13							50%
22	054 177	77-172	14							50%
23	055 178	78-173	15							50%
24	056 179	79-174	16							50%
25	057 180	80-175	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-32Hz/32 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 4	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE/52sec Record Length			OBSERVER M. Richey / J. Wingo	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Southern California	STATE CALIFORNIA	COUNTY KERN	DATE 2-2-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Clear	LINE NO. 5	

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	058	181	81-176	18	5	missed sweep 658	OUT	IN	50%	
2	059	182	82-177	19					50%	
3	060	183	83-178	20					50%	
4	061	184	84-179	21	WIND	strip 658			66db	E.O.T #658 TAPE MKTS
5	062	184	84-179	21		659			50%	R.O.T #659, 900 10sec All ones
6	063	185	85-180	22					50%	
7	064	186	86-181	23					50%	
8	065	187	87-182	24					50%	
9	066	188	88-183	25					50%	
10	067	189	89-184	26					50%	
11	068	190	90-185	27					50%	
12	069	191	91-186	28					50%	
13	070	192	92-187	29					50%	
14	071	193	93-188	30					50%	
15	072	194	94-189	31					50%	
16	073	195	95-190	32		659			50%	E.O.T #659 TAPE MKTS
17	074	196	96-191	33	WIND	strip 660			66db	R.O.T #660, 900 10sec All ones
18	075	196	96-191	33					50%	
19	076	197	97-192	34					50%	
20	077	198	98-193	35					50%	
21	078	199	99-194	36					50%	
22	079	200	100-195	37	1				50%	
23	080	201	101-196	38					50%	
24	081	202	102-197	39					50%	
25	082	203	103-198	40					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER <i>M. Richey / J. Wings</i>	PARTY MGR.	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA southern CALIF	STATE CALIF	COUNTY KERN	DATE 2-2-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER clear		LINE NO. 5

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	083	204	104-199	41	5	¹⁰¹⁵²⁰⁰ 660	OUT	IN	50%	Picking up noise on line, due to Air Force
2	084	205	105-200	42					50%	Jets flying above line.
3	085	206	106-201	43					50%	
4	086	207	107-202	44		660			50%	E.O.I. #660 Tape MKTS.
5	087	208	108-203	45	wind strip	661				B.O.T. #661 #900 10sec. All ones.
6	088	208	108-203	45					50%	
7	089	209	109-204	46					50%	
8	090	210	110-205	47					50%	
9	091	211	111-206	48					50%	
10	092	212	112-207	49					50%	
11	093	213	113-208	25					50%	Recorder moved UP At 160-161.
12	094	214	114-209	26					50%	
13	095	215	115-210	27					50%	
14	096	216	116-211	28					50%	
15	097	217	117-212	29					50%	
16	098	218	118-213	30	4				50%	Vib #14256, Down PAD BOLDS BROKE OFF.
17	099	219	119-214	31		661			50%	
18	100	220	120-215	32	wind strip	662			66Db	Traffic picking up along line, causing noise.
19	101	220	120-215	32					50%	
20	102	221	121-216	33					50%	
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA southern CALIFORNIA	STATE CALIF	COUNTY KERN	DATE 2-8-82
CREW NO. 6834	TERRAIN Dirt shoulders Road	WEATHER Clear	LINE NO. 5	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec			MISSED Sweep	662	OUT	1X		Recorder set at 193-194
2	934/935 EINT	2-11 "								
3	936/937 D.R.D	4-11 "								Record set at 8 sweep, per STA"
4	953/954 SUM test	2-11 "								
5	960/961 N.R.S test	2-11 "								
6	932 SIMILARITY	1-32 sec	217	4						30%
7	103 WIND STRIP	1-52 sec	1							60Db
8	104 222	122-217	1							50%
9	105 223	123-218	2							50%
10	106 224	124-219	3							50%
11	107 225	125-220	4							50%
12	108 226	126-221	5							50%
13	109 227	127-222	6			662				50% E.O.T #662 TAPE MKTS
14	110 228	128-223	7	WIND strip		663				60Db R.O.T #663, 900 10sec ALL ONES
15	111 228	128-223	7							50%
16	112 229	129-224	8							50%
17	113 230	130-225	9							50%
18	114 231	131-226	10							50%
19	115 232	132-227	11							50%
20	116 233	133-228	12							50%
21	117 234	134-229	13							50%
22	118 235	135-230	14							50%
23	119 236	136-231	15							50%
24	120 237	137-232	16							50%
25	121 238	138-233	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 32Hz/32sec sweep	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN x 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-y1100's 1-V900	TYPE GEOPHONE E+FL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/52sec Record Length			OBSERVER M. Richey	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA Southern CALIF	STATE Southern CALIF	COUNTY Keim	DATE 2-8-82
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER clear		LINE NO. 5

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	122	239	139-234	18	4	MISSED SW-SEP 663	OUT	IN	50%	E.O.T #663 TAPE MKTS
2	123	240	140-235	19	WIND STRIP	664			60db	B.O.T #664, 900 10sec All ones
3	124	240	140-235	19					50%	
4	125	241	141-236	20					50%	
5	126	242	142-237	21					50%	
6	127	243	143-238	22					50%	
7	128	244	144-239	23					50%	
8	129	245	145-240	24					50%	
9	130	246	146-241	25					50%	
10	131	247	147-242	26					50%	
11	132	248	148-243	27					50%	
12	133	249	149-244	28					50%	
13	134	250	150-245	29					50%	
14	135	251	157-246	30		664			50%	E.O.T #664 TAPE MKTS
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS			OBSERVER <i>M. Riehey / J. Urigo</i>	PARTY MGR.	

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OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

CLIENT COCO RP	AREA Southern CALIF	STATE CALIF	COUNTY KERN	DATE 2-9-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Clear - WINDY		LINE NO. 5

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1 933	Pulse	1-6 sec				MISS 3-2-82 665	OUT	IN		BOT # 665, 900 10sec ALL ONES
2 934	E. INT	2- " "								Recorder set AT 223-224
3 936	D.R.D	4- " "								BACK to 4 sweep per STA"
4 937	sum test	2- " "								Vib # 14256, DOWN NEW PAD BEING WORK ON
5 938	N.R.S test	2- " "								ON
6 932	SIMILARITY	1-32 sec	217	4						30%
7 136	WIND strip	1-52 sec	1							66Db
8 137	252	152-247	1							50%
9 138	253	153-248	2							50%
10 139	254	154-249	3							50%
11 140	255	155-250	4							50%
12 141	256	156-251	5							50%
13 142	257	157-252	6							50%
14 143	258	158-253	7							50%
15 144	259	159-254	8							50%
16 145	260	160-255	9							50%
17 146	261	161-256	10			665				50% EOT # 665 TAPE WORKS
18 147	262	162-257	11			666				66Db BOT # 666, ALL ONES
19 148	263	163-258	12							50%
20 149	263	163-258	13							50%
21 150	264	164-259	14							50%
22 151	265	165-260	15							50%
23 152	266	166-261	16							50%
24 153	267	167-262	17							50%
25 154	268	168-263	18							50%

H.O.S
47 sec
2.63
cover

TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	REMARKS
24	96	4/163	4/163
SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	SWEEP PATTERNS
24	4	1	1
RECORDING PATCH	RECORDING PATCH	TYPE INDICATOR	TYPE RECORDING
24	96	4-1/1000	ETELDR
RECORDING RATE	RECORD LENGTH	OBSERVER	DATE
1/32 sec	Record Len	M. Richards	2-9-82

SERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

CLIENT COCORP	AREA Southern Calif	STATE CALIF	COUNTY KERN	DATE 2-9-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER cloudy + windy		LINE NO. 5

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	269	169-264	18	4	MISSED SWEEP	666	OUT	IN	50%	
2	270	170-265	19						50%	
3	271	171-266	20						50%	
4	272	172-267	21		1	666			50%	E.O.T #666, TAPE WIKES
5	273	173-268	22		windstrip	667			66dB	B.O.T #667, 900 10sec All ones
6	273	173-268	22	5	1				50%	BACK with 5 trucks
7	274	174-269	23						50%	
8	275	175-270	24						50%	
9	276	176-271	25						50%	
10	277	177-272	26						50%	
11	278	178-273	27		1				50%	
12	279	179-274	28						50%	
13	280	180-275	29						50%	
14	281	181-276	30	4					50%	BACK with 4 tracks, Vib # 23651 DOWN
15	282	182-277	31		1				50%	
16	283	183-278	32	5	3				50%	BACK ON line with 5 trucks
17	284	184-279	33		1				50%	
18	285	185-280	34			667			50%	E.O.T #667 TAPE WIKES
19	286	186-281	35		wind strip	668			50%	B.O.T 668, 900 10sec All ones.
20	286	186-281	35						50%	wind picking up.
21	287	187-282	36						50%	
22	288	188-283	37						50%	Traffic on line.
23	289	189-284	38		1				50%	
24	290	190-285	39		1				50%	
25	291	191-286	40		3				50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
GEOPHONES PER PATCH	NO. OF RECORDING PATCHES	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	STATION INTERVAL
REMARKS 8ms/SAMPLE RATE/52sec Record			OBSERVER	PARTY MGR.	

SERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

CLIENT	AREA	STATE	COUNTY	DATE
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CREW NO.	TERRAIN	WEATHER	LINE NO.
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REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	180 292	192-287	41	5	30-40	668	OUT	IN	50%	
2	181 293	193-288	42						50%	
3	182 294	194-289	43						50%	
4										
5										
6										
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27										
28										
29										
30										

TOTAL SWEEPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	TOTAL RECORDS	TOTAL PATCHES
SWEEP FREQUENCY	SWEEP PATTERN	SWEEPS PER PATTERN	SWEEP PATTERN PER SWEEP		
RECORDS PER PATCH	NO. OF RECORDS PER PATCH	TYPE VIBRATOR	TYPE GEOPHONE	FREQUENCY	TYPE
REMARKS	OBSERVER		PARTY		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

Exploration Services 12
Division
Geosource Inc.

CLIENT COLCORP	AREA southern CALIF	STATE CALIF	COUNTY Kern	DATE 2-12-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Cloudy + wet	LINE NO. 5	

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	668	OUT	IN		Recorder set AT 267-268
2	934/35 EINT	2-11"								
3	936/39 D.R.D	4-11"								
4	953/54 sum test	2-11"								
5	960/61 N.R.S. test	2-11"								Vib # 23652 DOWN
6	932 SIMILARITY	1-32sec	217	4		668			30%	EOT # 668 Tape MKTS.
7	183 WINDSTRIP	1-52sec	240			669			66Db	ROT # 669 #900 10 sec All ones
8	184 295	195-290	240						50%	
9	185 296	196-291	1	1					50%	
10	186 297	197-292	2						50%	
11	187 298	198-293	3						50%	
12	188 299	199-294	4						50%	
13	189 300	200-295	5						50%	
14	190 301	201-296	6						50%	
15	191 302	202-297	7						50%	
16	192 303	203-298	8						50%	
17	193 304	204-299	9						50%	
18	194 305	205-300	10						50%	Vibs# moved to other SIDE OF Road
19	195 306	206-301	11			669			50%	E.O.T #669 TAPE MKTS
20	196 307	207-302	12	WIND STRIP		670			66Db	ROT #670 #900 10sec All ones
21	197 307	207-302	12						50%	
22	198 308	208-303	13						50%	
23	199 309	209-304	14						50%	
24	200 310	210-305	15						50%	
25	201 311	211-306	16	1					50%	PICKING UP NOISE ON LINE

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 832Hz/32sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 4	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN x 	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE E+EL22B	FREQUENCY 75Hz	STATION INTERVAL 330'
REMARKS 8ms Sample RATE/32sec Record Len		OBSERVER M. Richer, R. Patton	PARTY MGR. F. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA southern California	STATE CALIF	COUNTY Kern	DATE 2-12-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER cloudy & wet		LINE NO. 5

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	202	312	212-307	17	4	670	OUT	IN	30%	V.P #312 Picked up NOISE From Back of Line, A Quick Burst TO FRONT of Line.
2	203	313	213-308	18					50%	
3	204	314	214-309	19					50%	
4	205	315	215-310	20					50%	
5	206	316	216-311	21					30%	1st HALF stacked
6	SKIP	317	217-312	22					SKIP	Due to WATER PUMP
7	207	318	218-313	23					30%	LAST HALF stacked
8	208	319	219-314	24		670			50%	E.O.T #670, TAPE MKTS
9	209	320	220-315	25	wind strip	671			66db	B.O.T #671, 900 10sec ALL ONES
10	210	320	220-315	25					50%	
11	SKIP	321	221-316	26					SKIP	Due to PIPE LINE X BACK ON OTHER SIDE OF ROAD
12	211	322	222-317	27					50%	
13	212	323	223-318	28					50%	
14	213	324	224-319	29					30%	
15	SKIP	325	225-320	30					SKIP	Due to WATER well.
16	214	326	226-321	31					30%	LAST HALF stacked.
17	215	327	227-322	32	1				50%	
18	216	328	228-323	33	1				30%	
19	SKIP	329	229-324	34					SKIP	Due to PIPE Line
20	217	330	230-325	35	1				30%	
21	218	331	231-326	36	4				50%	
22	219	332	232-327	12					50%	Recorder moved UP Between 292-293
23	SKIP	333	233-228	13					SKIP	333 to 338 SKIP Due to WATER well and
24	SKIP	334	234-229	14					SKIP	Houses, PIPE Line
25	SKIP	335	235-230	15					SKIP	

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT		AREA		STATE		COUNTY		DATE		
COCORP		Southern California		California		Kern		2-12-82		
CREW NO.		TERRAIN		WEATHER		LINE NO.				
6834		Dirt Shoulder		Partly Cloudy		5				
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	SKIP 336	236-231	16	4			OUT	IN	SKIP	
2	SKIP 337	237-232	17						SKIP	
3	SKIP 338	238-233	18						SKIP	
4	220 339	239-234	19			671			30%	STACKED LAST HALF / E.M.T #671 TAPE MKTS Vib #14256 Down, bad hose Bad Leak.
5										
6		235								
7										
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25										
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL
REMARKS						OBSERVER		PARTY MGR.		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Southern Calif	STATE California	COUNTY Kern	DATE 2-15-82
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER Partly Cloudy + windy	LINE NO. 5	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				692	OUT	IN		BO.T #692, 900 10sec ALL ONES
2	934/935 FINT	2 - " "								PICKING UP NOISE FROM MINES, PUMPS
3	936/939 DRD	4 - " "								STA" NO.S, 341 to E.O.L
4	953/954 Sum TEST	2 - " "								Vib # 23652 Down, PUMP
5	960/961 NRS TEST	2 - " "								
6	932 Simplicity	1 - 32 sec	217	4					30%	LOT OF TRAFFIC ALONG LINE.
7	221 Wind strip	1 - 52 sec							60DB	
8	SKIP 340	240-335	2						SKIP	Due to WATER well.
9	222 341	241-336	3						30%	STACKED 1st HALF
10	SKIP 342	242-337	4						SKIP	Due to WATER well.
11	223 343	243-338	5						30%	STACKED ON LAST HALF
12	224 344	244-339	6						50%	
13	225 345	245-340	7						50%	
14	226 346	246-341	8						30%	STACKED 1st HALF
15	SKIP 347	247-342	9						SKIP	Due to HOUSE
16	SKIP 348	248-343	10						SKIP	" " "
17	SKIP 349	249-344	11						SKIP	Due to HOUSE, WATER PUMPS
18	SKIP 350	250-345	12						SKIP	" " "
19	SKIP 351	251-346	13						SKIP	" " "
20	SKIP 352	252-347	14						SKIP	" " "
21	SKIP 353	253-348	15						SKIP	" " "
22	SKIP 354	254-349	16						SKIP	" " "
23	227 355	255-350	17						30%	
24	228 356	256-351	18						50%	
25	229 357	257-352	19						30%	STACKED 1st HALF

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 4	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 ETL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten / M Richey	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 S → N		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COLORP	AREA Southern California	STATE CALIF	COUNTY KERN	DATE 2-15-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER partly cloudy & windy		LINE NO. 5

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	SKIP 358	258-353	20	4	13155dB	672	DUT	IN	SKIP	
2	230 359	259-354	21						30%	STACKED LAST HALF
3	231 360	260-355	22			672			50%	E.O.T #672, TAPE MKTS
4	232 361	261-356	23	wind	strip	673			60%	B.O.T #673, 900 10sec ALL ONES
5	233 361	261-356	23						50%	
6	234 362	262-357	24						50%	
7	235 363	263-358	25						30%	
8	SKIP 364	264-359	26						SKIP	DUE TO WATER WELL
9	SKIP 365	265-360	27						SKIP	" " " "
10	SKIP 366	266-361	28						SKIP	DUE TO HOUSE
11	SKIP 367	267-362	29						SKIP	TRAIN TRACK, WATER WELL
12	236 368	268-363	30						50%	
13	237 369	269-364	31						50%	WINDS PICKING UP.
14	238 370	270-365	32						50%	
15	239 371	271-366	33						50%	
16	240 372	272-367	34						50%	
17	241 373	273-368	35		1				50%	
18	242 374	274-369	36						50%	
19	243 375	275-370	37						50%	
20	244 376	276-371	38		1	673			50%	E.O.T #673, TAPE MKTS.
21	245 377	277-372	39	wind	strip	674			54%	B.O.T #674, 900 10sec ALL ONES.
22	246 377	277-372	39		1				50%	
23	247 378	278-373	40						50%	
24	248 379	279-374	41						50%	
25	249 380	280-375	42						50%	

TOTAL SETUPS 8-32Hz	TOTAL SWEEPS 4163	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/32sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 4	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+EL22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS 8ms SAMPLE RATE/52sec Record Len		OBSERVER R. Patton / M. Richey		PARTY MGR.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA Southern California	STATE CALIF	COUNTY KERN	DATE 2-15-82
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER partly cloudy		LINE NO. 5

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	381	281-376	43	4	MISSING SWEEP	674	OUT	IN	50%	E.O.L #674, TAPE MKTS / E.O.L #5 STACKED, 1st HALF
2	382	282-377	44			674			50%	
3										
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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.					