

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

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**Exploration Services  
Division  
Geosource Inc.**

CLIENT <b>COCOP</b>	AREA <b>UTAH</b>	STATE <b>Utah</b>	COUNTY <b>MILLARD</b>	DATE <b>4-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec			missed Sweeps	801	OUT	IN		Bot # 801 #900 10 sec All ones
2	934/935 EINT	2- " "								Recorder SET AT 72-72 1/2.
3	936/939 DRD	4- " "								
4	953/959 SUMTEST	2- " "								Vibs 4 STA OFFSET (8 sweep) 165 STA INTERVAL PATED.
5	960/961 NRT TEST	2- " "								Similarity taken with 16 sec sweep length.
6	932 Similarity	1-16 sec	217	4						30% Vib #14256 ON way to HOUSTON.
7	001 Wind Strip	1-52 sec	24							100% Changed sweep length to 32 sec & wind strip back to 52 sec Record.
8	002 44	48-96	24		1					50% STACKED. Vibs ARE Bump to Bump.
9	003 44	48-96	24							50% 1st Vib 69' From Flag 50' SPACING 41.25 move up.
10	004 44	48-96	24		1					50% 1st Vib 32' From Flag 75' SPACING 41.25 move up.
11	005 44	48-96	24							50% 1st Vib 6' ON OTHER SIDE OF FLAG, 100' SPACING 41.25
12	006 44	48-96	24							50% move UP; 1st Vib 155' ON OTHER SIDE OF FLAG. 200' -
13	007 100	48-96	24							50% SPACING 41.25 move UP, STACKED, Vibs ARE Bump to Bump.
14	008 100	48-96	24							50% Move up pad length Each time. ON V.P. 100 4 station offset
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec	SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y 900	TYPE GEOPHONE ETLEU 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 165'
REMARKS 8ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton	PARTY MGR. M. Richey W → E	

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DIGITAL VIBROSEIS RECORDER**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	DATE <b>4-29-82</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			801	OUT	IN		Recorder SET AT 72-73
2	934/935	EINT	2 - " "							
3	936/939	DRD	4 - " "							
4	953/954	Sum TEST	2 - " "							
5	960/961	NRT TEST	2 - " "							Vibs 4 STA OFFSET. Sweep Fq 8-32Hz (8 sweep)
6	932	Similarity	1 - 32 sec	217	4	801			30%	EOT #801 Tape MKTS. - TESTING For the DAY
7	009	Wind strip	1 - 52 sec	8		802			66dB	BOT #802 #900 10 sec All ones.
8	010	6	10-105	10	4	3			50%	1st Vib START ON Flag. Bump to Bump. move UP Pad
9	011	6	10-105	10					50%	Length 1st Vib 69' From Flag. SPACING 50' move UP 41.25
10	012	6	10-105	10					50%	1st Vib 6' ON other side OF Flag. SPACING 100' move UP 41.25
11	013	6	10-105	10					50%	1st Vib 156' ON other side OF Flag. SPACING 200' move
12	014	109	10-105	10					50%	UP 41.25. 1st Vib 69' From Flag. SPACING 50' move UP 41.25
13	015	6	10-105	10		3			50%	Sweep Freq 10-32Hz. For the DAY ONLY.
14	016	7	11-106	11		2			50%	1st Vib 6' ON other side OF Flag. SPACING 100' move UP 41.25
15	017	8	12-107	12					50%	
16	018	9	13-108	13					50%	
17	019	10	14-109	14					50%	
18	020	11	15-110	15		2			50%	
19	021	12	16-111	16		802			50%	E.O.T #802, TAPE MKTS
20	022	13	17-112	17	WIND STRIP	803			66dB	B.O.T #803, 900 10sec All ones.
21	023	13	17-112	17					50%	
22	024	14	18-113	18					50%	
23	025	15	19-114	19					50%	
24	026	16	20-115	20					50%	
25	027	17	21-116	21					50%	

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

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CLIENT <b>LOCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>4-29-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>PARTLY clear</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS		
							LOCUT	60~	AMP			
1	028	18	22	-117	22	4	MISSING SWEEP	803	OUT	IN	50%	
2	029	19	23	-118	23						50%	
3	030	20	24	-119	24						50%	
4	031	21	25	-120	25						50%	
5	032	22	26	-121	26						50%	
6	033	23	27	-122	27						50%	
7	034	24	28	-123	28		803				50%	E.O. + #803, TAPE MIXTS
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 <b>8.32Hz/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-V-900</b>	TYPE GEOPHONE <b>E+LEV225</b>	FREQUENCY <b>7.5HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE/32sec Record Length</b>			OBSERVER <b>R. PATTON, M. RICHEY</b>	PARTY MGR. <b>L. DAVIS</b>	LINE DIR. <b>1 TO 24 W7E</b>

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>4-30-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec			Missed sweeps	804	OUT	T.V		B.O. #804, 900 10sec All ones.
2	<del>934</del> EINT	2- " "								Recorder set AT 100-101
3	<del>936</del> DRD	4- " "								4 Vib, 1st vib 6' From Flag 100' spacing Between
4	<del>953</del> Sum TEST	2- " "								Vibs. 4/25' move ups.
5	<del>969</del> NRS TEST	2- " "								
6	932 Similarity	1-32 sec	217	4					30%	Vib #14256 Returned To Houston For Replacement.
7	035 Wind Strip	1-52 sec	1						66Db	
8	036 25	29-124	1		3				50%	4 sweeps
9	037 25	29-124	1						50%	8 sweeps
10	038 26	30-125	2						50%	4 sweeps
11	039 26	30-125	2						50%	8 sweeps
12	040 27	31-126	3						50%	4 sweeps
13	041 27	31-126	3		1				50%	8 sweeps
14	042 28	32-127	4						50%	4 sweeps
15	043 28	32-127	4						50%	8 sweeps
16	044 29	33-128	5						50%	4 sweeps
17	045 29	33-128	5		1	804			50%	8 sweeps. EOT #804 Tape MKTs
18	046 30	34-129	6		WIND strip	805			66Db	BOT #805 *900 10 sec All ones
19	047 30	34-129	6						50%	4 sweep.
20	048 30	34-129	6						50%	8 sweep.
21	049 31	35-130	7						50%	4 sweeps
22	050 31	35-130	7						50%	8 sweeps
23	051 32	36-131	8						50%	4 sweeps
24	052 32	36-131	8						50%	8 sweeps.
25	053 33	37-132	9						50%	4 sweeps

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 11005	
TYPE GEOPHONE ETLEU22B		FREQUENCY 7.5 Hz		STATION INTERVAL 330'	
REMARKS 8ms Sample Rate / 52 sec Record Length		OBSERVER R. Patten / M Richey		PARTY MGR. L. Davis	

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>4-30-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	054	33	37-132	9	4		805	OUT	IN	50%	8 sweeps
2	055	34	38-133	10		1				50%	4 sweeps
3	056	34	38-133	10						50%	8 sweeps.
4	057	35	39-134	11		1				50%	4 sweeps
5	058	35	39-134	11		1	805			50%	8 sweep E.O.T #805, TAPE MKTS
6	059	36	40-135	12		wind strip	806			66db	B.O. #806 #900 10sec All ones
7	060	36	40-135	12						50%	4 sweep. 1st Vib 69' From Flag. 50' spacings.
8	061	36	40-135	12						50%	8 sweeps move up 41.25.
9	062	37	41-136	13						50%	4 sweeps
10	063	37	41-136	13						50%	8 sweeps
11	064	38	42-137	14						50%	4 sweeps
12	065	38	42-137	14						50%	8 sweeps
13	066	39	43-138	15						50%	4 sweeps
14	067	39	43-138	15						50%	8 sweeps
15	068	40	44-139	16						50%	4 sweeps
16	069	40	44-139	16		1				50%	8 sweeps
17	070	41	45-140	17						50%	4 sweeps
18	071	41	45-140	17			806			50%	8 sweeps E.O.T #806 TAPE MKTS
19	072	42	46-141	18		wind strip	807			66db	B.O. #807, 900 10sec All ones.
20	073	42	46-141	18						50%	4 sweeps
21	074	42	46-141	18						50%	8 sweeps
22	075	43	47-142	19						50%	4 sweeps
23	076	43	47-142	19						50	8 sweeps
24	077	44	48-143	20						50%	4 sweeps
25	078	44	48-143	20						50%	8 sweeps

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

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**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>4-30-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
<i>1</i>	<i>079</i>	<i>45</i>	<i>49-144</i>	<i>21</i>	<i>4</i>	<i>807</i>	<i>DIT</i>	<i>1N</i>	<i>50%</i>	<i>4 sweeps</i>
<i>2</i>	<i>080</i>	<i>45</i>	<i>49-144</i>	<i>21</i>					<i>50%</i>	<i>8 sweeps.</i>
3										
4										
5										
6										
7										
8										
9										
10										
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12										
13										
14										
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23										
24										
25										

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

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**Exploration Services  
Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear - Windy</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			Missed Sweep	807	OUT	IN		Recorder set AT 112-113
2	934 EINT	2-11"								
3	935 D.R.D	4-11"								
4	936 SUM test	2-11"								
5	937 N.R.J. test	2-11"								
6	932 SIMILARITY	1-32sec	217	4		807			30%	FOT * 807 TAPE mts
7	081 WIND strip	1-52sec	10			808			66db	BOT * 808 * 9.00 10 sec All ones
8	082 46	50-145	10	4			4sweep		50%	4 Vibs 32sec SWEEP. 20 LISTENING, 52sec total (8sweep)
9	083 46	50-145	10		1		8sweep		50%	6' ON other SIDE Flag. 100' SPACING. 41.25 INCH UP.
10	084 47	51-146	11		2				50%	4.5 SWEEPS.
11	085 47	51-146	11						50%	8 SWEEPS.
12	086 48	52-147	12		2				50%	4 SWEEPS.
13	087 48	52-147	12		2				50%	8 SWEEPS.
14	088 49	53-148	13		2				50%	4 SWEEPS.
15	089 49	53-148	13		2				50%	8 SWEEPS.
16	090 50	54-149	14						50%	4 SWEEPS.
17	091 50	54-149	14						50%	8 SWEEPS. WINDS ARE 15-17 MPH steady.
18	092 51	55-150	15						50%	4 SWEEPS.
19	093 51	55-150	15			808			50%	8 SWEEPS. F.O.T * 808 TAPE mts.
20	094 52	56-151	16	WIND strip		809			66db	B.O.T * 809, 9.00 10sec All ones.
21	095 52	56-151	16						50%	4 SWEEPS.
22	096 52	56-151	16						50%	8 SWEEPS.
23	097 53	57-152	17						50%	4 SWEEPS.
24	098 53	57-152	17						50%	8 SWEEPS.
25	099 54	58-153	18						50%	4 SWEEPS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>8730Hz/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>EVEVA2B</b>	FREQUENCY <b>7.5Hz</b>
STATION INTERVAL <b>330'</b>		LINE DIR. <b>1 TO 2° W → E</b>		

REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>	OBSERVER <b>R. PATTON, M. RICHEY</b>	PARTY MGR. <b>L. DAVIS</b>
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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear - WINDY</b>	LINE NO. <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	54	58-153	18	4	50%	809	OUT	IN	50%	8 SWEEPS WINDS ARE 16-18 M.P.H. TIME 1:25
2	55	59-154	19						50%	4 "
3	55	59-154	19						50%	8 "
4	56	60-155	20						50%	4 "
5	56	60-155	20						50%	8 "
6	57	61-156	21						50%	4 "
7	57	61-156	21			809			50%	8 " F.O. + #809 TAPE MKTS
8	58	62-157	22	WIND STRIP		810			60%	B.O. + #810, 900 10sec ALL ONES.
9	58	62-157	22						50%	4 SWEEPS
10	58	62-157	22						50%	8 "
11	59	63-158	23						50%	4 "
12	59	63-158	23						50%	8 "
13	60	64-159	24						50%	4 "
14	60	64-159	24						50%	8 "
15	61	65-160	25						50%	4 "
16	61	65-160	25						50%	8 "
17	62	66-161	26		1				50%	4-11
18	62	66-161	26						50%	8-11
19	63	67-162	27		2				50%	4-11
20	63	67-162	27			810			50%	8-11 F.O. + #810 TAPE MKTS
21	64	68-163	28	WIND STRIP		811			50%	B.O. + #811, 900 10sec ALL ONES
22	64	68-163	28						50%	4 SWEEPS
23	64	68-163	28		1				50%	8 SWEEPS.
24	65	69-164	29		2				50%	4 "
25	65	69-164	29						50%	8 "

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

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear + WET</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			MISS SWEEP	811	OUT	IN		Recorder SET AT 127-128
2	934/935 FINT	2-11"								NEW Vib #25874 NOW ON LINE.
3	936/939 D.R.D	4-11"								
4	953/954 Summit test	2-11"								
5	960/961 N.R.S. test	2-11"								5 Vibs 32sec SWEEP 20 LISTENING 52sec TOTAL
6	932 SIMILARITY	1-32sec	217	5						30% (8 SWEEPS) 56' ON OTHER SIDE OF FLAG. 41.25 MOVE UP.
7	125 WIND STRIP	1-52sec	15							66db SPACING 100'
8	126 66	70-165	15	5						50% 4 SWEEPS.
9	127 66	70-165	15							50% 8 SWEEPS
10	128 67	71-166	16							50% 4-11
11	129 67	71-166	16			811				50% 8-11 E.O.T #811 *TAPE MKTS
12	130 68	72-167	17			812				66db <del>B.O.T #812</del> #900 10sec ALL ONES
13	131 68	72-167	17							50% 4 SWEEPS
14	132 68	72-167	17							50% 8 SWEEPS
15	133 69	73-168	18							50% 4-11
16	134 69	73-168	18							50% 8-11
17	135 70	74-169	19							50% 4-11
18	136 70	74-169	19							50% 8-11
19	137 71	75-170	20	4						50% 4-11 4 Vibs 6' ON OTHER SIDE OF FLAG. 41.25 MOVE UP.
20	138 71	75-170	20							50% 8-11
21	139 72	76-171	21	5						50% 4-11 Replaced LEAKING CABLES.
22	140 72	76-171	21							50% 8-11
23	141 73	77-172	22							50% 4-11
24	142 73	77-172	22			812				50% 8-11 E.O.T #812, TAPE MKTS
25	143 74	78-173	23			813				66db B.O.T #813, 900 10sec ALL ONES

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>8-32Hz/32sec</b>	SWEEP PATTERN <b>SECRET MARKS</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>     </b>
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-VII00'S 1-V900</b>	TYPE GEOPHONE <b>ETEV20B</b>	FREQUENCY <b>7.5Hz</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>		OBSERVER <b>R. Patton</b>	PARTY MGR. <b>M. Pichey L. Davis</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear &amp; WET</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	144	74	78-173	23	5	MIS SWEEP 813	OUT	IN	50%	4 SWEEPS. NOTE. NO OTHER SHOOTING CREW IN AREA.
2	145	74	78-173	23					50%	8 SWEEPS.
3	146	75	79-174	24					50%	4-"
4	147	75	79-174	24					50%	8-"
5	148	76	80-175	25					50%	4-"
6	149	76	80-175	25					50%	8-"
7	150	77	81-176	26					50%	4-"
8	151	77	81-176	26					50%	8-"
9	152	78	82-177	27					50%	4-"
10	153	78	82-177	27					50%	8-"
11	154	79	83-178	28					50%	4-"
12	155	79	83-178	28		813			50%	8-". F.O. + #813, TAPE MIXTS
13	156	80	84-179	29	WIND STRIP	814			66%	B.O. + #814, 900 10sec ALL ONES
14	157	80	84-179	29	1				50%	4-"
15	158	80	84-179	29					50%	8-"
16	159	81	85-180	30					50%	4-"
17	160	81	85-180	30					50%	8-"
18	161	82	86-181	31					50%	4-"
19	162	82	86-181	31					50%	8-"
20	163	83	87-182	32					50%	4-"
21	164	83	87-182	32					50%	8-"
22	165	84	88-183	33					50%	4-"
23	166	84	88-183	33					50%	8-"
24	167	85	89-184	34					50%	4-"
25	168	85	89-184	34		814			50%	8-". F.O. + #814 TAPE MIXTS

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>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. # <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	169	86	90-185	35	wind strip	815	OUT	IN	66Db	B.O.+ #815, 900 10sec ALL ONES.
2	170	86	90-185	35					50%	4 Sweeps.
3	171	86	90-185	35					50%	8 Sweeps.
4	172	87	91-186	36					50%	4 "
5	173	87	91-186	36					50%	8 "
6	174	88	92-187	37					50%	4 "
7	175	88	92-187	37					50%	8 "
8	176	89	93-188	38					50%	4 "
9	177	89	93-188	38					50%	8 "
10	178	90	94-189	39					50%	4 "
11	179	90	94-189	39					50%	8 "
12	180	91	95-190	40					50%	4 "
13	181	91	95-190	40		815			50%	8 " E.O.+ #815 TAPE MKTS
14	182	92	96-191	41	wind strip	816			66Db	B.O.+ #816, 900 10sec ALL ONES
15	183	92	96-191	41					50%	4 Sweeps.
16	184	92	96-191	41					50%	8 Sweeps.
17	185	93	97-192	42					50%	4 "
18	186	93	97-192	42					50%	8 "
19	187	94	98-193	43					50%	4 "
20	188	94	98-193	43					50%	8 "
21	189	95	99-194	44					50%	4 "
22	190	95	99-194	44					50%	8 "
23	191	96	100-195	45					50%	4 "
24	192	96	100-195	45					50%	8 "
25	193	97	101-196	46					50%	4 "

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. 12

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. # <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweep	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	194	97	101-196	46	5	816	OUT	IN	50%	8 sweeps F.O.#816
2	195	98	102-197	37		817			50%	B.O.#817, 900" 10sec ALL ONES.
3	196	98	102-197	37					50%	4 sweeps
4	197	98	102-197	37					50%	8 sweeps
5	198	99	103-198	38					50%	4 "
6	199	99	103-198	38					50%	8 "
7	200	100	104-199	39					50%	4 "
8	201	100	104-199	39					50%	8 "
9	202	101	105-200	40					50%	4 "
10	203	101	105-200	40					50%	8 "
11	204	102	106-201	41					50%	4 "
12	205	102	106-201	41					50%	8 "
13	206	103	107-202	42					50%	4 "
14	207	103	107 202	42		817			50	8" F.O.#817, TAPE MATS
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. 13

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>
			DATE <b>5-5-82</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	TAPES	TAPES RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec			MISS SWEEP	818	OUT	IN		B.O. # 818, 900 10sec ALL ONES.
2	934/935 EINT	2 - " "								Recorder SET AT 166-167
3	936/939 D.R.D.	4 - " "								
4	953/954 Scum Test	2 - " "								5 Vib, 1st Vib 56' ON OTHER SIDE OF FLAG. 100' SPACING
5	960/961 NRT TEST	2 - " "								41.25 MOVE UP. 32sec SWEEPS, 52sec Record Length.
6	932 Similarity	1 - 32 "	217	5					30%	
7	208 Wind strip	1 - 52 "	14						66db	
8	209 104	108-203	14	5					50%	4 SWEEPS
9	210 104	108-203	14						50%	8 SWEEPS
10	211 105	109-204	15						50%	4 "
11	212 105	109-204	15						50%	8 "
12	213 106	110-205	16						50%	4 "
13	214 106	110-205	16						50%	8 "
14	215 107	111-206	17						50%	4 "
15	216 107	111-206	17						50%	8 "
16	217 108	112-207	18						50%	4 "
17	218 108	112-207	18			818			50%	8 " E.O. # 818 TAPE MKTS
18	219 109	113-208	19		WIND STRIP	819			66db	B.O. # 819, 900 10sec ALL ONES.
19	220 109	113-208	19						50%	4 "
20	221 109	113-208	19						50%	8 "
21	222 110	114-209	20	4					50%	4 " Vib # 17311 Down, BACK ENGINE OVER HEATED.
22	223 110	114-209	20						50%	8 "
23	224 111	115-210	21						50%	4 "
24	225 111	115-210	21						50%	8 "
25	226 112	116-211	22						50%	4 "

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

LINE DIR. 1 TO 24 W → E
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 14

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	227	112	116-211	22	4	MISSING SWEEP 819	OUT	IN	50%	8"
2	228	113	117-212	23	5				50%	4" Vib #17311 BACK IN.
3	229	113	117-212	23					50%	8"
4	230	114	118-213	24					50%	4"
5	231	114	118-213	24		819			50%	8" E.O.#819 TAPE MKTS.
6	232	115	119-214	25	WIND STRIP	820			66%	B.O.#820, 900 10sec ALL ONES
7	233	115	119-214	25					50%	4"
8	234	115	119-214	25					50%	8"
9	235	116	120-215	26					50%	4"
10	236	116	120-215	26					50%	8"
11	237	117	121-216	27					50%	4"
12	238	117	121-216	27					50%	8"
13	239	118	122-217	28					50%	4"
14	240	118	122-217	28					50%	8"
15	241	119	123-218	29					50%	4"
16	242	119	123-218	29					50%	8"
17	243	120	124-219	30					50%	4"
18	244	120	124-219	30		820			50%	8" E.O.#820 TAPE MKTS
19	245	121	125-220	31	WIND STRIP	821			66%	B.O.#821, 900 10sec ALL ONES.
20	246	121	125-220	31					50%	4"
21	247	121	125-220	31					50%	8"
22	248	122	126-221	32					50%	4"
23	249	122	126-221	32					50%	8"
24	250	123	127-222	33					50%	4"
25	251	123	127-222	33					50%	8"

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 15

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>Clear</b>	LINE NO. <b>#1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	TAPE RL.NO.	FILTER			REMARKS
						LOCUT	60 ~	AMP	
1	124	128-223	34	5	821	OUT IN	50%	4	4 sweeps.
2	124	128-223	34				50%	8	8 sweeps.
3	125	129-224	35				50%	4	" "
4	125	129-224	35				50%	8	" "
5	126	130-225	36				50%	4	" "
6	126	130-225	36		821		50%	8	" " E.O. + #821 TAPE MKTS
7	127	131-226	37	WIND strip	822		66%	B.O. + #822, 900 10sec ALL ONES.	
8	127	131-226	37				50%	4	" "
9	127	131-226	37				50%	8	" "
10	128	132-227	38				50%	4	" "
11	128	132-227	38				50%	8	" "
12	129	133-228	39				50%	4	" "
13	129	133-228	39				50%	8	" "
14	130	134-229	40				50%	4	" "
15	130	134-229	40				50%	8	" "
16	131	135-230	41				50%	4	" "
17	131	135-230	41				50%	8	" "
18	132	136-231	42				50%	4	" "
19	132	136-231	42		822		50%	8	" " E.O. + 822 TAPE MKTS
20	133	137-232	43	WIND strip	823		66%	B.O. + #823, 900 10sec ALL ONES.	
21	133	137-232	43				50%	4	" "
22	133	137-232	43				50%	8	" "
23	134	138-233	44				50%	4	" "
24	134	138-233	44				50%	8	" "
25	135	139-234	45				50%	4	" "

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. 16

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	277	135	139-234	45	5	823	OUT	IN	50%	8 sweeps.
2	278	136	140-235	46					50%	4 "
3	279	136	140-235	46					50%	8 "
4	280	137	141-236	47					50%	4 "
5	281	137	141-236	47					50%	8 "
6	282	138	142-237	48					50%	4 "
7	283	138	142-237	48		823			50%	8 " E.O.T #823 TAPE MKTS.
8	284	139	143-238	37	wind strip	824			66%	B.O.T #824, 900 10sec ALL ONES.
9	285	139	143-238	37					50%	Recorder move UP 178-179, 4 sweeps.
10	286	139	143-238	37					50%	8 sweeps
11	287	140	144-239	38					50%	4 "
12	288	140	144-239	38					50%	8 "
13	289	141	145-240	39					50%	4 "
14	290	141	145-240	39					50%	8 "
15	291	142	146-241	40					50%	4 "
16	292	142	146-241	40	1				50%	8 "
17	293	143	147-242	41					50%	4 "
18	294	143	147-242	41	1				50%	8 "
19	295	144	148-243	42					50%	4 "
20	296	144	148-243	42		824			50%	8 " E.O.T #824 TAPE MKTS
21	297	145	149-244	43	wind strip	825			66%	B.O.T 825, 900 10sec ALL ONES
22	298	145	149-244	43					50%	4 sweep
23	299	145	149-244	43					50%	8 sweep
24	300	146	150-245	44					50%	4 "
25	301	146	150-245	44					50%	8 "

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 17

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-5-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	302	147	151-246	45	5	825	OUT	IN	50%	4 7'
2	303	147	151-246	45					50%	8 "
3	304	148	152-247	46					50%	4 "
4	305	148	152-247	46					50%	8 "
5	306	149	153-248	47					50%	4 "
6	307	149	153-248	47		825			50%	8 " E.O.T # 825, 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.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>5-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>#1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	TAPES	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1-6 sec			826	OUT	IN		B.O.T. # 826, 900 10sec ALL ONES
2	934/935	EPNT	2 - " "							Recorder SET AT 215-216
3	936/939	D.R.D.	4 - " "							Vib #17311 DOWN, PAD WICK BEING DONE.
4	953/954	Sum. TEST	2 - " "							
5	960/961	NRJ TEST	2 - " "							4 Vibs '60N OTHER SIDE OF FLAG. 4/25 MOVE UP.
6	932	Similarity	1-32 sec	217	4				30%	100' SPACING
7	308	Wind strip	1-52 sec	11					66Db	
8	309	150	154-249	11	4				50%	4 SWEEPS.
9	310	150	154-249	11					50%	8 SWEEPS.
10	311	151	155-250	12					50%	4 "
11	312	151	155-250	12					50%	8 "
12	313	152	156-251	13					50%	4 "
13	314	152	156-251	13					50%	8 "
14	315	153	157-252	14					50%	4 "
15	316	153	157-252	14					50%	8 "
16	317	154	158-253	15	1				50%	4 "
17	318	154	158-253	15		826			50%	8 " E.O.T # 826, TAPE MKTS
18	319	155	159-254	16	WIND strip	827			66Db	B.O.T # 827, 900 10sec ALL ONES.
19	320	155	159-254	16					50%	4 "
20	321	155	159-254	16					50%	8 "
21	322	156	160-255	17					50%	4 "
22	323	156	160-255	17					50%	8 "
23	324	157	161-256	18					50%	4 "
24	325	157	161-256	18					50%	8 "
25	326	158	162-257	19					50%	4 "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32Hz / 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-Y1100S 1-Y 900	TYPE GEOPHONE ETLEU22B	FREQUENCY 7.5Hz
STATION INTERVAL 330'		LINE DIR. 1 TO 24 W → E		

REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patton	PARTY MGR. M. Richey	P. Davis.
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 109

CLIENT <i>COCORP</i>		AREA <i>UTAH</i>		STATE <i>UTAH</i>		COUNTY <i>MILLARD</i>		DATE <i>5-6-82</i>			
CREW NO. <i>6834</i>		TERRAIN <i>DIRT ROAD</i>		WEATHER <i>Clear</i>		LINE NO. <i>21</i>					
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSED SWEEP	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	327	158	162-257	19	4	827	OUT	IN	50%	8 "	
2	328	159	163-258	20					50%	4 "	
3	329	159	163-258	20					50%	8 "	
4	330	160	164-259	21					50%	4 "	
5	331	160	164-259	21		827			50%	8 " E.O. + #827 TAPE MKTS.	
6	332	161	165-260	22	WIND STRIP	828			50%	B.O. + #828, 900 10sec ALL ONES.	
7	333	161	165-260	22					50%	4 "	
8	334	161	165-260	22					50%	8 "	
9	335	162	166-261	23					50%	4 "	
10	336	162	166-261	23					50%	8 "	
11	337	163	167-262	24					50%	4 "	
12	338	163	167-262	24					50%	8 "	
13	339	164	168-263	25					50%	4 "	
14	340	164	168-263	25					50%	8 "	
15	341	165	169-264	26					50%	4 "	
16	342	165	169-264	26					50%	8 "	
17	343	166	170-265	27					50%	4 "	
18	344	166	170-265	27		828			50%	8 " E.O. + #828 TAPE MKTS.	
19	345	167	171-266	28	WIND STRIP	829			66%	B.O. + #829, 900 10sec ALL ONES.	
20	346	167	171-266	28					50%	4 "	
21	347	167	171-266	28					50%	8 "	
22	348	168	172-267	29					50%	4 "	
23	349	168	172-267	29					50%	8 "	
24	350	169	173-268	30					50%	4 "	
25	351	169	173-268	30					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. 20

CLIENT <b>LOCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-6-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	352	170	174-269	31	4	829	OUT	IN	50%	4 "
2	353	170	174-269	31					50%	8 "
3	354	171	175-270	32					50%	4 "
4	355	171	175-270	32					50%	8 "
5	356	172	176-271	33					50%	4 "
6	357	172	176-271	33		829			50%	8 " E.O.T #829, TAPE MKTS.
7	358	173	177-272	34		830			66%	B.O.T #830 900 10sec ALL ONES
8	359	173	177-272	34					50%	4 "
9	360	173	177-272	34					50%	8 "
10	361	174	178-273	35					50%	4 "
11	362	174	178-273	35					50%	8 "
12	363	175	179-274	36					50%	4 "
13	364	175	179-274	36					50%	8 "
14	365	176	180-275	37					50%	4 "
15	366	176	180-275	37					50%	8 "
16	367	177	181-276	38					50%	4 "
17	368	177	181-276	38					50%	8 "
18	369	178	182-277	39					50%	4 "
19	370	178	182-277	39		830			50%	8 " E.O.T #830 TAPE MKTS.
20	371	179	183-278	40	WIND strip	831			66%	B.O.T #831 900 10sec ALL ONES.
21	372	179	183-278	40					50%	4 "
22	373	179	183-278	40					50%	8 "
23	374	180	184-279	41					50%	4 "
24	375	180	184-279	41					50%	8 "
25	376	181	185-280	42					50%	4 "

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 <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-6-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>DIRT ROAD</i>	WEATHER <i>Clear</i>		LINE NO. <i>1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP. GATN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	377	181	185-280	42	4	<i>missed Sweeps</i>	831	OUT	IN	50% 8 "
2	378	182	186-281	43						50% 4 "
3	379	182	186-281	43						50% 8 "
4	380	183	187-282	44						50% 4 "
5	381	183	187-282	44						50% 8 "
6	382	184	188-283	45						50% 4 "
7	383	184	188-283	45			831			50% 8 " E.O.T # 831 TAPE MKTS
8	384	185	189-284	36	<i>Wind strip</i>		832			50% B.O.T # 832, 900 10sec ALL ONES
9	385	185	189-284	36						50% 4 " Recorder moved UP STA 225-226
10	386	185	189-284	36						50% 8 "
11	387	186	190-285	37						50% 4 "
12	388	186	190-285	37						50% 8 "
13	389	187	191-286	38						50% 4 "
14	390	187	191-286	38						50% 8 "
15	391	188	192-287	39						50% 4 "
16	392	188	192-287	39						50% 8 "
17	393	189	193-288	40						50% 4 "
18	394	189	193-288	40						50% 8 "
19	395	190	194-289	41						50% 4 "
20	396	190	194-289	41			832			50% 8 " E.O.T # 832 TAPE MKTS
21	397	191	195-290	42	<i>Wind strip</i>		833			60% B.O.T # 833, 900 10sec ALL ONES
22	398	191	195-290	42						50% 4 "
23	399	191	195-290	42						50% 8 "
24	400	192	196-291	43		2				50% 4 "
25	401	192	196-291	43		2				50% 8 "

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



**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 23

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-7-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	421	201	205-300	10	4	<i>Missed Sweep</i>	835	<i>Out</i>	<i>IN</i>	50% 4 sweeps.
2	422	201	205-300	10						50% 8 sweeps.
3	423	202	206-301	11						50% 4 "
4	424	202	206-301	11						50% 8 "
5	425	203	207-302	12						50% 4 "
6	426	203	207-302	12						50% 8 "
7	427	204	208-303	13						50% 4 "
8	428	204	208-303	13						50% 8 "
9	429	205	209-304	14						50% 4 "
10	430	205	209-304	14						50% 8 "
11	431	206	210-305	15						50% 4 "
12	432	206	210-305	15			835			50% 8 " E.O.T #835 TAPE MKTS.
13	433	207	211-306	16	<i>WIND strip</i>		836			66% B.O.T #836, 900 10sec ALL ONES.
14	434	207	211-306	16						50% 4 "
15	435	207	211-306	16						50% 8 "
16	436	208	212-307	17						50% 4 "
17	437	208	212-307	17						50% 8 "
18	438	209	213-308	18						50% 4 "
19	439	209	213-308	18						50% 8 "
20	440	210	214-309	19						50% 4 "
21	441	210	214-309	19						50% 8 "
22	442	211	215-310	20						50% 4 "
23	443	211	215-310	20						50% 8 "
24	444	212	216-311	21						50% 4 "
25	445	212	216-311	21			836			50% 8 " E.O.T #836, 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. 24

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-7-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	446	213	217-312	22	wind strip	837	Off	IN	66Db	B.O.T #837, 900 10sec All ones.
2	447	213	217-312	22					50%	4 "
3	448	213	217-312	22	2				50%	8 "
4	449	214	218-313	23					50%	4 "
5	450	214	218-313	23					50%	8 "
6	451	215	219-314	24					50%	4 "
7	452	215	219-314	24					50%	8 "
8	453	216	220-315	25					50%	4 "
9	454	216	220-315	25					50%	8 "
10	455	217	221-316	26					50%	4 "
11	456	217	221-316	26					50%	8 "
12	457	218	222-317	27					50%	4 "
13	458	218	222-317	27		837			50%	8 " E.O.T #837 TAPE MARKS
14	459	219	223-318	28	wind strip	838			66Db	B.O.T #838, 900 10sec All ones.
15	460	219	223-318	28					50%	4 "
16	461	219	223-318	28					50%	8 "
17	462	220	224-319	29					50%	4 "
18	463	220	224-319	29					50%	8 "
19	464	221	225-320	30					50%	4 "
20	465	221	225-320	30					50%	8 "
21	466	222	226-321	31					50%	4 "
22	467	222	226-321	31					50%	8 "
23	468	223	227-322	32					50%	4 "
24	469	223	227-322	32					50%	8 "
25	470	224	228-323	33		838			50%	4 "

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. 25

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-7-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>DIRT ROAD</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	471	224	228-323	33	4	838	OUT IN	50%	8"	E.O.T #838, TAPE MKTS.
2	472	225	229-324	34	WIND STRIP	839		66%	8"	B.O.T #839, 900 10sec ALL ONES.
3	473	225	229-324	34				50%	4"	
4	474	225	229-324	34				50%	8"	
5	475	226	230-325	35				50%	4"	
6	476	226	230-325	35				50%	8"	
7	477	227	231-326	36				50%	4"	
8	478	227	231-326	36				50%	8"	
9	479	228	232-327	37				50%	4"	
10	480	228	232-327	37				50%	8"	
11	481	229	233-328	38				50%	4"	
12	482	229	233-328	38				50%	8"	
13	483	230	234-329	39				50%	4"	
14	484	230	234-329	39		839		50%	8"	E.O.T #839 TAPE MKTS
15	485	231	235-330	40	WIND STRIP	840		66%	8"	B.O.T #840, 900 10sec ALL ONES.
16	486	231	235-330	40				50%	4"	
17	487	231	235-330	40				50%	8"	
18	488	232	236-331	41				50%	4"	
19	489	232	236-331	41				50%	8"	
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. 26

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>5-12-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road + Rollins Hills</b>	WEATHER <b>Partly cloudy + wet + windy</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse				840	OUT	IN		Recorder SET AT 304-305
2	934/935	EINT								
3	936/939	D.R.D.								4 Vibs SPACING 100' move UP 41.25 / 1st Vib STARTS + 6 past FLAG.
4	953/954	SUM TEST								
5	960/961	NR TEST								
6	932	Similarity	217	4						Vib # 17311 DOWN, FIXING RADIATOR.
7	490	Wind strip	5							66Db
8	491	233	237-332	5	4	2				50%
9	492	234	238-333	6		1				50%
10	493	235	239-334	7		2				50%
11	494	236	240-335	8		4				50%
12	495	237	241-336	9		2	840			50% E.O.T. #840 TAPE MKTS.
13	496	238	242-337	10	WIND	strip	841			66Db B.O.T #841, 900 10sec ALL ONES.
14	497	238	242-337	10		7				50%
15	498	239	243-338	33						50% Recorder moved BACK due to Vibs NOT RECEIVING
16	499	240	244-339	34						50% TONE. Recorder SET AT 282-283.
17	500	241	245-340	35						50% NOther CREW IN AREA. BLASTING IN AREA.
18	501	242	246-341	36						50%
19	502	243	247-342	37						50%
20	503	244	248-343	38						50%
21	504	245	249-344	39						50%
22	505	246	250-345	40						50%
23	506	247	251-346	41						50%
24	507	248	252-347	42			841			50% E.O.T #841 TAPE MKTS
25	508	249	253-348	43	WIND	strip	842			66Db B.O.T #842, 900 10sec ALL ONES.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN see Remarks		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y1100S	
REMARKS 8ms Sample Rate / 52 sec Record Length		TYPE GEOPHONE ETLEU22B		FREQUENCY 7.5 Hz	
OBSERVER R. Patten		PARTY MGR. M. Richey		STATION INTERVAL 330'	
				LINE DIR. 1 TO 24 W → E	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 27

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>PARTLY CLEAR</b>	DATE <b>5-12-82</b>
			LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	509	253-348	43	4	<del>MISSING SWEEP</del>	842	OUT	IN	50%	
2	510	254-349	44						50%	
3	511	255-350	45						50%	
4	512	256-351	46						50%	
5	513	257-352	47						50%	
6	514	258-353	48						50%	
7	515	259-354	49						50%	
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. 28

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	DATE <b>5-13-82</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>messed up</i>	842	OUT	IN		Recorder SET AT 320-321
2	EINT	2- " "								
3	D.R.D	4- " "								4 VibS SPACING 100', move UP 41.25, 1st
4	SUMtest	2- " "								Vib STARTS +6 PAST FLAG.
5	N.R.J test	2- " "								
6	SIMILARITY	1-32sec	217	4						Vib # 17311 Downy, Fixing RADIATOR.
7	WINDstrip	1-52sec	12							66Db
8	256	250-355	12	4						50%
9	257	261-356	13			842				50% E.O.T #842 TAPE MKTS
10	258	262-357	14		WIND strip	843				66Db B.O.T #843, 900 10sec ALL ONES.
11	258	262-357	14		1					50%
12	259	263-358	15		1					50%
13	260	264-359	16							50%
14	261	265-360	17							50%
15	262	266-361	18							50%
16	263	267-362	19							50%
17	264	268-363	20							50%
18	265	269-364	21							50%
19	266	270-365	22							50%
20	267	271-366	23							50%
21	268	272-367	24							50%
22	269	273-368	25			843				50% E.O.T #843 TAPE MKTS.
23	270	274-369	26		WIND strip	844				66Db B.O.T #844, 900 10sec ALL ONES.
24	270	274-369	26							50%
25	271	275-370	27							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8-32Hz / 32sec</b>	SWEEP PATTERN <b>Sec 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-y11005 1-y400</b>	TYPE GEOPHONE <b>ETLE V22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample RATE / 52sec Record Length</b>	OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	LINE DIR. <b>1 TO 24 W-NE</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 29

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-13-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>DIRT ROAD</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	535	272	276-371	28	4	<i>MISSED SWEEP</i>	844	<i>OUT</i>	<i>IN</i>	50%	
2	536	273	277-372	29						50%	
3	537	274	278-373	30						50%	
4	538	275	279-374	31						50%	
5	539	276	280-375	32						50%	
6	540	277	281-376	33						50%	
7	541	278	282-377	34						50%	
8	542	279	283-378	35						50%	
9	543	280	284-379	36						50%	
10	544	281	285-380	37			844			50%	<i>E.O.T #844, TAPE MKTS</i>
11	545	282	286-381	38	<i>WIND STRIP</i>		845			66db	<i>B.O.T #845, 900 10sec ALL ONES.</i>
12	546	282	286-381	38						50%	
13	547	283	287-382	39						50%	
14	548	284	288-383	40						50%	
15	549	285	289-384	41						50%	
16	550	286	290-385	42						50%	
17	551	287	291-386	43						50%	
18	552	288	292-387	44						50%	
19	553	289	293-388	45						50%	
20	554	290	294-389	35						50%	<i>Recorder moved UP. STA #331-332</i>
21	555	291	295-390	36						50%	
22	556	292	296-391	37						50%	
23	557	293	297-392	38			845			50%	<i>E.O.T #845 TAPE MKTS</i>
24	558	294	298-393	39	<i>WIND STRIP</i>		846			66db	<i>B.O.T #846, 900 10sec ALL ONES</i>
25	559	294	298-393	39						50%	

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

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 30

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILHARD</i>	DATE <i>5-13-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP. GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	<i>560</i>	<i>295</i>	<i>299-394</i>	<i>40</i>	<i>4</i>	<i>Missed Sweep</i> <i>846</i>	<i>OUT</i>	<i>IN</i>	<i>50%</i>	
2	<i>561</i>	<i>296</i>	<i>300-395</i>	<i>41</i>					<i>50%</i>	
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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.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 31

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	DATE <b>5-17-82</b>
			LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	Pulse	1 - 6 sec			Missed Sweeps	846	OUT	IN		Recorder set at 362-363
2	FINT	2 - " "								1st Record 900 is wrote ON. at Begin of TAPE
3	D.R.D.	4 - " "								4 Vibs, 32 sec Sweep 20 LISTENING TIME, 52 sec
4	Sum TEST	2 - " "								TOTAL (8 Sweep) 100' spacing 41.25' move up
5	NRT TEST	2 - " "								1st Vib to other side of FLAG.
6	Similarity	1 - 32 sec	217	4					30%	Vib 17311 Down, NEW PAD BEING PUT ON.
7	Wind strip	1 - 52 sec	11	4					66Db	
8	297	301 - 396	11	4					50%	NOTE: CORRELATE IS BEING FIXED
9	298	302 - 397	12		1				50%	
10	299	303 - 398	13						50%	
11	300	304 - 399	14						50%	
12	301	305 - 400	15		1				50%	
13	302	306 - 401	16			846			50%	E.O. # 846, TAPE
14	303	307 - 402	17	WIND strip		847			66Db	B.O. # 847, 900 10sec ALL ONES.
15	303	307 - 402	17		1				50%	
16	304	308 - 403	18		1				50%	
17	305	309 - 404	19		1				50%	
18	306	310 - 405	20						50%	
19	307	311 - 406	21						50%	
20	308	312 - 407	22						50%	
21	309	313 - 408	23						50%	
22	310	314 - 409	24						50%	
23	311	315 - 410	25						50%	
24	312	316 - 411	26						50%	
25	313	317 - 412	27			847			50%	E.O. # 847, TAPE MKTS

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32Hz / 32 sec	SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN       x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-1900	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5Hz
STATION INTERVAL 330'			LINE DIR. 1 TO 24 W → E	

REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten, M. Richey	PARTY MGR. L. Davis
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 32

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>Millard</i>	DATE <i>5-17-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	581	314	318-413	28	WIND STRIP	848	DLT	IN	662	B.O. + # 848, 900 10sec ALL ONES.
2	582	314	318-413	28					50%	
3	583	315	319-414	29					50%	
4	584	316	320-415	30					50%	
5	585	317	321-416	31					50%	
6	586	318	322-417	32					50%	
7	587	319	323-418	33					50%	
8	588	320	324-419	34					50%	
9	589	321	325-420	35					50%	
10	590	322	326-421	36					50%	
11	591	323	327-422	37					50%	
12	592	324	328-423	38		848			50%	E.O. + # 848, TAPE MKTS
13	593	325	329-424	39	WIND STRIP	849			662	B.O. + # 849, 900 10sec ALL ONES.
14	594	325	329-424	39					50%	
15	595	326	330-425	40					50%	
16	596	327	331-426	41					50%	
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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>COCO RP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	DATE <b>5-18-82</b>
LINE NO. <b>#1</b>			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec								Recorder SET AT 403-404
2	934 FINT	2-11"								4 Vibs 32sec SWEEP, 20sec LISTENING TIME.
3	935 D.R.D	4-11"								(8 SWEEP) 100' SPACING, 41.25 MOVE UP 1st
4	936 sumtest	2-11"								Vib #6 other SIDE OF FLAG.
5	937 NRJ test	2-11"								
6	932 SIMILARITY	1-32sec	217	4						Vib #17311 Down, NEW PAD BEING PUT ON.
7	597 WINDSTRIP	1-52sec	1							
8	598 328	332-427	1	4						NOTE: CORRELATE IS DOWN, BEING FIXED.
9	599 329	333-428	2							
10	600 330	334-429	3							
11	601 331	335-430	4							
12	602 332	336-431	5			849				E.O. T#849
13	603 333	337-432	6		WIND STRIP	850				B.O. T#850, 900 10sec ALL ONES.
14	604 333	337-432	6							
15	605 334	338-433	7							
16	606 335	339-434	8							
17	607 336	340-435	9							
18	608 337	341-436	10							NOTE: ON STA#337 File NO#608 BAD SPOT ON
19	609 338	342-437	11							TAPE; REDUMP PASS BAD SPOT.
20	610 339	343-438	12							
21	611 340	344-439	13			850				E.O. T#850 TAPE MKTS
22	612 341	345-440	14		WIND STRIP	851				B.O. T#851, 900 10sec ALL ONES.
23	613 341	345-440	14							
24	614 342	346-441	15							
25	615 343	347-442	16							

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8 → 32Hz / 32sec</b>	SWEEP PATTERN <b>See Remarks</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP	PATCH PATTERN	
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>ET-LEV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>		OBSERVER <b>M. Richey</b>		PARTY MGR. <b>Z. Davis</b>	
				LINE DIR. 1 TO 24 <b>W → E</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 34

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-18-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	344	348-443	17	4	MISS and 500-amp	851	OUT	IN	50%	
2	345	349-444	18						50%	
3	346	350-445	19						50%	
4	347	351-446	20						50%	
5	348	352-447	21						50%	
6	349	353-448	22						50%	
7	350	354-449	23						50%	
8	351	355-450	24			851			50%	E.D. + #851, TAPE MKTS
9	352	356-451	25	WIND strip		852			70%	B.O. + #852, 900 10sec 111ONES.
10	352	356-451	25						50%	
11	353	357-452	26						50%	
12	354	358-453	27						50%	
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22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>#1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	Pulse	1-6sec			MISSING	852	OUT	IN		Recorder SET AT 430-431
2	EINT	2- " "								5 Vibs 100' SPACING 41.25 MOVE MAP
3	DRD	4- " "								+56 Past Flag. 32sec Sweep, 52sec Record.
4	FILM test	2- " "								
5	N.R.J test	2- " "								
6	932 SIMILARITY	1- 32sec	217	5						30%
7	628 WIND STRIP	1- 52sec	1							70%
8	629 355	359-454	1	5						50%
9	630 356	360-455	2							50%
10	631 357	361-456	3							50%
11	632 358	362-457	4							50%
12	633 359	363-458	5							50%
13	634 360	364-459	6			852				50% E.O. + #852 TAPE MKTS
14	635 361	365-460	7	WIND STRIP		853				70% B.O. + #853, 900 10sec ALL ONES.
15	636 361	365-460	7							50%
16	637 362	366-461	8							50%
17	638 363	367-462	9							50%
18	639 364	368-463	10							50%
19	640 365	369-464	11							50%
20	641 366	370-465	12		1					50%
21	642 367	371-466	13							50%
22	643 368	372-467	14							50%
23	644 369	373-468	15							50%
24	645 370	374-469	16							50%
25	646 371	375-470	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8732 Hz / 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 4-1100's 1-1900	TYPE GEOPHONE EHEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52sec Record Length			OBSERVER M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 36

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>WILLARD</b>	DATE <b>5-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	647	372	376-471	18	5	Missed Sweep 853	OUT	IN	50%	E.O. #853 TAPE MKTS.
2	648	373	377-472	19	WIND strip	854			70%	B.O. #854, 900 10sec ALL ONES.
3	649	373	377-472	19					50%	
4	650	374	378-473	20					50%	
5	651	375	379-474	21					50%	
6	652	376	380-475	22					50%	
7	653	377	381-476	23					50%	
8	654	378	382-477	24					50%	
9	655	379	383-478	25					50%	
10	656	380	384-479	26					50%	
11	657	381	385-480	27					50%	
12	658	382	386-481	28					50%	
13	659	383	387-482	29					50%	
14	660	384	388-483	30		854			50%	E.O. #854 TAPE MKTS
15	661	385	389-484	31	WIND strip	855			70%	B.O. #855, 900 10sec ALL ONES.
16	662	385	389-484	31					50%	
17	663	386	390-485	32					50%	
18	664	387	391-486	33					50%	
19	665	388	392-487	34					50%	
20	666	389	393-488	35					50%	
21	667	390	394-489	36					50%	
22	668	391	395-490	37					50%	
23	669	392	396-491	38					50%	
24	670	393	397-492	39					50%	
25	671	394	398-493	40					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 37

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-19-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b># 1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	395	399-494	41	5	mixed sweep	855	OUT IN		50%	E.O. + #855, TAPE MKTS
2	396	400-495	42		wind strip	856			70%	B.O. + #856, 900 108el H41 ONES.
3	396	400-495	42						50%	
4	397	401-496	43						50%	
5	398	402-497	44						50%	
6	399	403-498	45						50%	
7	400	404-499	46						50%	
8	401	405-500	47						50%	
9	402	406-501	48						50%	
10	403	407-502	49						50%	
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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		LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 28

CLIENT <b>COCORP</b>		AREA <b>UTAH</b>		STATE <b>UTAH</b>		COUNTY <b>MILLARD</b>		DATE <b>5-20-82</b>		
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road</b>		WEATHER <b>clear</b>				LINE NO. # <b>1</b>		
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			<del>MISSED SWEEP</del>	856	OUT	IN		Recorder SET AT 479-480
2	<del>134</del> 935 EINT	2- " "								
3	<del>936</del> 939 D.R.P	4- " "								5 Vibs 100' spacing 41.25 MOVE UP. 756' PAST FIN
4	<del>953</del> 954 SUNtest	2- " "								32sec SWEEP. 52sec Record.
5	<del>960</del> 961 N.R. Jtest	2- " "								
6	932 SIMILARITY	1-32sec	217	5		856				30% F.O.T #856, TAPE MKTS
7	682 WIND strip	1-52sec	1			857				66% B.O.T #857, 900 10sec ALL ONES.
8	683 404	408-503	1	5						50%
9	684 405	409-504	2							50%
10	685 406	410-505	3							50%
11	686 407	411-506	4							50%
12	687 408	412-507	5							50%
13	688 409	413-508	6							50%
14	689 410	414-509	7							50%
15	690 411	415-510	8							50%
16	691 412	416-511	9							50%
17	692 413	417-512	10	4						50% Vib #23652 DOWN, REPLACING BELTS AND ALTERNATOR.
18	693 414	418-513	11							50%
19	694 415	419-514	12			857				50% F.O.T #857, TAPE MKTS
20	695 416	420-515	13		WIND strip	858				66% B.O.T #858, 900 10sec ALL ONES.
21	696 416	420-515	13							50% ANOTHER CREW IN AREA, BLASTING ON STA #416.
22	697 417	421-516	14							50%
23	698 418	422-517	15							50%
24	699 419	423-518	16							50%
25	700 420	424-519	17							50%
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/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-V900		TYPE GEOPHONE ETLEV22B		FREQUENCY 7.5 Hz		STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/52sec Record Length		OBSERVER M. Richey		PARTY MGR. L. Davis						

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 29

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-20-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPES RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	701	421	425-520	18	5	<del>MISSING</del> 858	OUT	IN	50%	
2	702	422	426-521	19					50%	
3	703	423	427-522	20					50%	
4	704	424	428-523	21					50%	
5	705	425	429-524	22					50%	
6	706	426	430-525	23					50%	
7	707	427	431-526	24		858			50%	E.O.T # 858 TAPE MKTS
8	708	428	432-527	25	WIND STRIP	859			66%	B.O.T # 859, 900 10sec ALL ONES.
9	709	428	432-527	25					50%	
10	710	429	433-528	26					50%	
11	711	430	434-529	27					50%	
12	712	431	435-530	28					50%	
13	713	432	436-531	29					50%	
14	714	433	437-532	30					50%	
15	715	434	438-533	31					50%	
16	716	435	439-534	32					50%	
17	717	436	440-535	33					50%	
18	718	437	441-536	34					50%	
19	719	438	442-537	35					50%	
20	720	439	443-538	36		859			50%	E.O.T # 859, TAPE MKTS
21	721	440	444-539	37	WIND STRIP	860			66%	B.O.T # 860, 900 10sec ALL ONES.
22	722	440	444-539	37	4				50%	Vib # 17311 DOWN, Belt Being put ON.
23	723	441	445-540	38					50%	
24	724	442	446-541	39					50%	
25	725	443	447-542	40					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 40

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-20-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>DIRT ROAD</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	726	444	448-543	41	4	860	860	OUT	IN	50%	
2	727	445	449-544	42						50%	
3	728	446	450-545	43						50%	
4	729	447	451-546	44						50%	
5	730	448	452-547	45						50%	
6	731	449	453-548	46						50%	
7	732	450	454-549	47						50%	
8	733	451	455-550	48			860			50%	E.O. + #860, TAPE MKTS
9	734	452	456-551	1	WIND STRIP		861			66%	B.O. + #861, 900 10sec ALL ONES
10	735	452	456-551	1	5					50%	Recorder move UP STA #527-528
11	736	453	457-552	2						50%	Vib #17311 BACK IN.
12	737	454	458-553	3						50%	
13	738	455	459-554	4						50%	
14	739	456	460-555	5						50%	
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. 45

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-21-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	<i>Pulse</i>	<i>1-6sec</i>			<i>Missed Sweep</i>	<i>861</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 5.32-5.33</i>
2	<i>EINT</i>	<i>2- " "</i>								
3	<i>D.R.D</i>	<i>4- " "</i>								<i>4 Vib 100' SPACING, 41.25 MOVE UP.</i>
4	<i>sum test</i>	<i>2- " "</i>								<i>16 PAST FLAG. 32sec Sweep 52sec Record.</i>
5	<i>N.R. J test</i>	<i>2- " "</i>								
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>4</i>					<i>30%</i>	<i>Vib # 23652 Down, PAD BEING WORKED ON.</i>
7	<i>WIND strip</i>	<i>1-52sec</i>	<i>1</i>						<i>66Db</i>	
8	<i>457</i>	<i>461-556</i>	<i>1</i>	<i>4</i>					<i>50%</i>	
9	<i>458</i>	<i>462-557</i>	<i>2</i>						<i>50%</i>	
10	<i>459</i>	<i>463-558</i>	<i>3</i>						<i>50%</i>	
11	<i>460</i>	<i>464-559</i>	<i>4</i>			<i>861</i>			<i>50%</i>	<i>E.O. # 861, TAPE MKTS</i>
12	<i>461</i>	<i>465-560</i>	<i>5</i>	<i>WIND strip</i>		<i>862</i>			<i>70Db</i>	<i>B.O. # 862, 900 10sec ALL ONES</i>
13	<i>461</i>	<i>465-560</i>	<i>5</i>						<i>50%</i>	
14	<i>462</i>	<i>466-561</i>	<i>6</i>						<i>50%</i>	
15	<i>463</i>	<i>467-562</i>	<i>7</i>						<i>50%</i>	
16	<i>464</i>	<i>468-563</i>	<i>8</i>						<i>50%</i>	
17	<i>465</i>	<i>469-564</i>	<i>9</i>						<i>50%</i>	
18	<i>466</i>	<i>470-565</i>	<i>10</i>						<i>50%</i>	
19	<i>467</i>	<i>471-566</i>	<i>11</i>						<i>50%</i>	
20	<i>468</i>	<i>472-567</i>	<i>12</i>						<i>50%</i>	
21	<i>469</i>	<i>473-568</i>	<i>13</i>						<i>50%</i>	
22	<i>470</i>	<i>474-569</i>	<i>14</i>						<i>50%</i>	
23	<i>471</i>	<i>475-570</i>	<i>15</i>			<i>862</i>			<i>50%</i>	<i>E.O. # 862, TAPE MKTS</i>
24	<i>472</i>	<i>476-571</i>	<i>16</i>	<i>WIND strip</i>		<i>863</i>			<i>70Db</i>	<i>B.O. # 863, 900 10sec ALL ONES</i>
25	<i>472</i>	<i>476-571</i>	<i>16</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8732Hz/32sec</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-V1100's 1-V400</i>	TYPE GEOPHONE <i>E+LEVA22B</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms Sample RATE / 52sec Record Length</i>			OBSERVER <i>M. Richey</i>	PARTY MGR. <i>Z. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division** 42  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-21-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>clear</b>	LINE NO. # <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	473	477-572	17	4	mixed sweep	863	OUT	IN	50%	
2	474	478-573	18						50%	
3	475	479-574	19						50%	
4	476	480-575	20						50%	
5	477	481-576	21						50%	
6	478	482-577	22						50%	
7	479	483-578	23		1				50%	
8	480	484-579	24						50%	Vib # 25874 Down, Fixing cable which controls the UP and DOWN OF the PAD.
9	481	485-580	25						50%	
10	482	486-581	26						50%	
11	483	487-582	27			863			50%	E.O.T # 863, TAPE MKTS
12	484	488-583	28	WIND	strip	864			70db	B.O.T # 864, 900 10sec ALLOWES.
13	484	488-583	28						50%	
14	485	489-584	29						50%	
15	486	490-585	30						50%	
16	487	491-586	31		2				50%	
17	488	492-587	32		3				50%	
18	489	493-588	33						50%	
19	490	494-589	34						50%	
20	491	495-590	35						50%	
21	492	496-591	36						50%	
22	493	497-592	37						50%	
23	494	498-593	38						50%	
24	495	499-594	39			864			50%	E.O.T # 864, TAPE MKTS
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. 43

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GATN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec			1/52sec sweep	865	OUT	IN		B.O.T # 865 900 10sec ALL ONES.
2	934 EINT	2- " "								Recorder SET AT 571-572
3	936 D.R.D	4- " "								
4	953 SUM test	2- " "								
5	961 N.R.S test	2- " "								
6	932 SIMILARITY	1-32sec	217	4					30%	Vib #23652 Down, PAD BEING WORKED ON
7	783 WINDSTRIP	1-52sec	1						70%	
8	784 496	500-595	1	4					50%	
9	785 497	501-596	2						50%	
10	786 498	502-597	3						50%	
11	787 499	503-598	4						50%	
12	788 500	504-599	5						50%	
13	789 501	505-600	6						50%	
14	790 502	506-601	7						50%	
15	791 503	507-602	8						50%	
16	792 504	508-603	9						50%	
17	793 505	509-604	10			865			50%	F.O.T #865, TAPE MKTS
18	794 506	510-605	11	WIND STRIP		866			70%	B.O.T #866, 900 10sec ALL ONES
19	795 506	510-605	11						50%	
20	796 507	511-606	12						50%	
21	797 508	512-607	13						50%	
22	798 509	513-608	14						50%	
23	799 510	514-609	15						50%	
24	800 511	515-610	16						50%	
25	801 512	516-611	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>8332Hz/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 1-900</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5Hz</b>
REMARKS <b>8ms SAMPLE RATE/52sec Record Length</b>		OBSERVER <b>R. PATTON</b>	PARTY MGR. <b>M. RICHEY</b>	STATION INTERVAL <b>330'</b>
		LINE DIR. <b>W 7E</b>		1 TO 24

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 44

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-22-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>21</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	802	513	517-612	18	4	<i>MISSED SWEEP</i>	866	<i>OUT</i>	<i>IN</i>	50%	
2	803	514	518-613	19						50%	
3	804	515	519-614	20						50%	
4	805	516	520-615	21						50%	
5	806	517	521-616	22			866			50%	<i>E.O. + #866, TAPE MKTS</i>
6	807	518	522-617	23			867			70%	<i>B.O. + #867, 900 10sec ALL ONES</i>
7	808	518	522-617	23	5					50%	<i>Vib #23652 BACK IN.</i>
8	809	519	523-618	24						50%	
9	810	520	524-619	25						50%	
10	811	521	525-620	26						50%	
11	812	522	526-621	27						50%	
12	813	523	527-622	28						50%	
13	814	524	528-623	29						50%	
14	815	525	529-624	30						50%	
15	816	526	530-625	31						50%	
16	817	527	531-626	32						50%	
17	818	528	532-627	33						50%	
18	819	529	533-628	34			867			50%	<i>E.O. + #867, TAPE MKTS</i>
19	820	530	534-629	35	<i>wind stop</i>		868			70%	<i>B.O. + #868, 900 10sec ALL ONES.</i>
20	821	530	534-629	35						50%	
21	822	531	535-630	36						50%	
22	823	532	536-631	37						50%	
23	824	533	537-632	38						50%	
24	825	534	538-633	39						50%	
25	826	535	539-634	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 45

CLIENT <b>LOCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>clear</b>		LINE NO. <b># 1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80~	AMP	
1	827	536	540-635	41	5	Missed Sweep 868	OUT	IN	50%	Vib # 16344 Down. Bad Leak, hydraulic HOSE.
2	828	537	541-636	42	4				50%	
3	829	538	542-637	43					50%	
4	830	539	543-638	44					50%	
5	831	540	544-639	45					50%	
6	832	541	545-640	46		868			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.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 46

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	DATE <i>5-24-82</i>
LINE NO. <i>#1</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>1-6sec</i>			<i>MISSED 50-550</i>	<i>870</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET At 619-618</i>
2	<i>FINF</i>	<i>2-'' ''</i>								<i>BOT # 870 # 900 10 sec All ones.</i>
3	<i>D.R.D</i>	<i>4-'' ''</i>								<i>4 vibs. 1st vib starts 6' past Flag. 100' spacing</i>
4	<i>SUMTERT</i>	<i>2-'' ''</i>								<i>41.25' move up. 8 sweeps.</i>
5	<i>N.R.J test</i>	<i>2-'' ''</i>								
6	<i>Similarity</i>	<i>1-32sec</i>	<i>217</i>	<i>4</i>					<i>30%</i>	<i>vib 16.344 DOWN, WORKING ON MASS.</i>
7	<i>WINDSTRIP</i>	<i>1-52sec</i>	<i>1</i>						<i>66db</i>	
8	<i>542</i>	<i>546-641</i>	<i>1</i>	<i>4</i>					<i>50%</i>	
9	<i>543</i>	<i>547-642</i>	<i>2</i>						<i>50%</i>	
10	<i>544</i>	<i>548-643</i>	<i>3</i>						<i>50%</i>	
11	<i>545</i>	<i>549-644</i>	<i>4</i>						<i>50%</i>	
12	<i>546</i>	<i>550-645</i>	<i>5</i>						<i>50%</i>	
13	<i>547</i>	<i>551-646</i>	<i>6</i>						<i>50%</i>	
14	<i>548</i>	<i>552-647</i>	<i>7</i>						<i>50%</i>	
15	<i>549</i>	<i>553-648</i>	<i>8</i>		<i>2</i>				<i>50%</i>	
16	<i>550</i>	<i>554-649</i>	<i>9</i>						<i>50%</i>	
17	<i>551</i>	<i>555-650</i>	<i>10</i>			<i>870</i>			<i>50%</i>	<i>E.D. + # 870 TAPEMKTS</i>
18	<i>552</i>	<i>556-651</i>	<i>11</i>	<i>WIND STRIP</i>		<i>871</i>			<i>70db</i>	<i>B.O. + # 871, 900 10sec ALL ONES.</i>
19	<i>552</i>	<i>556-651</i>	<i>11</i>						<i>50%</i>	
20	<i>553</i>	<i>557-652</i>	<i>12</i>						<i>50%</i>	
21	<i>554</i>	<i>558-653</i>	<i>13</i>						<i>50%</i>	
22	<i>555</i>	<i>559-654</i>	<i>14</i>						<i>50%</i>	
23	<i>336</i>	<i>560-655</i>	<i>15</i>		<i>2</i>				<i>50%</i>	
24	<i>557</i>	<i>561-656</i>	<i>16</i>						<i>50%</i>	
25	<i>558</i>	<i>562-657</i>	<i>17</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>32sec/8 → 32Hz</i>		SWEEP PATTERN <i>5 sec REMARKS</i>		SWEEPS PER PATTERN <i>8</i>	
SWEEP PATTERNS PER SETUP <i>1</i>		PATCH PATTERN <i>     </i>			
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-7100's 1-4900</i>	TYPE GEOPHONE <i>ETELV22R</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 52sec Record Length</i>			OBSERVER <i>R. PATTON, M. Richey</i>	PARTY MGR. <i>A. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 47

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-24-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	852	559	563-658	18	4	<i>MISSED SWEEP</i>	871	<i>OUT</i>	<i>IN</i>	50%	
2	853	560	564-659	19	2					50%	
3	854	561	565-660	20	2					50%	<i>Vibs ARE ON OTHER SIDE OF CANYON.</i>
4	855	562	566-661	21	1					50%	
5	856	563	567-662	22	2		871			50%	<i>E.O. + #871 TAPE MKTS</i>
6	857	564	568-663	23	<i>WIND STRIP</i>		872			66%	<i>B.O. + #872, 900 10sec ALL ONES.</i>
7	858	564	568-663	23	3					50%	
8	859	565	569-664	24	3					50%	
9	860	566	570-665	25	1					50%	
10	861	567	571-666	26	4					50%	
11	862	568	572-667	27	2					50%	<i>Vibs ARE STARTING IN CANYON GOING IN and</i>
12	863	569	573-668	28	7					50%	<i>OUT OF Dead AREAS. MISSING TONES.</i>
13	864	570	574-669	29	4					50%	
14	865	571	575-670	30	4					50%	
15	866	572	576-671	31	4					50%	
16	867	573	577-672	32	3					50%	
17	868	574	578-673	33	3					50%	
18	869	575	579-674	34			872			50%	
19	870	576	580-675	35	<i>WIND STRIP</i>		873			70%	
20	871	576	580-675	35	1					50%	
21	872	577	581-676	36						50%	
22	873	578	582-677	37						50%	
23	874	579	583-678	38						50%	
24	875	580	584-679	39						50%	
25	876	581	585-680	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 48

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-24-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	<i>877 582</i>	<i>586-681</i>	<i>41</i>	<i>4</i>	<i>20dB</i>	<i>873</i>	<i>OUT</i>	<i>IN</i>	<i>50%</i>	
2	<i>878 583</i>	<i>587-682</i>	<i>42</i>						<i>50%</i>	
3	<i>879 584</i>	<i>588-683</i>	<i>43</i>						<i>50%</i>	
4	<i>880 585</i>	<i>589-684</i>	<i>44</i>						<i>50%</i>	
5	<i>881 586</i>	<i>590-685</i>	<i>45</i>						<i>50%</i>	<i>L</i>
6	<i>882 587</i>	<i>591-686</i>	<i>46</i>			<i>873</i>			<i>50%</i>	<i>E.O.T # 873, TAPE MKTS</i>
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. 49

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-25-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	<i>PULSE</i>	<i>1-6sec</i>			<i>MISSING SWEEP</i>	<i>874</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 662-663</i>
2	<i>EINT</i>	<i>2-6sec</i>								<i>B.O. #874, 900 10sec All ones.</i>
3	<i>D.R.D</i>	<i>4-11"</i>								
4	<i>SCUM test</i>	<i>2-11"</i>								<i>4 Vibs 100' spacing 4.25 move up +6' PAST</i>
5	<i>N.R.5 test</i>	<i>2-11"</i>								<i>FLAG (8 sweep) 32sec sweep 52sec Record.</i>
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>						<i>30%</i>
7	<i>WINDSTRIP</i>	<i>1-52sec</i>	<i>2</i>							<i>66Db</i>
8	<i>588</i>	<i>592-687</i>	<i>2</i>	<i>4</i>						<i>50%</i>
9	<i>589</i>	<i>593-688</i>	<i>3</i>							<i>50%</i>
10	<i>590</i>	<i>594-689</i>	<i>4</i>							<i>50%</i>
11	<i>591</i>	<i>595-690</i>	<i>5</i>		<i>2</i>					<i>50%</i>
12	<i>592</i>	<i>596-691</i>	<i>6</i>		<i>2</i>					<i>50%</i>
13	<i>593</i>	<i>597-692</i>	<i>7</i>		<i>2</i>					<i>50%</i>
14	<i>594</i>	<i>598-693</i>	<i>8</i>		<i>1</i>					<i>50%</i>
15	<i>595</i>	<i>599-694</i>	<i>9</i>		<i>1</i>					<i>50%</i>
16	<i>596</i>	<i>600-695</i>	<i>10</i>		<i>1</i>					<i>50%</i>
17	<i>597</i>	<i>601-696</i>	<i>11</i>			<i>874</i>				<i>50%</i>
18	<i>598</i>	<i>602-697</i>	<i>12</i>	<i>wind strip</i>		<i>875</i>				<i>66Db</i>
19	<i>598</i>	<i>602-697</i>	<i>12</i>		<i>2</i>					<i>50%</i>
20	<i>599</i>	<i>603-698</i>	<i>13</i>	<i>5</i>	<i>4</i>					<i>50%</i>
21	<i>600</i>	<i>604-699</i>	<i>14</i>		<i>4</i>					<i>50%</i>
22	<i>601</i>	<i>605-700</i>	<i>15</i>							<i>50%</i>
23	<i>602</i>	<i>606-701</i>	<i>16</i>							<i>50%</i>
24	<i>603</i>	<i>607-702</i>	<i>17</i>							<i>50%</i>
25	<i>604</i>	<i>608-703</i>	<i>18</i>							<i>50%</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8-32Hz/32sec</i>		SWEEP PATTERN <i>See REMARKS</i>		SWEEPS PER PATTERN <i>8</i>	
GEOPHONES PER PATCH <i>24</i>		NO. OF RECORDING PATCHES <i>46</i>		TYPE VIBRATOR <i>4-1100's 1-1900</i>	
TYPE GEOPHONE <i>ETLEND2R</i>		FREQUENCY <i>7.5Hz</i>		STATION INTERVAL <i>330'</i>	
REMARKS <i>8ms Sample RATE/52sec Record Length</i>		OBSERVER <i>R. PATTON, M. RICHIE</i>		PARTY MGR. <i>L. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division** 50  
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	DATE <i>5-25-82</i>
			LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	003	605	609-704	19	5	<i>MISSING</i> 875	<i>OUT</i>	<i>IN</i>	50%	
2	004	606	610-705	20					50%	
3	005	607	611-706	21					50%	
4	006	608	612-707	22		875			50%	<i>E.O. + #877, TAPE MKTS.</i>
5	007	609	613-708	23	<i>WIND STRIP</i>	876			66Db	<i>B.O. + #876, 900 10sec ALL ONES.</i>
6	008	609	613-708	23					50%	
7	009	610	614-709	24					50%	
8	010	611	615-710	25					50%	
9	011	612	616-711	26					50%	
10	012	613	617-712	27					50%	
11	013	614	618-713	28					50%	
12	014	615	619-714	29					50%	
13	015	616	620-715	30					50%	
14	016	617	621-716	31					50%	
15	017	618	622-717	32					50%	
16	018	619	623-718	33					50%	
17	019	620	624-719	34		876			50%	<i>E.O. + #876, TAPE MKTS.</i>
18	020	621	625-720	35	<i>WIND STRIP</i>	877			66Db	<i>B.O. + #877, 900 10sec ALL ONES.</i>
19	021	621	625-720	35	2				50%	
20	022	622	626-721	36					50%	
21	023	623	627-722	37	1				50%	
22	024	624	628-723	38					50%	
23	025	625	629-724	39	2				50%	
24	026	626	630-725	40					50%	
25	027	627	631-726	41					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 51

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-25-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	028	629	632-727	42	5	<i>MISSING 5000</i>	877	OUT	IN	50%	
2	029	629	633-728	43						50%	
3	030	630	634-729	44						50%	
4	031	631	635-730	45						50%	
5	032	632	636-731	46			877			50%	<i>F.O. + #877, TAPE MKTS</i>
6	033	633	637-732	47	<i>wind strip</i>		878			60db	<i>B.O. + #878, 900 10rec ALL ONES</i>
7	034	633	637-732	47						50%	
8	035	634	638-733	48						50%	
9	036	635	639-734	49						50%	
10	037	636	640-735	40						50%	<i>Recorder moved UP STA# 672-673</i>
11	038	637	641-736	41						50%	
12	039	638	642-737	42						50%	
13	040	639	643-738	43						50%	
14	041	640	644-739	44						50%	
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. 52

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-26-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933	PULSE			MISSED SWEEP	878	OUT	IN		Recorder SET AT 716-717
2	934	EINT								
3	935	D.R.D								4 Vib 100' spacings 41.25 move UP
4	936	SUM TEST								+6' PAST FLAG 1st Vib. (8 sweep) 32sec
5	937	N.R.J. test								sweep, 52sec Record.
6	932	SIMILARITY	217	5		878				E.O.T #878 TAPE MKTS.
7	042	WIND strip	1			879				B.O.T #879, 900 10sec ALL ONES.
8	043	641		4						Vib #23651 Down, work ON PAD LEGS.
9	044	642								
10	045	643								
11	046	644								
12	047	645								
13	048	646								
14	049	647								
15	050	648								
16	051	649								
17	052	650								
18	053	651								
19	054	652				879				E.O.T #879 Tape MKTS
20	055	653				880				B.O.T #880, 900 10sec ALL ONES.
21	056	653								
22	057	654								
23	058	655								
24	059	656								
25	060	657								

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>8 &gt; 32 Hz / 32 sec</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-V116035 1-V900</b>	TYPE GEOPHONE <b>E+LEVA2B</b>	FREQUENCY <b>7.5 Hz</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>		OBSERVER <b>R. PATTON, M. RICH</b>	PARTY MGR. <b>J. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 53

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	DATE <i>5-26-82</i>
LINE NO. <i>#1</i>			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	061	662-757	18	4	<i>Missed Sweep</i>	880	out	IN	50%	
2	062	663-758	19						50%	
3	063	664-759	20						50%	
4	064	665-760	21						50%	
5	065	666-761	22						50%	
6	066	667-762	23			880			50%	<i>E.O. #880, TAPE MKTS.</i>
7	067	668-763	24	<i>wind strip</i>		881			66%	<i>B.O. #881, 900 lose ALL ONES</i>
8	068	668-763	24	1					50%	
9	069	669-764	25						50%	
10	070	670-765	26						50%	
11	071	671-766	27						50%	
12	072	672-767	28						50%	
13	073	673-768	29						50%	
14	074	674-769	30						50%	
15	075	675-770	31						50%	
16	076	676-771	32						50%	
17	077	677-772	33						50%	
18	078	678-773	34						50%	
19	079	679-774	35			881			50%	<i>E.O. #881, TAPE MKTS</i>
20	080	680-775	36	<i>wind strip</i>		882			66%	<i>B.O. #882, 900 lose ALL ONES.</i>
21	081	680-775	36						50%	
22	082	681-776	37	3					50%	
23	083	682-777	38						50%	
24	084	683-778	39						50%	
25	085	684-779	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 54

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>5-26-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>DIRT ROAD</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	<i>086</i>	<i>681</i>	<i>685-780</i>	<i>41</i>	<i>4</i>	<i>MISSed sweep</i>	<i>882</i>	<i>OUT</i>	<i>IN</i>	<i>50%</i>	
2	<i>087</i>	<i>682</i>	<i>686-781</i>	<i>42</i>						<i>50%</i>	
3	<i>088</i>	<i>683</i>	<i>687-782</i>	<i>43</i>						<i>50%</i>	
4	<i>089</i>	<i>684</i>	<i>688-783</i>	<i>44</i>						<i>50%</i>	
5	<i>090</i>	<i>685</i>	<i>689-784</i>	<i>45</i>			<i>882</i>			<i>50%</i>	<i>F.O.T #882, TAPE MKTS.</i>
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
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22											
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 55

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>Clear - windy</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE			Missed Sweep	883	OUT	IN		Recorder SET AT 761-762
2	934	EINT								B.O.T #883, 900 10sec ALL ONES.
3	935	D.R.D								4 Vibs, 100' SPACING 41.25' MOVE UP
4	936	SUMTEST								+6 PAST FLAG 1st Vib. (8 sweep)
5	937	N.R. Start								32sec SWEEP.
6	932	SIMILARITY	217	4						30% Vib #23651 Down, PAD BEING WORK ON.
7	091	WINDSTRIP	1-52sec							66db WINDS ARE steady at 20 MPH TIME IS
8	092	686	690-785	1	4					50% 9:30.
9	093	687	691-786	2						50%
10	094	688	692-787	3						50%
11	095	689	693-788	4						50%
12	096	690	694-789	5						50%
13	097	691	695-790	6						50%
14	098	692	696-791	7						50% WINDS ARE steady at 20 MPH TIME IS 11:30.
15	099	693	697-792	8						50%
16	100	694	698-793	9						50%
17	101	695	699-794	10		883				50% E.O.T #883, TAPE MKTS
18	102	696	700-795	11	wind strip	884				66db B.O.T #884, 900 10sec ALL ONES.
19	103	696	700-795	11						50%
20	104	697	701-796	12						50%
21	105	698	702-797	13						50%
22	106	699	703-798	14						50%
23	107	700	704-799	15						50%
24	108	701	705-800	16						50%
25	109	702	706-801	17						50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY <b>873Hz/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 1-1400</b>	TYPE GEOPHONE <b>E TELV22B</b>	FREQUENCY <b>7.5Hz</b>
REMARKS <b>8ms SAMPLE RATE/52sec Record Length</b>		OBSERVER <b>R. PATTON, M. RICHES</b>	PARTY MGR. <b>J. DAVIS</b>	STATION INTERVAL <b>330'</b>
		LINE DIR. <b>1 TO 24 W → E</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 66

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>5-27-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy + Windy</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	703	707-802	18	4		884	OUT	IN	50%	
2	704	708-803	19						50%	
3	705	709-804	20						50%	
4	706	710-805	21						50%	
5	707	711-806	22			884			50%	EOT *884 Tape MKTS
6	708	712-807	23	wind	strip	885			66db	BOT *885 *900 10 sec All ones
7	708	712-807	23		1				50%	
8	709	713-808	24						50%	
9	710	714-809	25						50%	
10	711	715-810	26						50%	
11	712	716-811	27						50%	
12	713	717-812	28						50%	
13	714	718-813	29						50%	
14	715	719-814	30						50%	
15	716	720-815	31						50%	
16	717	721-816	32						50%	
17	718	722-817	33						50%	
18	719	723-818	34			885			50%	EOT *885 Tape MKTS
19	720	724-819	35	wind	strip	886			66db	BOT *886 *900 10 sec All ones.
20	720	724-819	35						50%	
21	721	725-820	36						50%	
22	722	726-821	37						50%	
23	723	727-822	38						50%	
24	724	728-823	39						50%	
25	725	729-824	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 52

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>		TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy + Windy</b>
			DATE <b>5-27-82</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	135	726	730 - 825	41	4		886	OUT	IN	50%	Winds still Blowing About 20 MPH, Time 5:00	
2	136	727	731 - 826	42						50%		
3	137	728	732 - 827	43						50%		
4	138	729	733 - 828	44						50%		
5	139	730	734 - 829	45						50%		
6	140	731	735 - 830	46		886				50%		
7	141	732	736 - 831	47	wind strip	887				66db		EOt * 886 Tape mKts BOT * 887 * 900 10 sec All ones
8	142	732	736 - 831	47						50%		
9	143	733	737 - 832	48						50%		
10	144	734	738 - 833	49						50%		
11												
12												
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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. 58

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>5-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear + Wet</b>		LINE NO. <b>22/</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	887	OUT	IN		RECORDER SET AT 800-801
2	934 EINT	2- " "								5 vibs, 1st vib starts 56' past flag 100' spacing,
3	936 D.R.D	4- " "								41.25' move up, - 8 sweeps.
4	953 sum test	2- " "								4 vibs, 1st vib starts 6' past flag 100' spacing
5	961 N.R.S test	2- " "								41.25' move up, 8 sweeps.
6	932 SIMILARITY	1-32sec	217	5						30%
7	145 WIND STRIP	1-52sec	11							66db
8	146 735	739-834	11	5	2					50%
9	147 736	740-835	12							50%
10	148 737	741-836	13							50%
11	149 738	742-837	14							50%
12	150 739	743-838	15	4						50% vib # 17311 Down Transmission Leak.
13	151 740	744-839	16			887				50% EOT # 887 TAPE MKTs
14	152 741	745-840	17		wind strip	888				66db BOT # 888 # 900 10sec All ones.
15	153 741	745-840	17	5						50% vib # 17311 Back on Line.
16	154 742	746-841	18							50%
17	155 743	747-842	19							50%
18	156 744	748-843	20							50%
19	157 745	749-844	21							50%
20	158 746	750-845	22							50%
21	159 747	751-846	23							50%
22	160 748	752-847	24							50%
23	161 749	753-848	25							50%
24	162 750	754-849	26							50%
25	163 751	755-850	27							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8732 Hz / 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>E+ELV22B</b>	FREQUENCY <b>7.5 HZ</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>			OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 59

CLIENT <b>COCAPP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>5-28-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear + wet</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	164	756-851	28	5		888	OUT	IN	50%	EOT # 888 Tape MKTs.
2	165	757-852	29	wind	strip	889			66db	BOT # 889 #900 10 sec ALLOWES.
3	166	757-852	29						50%	
4	167	758-853	30						50%	
5	168	759-854	31						50%	
6	169	760-855	32						50%	
7	170	761-856	33						50%	
8	171	762-857	34						50%	
9	172	763-858	35						50%	
10	173	764-859	36						50%	
11	174	765-860	37						50%	
12	175	766-861	38						50%	
13	176	767-862	39						50%	
14	177	768-863	40			889			50%	EOT # 889 Tape MKTs.
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 60

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy + Windy</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				890	OUT	IN		BOT # 890 * 900 10 sec All ones.
2	934/935 FINT	2 - " "								Recorder SET AT 840 - 841.
3	936/939 D.R.D.	4 - " "								5 Vib 100' spacing 41.25 move UP
4	953/954 Sum Test	2 - " "								+56 past FLAG 1st Vib.
5	960/961 NRJ Test	2 - " "								
6	932 Similarity	1 - 32 sec	217	5						30%
7	178 Wind Strip	1 - 52 sec	1							66Db
8	179 765	769 - 864	1	5						50%
9	180 766	770 - 865	2							50%
10	181 767	771 - 866	3							50%
11	182 768	772 - 867	4							50%
12	183 769	773 - 868	5							50%
13	184 770	774 - 869	6							50%
14	185 771	775 - 870	7							50%
15	186 772	776 - 871	8							50% Pick UP NOISE ON this Record, SET IN AREA.
16	187 773	777 - 872	9							50%
17	188 774	778 - 873	10		2	890				50% E.O. + # 890, TAPE MKTS
18	189 775	779 - 874	11	WIND strip		891				66Db B.O. + # 891, 900 10sec # 21 ONES.
19	190 775	779 - 874	11							50%
20	191 776	780 - 875	12							50%
21	192 777	781 - 876	13							50% NOTE: crew WAS STANDING BY For thunder & lightning
22	193 778	782 - 877	14							50% the front OF LINE IS Picking UP some LEAKAGE.
23	194 779	783 - 878	15							50% From RAIN
24	195 780	784 - 879	16							50%
25	196 781	785 - 880	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 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-x 11005 1-x 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 2.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 61

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-1-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>PARTLY CLOUDY</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	80 ~	AMP	
1	782	786-881	18	5	Mixed gain	891	OUT	IN	50%	
2	783	787-882	19						50%	
3	784	788-883	20						50%	
4	785	789-884	21						50%	
5	786	790-885	22			891			50%	E.O.T # 891, TAPE MKTS.
6										
7										
8										
9										
10										
11										
12										
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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.

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

62

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-2-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				892	OUT	IN		B.O.T #892, 900 10sec ALL ONES
2	934/935 EINT	2 - " "								Recorder SET AT 862-863
3	936/939 D.R.D.	4 - " "								5 Vib 100' SPACING 41.25 MOVE UP
4	953/954 Sum TEST	2 - " "								1st Vib 56' PAST FLAG (8 SWEEP) 32sec SWEEP
5	960/961 NRT TEST	2 - " "								32sec Record.
6	932 Similarity	1 - 32 sec	217	5						30%
7	202 Wind Strip	1 - 52 sec	1							700b
8	203 787	791-886	1	5						50%
9	204 788	792-887	2							50%
10	205 789	793-888	3							50%
11	206 790	794-889	4							50%
12	207 791	795-890	5							50%
13	208 792	796-891	6							50%
14	209 793	797-892	7							50%
15	210 794	798-893	8							50%
16	211 795	799-894	9							50%
17	212 796	800-895	10			892				50% E.O.T #892, TAPE MKTS
18	213 797	801-896	11	Wind strip		893				700b B.O.T #893, 900 10sec ALL ONES-
19	214 797	801-896	11							50%
20	215 798	802-897	12							50%
21	216 799	803-898	13							50%
22	217 800	804-899	14							50%
23	218 801	805-900	15							50%
24	219 802	806-901	16							50%
25	220 803	807-902	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32 Hz / 32 sec	SWEEP PATTERN See Remarks	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN      x
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GEOPHONES PER PATCH 2.4	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100s 1-1900	TYPE GEOPHONE ETLEU22B	FREQUENCY 7.5#2	STATION INTERVAL 330'	LINE DIR. 1 TO 24 W → E
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REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER K. Patton	PARTY MGR. M. Richey	PARTY MGR. J. Davis
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# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 63

CLIENT <i>COCORP.</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-2-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	804	808-903	18	5	<i>missed sweep</i>	893	OUT	IN	50%	
2	805	809-904	19						50%	
3	806	810-905	20						50%	
4	807	811-906	21						50%	
5	808	812-907	22			893			50%	<i>F.O. #893, TAPE MKTS</i>
6	809	813-908	23		<i>wind strip</i>	894			70dB	<i>B.O. #894, 900 10SEC ALL ONES.</i>
7	809	813-908	23						50%	
8	810	814-909	24						50%	
9	811	815-910	25						50%	
10										
11										
12										
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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.						

# OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc. 64

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-3-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</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>1-6sec</i>			<i>Missed Sweep</i>	<i>894</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 887-888</i>
2	<i>EINT</i>	<i>2- " "</i>								<i>5 Vibs 100' spacing 41.25 MOVE UP.</i>
3	<i>D.R.D</i>	<i>4- " "</i>								<i>+56 past FLAG 1st Vib. (8 sweep) 32sec</i>
4	<i>SUM test</i>	<i>2- " "</i>								<i>Sweep, 52sec Record.</i>
5	<i>N.R.S test</i>	<i>2- " "</i>								
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>					<i>30%</i>	
7	<i>WIND strip</i>	<i>1-52sec</i>	<i>1</i>						<i>70Db</i>	
8	<i>812</i>	<i>816-911</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
9	<i>813</i>	<i>817-912</i>	<i>2</i>						<i>50%</i>	
10	<i>814</i>	<i>818-913</i>	<i>3</i>						<i>50%</i>	
11	<i>815</i>	<i>819-914</i>	<i>4</i>						<i>50%</i>	
12	<i>816</i>	<i>820-915</i>	<i>5</i>						<i>50%</i>	
13	<i>817</i>	<i>821-916</i>	<i>6</i>			<i>894</i>			<i>50%</i>	<i>E.O. # 894, TAPE MKTS</i>
14	<i>818</i>	<i>822-917</i>	<i>7</i>	<i>WIND strip</i>		<i>895</i>			<i>70Db</i>	<i>B.O. # 895, 900 10sec ALL ONES.</i>
15	<i>818</i>	<i>822-917</i>	<i>7</i>						<i>50%</i>	
16	<i>819</i>	<i>823-918</i>	<i>8</i>						<i>50%</i>	
17	<i>820</i>	<i>824-919</i>	<i>9</i>						<i>50%</i>	
18	<i>821</i>	<i>825-920</i>	<i>10</i>						<i>50%</i>	
19	<i>822</i>	<i>826-921</i>	<i>11</i>						<i>50%</i>	
20	<i>823</i>	<i>827-922</i>	<i>12</i>						<i>50%</i>	
21	<i>824</i>	<i>828-923</i>	<i>13</i>						<i>50%</i>	
22	<i>825</i>	<i>829-924</i>	<i>14</i>						<i>50%</i>	
23	<i>826</i>	<i>830-925</i>	<i>15</i>						<i>50%</i>	
24	<i>827</i>	<i>831-926</i>	<i>16</i>						<i>50%</i>	
25	<i>828</i>	<i>832-927</i>	<i>17</i>						<i>50%</i>	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8-32Hz/32sec</i>		SWEEP PATTERN <i>5sec REMARKS</i>		SWEEPS PER PATTERN <i>8</i>	
SWEEP PATTERNS PER SETUP <i>1</i>		PATCH PATTERN <i>     X     </i>		STATION INTERVAL <i>330'</i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-V1100's 1-V900</i>	TYPE GEOPHONE <i>E+EV22B</i>	FREQUENCY <i>7.5Hz</i>	LINE DIR. 1 TO 24 <i>N7E</i>
REMARKS <i>8ms SAMPLE RATE, 52sec Record Length</i>			OBSERVER <i>R. PATTON, M. Richey</i>	PARTY MGR. <i>L. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 65

CLIENT <i>COCORP</i>			AREA <i>UTAH</i>			STATE <i>UTAH</i>		COUNTY <i>MILLARD</i>		DATE <i>6-3-82</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>				WEATHER <i>clear</i>				LINE NO. <i>#1</i>		
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS		
							LOCUT	60 ~	AMP			
1	249	829	833-928	18	5	<i>Missed Sweep</i> 895	<i>DILT</i>	<i>1N</i>	<i>50%</i>	<i>E.O.T #895, TAPE MKTS</i>		
2	250	830	834-929	19	<i>wind</i>	<i>strip</i> 896			<i>70db</i>	<i>B.O.T #896, 900 10sec ALL ONES.</i>		
3	251	830	834-929	19					<i>50%</i>			
4	252	831	835-930	20					<i>50%</i>			
5	253	832	836-931	21					<i>50%</i>			
6	254	833	837-932	22					<i>50%</i>			
7	255	834	838-933	23					<i>50%</i>			
8	256	835	839-934	24					<i>50%</i>			
9	257	836	840-935	25					<i>50%</i>			
10	258	837	841-936	26					<i>50%</i>			
11	259	838	842-937	27					<i>50%</i>			
12	260	839	843-938	28					<i>50%</i>			
13	261	840	844-939	29					<i>50%</i>			
14	262	841	845-940	30		896			<i>50%</i>	<i>E.O.T #896 TAPE MKTS</i>		
15	263	842	846-941	31	<i>wind</i>	<i>strip</i> 897			<i>70db</i>	<i>B.O.T #897, 900 10sec ALL ONES.</i>		
16	264	842	846-941	31					<i>50%</i>			
17	265	843	847-942	32					<i>50%</i>			
18	266	844	848-943	33					<i>50%</i>			
19	267	845	849-944	34					<i>50%</i>			
20	268	846	850-945	35					<i>50%</i>			
21	269	847	851-946	36					<i>50%</i>			
22	270	848	852-947	37					<i>50%</i>			
23	271	849	853-948	38					<i>50%</i>			
24	272	850	854-949	39					<i>50%</i>			
25	273	851	855-950	40					<i>50%</i>			
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. 66

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-3-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	274	852	856-951	41	5	<i>Missed Sweep</i>	897	<i>OUT</i>	<i>IN</i>	50%	
2	275	853	857-952	42			897			50%	<i>E.O. + #897, TAPE MKTS</i>
3	276	854	858-953	43		<i>wind strip</i>	898			70%	<i>B.O. + #898, 900 10sec ALL ONES</i>
4	277	854	858-953	43						50%	
5	278	855	859-954	44						50%	
6	279	856	860-955	45						50%	
7	280	857	861-956	46						50%	
8	281	858	862-957	47						50%	
9	282	859	863-958	48						50%	
10	283	860	864-959	49						50%	
11	284	861	865-960	40						50%	<i>Recorder moved UP STA# 897-898.</i>
12	285	862	866-961	41						50%	
13	286	863	867-962	42						50%	
14	287	864	868-963	43						50%	
15	288	865	869-964	44			898			50%	<i>E.O. + #898, TAPE MKTS</i>
16	289	866	870-965	45		<i>wind strip</i>	899			70%	<i>B.O. + #899, 900 10sec ALL ONES.</i>
17	290	866	870-965	45						50%	
18	291	867	871-966	46						50%	
19	292	868	872-967	47						50%	
20	293	869	873-968	48						50%	
21	294	870	874-969	49						50%	
22											
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-4-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#1</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	<i>Pulse</i>	<i>1-6sec</i>			<i>MISSING Sweep</i>	<i>899</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 946-947</i>
2	<i>EINT</i>	<i>2- " "</i>								<i>5 Vibs 100' SPACING 41.25 MOVE UP.</i>
3	<i>D.R.D</i>	<i>4- " "</i>								<i>1st Vib +56 PAST FLAG.</i>
4	<i>SUM test</i>	<i>2- " "</i>								<i>4 Vibs 100' SPACING 41.25 MOVE UP</i>
5	<i>N.P. test</i>	<i>2- " "</i>								<i>1st Vib +6 PAST FLAG. (8 sweep) 32sec SWEEP.</i>
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>					<i>30%</i>	<i>32sec Record Length.</i>
7	<i>WIND STRIP</i>	<i>1-52sec</i>	<i>1</i>						<i>70db</i>	
8	<i>871</i>	<i>875-970</i>	<i>1</i>	<i>4</i>					<i>50%</i>	<i>Vib #23652 Replacing ALTERNATOR.</i>
9	<i>872</i>	<i>876-971</i>	<i>2</i>						<i>50%</i>	
10	<i>873</i>	<i>877-972</i>	<i>3</i>						<i>50%</i>	
11	<i>874</i>	<i>878-973</i>	<i>4</i>			<i>899</i>			<i>50%</i>	<i>E.O. + #899, TAPE MKTS.</i>
12	<i>875</i>	<i>879-974</i>	<i>5</i>	<i>wind strip</i>		<i>900</i>			<i>70db</i>	<i>B.O. + #900, 900 10sec ALL ONES.</i>
13	<i>875</i>	<i>879-974</i>	<i>5</i>		<i>1</i>				<i>50%</i>	
14	<i>876</i>	<i>880-975</i>	<i>6</i>						<i>50%</i>	
15	<i>877</i>	<i>881-976</i>	<i>7</i>						<i>50%</i>	
16	<i>878</i>	<i>882-977</i>	<i>8</i>						<i>50%</i>	
17	<i>879</i>	<i>883-978</i>	<i>9</i>	<i>5</i>					<i>50%</i>	<i>Vib #23652 BACK ON LINE.</i>
18	<i>880</i>	<i>884-979</i>	<i>10</i>						<i>50%</i>	
19	<i>881</i>	<i>885-980</i>	<i>11</i>	<i>4</i>	<i>1</i>				<i>50%</i>	<i>Vib #23652 DOWN, HOSE BUSTED ON PUMP.</i>
20	<i>882</i>	<i>886-981</i>	<i>12</i>						<i>50%</i>	
21	<i>883</i>	<i>887-982</i>	<i>13</i>						<i>50%</i>	
22	<i>884</i>	<i>888-983</i>	<i>14</i>						<i>50%</i>	
23	<i>885</i>	<i>889-984</i>	<i>15</i>						<i>30%</i>	
24	<i>886</i>	<i>890-985</i>	<i>16</i>			<i>900</i>			<i>50%</i>	<i>E.O. + #900, TAPE MKTS.</i>
25	<i>887</i>	<i>891-986</i>	<i>17</i>	<i>wind strip</i>		<i>901</i>			<i>70db</i>	<i>B.O. + #901, 900 10sec ALL ONES</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8732Hz/32sec</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 1-1900'</i>	TYPE GEOPHONE <i>ETE/V22B</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE/52sec Record Length</i>	OBSERVER <i>R. PATTON, M. RICKY</i>	PARTY MGR. <i>L. DAVIS</i>	LINE DIR. <i>1 TO 24 W → E</i>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 68

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-4-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	314	887	891-986	17	4	Missed 50-sec	901	OUT	IN	50%	
2	315	888	892-987	18						50%	
3	316	889	893-988	19						50%	
4	317	890	894-989	20						50%	
5	318	891	895-990	21						50%	
6	319	892	896-991	22						50%	
7	320	893	897-992	23						50%	
8	321	894	898-993	24						50%	
9	322	895	899-994	25						50%	
10	323	896	900-995	26						50%	
11	324	897	901-996	27						50%	
12	325	898	902-997	28			901			50%	E.O.T #901, TAPE MKTS.
13	326	899	903-998	29	wind strip		902			70%	B.O.T #902, 900 10sec ALL ONES.
14	327	899	903-998	29						50%	
15	328	900	904-999	30						50%	
16	329	901	905-1000	31						50%	
17	330	902	906-1001	32						50%	
18	331	903	907-1002	33						50%	
19	332	904	908-1003	34						30%	
20	333	905	909-1004	35						50%	
21	334	906	910-1005	36						50%	
22	335	907	911-1006	37						50%	
23	336	908	912-1007	38						50%	
24	337	909	913-1008	39						50%	
25	338	910	914-1009	40			902			50%	E.O.T #902, 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. 69

CLIENT <i>COCORP</i>		AREA <i>UTAH</i>			STATE <i>UTAH</i>		COUNTY <i>MILLARD</i>		DATE <i>6-4-82</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>			WEATHER <i>clear</i>				LINE NO. <i>#1</i>		
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	339	911	915-1010	41	wire strip	903	OUT	IN	70%	B.O.T #903, 900 10sec ALL ONES	
2	340	911	915-1010	41					50%		
3	341	912	916-1011	42					50%		
4	342	913	917-1012	43					50%		
5	343	914	918-1013	44					50%		
6	344	915	919-1014	45					50%		
7	345	916	920-1015	46					50%		
8	346	917	921-1016	47					50%		
9	347	918	922-1017	48					50%		
10	348	919	923-1018	49					50%		
11	349	920	924-1019	40					50%	RECORDER MOVED UP 956-957	
12	350	921	925-1020	41					50%		
13	351	922	926-1021	42		903			50%	F.O.T #903 TAPE MKTS.	
14	352	923	927-1022	43	wire strip	904			70%	B.O.T #904, 900 10sec ALL ONES.	
15	353	923	927-1022	43					50%		
16	354	924	928-1023	44					50%		
17	355	925	929-1024	45					50%		
18	356	926	930-1025	46					50%		
19	357	927	931-1026	47					50%		
20	358	928	932-1027	48					50%		
21	359	929	933-1028	49					50%		
22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-5-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1 - 6 sec		missed sweep	904	OUT	IN		Recorder SET AT 1005-1006
2	934/935	EINT	2 - " "							
3	936/939	D.R.D.	4 - " "							4 Vib 100 spacing 41.25 move UP
4	953/954	Sum TEST	2 - " "							1st Vib +6' Past Flag. (8 sweep) 32sec Sweep
5	960/961	NRT TEST	2 - " "							(32sec Record)
6	932	Similarity	1 - 32 sec	217	4	904			30%	Vib # 25874 DOWN, Replacing HOSE, E.O. + #904 TAPE MKTS
7	360	Wind strip	1 - 52 sec	1		905			66db	B.O. + #905, 900 10sec ALL ONES
8	361	930	934-1029	1	4				50%	
9	362	931	935-1030	2					50%	
10	363	932	936-1031	3					50%	
11	364	933	937-1032	4					50%	
12	365	934	938-1033	5					50%	
13	366	935	939-1034	6					50%	
14	367	936	940-1035	7					50%	
15	368	937	941-1036	8					50%	
16	369	938	942-1037	9					50%	
17	370	939	943-1038	10		905			50%	EOT # 905 Tape mKts
18	371	940	944-1039	11	wind strip	906			66db	Bot # 906 # 900 10sec ALL ONES
19	372	940	944-1039	11					50%	
20	373	941	945-1040	12					50%	
21	374	942	946-1041	13					50%	
22	375	943	947-1042	14					50%	
23	376	944	948-1043	15					50%	
24	377	945	949-1044	16					50%	
25	378	946	950-1045	17					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32Hz / 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-Y1100's 1-Y 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz
REMARKS 8ms sample rate / 52 sec Record Length		OBSERVER L. Patton	PARTY MGR M. Richey	

STATION INTERVAL 330'	LINE DIR. 1 TO 24 W → E	PARTY MGR L. Davis
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-5-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>21</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	947	951-1046	18	4	<i>Missed SW-sweep</i>	906	OUT	IN	50%	
2	948	952-1047	19						50%	
3	949	953-1048	20						50%	
4	950	954-1049	21			906			50%	E.O. + #906, TAPE MKTS
5	951	955-1050	22		<i>WIND STRIP</i>	907			50%	B.O. + #907, 900 1050 - ALL ONES.
6	951	955-1050	22						60%	
7	952	956-1051	23						50%	
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-7-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	80~	AMP	
1	933	PULSE			missed sweep	907	OUT	IN		Recorder SET AT 1029-1030
2	934	EINT								3 Vibs 100' SPACING 41.25 MOVE UP.
3	935	D.R.D								1st Vib +56 PAST FLAG. (8 SWEEP) 32sec SWEEP.
4	936	SUM test								
5	937	N.R.J								
6	938	SIMILARITY	217	5						30%
7	386	WINDSTRIP	1							66db
8	387	953	957-1052	240	3					50%
9	388	954	958-1053	1						50%
10	389	955	959-1054	2						50%
11	390	956	960-1055	3						50%
12	391	957	961-1056	4						50%
13	392	958	962-1057	5		907				50% E.O.T #907, TAPE MARKS
14	393	959	963-1058	6	WIND STRIP	908				66db B.O.T #908, 902 10sec ALL ONES.
15	394	959	963-1058	6						50%
16	395	960	964-1059	7						50%
17	396	961	965-1060	8						50%
18	397	962	966-1061	9						50%
19	398	963	967-1062	10						50%
20	399	964	968-1063	11						50%
21	400	965	969-1064	12						50%
22	401	966	970-1065	13						50%
23	402	967	971-1066	14						50%
24	403	968	972-1067	15						50%
25	404	969	973-1068	16						50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8.332 Hz / 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>ETEIV22B</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms sample RATE / 52sec Record Length</b>		OBSERVER <b>R. PATTON, M. Richey</b>	PARTY MGR. <b>K. DAVIS</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCORP</i>		AREA <i>UTAH</i>			STATE <i>UTAH</i>		COUNTY <i>MILLARD</i>		DATE <i>6-7-82</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>			WEATHER <i>partly cloudy</i>				LINE NO. <i>#1</i>		
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	405	970	974-1069	17	5	<i>missed sweep</i> 908	OUT	IN	50%	E.O.+*970 TAPE MKTS	
2	406	971	975-1070	18	<i>wind strip</i>	909			66DB	B.O.+*971, 900 10sec #11 ONES.	
3	407	971	975-1070	18					50%		
4	408	972	976-1071	19					50%		
5	409	973	977-1072	20					50%		
6	410	974	978-1073	21					50%		
7	411	975	979-1074	22					50%		
8	412	976	980-1075	23					50%		
9	413	977	981-1076	24					50%		
10	414	978	982-1077	25					50%		
11	415	979	983-1078	26	1				50%		
12	416	980	984-1079	27					50%		
13	417	981	985-1080	28					50%		
14	418	982	986-1081	29	1	909			50%	E.O.+*909, TAPE MKTS	
15	419	983	987-1082	30	<i>wind strip</i>	910			66DB	B.O.+*910, 900 10sec #11 ONES.	
16	420	983	987-1082	30					50%		
17	421	984	988-1083	31					50%		
18	422	985	989-1084	32					50%		
19	423	986	990-1085	33					50%		
20	424	987	991-1086	34					50%		
21	425	988	992-1087	35					50%		
22	426	989	993-1088	36					50%		
23	427	990	994-1089	37					50%		
24	428	991	995-1090	38					50%		
25	429	992	996-1091	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. 74

CLIENT <i>COCORP</i>			AREA <i>UTAH</i>			STATE <i>UTAH</i>			COUNTY <i>MILLARD</i>			DATE <i>6-17-82</i>		
CREW NO. <i>6834</i>			TERRAIN <i>Dirt Road</i>			WEATHER <i>partly cloudy</i>			LINE NO. <i>#1</i>					
REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP. GAIN	TAPE RL. NO.	F I L T E R			RE MARKS				
							LOCUT	60 ~	AMP					
1	430	993	997-1092	40	5	910	OUT	IN	50%	WINDS are 15-20 M.P.H. TIME IS 4:30.				
2	431	994	998-1093	41		910			50%	F.O.T #910, TAPE MKTS				
3	432	995	999-1094	42	wind strip	911			66%	B.O.T #911, 900 10sec ALL ONES				
4	433	995	999-1094	42					50%					
5	434	996	1000-1095	43					50%					
6	435	997	1001-1096	44					50%					
7	436	998	1002-1097	45					50%					
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME			DRIVING TIME		SYSTEM NO.		
SWEEP FREQUENCY			SWEEP PATTERN			SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL		LINE DIR. 1 TO 24		
REMARKS							OBSERVER			PARTY MGR.				

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-8-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>#1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL. NO.	F L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	<i>Pulse</i>	<i>1-6sec</i>			<i>missed sweep</i>	<i>911</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 1074-1075</i>
2	<i>EINT</i>	<i>2- " "</i>								<i>5 Vib 100' spacing 4125 move up</i>
3	<i>D.R.D</i>	<i>4- " "</i>								<i>1st Vib +56' Past Flag. (8 sweep) 32sec</i>
4	<i>SUM test</i>	<i>2- " "</i>								<i>sweep, 52sec Record Length</i>
5	<i>N.R.S</i>	<i>2- " "</i>								
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>						<i>30%</i>
7	<i>WIND strip</i>	<i>1-52sec</i>	<i>1</i>							<i>60db</i>
8	<i>999</i>	<i>1003-1098</i>	<i>1</i>	<i>4</i>						<i>50%</i>
9	<i>1000</i>	<i>1004-1099</i>	<i>2</i>	<i>5</i>						<i>50%</i>
10	<i>1001</i>	<i>1005-1100</i>	<i>3</i>							<i>50%</i>
11	<i>1002</i>	<i>1006-1101</i>	<i>4</i>			<i>911</i>				<i>50%</i>
12	<i>1003</i>	<i>1007-1102</i>	<i>5</i>		<i>wind strip</i>	<i>912</i>				<i>66db</i>
13	<i>1003</i>	<i>1007-1102</i>	<i>5</i>							<i>50%</i>
14	<i>1004</i>	<i>1008-1103</i>	<i>6</i>							<i>50%</i>
15	<i>1005</i>	<i>1009-1104</i>	<i>7</i>							<i>50%</i>
16	<i>1006</i>	<i>1010-1105</i>	<i>8</i>							<i>50%</i>
17	<i>1007</i>	<i>1011-1106</i>	<i>9</i>							<i>50%</i>
18	<i>1008</i>	<i>1012-1107</i>	<i>10</i>							<i>50%</i>
19	<i>1009</i>	<i>1013-1108</i>	<i>11</i>							<i>50%</i>
20	<i>1010</i>	<i>1014-1109</i>	<i>12</i>							<i>50%</i>
21	<i>1011</i>	<i>1015-1110</i>	<i>13</i>							<i>50%</i>
22	<i>1012</i>	<i>1016-1111</i>	<i>14</i>							<i>50%</i>
23	<i>1013</i>	<i>1017-1112</i>	<i>15</i>							<i>50%</i>
24	<i>1014</i>	<i>1018-1113</i>	<i>16</i>			<i>912</i>				<i>50%</i>
25	<i>1015</i>	<i>1019-1114</i>	<i>17</i>		<i>wind strip</i>	<i>913</i>				<i>66db</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8 732Hz/32sec</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>		FREQUENCY <i>7.5Hz</i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-1100's 1-4900</i>	TYPE GEOPHONE <i>ETELV2AB</i>	STATION INTERVAL <i>330'</i>	LINE DIR. I TO 24 <i>W-E</i>
REMARKS <i>8ms SAMPLE RATE / 52sec Record Length</i>			OBSERVER <i>R. PATTON, M. RICHEY</i>	PARTY MGR. <i>L. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 76

CLIENT <i>COCORP</i>			AREA <i>UTAH</i>			STATE <i>UTAH</i>		COUNTY <i>MILLARD</i>		DATE <i>6-8-82</i>	
CREW NO. <i>6834</i>		TERRAIN <i>Dirt Road</i>			WEATHER <i>Clear</i>				LINE NO. # <i>1</i>		
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	456	1015	1019-1114	17	5	<i>2150 SW-27</i> 913	OUT	IN	50%		
2	457	1016	1020-1115	18					50%		
3	458	1017	1021-1116	19					50%		
4	459	1018	1022-1117	20					50%		
5	460	1019	1023-1118	21					50%		
6	461	1020	1024-1119	22					50%		
7	462	1021	1025-1120	23					50%		
8	463	1022	1026-1121	24					50%		
9	464	1023	1027-1122	25					50%		
10	465	1024	1028-1123	26					50%		
11	466	1025	1029-1124	27					50%		
12	467	1026	1030-1125	28		913			50%	<i>E.O. + #913, TAPE MKTS</i>	
13	468	1027	1031-1126	29	<i>WIND strip</i>	914			66%	<i>B.O. + #914, 900 10sec ALL ONES</i>	
14	469	1027	1031-1126	29					50%		
15	470	1028	1032-1127	30					50%		
16	471	1029	1033-1128	31					50%		
17	472	1030	1034-1129	32					50%		
18	473	1031	1035-1130	33					50%		
19	474	1032	1036-1131	34					50%		
20	475	1033	1037-1132	35					50%		
21	476	1034	1038-1133	36					50%		
22	477	1035	1039-1134	37					50%		
23	478	1036	1040-1135	38					50%		
24	479	1037	1041-1136	39					50%		
25	480	1038	1042-1137	40		914			50%	<i>E.O. + #914, TAPE MKTS</i>	
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 <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>WILLARD</i>	DATE <i>6-8-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>#1</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP. GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	481	1039	1043-1138	41	wind strip	915	OUT	IN	660	B.O.T #915, 900 10sec ALL ONES.
2	482	1039	1043-1138	41					50%	
3	483	1040	1044-1139	42					50%	
4	484	1041	1045-1140	43					50%	
5	485	1042	1046-1141	44					50%	
6	486	1043	1047-1142	45					50%	
7	487	1044	1048-1143	46					30%	
8	488	1045	1049-1144	47					50%	WIND ARE BLOWING AT 15-20 MPH - TIME IS 4:45
9	489	1046	1050-1145	48					50%	
10	490	1047	1051-1146	49					50%	
11	491	1048	1052-1147	35					50%	Recorder move UP BETWEEN STA# 1089-1090
12	492	1049	1053-1148	36					50%	
13	493	1050	1054-1149	37		915			50%	E.O.T #915, TAPE MKTS
14	494	1051	1055-1150	38	wind strip	916			660	B.O.T #916, 900 10sec ALL ONES.
15	495	1051	1055-1150	38					50%	
16	496	1052	1056-1151	39					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.	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division** 18  
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-9-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>	LINE NO. <i>21</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	<i>Pulse</i>	<i>1-6sec</i>			<i>missed sweep</i>	<i>916</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 1128-1129</i>
2	<i>EINT</i>	<i>2-11 "</i>								
3	<i>D.R.D</i>	<i>4-11 "</i>								<i>5 Vibs 100' spacing 41.25 MOVE UP</i>
4	<i>SUM test</i>	<i>2-11 "</i>								<i>1st Vib +56 PAST FLAG (8 sweep) (32sec SWEEP)</i>
5	<i>N.R.S test</i>	<i>2-11 "</i>								<i>32sec Record Length.</i>
6	<i>932 SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>					<i>30%</i>	
7	<i>497 WIND STRIP</i>	<i>1-52sec</i>	<i>1</i>						<i>66%</i>	
8	<i>498 1053</i>	<i>1057-1152</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
9	<i>499 1054</i>	<i>1058-1153</i>	<i>2</i>						<i>50%</i>	
10	<i>500 1055</i>	<i>1059-1154</i>	<i>3</i>						<i>50%</i>	
11	<i>501 1056</i>	<i>1060-1155</i>	<i>4</i>						<i>50%</i>	
12	<i>502 1057</i>	<i>1061-1156</i>	<i>5</i>						<i>50%</i>	
13	<i>503 1058</i>	<i>1062-1157</i>	<i>6</i>			<i>916</i>			<i>50%</i>	<i>E.O.T #916, TAPE MKFS.</i>
14	<i>504 1059</i>	<i>1063-1158</i>	<i>7</i>	<i>WIND strip</i>		<i>917</i>			<i>66%</i>	<i>B.O.T #917, 900 10sec ALL ONES</i>
15	<i>505 1059</i>	<i>1063-1158</i>	<i>7</i>						<i>50%</i>	
16	<i>506 1060</i>	<i>1064-1159</i>	<i>8</i>						<i>50%</i>	
17	<i>507 1061</i>	<i>1065-1160</i>	<i>9</i>						<i>50%</i>	
18	<i>508 1062</i>	<i>1066-1161</i>	<i>10</i>						<i>50%</i>	
19	<i>509 1063</i>	<i>1067-1162</i>	<i>11</i>						<i>50%</i>	
20	<i>510 1064</i>	<i>1068-1163</i>	<i>12</i>						<i>50%</i>	
21	<i>511 1065</i>	<i>1069-1164</i>	<i>13</i>						<i>50%</i>	
22	<i>512 1066</i>	<i>1070-1165</i>	<i>14</i>						<i>50%</i>	
23	<i>513 1067</i>	<i>1071-1166</i>	<i>15</i>						<i>50%</i>	
24	<i>514 1068</i>	<i>1072-1167</i>	<i>16</i>						<i>50%</i>	
25	<i>515 1069</i>	<i>1073-1168</i>	<i>17</i>						<i>50%</i>	<i>BLASTING IN AREA, ON SWEEP NO. #7</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>832/32sec</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-V1100's 1-V900</i>	TYPE GEOPHONE <i>ETELV22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE / 52sec Record Length</i>		OBSERVER <i>R. PATTON / M. RICHEY</i>		PARTY MGR. <i>J. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc. 79

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-9-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP-GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	516	1070	1074-1169	18	5	<i>missed sweep</i> 917	<i>OUT</i>	<i>IN</i>	50%	<i>E.O.T. #917, TAPE MKTS.</i>
2	517	1071	1075-1170	19	<i>WIND strip</i>	918			66db	<i>B.O.T. #918, 900 10sec ALL ONES.</i>
3	518	1071	1075-1170	19					50%	
4	519	1072	1076-1171	20					50%	
5	520	1073	1077-1172	21					50%	
6	521	1074	1078-1173	22					50%	
7	522	1075	1079-1174	23					50%	
8	523	1076	1080-1175	24					50%	
9	524	1077	1081-1176	25					50%	
10	525	1078	1082-1177	26					50%	
11	526	1079	1083-1178	27					50%	
12	527	1080	1084-1179	28					50%	
13	528	1081	1085-1180	29					50%	
14	529	1082	1086-1181	30		918			50%	<i>E.O.T. #918, TAPE MKTS</i>
15	530	1083	1087-1182	31	<i>WIND strip</i>	919			66db	<i>B.O.T. #919, 900 10sec ALL ONES.</i>
16	531	1083	1087-1182	31					50%	
17	532	1084	1088-1183	32					50%	
18	533	1085	1089-1184	33					50%	
19	534	1086	1090-1185	34					50%	
20	535	1087	1091-1186	35					50%	
21	536	1088	1092-1187	36					50%	
22	537	1089	1093-1188	37					50%	
23	538	1090	1094-1189	38					50%	
24	539	1091	1095-1190	39					50%	
25	540	1092	1096-1191	40					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-9-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>clear</i>		LINE NO. <i>1</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LO CUT	60 ~	AMP	
1	541	1093	1097-1192	41	5	<i>Missed sweep</i> 919	<i>Out</i>	<i>IN</i>	<i>50%</i>	
2	542	1094	1098-1193	42		919			<i>50%</i>	<i>E.O. + #919, TAPE MKTS</i>
3	543	1095	1099-1194	43	<i>WIND STRIP</i>	920			<i>66%</i>	<i>B.O. + #920, 900 10sec All ones.</i>
4	544	1095	1099-1194	43					<i>50%</i>	
5	545	1096	1100-1195	44					<i>50%</i>	
6	546	1097	1101-1196	45					<i>50%</i>	
7	547	1098	1102-1197	46					<i>50%</i>	
8	548	1099	1103-1198	47					<i>50%</i>	
9	549	1100	1104-1199	48					<i>50%</i>	
10	550	1101	1105-1200	49					<i>50%</i>	
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>#1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec				920	OUT	IN		Recorder SET AT 1177-1178.
2	934 EINT	2-11"								
3	936 D.R.D	4-11"								5 Vibs 100' spacing 41.25 move UP
4	953 sum test	2-11"								1st Vib + 56 PAST FLAG.
5	961 N.R.J test	2-11"								
6	932 SIMILARITY	1-32sec	217	5		920			30%	E.O. + #920. TAPE MKTS
7	551 WIND STRIP	1-52sec	1			921			66%	B.O. + #921. 900 10sec ALL ONES.
8	552 1102	1106-1201	1	5					50%	
9	553 1103	1107-1202	2	4					50%	Vib #16344 Down, ATF leak
10	554 1104	1108-1203	3						50%	
11	555 1105	1109-1204	4						50%	
12	556 1106	1110-1205	5						50%	
13	557 1107	1111-1206	6						50%	
14	558 1108	1112-1207	7						50%	
15	559 1109	1113-1208	8						50%	
16	560 1110	1114-1209	9						50%	
17	561 1111	1115-1210	10						50%	
18	562 1112	1116-1211	11						50%	
19	563 1113	1117-1212	12			921			50%	E.O. + #921. TAPE MKTS
20	564 1114	1118-1213	13	WIND STRIP		922			66%	B.O. + #922. 900 10sec ALL ONES
21	565 1114	1118-1213	13	5					50%	Vib #16344 BACK ON LINE.
22	566 1115	1119-1214	14						50%	
23	567 1116	1120-1215	15						50%	NOTE: CABLE CROSSING HI-WAY PICKING UP NOISE.
24	568 1117	1121-1216	16						50%	
25	569 1118	1122-1217	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8.32 Hz / 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-Y100'S 1-Y900</b>	TYPE GEOPHONE <b>ETELV22R</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>			OBSERVER <b>R. PATTON, M. R. Key</b>	PARTY MGR. <b>L. DAVIS</b>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services** 82  
**Division**  
Geosource Inc.

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>#1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	570	1123-1218	18	5	MISSING	922	OUT	IN	50%	
2	571	1124-1219	19						50%	
3	572	1125-1220	20						50%	
4	573	1126-1221	21						50%	
5	574	1127-1222	22						50%	
6	575	1128-1223	23						50%	
7	576	1129-1224	24			922			50%	E.O.T #922, TAPE MKTS
8	577	1130-1225	25	WIND STRIP		923			66db	B.O.T #923, 900 10sec HILONES.
9	578	1130-1225	25						50%	
10	579	1131-1226	26						50%	
11	580	1132-1227	27	4					50%	Vib #17311 Down, HOSE BUSTED
12	581	1133-1228	28						50%	
13	582	1134-1229	29						50%	
14	583	1135-1230	30						50%	
15	584	1136-1231	31	4					50%	Vib #17311 BACK ON LINE, Vib #16344 Down, HOSE BUSTED
16	585	1137-1232	22						50%	Recorder MOVED UP BETWEEN STA # 1187-1188
17	586	1138-1233	23						50%	
18	587	1139-1234	24						50%	
19	588	1140-1235	25						50%	
20	589	1141-1236	26			923			50%	E.O.T #923, TAPE MKTS
21	590	1142-1237	27	WIND STRIP		924			66db	B.O.T #924, 900 10sec HILONES.
22	591	1142-1237	27						50%	
23	592	1143-1238	28						50%	
24	593	1144-1239	29						50%	
25	594	1145-1240	30						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-10-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	595	1142	1146-1241	31	4		924	OUT	IN	50%	
2	596	1143	1147-1242	32						50%	
3	597	1144	1148-1243	33						50%	
4	598	1145	1149-1244	34						50%	
5	599	1146	1150-1245	35						50%	
6	600	1147	1151-1246	36						50%	
7	601	1148	1152-1247	37	5					50%	Uib #16344 BACKON Line Replaced Bad Hose.
8	602	1149	1153-1248	38		924				50%	EOT # 924 Tape MKTS
9	603	1150	1154-1249	39	wind strip	925				66db	BOT # 925 *900 10sec All ones
10	604	1150	1154-1249	39						50%	
11	605	1151	1155-1250	40						50%	
12	606	1152	1156-1251	41						50%	
13	607	1153	1157-1252	42						50%	
14	608	1154	1158-1253	43						50%	
15	609	1155	1159-1254	44						50%	
16	610	1156	1160-1255	45						50%	
17	611	1157	1161-1256	46						50%	STACKED 1ST HALF.
18											
19											
20											
21											
22											
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-11-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6sec			Missed Sweep	925	OUT	IN		Recorder SET AT 1233-1234
2	934 EMT	2- " "								STA# 1283 OPEN DUE TO RIVER
3	936 D.R.D	4- " "								STA# 1291 OPEN DUE TO RXR.
4	938 Surttest	2- " "								5 Vibs 100' spacing 41.25 move UP
5	960 N.R.J test	2- " "								1st Vib +56' PAST FLAG-18 sweep (32sec sweep)
6	932 SIMILARITY	1-32sec	217	5		925			30%	E.O.T #925, TAPE MKTS
7	612 WIND STRIP	1-52sec	1	5	wind strip	926			66db	B.O.T #926, 900 10sec ALL ONES
8	613 1158	1162-1257	1	5					50%	
9	614 1159	1163-1258	2						50%	
10	615 1160	1164-1259	3						50%	
11	616 1161	1165-1260	4						50%	
12	617 1162	1166-1261	5		3				50%	
13	618 1163	1167-1262	6						50%	
14	619 1164	1168-1263	7						50%	
15	620 1165	1169-1264	8						50%	
16	621 1166	1170-1265	9						50%	
17	622 1167	1171-1266	10						50%	
18	623 1168	1172-1267	11						50%	
19	624 1169	1173-1268	12			926			50%	EOT #926 TAPE MKTS
20	625 1170	1174-1269	13		wind strip	927			66db	BOT #927 #900 10 sec ALL ONES
21	626 1170	1174-1269	13						50%	
22	627 1171	1175-1270	14						50%	
23	628 1172	1176-1271	15						50%	
24	629 1173	1177-1272	16						50%	
25	630 1174	1178-1273	17						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>332 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>4-y1100g 1-V900</b>	TYPE GEOPHONE <b>ETEL V22R</b>	FREQUENCY <b>7.5 Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms Sample RATE / 52sec Record Length</b>	OBSERVER <b>R. PATTON, M. RICHY</b>	PARTY MGR. <b>J. DAVIS</b>	LINE DIR. <b>1 TO 24 W-E</b>		

**●OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-11-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSED SWEEP	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	80~	AMP		
1	631	1175	1179-1274	18	5	1	927	OUT	IN	50%	
2	632	1176	1180-1275	19						50%	
3	633	1177	1181-1276	20						50%	
4	634	1178	1182-1277	21						50%	
5	635	1179	1183-1278	22						50%	
6	636	1180	1184-1279	23						50%	
7	637	1181	1185-1280	24			927			50%	E.O.T. #927, TAPE MKTS.
8	638	1182	1186-1281	25	WIND	strip	928			60%	B.O.T. #928, 900 10sec ALL ONES.
9	639	1182	1186-1281	25						50%	
10	SKIP	1183	1187-1282	26						50%	SKIP DUE TO HI-WAY.
11	640	1184	1188-1283	27						50%	STACKED LAST HALF.
12	641	1185	1189-1284	28						50%	
13	642	1186	1190-1285	29						50%	
14	643	1187	1191-1286	30						50%	
15	644	1188	1192-1287	31						50%	
16	645	1189	1193-1288	32						50%	
17	646	1190	1194-1289	33						50%	NOTE: BLAST ON SWEEP NO. #6
18	647	1191	1195-1290	34						50%	NOTE: BLAST ON SWEEP NO. #2
19	648	1192	1196-1291	35						50%	
20	649	1193	1197-1292	36						50%	
21	650	1194	1198-1293	37			928			50%	F.O.T. #928, TAPE MKTS
22	651	1195	1199-1294	38	WIND	strip	929			60%	B.O.T. #929, 900 10sec ALL ONES.
23	652	1195	1199-1294	38						50%	
24	653	1196	1200-1295	39						50%	
25	654	1197	1201-1296	40						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCO RP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>MILLARD</i>	DATE <i>6-14-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>		LINE NO. <i>#1</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>1-6sec</i>			<i>missed sweep</i>	<i>929</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder SET AT 1273-1274</i>
2	<i>FINT</i>	<i>2-11"</i>								<i>STA*1283 open due to River *1291 open due to Rail Road Tracks</i>
3	<i>DRD</i>	<i>4-11"</i>								<i>5 Vibs 100' spacing 4.25 MOVE UP</i>
4	<i>SUM test</i>	<i>2-11"</i>								<i>1st Vib +56 PAST FLAG. (8 sweep) 32sec</i>
5	<i>N.R.I test</i>	<i>2-11"</i>								<i>sweep, 52sec Record Length.</i>
6	<i>SIMILARITY</i>	<i>1-32sec</i>	<i>217</i>	<i>5</i>					<i>302</i>	<i>*1233-1234 1 mile OFFset South.</i>
7	<i>WIND STRIP</i>	<i>1-52sec</i>	<i>1</i>						<i>66db</i>	
8	<i>1198</i>	<i>1202-1297</i>	<i>1</i>	<i>5</i>					<i>50%</i>	
9	<i>1199</i>	<i>1203-1298</i>	<i>2</i>						<i>50%</i>	
10	<i>1200</i>	<i>1204-1299</i>	<i>3</i>						<i>50%</i>	
11	<i>1201</i>	<i>1205-1300</i>	<i>4</i>		<i>1</i>				<i>50%</i>	
12	<i>1202</i>	<i>1206-1301</i>	<i>5</i>			<i>929</i>			<i>50%</i>	<i>EOT * 929 Tape MKTs</i>
13	<i>1203</i>	<i>1207-1302</i>	<i>6</i>	<i>wind strip</i>		<i>930</i>			<i>66db</i>	<i>BOT * 930 * 900 10 sec All ones</i>
14	<i>1203</i>	<i>1207-1302</i>	<i>6</i>						<i>50%</i>	
15	<i>1204</i>	<i>1208-1303</i>	<i>7</i>						<i>50%</i>	
16	<i>1205</i>	<i>1209-1304</i>	<i>8</i>						<i>50%</i>	
17	<i>1206</i>	<i>1210-1305</i>	<i>9</i>						<i>50%</i>	<i>ON This U.P. picked up some noise From Train.</i>
18	<i>1207</i>	<i>1211-1306</i>	<i>10</i>		<i>1</i>				<i>50%</i>	
19	<i>1208</i>	<i>1212-1307</i>	<i>11</i>		<i>1</i>				<i>50%</i>	
20	<i>1209</i>	<i>1213-1308</i>	<i>12</i>						<i>50%</i>	
21	<i>1210</i>	<i>1214-1309</i>	<i>13</i>						<i>50%</i>	
22	<i>1211</i>	<i>1215-1310</i>	<i>14</i>						<i>50%</i>	
23	<i>1212</i>	<i>1216-1311</i>	<i>15</i>						<i>50%</i>	
24	<i>1213</i>	<i>1217-1312</i>	<i>16</i>						<i>50%</i>	
25	<i>1214</i>	<i>1218-1313</i>	<i>17</i>			<i>930</i>			<i>50%</i>	<i>EOT * 930 Tape MKTs.</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8-32Hz/32sec</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-y/100's 1-y/400</i>	TYPE GEOPHONE <i>ETL V22R</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms SAMPLE RATE/52sec Record Length</i>			OBSERVER <i>R. PATTON</i>	PARTY MGR. <i>J. DAVIS</i>	

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-14-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Mkt Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	674	1215	1219-1314	18	wind	strip	931	OUT	IN	66db	Bot # 931 #900 10 sec All ones
2	675	1215	1219-1314	18	5					50%	
3	676	1216	1220-1315	19						50%	
4	677	1217	1221-1316	20						50%	
5	678	1218	1222-1317	21						50%	
6	679	1219	1223-1318	22						50%	
7	680	1220	1224-1319	23						50%	
8	681	1221	1225-1320	24						50%	
9	682	1222	1226-1321	25						50%	
10	683	1223	1227-1322	26						50%	
11	684	1224	1228-1323	27						50%	
12	685	1225	1229-1324	28						50%	
13	686	1226	1230-1325	29			931			50%	EOT # 931 Tape MKTs
14	687	1227	1231-1326	30	wind	strip	932			66db	Bot # 932 #900 10 sec All ones
15	688	1227	1231-1326	30						50%	
16	689	1228	1232-1327	31						50%	
17	690	1229	1233-1328	32						50%	
18	691	1230	1234-1329	33						50%	
19	692	1231	1235-1330	34						50%	
20	693	1232	1236-1331	35						50%	STA* 1331 open Due to Drive way
21											Storm moving in pickup lighting + wind picking up. Shutting Down.
22											
23											
24											
25											

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Cloudy</b>	LINE NO. <b>1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweeps	932	OUT	IN		Recorder set AT 1308-1309
2	934/935 EPNT	2 - " "								STA*1283 open Due To River *1291 open Due To Rail Road
3	936/939 DRD	4 - " "								Tracks *1331 open Due To Drive way.
4	953/954 SumTEST	2 - " "								5 Vibs 100' spacing. 41.25' move up 1st Vib-
5	960/961 NRT TEST	2 - " "								STARTS +56' past Flag. 8 sweeps 32sec swp.
6	932 Similarity	1 - 32 sec	217	5					30%	STA*1334 OPEN Due To Drive way.
7	694 Wind Strip	1 - 52 sec	1						60db	
8	695 1233	1237-1332	1	5					50%	Stacked 1st half.
9	696 1234	1238-1333	2			932			50%	EOT # 932 Tape mKTS
10	697 1235	1239-1334	3	wind strip		933			66db	BOT # 933 # 900 10 sec All ones.
11	698 1235	1239-1334	3						50%	
12	699 1236	1240-1335	4		1				50%	
13	700 1237	1241-1336	5						50%	
14	701 1238	1242-1337	6						50%	
15	702 1239	1243-1338	7						50%	
16	703 1240	1244-1339	8						50%	
17	704 1241	1245-1340	9						50%	
18	705 1242	1246-1341	10						50%	
19	706 1243	1247-1342	11						50%	
20	707 1244	1248-1343	12			933			50%	EOT # 933 Tape mKTS
21	708 1245	1249-1344	13	wind strip		934			66db	BOT # 934 # 900 10 sec All ones
*22	709 1245	1249-1344	13						50%	
23	710 1246	1250-1345	14						50%	
24	711 1247	1251-1346	15						50%	
25	712 1248	1252-1347	16						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 1100'S 1-Y 900	
REMARKS 8ms Sample Rate / 52 sec Record Length		TYPE GEOPHONE ETLEV22B		FREQUENCY 7.5Hz	
OBSERVER R. Patton		STATION INTERVAL 330'		LINE DIR. 1 TO 24 W → E	
PARTY MGR. L. Davis					

OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER

Exploration Services  
Division  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-15-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy</b>	LINE NO. <b>1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			REMARKS	
							LOCUT	60 ~	AMP		
1	713	1249	1253-1348	17	5		934	out	IN	50%	
2	714	1250	1254-1349	18						50%	
3	715	1251	1255-1350	19						50%	
4	716	1252	1256-1351	20						50%	
5	717	1253	1257-1352	21						50%	Picked up some noise from train on this VP.
6	718	1254	1258-1353	22						50%	
7	719	1255	1259-1354	23						50%	
8	720	1256	1260-1355	24		934				50%	EOT * 934 Tape MKTs
9	721	1257	1261-1356	25	Wind strip	935				66db	BOT * 935 * 900 10 sec All ones
10	722	1257	1261-1356	25						50%	
11	723	1258	1262-1357	26						50%	
12	724	1259	1263-1358	27						50%	
13	725	1260	1264-1359	28						50%	
14	726	1261	1265-1360	29						50%	
15	727	1262	1266-1361	30						50%	
16	728	1263	1267-1362	31						50%	
17	729	1264	1268-1363	32						30%	Stacked 1st half due to house.
18	SKIP	1265	1269-1364	33						SKIP	Due to house
19	SKIP	1266	1270-1365	34						SKIP	Due to house & Hwy.
20	730	1267	1271-1366	35						50%	
21	731	1268	1272-1367	36						50%	
22	732	1269	1273-1368	37		935				50%	EOT * 935 Tape MKTs
23	733	1270	1274-1369	38	Wind strip	936				66db	BOT * 936 * 900 10 sec All ones.
24	734	1270	1274-1369	38						50%	
25	735	1271	1275-1370	39						50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy</b>	DATE <b>6-15-82</b>
LINE NO. <b>1</b>			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	736	1272	1276-1371	40	5	936	OUT	IN	50%	
2	737	1273	1277-1372	41					50%	STA #1372 Open Due TO Drive way.
3	738	1274	1278-1373	42					50%	
4	739	1275	1279-1374	43					50%	
5	740	1276	1280-1375	44					50%	
6	741	1277	1281-1376	45					50%	
7	742	1278	1282-1377	46		936			50%	EOT # 936 Tape MKTs.
8	SKIP	1279	1283-1378	47					SKIP	Due TO house
9	SKIP	1280	1284-1379	48					SKIP	Due TO house + Cross Country.
10										Also skiped Due TO Cross Country 1281-1283.
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	DATE <b>6-16-82</b>
LINE NO. <b>1</b>			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1 - 6 sec			937	OUT	IN		Bot #937 *900 10sec All ones.
2	934/935	EINT	2 - " "							Recorder set AT 1359-1360. STA #1291 open
3	936/939	DRD	4 - " "							Due to Rail Road. STA #1331 + 1334 + 1372 + 1378
4	953/954	Sum TEST	2 - " "							Are All open Due to Drive ways.
5	960/961	NRS TEST	2 - " "							5 vibs 100' spacing, 41.25' move up. 1st vib.
6	932	Similarity	1 - 32 sec	217	5				308	STARTS +56' past Flag 8 sweeps. 32 sec Sump.
7	743	Wind Strip	1 - 52 sec	1					60db	
8	744	1284	1288-1383	1	5	2			508	STA*1347 picking up noise from running water.
9	745	1285	1289-1384	2					508	
10	746	1286	1290-1385	3					508	
11	747	1287	1291-1386	4					508	
12	748	1288	1292-1387	5		1			508	
13	749	1289	1293-1388	6		3			508	Stacked last half.
14	SKIP	1290	1294-1389	7					SKIP	Due to Rail Road Tracks
15	SKIP	1291	1295-1390	8					SKIP	Due to house + water way.
16	SKIP	1292	1296-1391	9					SKIP	" " " " "
17	SKIP	1293	1297-1392	10					SKIP	" " " " "
18	SKIP	1294	1298-1393	11					SKIP	Due to Concrete water way.
19	750	1295	1299-1394	12					508	Stacked on last half.
20	751	1296	1300-1395	13		1			508	
21	752	1297	1301-1396	14					508	
22	SKIP	1298	1302-1397	15					SKIP	Due to Concrete water way + Intersection.
23	753	1299	1303-1398	16		937			508	EOT #937 Tape MKTs
24	754	1300	1304-1399	17	wind strip	938			60db	Bot #938 *900 10sec All ones
25	755	1300	1304-1399	17					508	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32 sec		SWEEP PATTERN See Remarks		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4 - r1100's 1 - r 900	
REMARKS 8 ms Sample Rate / 52 sec Record Length		TYPE GEOPHONE ETL EV 22B		FREQUENCY 7.5Hz	
OBSERVER K. Patten			PARTY MGR. L. Davis		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	756	1305-1400	18	5	1	938	OUT	IN	50%	
2	757	1306-1401	19						50%	
3	758	1307-1402	20		1				50%	
4	759	1308-1403	21						50%	
5	760	1309-1404	22						50%	
6	761	1310-1405	23		1				50%	
7	762	1311-1406	24						30%	
8	763	1312-1407	25		3				30%	Stacked 1st half.
9	SKIP	1313-1408	26						SKIP	Due to house.
10	764	1314-1409	27						30%	Stacked last half.
11	765	1315-1410	28						50%	
12	766	1316-1411	29			938			50%	EOT # 938 Tape MKTs
13	767	1317-1412	30	wind	strip	939			60db	BOT # 939 # 900 10 sec All ones.
14	768	1317-1412	30						50%	
15	769	1318-1413	31						30%	
16	770	1319-1414	32						30%	
17	771	1320-1415	33						50%	
18	772	1321-1416	34						50%	
19	773	1322-1417	35						50%	
20	774	1323-1418	36						50%	
21	775	1324-1419	37		1				50%	
22	776	1325-1420	38						50%	
23	SKIP	1326-1421	39						SKIP	Due to cross country. #1323-1327, skip due to-
24	777	1328	45						30%	houses, barns + water wells.
25	778	1333-1428	46			939			30%	stacked 1st half. EOT # 939 Tape MKTs.

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

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**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-16-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	779	1332	1336-1431	24	wind strip	940	OUT	IN	60db	Bot #940 #900 10 sec All ones. STA* 1330+1331-
2	780	1332	1336-1431	24	stacked last	half			30%	SKIP Due to houses - Moved Recorder to 1384-1385
3	SKIP	1333	1337-1432	25					SKIP	*1333 - 1340 Due to Houses + Barns.
4	781	1341	1345-1440	33	4				30%	Vib #16344 Down - 4 Vib's 100' spacing 41.25' -
5	782	1342	1346-1441	34					50%	Move ups 1st Vib's starts +6' Past Flag 8 sweeps.
6	783	1343	1347-1442	35	5	1			50%	Vib #16344 Back on Line Replaced Fuel Filter.
7	784	1344	1348-1443	36					50%	
8	785	1345	1349-1444	37					50%	
9	786	1346	1350-1445	38					30%	Stacked 1st half.
10	SKIP	1347	1351-1446	39					SKIP	Due to water well
11	SKIP	1348	1352-1447	40					SKIP	" " " "
12	787	1349	1353-1448	41					30%	
13	788	1350	1354-1449	42					50%	
14	789	1351	1355-1450	43		940			50%	EOT #940 Tape mkt'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  
Division  
Geosource Inc.** 94

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Partly Cloudy</b>		LINE NO. <b>1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1 - 6 sec			941	OUT	IN		BOT # 941 # 900 10 sec All ones.
2	934/935	EINT	2 - " "							Recorder set AT 1427-1428. STA # 1372 + 1378 open-
3	936/937	DRD	4 - " "							Due To Drive ways.
4	953/954	Sum Test	2 - " "							5 Vib. 100' spacing 41.25' moveups. 1st Vib starts
5	960/961	NR TEST	2 - " "							+ 56' past Flag 8 sweeps 32 sec swp. 20 sec Listen
6	932	Similarity	1 - 32 sec	217	5				30%	ing, time. Hwy # 50 Crossing AT 1427 Picking up
7	790	Wind Strip	1 - 52 sec	1					66db	Some Noise From Traffic.
8	791	1352	1356-1451	1	5				50%	
9	792	1353	1357-1452	2					50%	
10	793	1354	1358-1453	3					50%	
11	794	1355	1359-1454	4					50%	
12	795	1356	1360-1455	5					50%	
13	796	1357	1361-1456	6	a				50%	
14	797	1358	1362-1457	7					50%	
15	798	1359	1363-1458	8					50%	
16	799	1360	1364-1459	9					50%	
17	800	1361	1365-1460	10		941			50%	EOT # 941 Tape MKTs.
18	801	1362	1366-1461	11	wind STRPP	942			66db	BOT # 942 # 900 10 sec All ones
19	802	1362	1366-1461	11					50%	
20	803	1363	1367-1462	12					50%	
21	804	1364	1368-1463	13					50%	
22	805	1365	1369-1464	14					50%	
23	806	1366	1370-1465	15					50%	
24	807	1367	1371-1466	16					50%	
25	808	1368	1372-1467	17					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 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-X 1100's 1-X 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5#2	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten	PARTY MGR F. Davis	LINE DIR. 1 TO 24 W → E		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

as

CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			RE MARKS	
							LOCUT	60 ~	AMP		
1	809	1369	1373-1468	18	5	1	942	OUT	IN	50%	
2	810	1370	1374-1469	19						30%	Stacked 1st half.
3	SKIP	1371	1375-1470	20						SKIP	Due to house
4	SKIP	1372	1376-1471	21						SKIP	" " "
5	SKIP	1373	1377-1472	22						SKIP	Due to Silo.
6	811	1374	1378-1473	23						30%	
7	812	1375	1379-1474	24						50%	
8	813	1376	1380-1475	25			942			30%	EOT # 942 Tape MKTs. #1376 stacked 1st half
9	SKIP	1377	1381-1476	26						SKIP	Due to houses.
10	SKIP	1378	1382-1477	27						SKIP	" " "
11	SKIP	1379	1383-1478	28						SKIP	" " "
12	814	1380	1384-1479	29	wind strip		943			66db	BOT #943 #900 10 sec All ones.
13	815	1380	1384-1479	29						30%	Stacked last half.
14	816	1381	1385-1480	30						50%	
15	817	1382	1386-1481	31						50%	
16	818	1383	1387-1482	32						50%	
17	819	1384	1388-1483	33						50%	
18	820	1385	1389-1484	34		1				50%	
19	821	1386	1390-1485	35						50%	
20	822	1387	1391-1486	36						50%	Stacked 1st half.
21	SKIP	1388	1392-1487	37						SKIP	Due to Steep Terrain.
22	823	1389	1393-1488	38		2				50%	
23	824	1390	1394-1489	39						50%	
24	825	1391	1395-1490	40						50%	
25	826	1392	1396-1491	41			943			50%	EOT # 943 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.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-17-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>partly cloudy</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	827	1393	1397-1492	42	5	944	OUT	IN	66db	BOT * 944 * 900 10 sec All ones.
2	828	1393	1397-1492	42					50%	
3	829	1394	1398-1493	43	1				50%	
4	830	1395	1399-1494	44					50%	Stacked 1st half
5	SKIP	1396	1400-1495	45					SKIP	Due TO TERRAIN TO steep.
6	SKIP	1397	1401-1496	46					SKIP	" " " " "
7	831	1398	1402-1497	47					50%	
8	832	1399	1403-1498	48	1				50%	
9	833	1400	1404-1499	49					50%	
10	834	1401	1405-1500	29					50%	
11	835	1402	1406-1501	30					50%	
12	836	1403	1407-1502	31					50%	Stacked 1st half.
13	837	1404	1408-1503	32					50%	Stacked last half.
14	838	1405	1409-1504	33					50%	EOT * 944 Tape MKTs UP * 1406 last station.
15	839	1406	1410-1505	34		944			50%	→
16	840	1407	1411-1506	35	Wind strip	945			66db	BOT * 945 * 900 10 sec All ones.
17	841	1407	1411-1506	35					50%	
18										
19										
20										
21										
22										
23										
24										
25										

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



**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-18-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Shoulder</b>	WEATHER <b>Cloudy</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	861	1425	1429-1524	18	5	946	OUT	IN	50%	
2	862	1426	1430-1525	19	2	946			50%	stacked 1st half. EOT # 946 Tape MKTs.
3	SKIP	1427	1431-1526	20					SKIP	Due TO Hwy #50
4	863	1428	1432-1527	21	1	947			66Db	BOT * 947 # 900 10 sec All ones.
5	864	1428	1432-1527	21					50%	
6	SKIP	1429	1433-1528	22					SKIP	Due TO Railroad tracks.
7	SKIP	1430	1434-1529	23					SKIP	Due TO Cross COUNTRY.
8	865	1431	1435-1530	24					50%	Vibs Back on Gravel Road.
9	866	1432	1436-1531	25					50%	
10	867	1433	1437-1532	26					50%	
11	868	1434	1438-1533	27					50%	
12	869	1435	1439-1534	28					50%	Wind Picking up Blowing 13-15 MPH Time is 2:00
13	870	1436	1440-1535	29					50%	
14	871	1437	1441-1536	30					50%	
15	872	1438	1442-1537	31					50%	
16	873	1439	1443-1538	32	1				50%	
17	874	1440	1444-1539	33					50%	
18	875	1441	1445-1540	34		947			50%	EOT # 947 Tape MKTs.
19	876	1442	1446-1541	35	wind strip	948			66Db	BOT * 948 * 900 10 sec All ones.
20	877	1442	1446-1541	35					50%	
21	878	1443	1447-1542	36					50%	
22	879	1444	1448-1543	37					50%	
23	880	1445	1449-1544	38					50%	
24	881	1446	1450-1545	39					50%	
25	882	1447	1451-1546	40					50%	

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



**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-21-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>		LINE NO. # <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	003	1464	1468-1563	17	5	Missed Sweep 950	OUT	IN	50%	
2	004	1465	1469-1564	18					50%	
3	005	1466	1470-1565	19					50%	
4	006	1467	1471-1566	20					50%	
5	007	1468	1472-1567	21					50%	
6	008	1469	1473-1568	22					50%	
7	009	1470	1474-1569	23					50%	
8	010	1471	1475-1570	24					50%	another crew in area, BLAST ON sweep #6
9	011	1472	1476-1571	25					50%	
10	012	1473	1477-1572	26					50%	
11	013	1474	1478-1573	27		950			50%	E.O.T. #950, TAPE MKTS.
12										
13										NOTE: CREW STANDBY BY FOR RAIN, and lightning for 45 min. NOTE, clouds are getting worse.
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 PULSE	1-6sec			<del>MISSING SWEEP</del>	951	OUT	IN		Recorder SET AT 1530-1531
2	934/935 EINT	2-11"								B.O.T #951, 900 10sec ALL ONES.
3	936/939 D.R.D	4-11"								5 Vib 100' SPACING 41.25 MOVE UP
4	953/954 SCUM test	2-11"								1st Vib +56 PAST FLAG (8 SWEEP)
5	960/961 N.R. J test	2-11"								
6	932 SIMILARITY	1-32sec	217	5						30%
7	014 WINDstrip	1-52sec	1							66Db
8	015 1475	1479-1574	1	5						50%
9	016 1476	1480-1575	2		1					50%
10	017 1477	1481-1576	3							50%
11	018 1478	1482-1577	4							50%
12	019 1479	1483-1578	5							50%
13	020 1480	1484-1579	6							50%
14	021 1481	1485-1580	7							50%
15	022 1482	1486-1581	8							50%
16	023 1483	1487-1582	9							50%
17	024 1484	1488-1583	10			951				50% E.O.T #951, TAPE MATHS
18	025 1485	1489-1584	11	WIND strip		952				66Db B.O.T #952, 900 10sec ALL ONES.
19	026 1485	1489-1584	11							50%
20	027 1486	1490-1585	12							50%
21	SKIP 1487	1491-1586	13							SKIP Due to HI-WAY.
22	028 1488	1492-1587	14							50%
23	029 1489	1493-1588	15		1					50%
24	030 1490	1494-1589	16							50%
25	031 1491	1495-1590	17							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <b>8 x 32Hz / 32sec</b>	SWEEP PATTERN <b>SEE REMARK 4/63</b>	SWEEPS PER PATTERN <b>8</b>	SWEEP PATTERNS PER SETUP <b>1</b>	PATCH PATTERN <b>            x            </b>	
GEOPHONES PER PATCH <b>24</b>	NO. OF RECORDING PATCHES <b>96</b>	TYPE VIBRATOR <b>4-1100's 1-1400</b>	TYPE GEOPHONE <b>ETELV22B</b>	FREQUENCY <b>7.5Hz</b>	STATION INTERVAL <b>330'</b>
REMARKS <b>8ms SAMPLE RATE / 52sec Record Length</b>		OBSERVER <b>R. PATTON, M. RICHEY</b>	PARTY MGR. <b>A. DAVIS</b>		

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear - partly cloudy</b>		LINE NO. <b>1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	032	1492	1496-1591	18	5	<del>MISSED SWEEP</del> 952	OUT	IN	50%	
2	033	1493	1497-1592	19					50%	
3	034	1494	1498-1593	20					50%	
4	035	1495	1499-1594	21					50%	
5	036	1496	1500-1595	22					50%	
6	037	1497	1501-1596	23		952			50%	E.O.T #952, TAPE MKTS.
7	038	1498	1502-1597	24	WIND	strip 953			66Db	B.O.T #953, 900 10sec ALL OKES
8	039	1498	1502-1597	24					50%	
9	040	1499	1503-1598	25					50%	
10	041	1500	1504-1599	26					50%	
11	042	1501	1505-1600	27					50%	
12	043	1502	1506-1601	28					50%	
13	044	1503	1507-1602	29					50%	
14	045	1504	1508-1603	30					50%	
15	046	1505	1509-1604	31					50%	
16	047	1506	1510-1605	32					50%	
17	048	1507	1511-1606	33					50%	
18	049	1508	1512-1607	34					50%	
19	050	1509	1513-1608	35		953			50%	E.O.T #953, TAPE MKTS.
20	051	1510	1514-1609	36	WIND	strip 954			66Db	B.O.T #954, 900, 10sec ALL OKES.
21	052	1510	1514-1609	36					50%	
22	053	1511	1515-1610	37					50%	
23	054	1512	1516-1611	38					50%	
24	055	1513	1517-1612	39					50%	
25	056	1514	1518-1613	40					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-22-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>DIRT ROAD</b>	WEATHER <b>cloudy</b>		LINE NO. <b>#1</b>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	057 1515	1518-1614	41	5	MISSING SWEEP	954	OUT	IN	50%	
2	058 1516	1520-1615	42						50%	
3	059 1517	1521-1616	43						50%	
4	060 1518	1522-1617	44						50%	
5	061 1519	1523-1618	45						50%	
6	062 1520	1524-1619	46						50%	
7	063 1521	1525-1620	47			954			50%	E.O. #954, 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.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweep	955	OUT	IN		Recorder SET at 1596-1597
2	934/935 EINT	2 - " "								B.O.T #955, 900 10sec ALL ONES.
3	936/939 D.R.D.	4 - " "								
4	953/954 Summ Test	2 - " "								
5	960/961 NRT Test	2 - " "								
6	932 Similarity	1 - 32 sec	217	5						30%
7	064 Wind Strip	1 - 52 sec	2							66Db
8	065 1522	1526-1621	2	5	2					50%
9	066 1523	1527-1622	3		3					50%
10	067 1524	1528-1623	4		3					50%
11	068 1525	1529-1624	5		3					50%
12	069 1526	1530-1625	6		3					50%
13	070 1527	1531-1626	7		3					50%
14	071 1528	1532-1627	8		3					50%
15	072 1529	1533-1628	26							50% Recorder moved BACK, BAD RADIO TONES.
16	073 1530	1534-1629	27							50% Recorder SET at 1579-1580.
17	074 1531	1535-1630	28			955				50% E.O.T #955, TAPE MKTS
18	075 1532	1536-1631	29		Wind Strip	956				66Db B.O.T #956, 900 10sec ALL ONES.
19	076 1532	1536-1631	29							50%
20	077 1533	1537-1632	30							50%
21	078 1534	1538-1633	31							50%
22	079 1535	1539-1634	32							50%
23	080 1536	1540-1635	33							50%
24	081 1537	1541-1636	34							50%
25	082 1538	1542-1637	35							50%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 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 1100S 1-Y 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz
STATION INTERVAL 330'		LINE DIR. 1 TO 24 W → E		

REMARKS 8ms Sample Rate / 52sec Record Length	OBSERVER R. Patton M. Richey	PARTY MGR. L. Davis
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>		LINE NO. <b>#1</b>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP. GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	083	1539	1543-1638	36	5	MISTAKEN 956	OUT	IN	50%	
2	084	1540	1544-1639	37	1				50%	
3	085	1541	1545-1640	38	4				50%	Vib #17311 DOWN, BACK MOTOR RUNNING HOT.
4	086	1542	1546-1641	39		956			50%	E.O.T.#956, TAPE MKTS
5	087	1543	1547-1642	40	wind strip	957			66Db	B.O.T.#957, 900 10sec ALL ONES.
6	088	1543	1547-1642	40					50%	
7	089	1544	1548-1643	41					50%	
8	090	1545	1549-1644	42					50%	
9	091	1546	1550-1645	43					50%	
10	092	1547	1551-1646	44					50%	
11	093	1548	1552-1647	45					50%	
12	094	1549	1553-1648	46					50%	
13	095	1550	1554-1649	47					50%	
14	096	1551	1555-1650	48					50%	
15	097	1552	1556-1651	49					50%	
16	098	1553	1557-1652	33					50%	Vib #17311 BACK ON LINE. Recorder moved
17	099	1554	1558-1653	34		957			50%	UP BETWEEN, 1596-1597. E.O.T.#957, TAPE MKTS.
18	100	1555	1559-1654	35	wind strip	958			66Db	B.O.T.#958, 900 10sec ALL ONES.
19	101	1555	1559-1654	35					50%	
20	102	1556	1560-1655	36					50%	
21	103	1557	1561-1656	37					50%	
22	104	1558	1562-1657	38					50%	
23	105	1559	1563-1658	39					50%	
24	106	1560	1564-1659	40	4				50%	Vib #17311 DOWN, OVER HEATING ON BACK MOTOR.
25	107	1561	1565-1660	41					50%	

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>Millard</b>	DATE <b>6-23-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>clear</b>	LINE NO. <b>#1</b>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	108	1566-1661	42	5	<del>missed</del>	958	OUT	IN	50%	
2	109	1567-1662	43						50%	
3	110	1568-1663	44						50%	
4	111	1569-1664	45						50%	
5	112	1570-1665	46			958			50%	E.O. #958, TAPE MKTS
6	113	1571-1666	47		WIND STCP	959			66%	E.O. #959, 900 10sec ALLOWES.
7	114	1571-1666	47						50%	
8										
9										
10										
11										
12										
13										
14										
15										
16										
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19										
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22										
23										
24										
25										

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

**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division  
Geosource Inc.**

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CLIENT <b>COCORP</b>	AREA <b>UTAH</b>	STATE <b>UTAH</b>	COUNTY <b>MILLARD</b>	DATE <b>6-24-82</b>
CREW NO. <b>6834</b>	TERRAIN <b>Dirt Road</b>	WEATHER <b>Clear</b>	LINE NO. <b>1</b>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse	1 - 6 sec			959	OUT	IN		Recorder Set up AT 1630-1631
2	934/935	EINT	2 - " "							
3	936/939	DRD	4 - " "							5 Vibs, 100' spacing, 4/25 move UP.
4	953/954	Sum TEST	2 - " "							1st Vib +56 PAST FLAG (8 SWEEP)
5	960/961	NR TEST	2 - " "							
6	932	Similarity	1 - 32 sec	217	5					30%
7	115	Wind strip	1 - 52 sec	14						66db
8	116	1568	1572-1667	14	5					50%
9	117	1569	1573-1668	15						50%
10	118	1570	1574-1669	16						50%
11	119	1571	1575-1670	17						50%
12	120	1572	1576-1671	18						50%
13	121	1573	1577-1672	19						50%
14	122	1574	1578-1673	20						50%
15	123	1575	1579-1674	21		959				50% E.O.T #959, TAPE MKTS
16	124	1576	1580-1675	22	Wind strip	960				66db B.O.T #960, 900 10sec ALLOWES
17	125	1576	1580-1675	22						50%
18	126	1577	1581-1676	23	1					50%
19	127	1578	1582-1677	24						50%
20	128	1579	1583-1678	25	4					50% Vib #17311 Down, BAD Leak.
21	129	1580	1584-1679	26						50%
22	130	1581	1585-1680	27						50%
23	131	1582	1586-1681	28						50%
24	132	1583	1587-1682	29						50%
25	133	1584	1588-1683	30	5					50% Vib #17311 BACK ON LINE

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32Hz / 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-Y 1100's 1-Y 900	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5Hz
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER K. Patton	PARTY MGR. M. Richey

STATION INTERVAL 330'	LINE DIR. 1 TO 24 W → E
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**OBSERVER'S REPORT  
DIGITAL VIBROSEIS RECORDER**

**Exploration Services  
Division**  
Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>Millard</i>	DATE <i>6-24-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>Clear</i>	LINE NO. <i>1</i>	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	134	1585	1589-1684	31	5	<i>MISSED SWEEP</i> 960	<i>OUT</i>	<i>IN</i>	50%	
2	135	1586	1590-1685	32					50%	
3	136	1587	1591-1686	33		960			50%	<i>E.O.T #960, TAPE MKTS.</i>
4	137	1588	1592-1687	34	<i>wind strip</i>	961			66%	<i>B.O.T #961, 900 10sec ALL ONES</i>
5	138	1588	1592-1687	34					50%	
6	139	1589	1593-1688	35					50%	
7	140	1590	1594-1689	36					50%	
8	141	1591	1595-1690	37					50%	
9	142	1592	1596-1691	38					50%	
10	143	1593	1597-1692	39					50%	
11	144	1594	1598-1693	40					50%	
12	145	1595	1599-1694	41					50%	
13	146	1596	1600-1695	42					50%	
14	147	1597	1601-1696	43					50%	
15	148	1598	1602-1697	44					50%	
16	149	1599	1603-1698	45		961			50%	<i>E.O.T #961, TAPE MKTS</i>
17	150	1600	1604-1699	46	<i>wind strip</i>	962			66%	<i>B.O.T #962, 900 10sec ALL ONES.</i>
18	151	1600	1604-1699	46					50%	
19	152	1601	1605-1700	47					50%	
20	<i>SKIP</i>	1602	1606-1701	48		962			<i>SKIP</i>	<i>Due to WATER WELL. E.O.T #962, TAPE MKTS</i>
21										<i>E.O.L. LINE #1.</i>
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.		