

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Sanpete	DATE 9-21-82
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Clear	LINE NO. 3	

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	106	OUT	IN		Bot * 106 * 900 10sec All ones
2	934/935 FINT	2 - " "								Recorder set at 519-520
3	936/939 DRD	4 - " "								4 Vib's 100' spacing. 41.25' move up. 1st Vib's starts + 6' past flag. 8 sweeps, 32 sec Sweep, 20 sec listing.
4	933/934 Sum TEST	2 - " "								Vib * 17311 Down. Rear U joint out.
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4					502	New vib * 25865 now on line.
7	001 wind strip	1 - 52 sec	2						66db	START OF Line * 3 Pulling W → E.
8	002 548	449-544	2	4					502	4 Sweeps
9	003 548	449-544	2						502	8 "
10	004 549	450-545	3		1				502	4 "
11	005 549	450-545	3						502	8 "
12	006 550	451-546	4						502	4 "
13	007 550	451-546	4						502	8 "
14	008 551	452-547	5						502	4 "
15	009 551	452-547	5		1				502	8 "
16	010 552	453-548	6						502	4 "
17	011 552	453-548	6			106			502	8 " EOT * 106 Tape MKTs.
18	012 553	454-549	7		Wind strip	107			66db	Bot * 107 * 900 10 sec All ones
19	013 553	454-549	7						502	4 "
20	014 553	454-549	7						502	8 "
21	015 554	455-550	8						502	4 "
22	016 554	455-550	8						502	8 "
23	017 555	456-551	9						502	4 "
24	018 555	456-551	9						502	8 "
25	019 556	457-552	10						502	4 "

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 + 4	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X
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GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y 1100's	TYPE GEOPHONE FTL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'	LINE DIR. 1 TO 24 W → E
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REMARKS 8 ms Sample Rate / 52 sec Rec Length	OBSERVER K. Patton	PARTY MGR. L. Davis
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Division
Geosource Inc.

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Sanpete	DATE 9-21-82
CREW NO. 6834	TERRAIN Dirt Road Rolling Hills	WEATHER Partly Cloudy	LINE NO. 3	

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	556	457-552	10	4		107	OUT	IN	50%	8 sweeps
2	557	458-553	11						50%	4 "
3	557	458-553	11						50%	8 "
4	558	459-554	12						50%	4 "
5	558	459-554	12			107			50%	8 " EOT #107 Tape MKTs.
6										
7										
8										
9										
10										
11										
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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.

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Geosource Inc.**

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CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 9-22-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	80~	AMP	
1	933 Pulse	1 - 6 sec			Missed Sweeps	108	OUT	IN		Bot #108 #900 10sec All ones.
2	934/935 FINT	2 - " "								Recorder set AT 528-529
3	936/939 DRD.	4 - " "								5 Vibs 1st Vib starts +56' Past Flag. 100' Spacing
4	953/954 SumTEST	2 - " "								4/125' move ups 8sweeps, 32sec sweep, 20sec listing.
5	960/961 NRT TEST	2 - " "								AT STA* 511 Picking up noise from Running Water.
6	932 Similarity	1 - 32 sec	217	5					502	Vib #17311 Back on line.
7	025 Wind Strip	1 - 52 sec	4						66db	STA* 478 Picking up noise from Running Water.
8	026 559	460-555	4	5	1				502	4 Sweeps
9	027 559	460-555	4						502	8 "
10	028 560	461-556	5		1				502	4 "
11	029 560	461-556	5						502	8 "
12	030 561	462-557	6						502	4 " Stacked 1st half
13	031 561	462-557	6						502	8 " " " "
14	032 562	463-558	7						502	4 " " " "
15	033 562	463-558	7						502	8 " " " "
16	034 563	464-559	8						502	4 " " " "
17	035 563	464-559	8			108			502	8 " EOT #108 Tape MKTS
18	036 564	465-560	9	Wind Strip		109			66db	Bot #109 #900 10sec All ones.
19	037 564	465-560	9						502	4 " " " "
20	038 564	465-560	9						502	8 " " " "
21	039 565	466-561	10						502	4 " 4 Vibs 1st Vib starts +6' Past Flag 100'-
22	040 565	466-561	10		3				502	8 " Spacing 41.25' move up. 8sweeps 32sec Sweep.
23	041 566	467-562	11						502	4 " 20 sec listing.
24	042 566	467-562	11						502	8 " " " "
25	043 567	468-563	12	4					502	4 " Vib #17311 Down. Missing TONES.

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 + 4	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN X	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100's	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patton	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 W → E		

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Geosource Inc.

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CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 9-22-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	F I L T E R			RE MARKS
							LOCUT	80 ~	AMP	
1	044	567	468-563	12	4		109	OUT	IN	50 ² 8 Sweeps
2	045	568	469-564	13	5	1				50 ² 4 " Vib # 17311 Back on line, Cleaned Cards.
3	046	568	469-564	13						50 ² 8 "
4	047	569	470-565	14						50 ² 4 " Stacked 1st half
5	048	569	470-565	14			109			50 ² 8 " Stacked 1st half EOT # 109 Tape MKTS
6	049	570	471-566	15	wind	strip	110			66db BOT # 110 * 900 10sec All ones
7	050	570	471-566	15						50 ² 4 " OFF set Stacked Last half
8	051	570	471-566	15						50 ² 8 " " " " " " "
9	052	571	472-567	16						50 ² 4 " Back on line.
10	053	571	472-567	16						50 ² 8 "
11	054	572	473-568	17						50 ² 4 "
12	055	572	473-568	17						50 ² 8 "
13	056	573	474-569	18						50 ² 4 "
14	057	573	474-569	18						50 ² 8 "
15	058	574	475-570	19						50 ² 4 "
16	059	574	475-570	19						50 ² 8 "
17	060	575	476-571	20						50 ² 4 "
18	061	575	476-571	20			110			50 ² 8 " EOT # 110 Tape MKTS
19	062	576	477-572	21	wind	strip	111			66db BOT # 111 * 900 10sec All ones.
20	063	576	477-572	21						50 ² 4 " OFF set
21	064	576	477-572	21						50 ² 8 " " "
22	065	577	478-573	22						50 ² 4 " " "
23	066	577	478-573	22						50 ² 8 " " "
24	067	578	479-574	23						50 ² 4 " " "
25	068	578	479-574	23						50 ² 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.	

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CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 9-22-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear		LINE NO. 3

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	069	579	480-575	24	5		111	OUT	IN	50% 4	sweeps Stacked. OFF set
2	070	579	480-575	24						50% 8	" " " "
3	071	580	481-576	25						50% 4	" OFF set
4	072	580	481-576	25						50% 8	" " "
5	073	581	482-577	26						50% 4	" " "
6	074	581	482-577	26		111				50% 8	" " " EOT# 111 Tape MKTs.
7	075	582	483-578	27	wind strip	112				66db	ROT # 112 # 900 10 sec All ones
8	076	582	483-578	27						50% 4	" Vibs Back on line
9	077	582	483-578	27						50% 8	" " " " "
10	078	583	484-579	28						50% 4	"
11	079	583	484-579	28						50% 8	"
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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		LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.		

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CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3

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	112	OUT	JN		Recorder set At 556-557.
2	934/935 EINT	2 - " "								5 vibs 1st vib starts +56' past flag 100' spacing
3	936/939 DR.D.	4 - " "								41.25' MOVE UP, 8 sweeps 36sec sweep, 20 sec listing.
4	953/954 SUM TEST	2 - " "								
5	960/961 NRT TEST	2 - " "								AT STA #511 picking up noise from running water.
6	932 Similarity	1 - 32 sec	217	5						50%
7	080 Wind Strip	1 - 52 sec	1							66db
8	081 584	485-580	1	5						50% 4 Sweeps
9	082 584	485-580	1							50% 8 "
10	083 585	486-581	2							50% 4 "
11	084 585	486-581	2			112				50% 8 " EOT * 112 Tape MKTS
12	085 586	487-582	3		Wind Strip	113				66db BOT * 113 * 900 10sec All ones.
13	086 586	487-582	3							50% 4 "
14	087 586	487-582	3							50% 8 "
15	088 587	488-583	4							50% 4 " OFF set
16	089 587	488-583	4							50% 8 " " "
17	090 588	489-584	5							50% 4 " " "
18	091 588	489-584	5							50% 8 " " "
19	092 589	490-585	6							50% 4 " " "
20	093 589	490-585	6							50% 8 " " "
21	094 590	491-586	7							50% 4 " " "
22	095 590	491-586	7			113				50% 8 " " " EOT * 113 Tape MKTS
23	096 591	492-587	8		Wind Strip	114				66db BOT * 114 * 900 10sec All ones
24	097 591	492-587	8							50% 4 " Vibs Back on Line
25	098 591	492-587	8							50% 8 "

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 4 + 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN x
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y 1100's	TYPE GEOPHONE ETLEU 22B	FREQUENCY 7.5 Hz
STATION INTERVAL 330'			LINE DIR. 1 TO 24 W → E	

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

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3
DATE 9-23-82			

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	099	592	493-588	9	5		114	OUT	IN	50%	4 Sweeps
2	100	592	493-588	9						50%	8 "
3	101	593	494-589	10						50%	4 "
4	102	593	494-589	10						50%	8 "
5	103	594	495-590	11						50%	4 "
6	104	594	495-590	11						50%	8 "
7	105	595	496-591	12						50%	4 " stacked 1st half
8	106	595	496-591	12						50%	8 " " " "
9	107	596	497-592	13						50%	4 " stacked last half
10	108	596	497-592	13		114				50%	8 " " " " EOT * 114 Tape MKTS.
11	109	597	498-593	14	wind strip	115				66db	BOT * 115 #900 10 sec All ones.
12	110	597	498-593	14	1					50%	4 "
13	111	597	498-593	14						50%	8 "
14	112	598	499-594	15						50%	4 "
15	113	598	499-594	15						50%	8 "
16	114	599	500-595	16						50%	4 "
17	115	599	500-595	16						50%	8 "
18	116	600	501-596	17						50%	4 "
19	117	600	501-596	17						50%	8 " FILE # 121 EOT * 115 Tape MKTS.
20	118	601	502-597	18	stacked 1	NO	move	up		50%	8 sweeps Vib * 3 ON Flag 200' spacing Between Vibs.
21	119	601	502-597	18	stacked	NO	move	up		50%	8 sweeps Vib * 3 ON Flag 150' spacing Between Vibs.
22	120	601	502-597	18	stacked 1	NO ¹¹⁵	move	up		50%	8 sweeps Vib * 3 ON Flag 100' spacing Between Vibs.
23	121	601	502-597	18	stacked	NO	move	up		50%	8 sweeps Vib * 3 ON Flag 50' spacing Between Vibs.
24	122	602	503-598	19	wind strip	116				66db	BOT * 116 #900 10 sec All ones.
25	123	602	503-598	19						50%	4 " Vibs Back TO normal spacing + move up.

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.** 8

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY San Pete	DATE 9-23-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear		LINE NO. 3

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	124	602	503-598	19	5	116	OUT	IN	50%	8 Sweeps
2	125	603	504-599	20					50%	4 "
3	126	603	504-599	20					50%	8 "
4	127	604	505-600	21	1				50%	4 "
5	128	604	505-600	21					50%	8 "
6	129	605	506-601	22					50%	4 "
7	130	605	506-601	22					50%	8 " had to replace 7 cables pulled by -
8	131	606	507-602	23					50%	4 " vehicle.
9	132	606	507-602	23					50%	8 "
10	133	607	508-603	24					50%	4 "
11	134	607	508-603	24		116			50%	8 " FOT # 116 Tape MKTS.
12										
13										
14										
15										
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20										
21										
22										
23										
24										
25										

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

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Exploration Services **9**
Division
Geosource Inc.

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY San Pete
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Partly Cloudy	LINE NO. 3

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	117	OUT	IN		Bot # 117 #900 10 sec All ones.
2 934/935	FINI	2 - " "								Recorder set AT 574-575.
3 936/939	DRD	4 - " "								5 VIBS 1st VIB STARTS +56' PAST FLAG 100'
4 953/954	Sum TEST	2 - " "								spacing 41.25' Move-up 8 Sweeps 32 sec
5 960/961	NR5 TEST	2 - " "								Sweep 70 sec LISTENING
6 932	Similarity	1 - 32 sec	217	5					50%	LOT OF CATTLE Along Line.
7 135	Wind strip	1 - 52 sec	7						10db	
8 136	608	509-604	7	5					50%	4 Sweeps
9 137	608	509-604	7						50%	8 "
10 138	609	510-605	8						50%	4 "
11 139	609	510-605	8						50%	8 "
12 140	610	511-606	9		1				50%	4 "
13 141	610	511-606	9		2				50%	8 "
14 142	611	512-607	10						50%	4 "
15 143	611	512-607	10						50%	8 "
16 144	612	513-608	11						50%	4 "
17 145	612	513-608	11			117			50%	8 " Bot # 117 Tape MKTS
18 146	613	514-609	12	wind strip		118			66db	Bot # 118 #900 10 sec All ones.
19 147	613	514-609	12						50%	4 "
20 148	613	514-609	12						50%	8 "
21 149	614	515-610	13						50%	4 "
22 150	614	515-610	13						50%	8 "
23 151	615	516-611	14						50%	4 "
24 152	615	516-611	14						50%	8 "
25 153	616	517-612	15						50%	4 "

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 4 + 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-V1100's	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patten	PARTY MGR. P. Davis	

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 10

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 9-24-82
CREW NO. 6834	TERRAIN Rolling Hills, Gravel Road	WEATHER Partly Cloudy		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Misc'd Sweeps	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	154	616	517-612	15	5	118			50%	8 SWEEPS
2	155	617	518-613	16					50%	4 "
3	156	617	518-613	16					50%	8 "
4	157	618	519-614	17					50%	4 "
5	158	618	519-614	17		118			50%	8 " EOT #118 TAPE MKTS
6	159	619	520-615	18	WINDSTRIP	119			66db	BOT #119 900 10 SEC ALL ONES
7	160	619	520-615	18	5				50%	4 SWEEPS
8	161	619	520-615	18					50%	8 "
9	162	620	521-616	19					50%	4 "
10	163	620	521-616	19					50%	8 "
11	164	621	522-617	20					50%	4 "
12	165	621	522-617	20					50%	8 "
13	166	622	523-618	21					50%	4 "
14	167	622	523-618	21					50%	8 "
15	168	623	524-619	22					50%	4 "
16	169	623	524-619	22					50%	8 "
17	170	624	525-620	23					50%	4 "
18	171	624	525-620	23		119			50%	8 " EOT #119 Tape MKTS
19	172	625	526-621	24	wind strip	120			66db	BOT #120 *900 10sec All ones
20	173	625	526-621	24					50%	4 "
21	174	625	526-621	24					50%	8 "
22	175	626	527-622	25					50%	4 "
23	176	626	527-622	25					50%	8 "
24	177	627	528-623	26					50%	4 "
25	178	627	528-623	26					50%	8 " got A Blast on sweep #5.

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.** 11

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 9-24-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Cloudy	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	Missed Sweeps	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
1	179	628	529-624	27	5		120	OUT	IN	50%	4 sweeps
2	180	628	529-624	27						50%	8 "
3	181	629	530-625	28						50%	4 "
4	182	629	530-625	28						50%	8 "
5	183	630	531-626	29						50%	4 "
6	184	630	531-626	29		120				50%	8 " EOT # 120 Tape MKTs.
7	185	631	532-627	30	wind strip	121				66db	BOT # 121 *900 10 sec All ones
8	186	631	532-627	30						50%	4 "
9	187	631	532-627	30						50%	8 "
10	188	632	533-628	31						50%	4 "
11	189	632	533-628	31						50%	8 "
12	190	633	534-629	32						50%	4 "
13	191	633	534-629	32						50%	8 "
14	192	634	535-630	33						50%	4 "
15	193	634	535-630	33						50%	8 "
16	194	635	536-631	34	1					50%	4 "
17	195	635	536-631	34						50%	8 "
18	196	636	537-632	35						50%	4 "
19	197	636	537-632	35		121				50%	8 " EOT # 121 Tape MKTs.
20											
21											
22											
23											
24											
25											

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

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 12

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE
CREW NO. 6834		TERRAIN Gravel Road, Rollins Hills	WEATHER Cloudy
			DATE 9-25-82
LINE NO. 3			

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE			missed sweeps	122	OUT	IN		BOT #122 *900 10sec All ones
2	934	EWT								Recorder set AT 609-610
3	939	DRD								LOT OF TRAFFIC ALONG LINE,
4	954	SUM TEST								5 VIBS 1st VIB +56' Past Flag 100' SPACING 41.25'
5	961	NRI TEST								MOVE -4P, 8 Sweeps, 32 sec Rec, 20 sec Listening
6	932	SIMILARITY	217	5					50%	
7	198	WOODSTRIP	1						66db	
8	199	637	538-633	1	5				50%	4 Sweeps
9	200	637	538-633	1					50%	8 "
10	201	638	539-634	2					50%	4 "
11	202	638	539-634	2					50%	8 "
12	203	639	540-635	3					50%	4 " Stacked.
13	204	639	540-635	3					50%	8 " Starting AT 625 Again shooting
14	205	625	570-621-629-666	33					50%	4 " SPLIT spread 4 station OFF set either side
15	206	625	570-621-629-666	33					50%	8 " OF Vibs - + moving vibs through spread.
16	207	626	570-622-630-666	33					50%	4 "
17	208	626	570-622-630-666	33		122			50%	8 " EOT #122 Tape MKTS
18	209	627	570-623-631-666	33	wind strip	123			66db	BOT #123 *900 10sec All ones
19	210	627	570-623-631-666	33					50%	4 "
20	211	627	570-623-631-666	33					50%	8 "
21	212	628	570-624-632-666	33					50%	4 "
22	213	628	570-624-632-666	33					50%	8 "
23	214	629	570-625-633-666	33					50%	4 "
24	215	629	570-625-633-666	33					50%	8 "
25	216	630	570-626-634-666	33					50%	4 "

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 4 + 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN x ()			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-4-1100's	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5hz	STATION INTERVAL 330'
REMARKS Some sample rate / 52 sec Record Length			OBSERVER R. Patton	PARTY MGR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 13

CLIENT CocoRP	AREA UTAH	STATE UTAH	COUNTY SAN PETE
CREW NO. 6834		TERRAIN Dirt Road + Rolling Hills	WEATHER cloudy
			DATE 9-25-82
LINE NO. 3			

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	217	630	570-626-634-666	33	5		123	OUT	IN	50%	8 Sweeps
2	218	631	570-627-635-666	33						50%	4 "
3	219	631	570-627-635-666	33						50%	8 "
4	220	632	570-628-636-666	33						50%	4 "
5	221	632	570-628-636-666	33		123				50%	8 " EOT # 123 Tape MKTS
6	222	633	570-629-637-666	33	wind strip	124				66Db	BOT # 124 # 900 10 sec All ones.
7	223	633	570-629-637-666	33						50%	4 "
8	224	633	570-629-637-666	33						50%	8 "
9	225	634	570-630-638-666	33						50%	4 "
10	226	634	570-630-638-666	33						50%	8 "
11	227	635	570-631-639-666	33						50%	4 "
12	228	635	570-631-639-666	33						50%	8 "
13	229	636	570-632-640-666	33						50%	4 "
14	230	636	570-632-640-666	33						50%	8 "
15	231	637	570-633-641-666	33						50%	4 "
16	232	637	570-633-641-666	33	1					50%	8 "
17	233	638	570-634-642-666	33						50%	4 "
18	234	638	570-634-642-666	33		124				50%	8 " EOT # 124 Tape MKTS
19	235	639	570-635-643-666	33	wind strip	125				66Db	BOT # 125 # 900 10 sec All ones
20	236	639	570-635-643-666	33	1					50%	4 " UP # 640-650 SKIP Due to Cross Country.
21	237	639	570-635-643-666	33						50%	8 "
22	238	651	552-647	15						50%	4 " BACK TO Normal Shaking.
23	239	651	552-647	15						50%	8 " getting some light Rain.
24	240	652	553-648	16						50%	4 "
25	241	652	553-648	16						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.** 14

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 9-25-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Cloudy		LINE NO. 3

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	242	653	554-649	17	5	125	OUT	IN	50%	4 sweeps
2	243	653	554-649	17					50%	8 "
3	244	654	555-650	18					50%	4 "
4	245	654	555-650	18	1				50%	8 "
5	246	655	556-651	19	1				50%	4 "
6	247	655	556-651	19		125			50%	8 " EOT # 125 Tape MKTS
7	248	656	557-652	20	wind strip	126			66Db	BOT # 126 #900 10sec All ones.
8	249	656	557-652	20					50%	4 "
9	250	656	557-652	20					50%	8 "
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 15

CLIENT COCDORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-4-82
CREW NO. 6834	TERRAIN Gravel Road, Rolling Hills	WEATHER Clear, wet.	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	MISSED SWEEP	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE				126	OUT	IN		Recorder SET AT 534-535
2	934/935	EINT								
3	936/939	DRD								4 Vibs 1st Vib to 'Past Flag 100' spacing
4	937/934	SUM TEST								4 1/4 move UP. 8 sweep, 32 sec Record, 20 sec
5	938/936	NRJ TEST								listen time. 52 sec Record Length.
6	932	SIMILARITY	217	4					50%	Vib # 17311, Front motor out.
7	251	WINDSTRIP	16						66db	starting to shoot through the spread start at sta #
8	252	539	590-543-535-495	16	4				50%	539, 4 sta offset either side of Vib, start to go
9	253	538	590-542-534-495	16					50%	Down split spread, Due to weather condition, ON
10	254	537	590-541-533-495	16					50%	TOP OF MOUNTAIN.
11	255	536	590-540-532-495	16					50%	
12	256	535	590-539-531-495	16					50%	
13	257	534	590-538-530-495	16					50%	
14	SKIP	533	590-537-529-495	16					SKIP	Due to X-country.
15	SKIP	532	590-536-528-495	16					SKIP	" " "
16	SKIP	531	590-535-527-495	16					SKIP	" " "
17	SKIP	530	590-534-526-495	16					SKIP	" " "
18	258	529	590-533-525-495	16		126			50%	E.O.T. # 126, TAPE MKTS
19	259	528	590-532-524-495	16	WIND STRIP	127			66db	B.O.T # 127, 900 msec ALL ONES.
20	260	528	590-532-524-495	16					50%	
21	261	527	590-531-523-495	16					50%	
22	262	526	590-530-522-495	16					50%	
23	263	525	590-529-521-495	16					50%	
24	264	524	590-528-520-495	16					50%	
25	265	523	590-527-519-495	16					50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY B-32 Hz / 32 sec		SWEEP PATTERN SEG REMARKS		SWEEPS PER PATTERN B	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN X 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-4 1100's	TYPE GEOPHONE ETL EU 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS B ma sample rate / 52 sec rec. length			OBSERVER R. Patton. M. Richey	PARTY MGR. L. Davis	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 16

CLIENT COCORP		AREA UTAH			STATE UTAH		COUNTY SANPETE		DATE 10-4-82		
CREW NO. 6834		TERRAIN Gravel Road, Rolling Hills			WEATHER Clear			LINE NO. 43			
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	522	590-526-518-48	16	4	MISSED SWEEP	127	DLT	IN	50%		
2	521	590-525-517-48	16						50%		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME	SYSTEM NO.	
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 17

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-7-82
CREW NO. 6834	TERRAIN Dirt Road & Rolling Hills	WEATHER Partly Cloudy & Wet	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80~	AMP	
1	Pulse	1-6 sec			missed sweep	127	OUT	IN		Recorder SET AT 523-522
2	EINT	2- " "								4 STA. OFFSET EITHER SIDE OF VIBS, SPILT SPREAD.
3	D.R.D	4- " "								4 VIBS, 100' SPACING, 41.25' MOVE UP, 1st VIB +6'
4	sum test	2- " "								PAST FLAG. 8 SWEEP, WORKING VIBS THROUGH FRONT
5	N.R.S test	2- " "								OF LINE. DUE TO WEATHER CONDITION, ON TOP OF MOUNTAIN.
6	Similarity	1-32 sec	217	4		127			50%	Vib #17311 DOWN, REPLACING FRONT MOTOR. E.O.T #127, t.m
7	WIND strip	1-52 sec	5			128			66db	B.O.T #128, 900 10sec ALL ONES
8	520	590-524-516-495	5	4					50%	
9	519	590-523-515-495	5						50%	
10	518	590-522-514-495	5						50%	
11	517	590-521-513-495	5						50%	
12	516	590-520-512-495	5						50%	
13	515	590-519-511-495	5						50%	
14	514	590-518-510-495	5						50%	
15	513	590-517-509-495	5						50%	
16	512	590-516-508-495	5						50%	
17	511	590-515-507-495	5						50%	
18	510	590-514-506-495	5						50%	
19	509	590-513-505-495	5			128			50%	E.O.T #128, tape mxts
20	508	590-512-504-495	5		wind strip	129			66db	B.O.T #129, 900 10sec ALL ONES.
21	508	590-512-504-495	5						50%	
22	507	590-511-505-495	5						50%	
23	506	590-510-502-495	5						50%	
24	505	590-509-501-495	5						50%	
25	504	590-508-500-495	5						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz / 22sec	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	TYPE GEOPHONE ETC EV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52 sec Rec Length	OBSERVER R. PATTON, M. RICHEY	PARTY MGR. L. DAVIS	LINE DIR. 1 TO 24 W > E		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 18

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER partly cloud, wet	DATE 10-7-82
LINE NO. 3			

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	287	503	590-307-499-495	5	4	129	OUT	IN	50%	
2	288	502	590-506-498-495	5					50%	
3	289	501	590-505-497-495	5					50%	
4	290	500	590-504-496-495	5					50%	
5	291	499	590-503-495	5					50%	
6	292	498	590-502	5					50%	
7	293	497	590-501	5		129			50%	E.O.T.#129, TAPE MKTS
8	294	496	590-500	5	wind strip	130			66db	R.O.T.#130, 900 10sec MII ONES.
9	295	496	590-500	5					50%	
10	296	495	590-499	5					50%	
11	297	494	590-498	5					50%	
12	298	493	590-497	5					50%	
13	299	492	590-496	5					50%	AFTex shooting through spread, now have full 96 traces
14	300	491	590-495	5					50%	now starting to pull line.
15	301	490	589-494	6					50%	
16	302	489	588-493	7					50%	
17	303	488	587-492	8					50%	
18	304	487	586-491	9					50%	
19	305	486	585-490	10					50%	
20	306	485	584-489	11		130			50%	E.O.T.#130, TAPE MKTS.
21	307	484	583-488	12	wind strip	131			66db	R.O.T.#131, 900 10sec MII ONES
22	308	484	583-488	12					50%	
23	309	483	582-487	13					50%	
24										
25										

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 19

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-8-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER partly cloudy, wet		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse			missed sweep	131	OUT	IN		Recorder set at 510-509
2	934/935	EINT								
3	936/939	DRD								4 Vib 100' spacing 41.25 MOVE UP. 1st Vib +6' PAST FLAG. 8 SWEEP.
4	953/954	Sum Test								Vib #17311 Down, Replacing Front motor.
5	960/961	NR TEST								
6	932	Simplicity	217	4					50%	some LEARAGE ON LINE, Due to RAIN and SNOW.
7	310	Wind strip	1						66db	
8	311	482	581-486	1	4				50%	
9	312	481	580-485	2					50%	
10	313	480	579-484	3					50%	
11	314	479	578-483	4					50%	STARTING TO SNOW IN AREA.
12	315	478	577-482	5					50%	
13	316	477	576-481	6					50%	
14	317	476	575-480	7		131			50%	E.O.T #131, TAPE MKTS
15	318	475	574-479	8	WIND strip	132			66db	B.O.T #132, 900 10sec ALL ONES.
16	319	475	574-479	8					50%	
17	320	474	573-478	9					50%	
18	321	473	572-477	10					50%	
19	322	472	571-476	11					50%	
20	323	471	570-475	12					50%	
21	324	470	569-474	13					50%	
22	325	469	568-473	14					50%	
23	326	468	567-472	15					50%	
24	327	467	566-471	16					50%	
25	328	466	565-470	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 5-Y 110ds	TYPE GEOPHONE ETLEU 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52sec Record Length			OBSERVER K. Patten M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 20

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 10-8-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER SNOW, Wet.		LINE NO. #3

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	329	465	564 - 469	18	4	missed sweep	132	out	1N	50%	E.O.T. #132, TAPE MKTS.
2	330	464	563 - 468	19		wind strip	133			66%	B.O.T. #133, 900 10sec ALL ONES.
3	331	464	563 - 468	19						50%	
4	332	463	562 - 467	20						50%	
5	333	462	561 - 466	21						50%	
6	334	461	560 - 465	22						50%	
7	335	460	559 - 464	23						50%	
8	336	459	558 - 463	24						50%	
9	337	458	557 - 462	25						50%	
10	338	457	556 - 461	26						50%	
11	339	456	555 - 460	27						50%	
12	340	455	554 - 459	28		1				50%	
13	341	454	553 - 458	29			133			50%	E.O.T. #133, TAPE MKTS.
14	342	453	552 - 457	30		wind strip	134			66%	B.O.T. #134, 900 10sec ALL ONES.
15	343	453	552 - 457	30						50%	
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.** 21

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 10-9-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER partly cloudy	LINE NO. 3	

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				134	OUT	IN		Recorder SET AT 481-480.
2	934/935	EINT								
3	936/939	DRD								4 Vib 100' spacing, 41.25 move d.P. 1st Vib
4	953/954	SUM TEST								16' PAST FLAG. 8 SWEEP.
5	960/961	NRJ TEST								
6	932	Similarity	217	4					50%	Vib #17311 DOWN, REPLACING FRONT MOTOR.
7	344	Wind Strip	2						66db	
8	345	452	551-456	2	4				50%	Picking up noise from cows walking up +
9	346	451	550-455	3					50%	Down line.
10	347	450	549-454	4					50%	
11	348	449	548-453	5					50%	
12	349	448	547-452	6					50%	
13	350	447	546-451	7					50%	
14	351	446	545-450	8					50%	Wind 12 MPH + Gusting TO 16 MPH, OFF + ON.
15	352	445	544-449	9		134			60%	E.O. #134, TAPE MKTS.
16	353	444	543-448	10	WIND strip	135			66db	B.O. #135, 900 msec ALLOWES
17	SKIP	444	543-448	10					SKIP	From STA 444-436 DUE TO HOUSES.
18	354	435	534-439	19					50%	
19	355	434	533-438	20					20%	stacked 1st half
20	SKIP	433	532-437	21					SKIP	Due TO water well
21	SKIP	432	531-436	22					SKIP	" " " "
22	356	431	530-435	23					50%	stacked last half
23	357	430	529-434	24					20%	stacked 1st half
24	SKIP	429	528-433	25					SKIP	From 429 TO 414 SKIP Due TO TOWN OF -
25										Mayfield.

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 XXXXXXXXXXXXXXXXXXXX		STATION INTERVAL 330'	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 5-X-1100's	
TYPE GEOPHONE ETLEv22B		FREQUENCY 7.5Hz		LINE DIR. 1 TO 24 E → W	
REMARKS 8ms Sample Rate / 52sec Record Length			OBSERVER R. Patten M. Richey		PARTY MGR. L. Davis

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 22

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse			missed sweeps	135	OUT	IN		Recorder SET AT 442-441
2	934/935	EINT								
3	936/939	DRD								5 Vib 100' spacing 41.25 move up. 1st Vib
4	953/954	Sum TEST								56' PAST FLAG. 8 SWEEP
5	960/961	NR5 TEST								
6	932	Similarity	217	5						50%
7	358	Wind strip	2							66db STA#422 OPEN DUE TO HUGE DRIVE WAY.
8	359	413	2	5						50%
9	360	412	3							50%
10	361	411	4							50%
11	362	410	5							50%
12	363	409	6			135				50% E.O.T#135, TAPE MKTS.
13	364	408	7		wind strip	136				66db B.O.T#136, 900 10sec ALLOWES.
14	365	408	7							50%
15	366	407	8							50%
16	367	406	9							50%
17	368	405	10							50%
18	369	404	11							50% WENT TO LOW DRIVE 202 ON LAST 4 SWEEPS.
19	SKIP	403	12							SKIP DUE TO SHOULDER CONDITION.
20	SKIP	402	13							SKIP " " " "
21	370	401	14							20%
22	371	400	15							20%
23	372	399	16							20%
24	373	398	17							20%
25	374	397	18							20%

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 5-Y 1100's	
TYPE GEOPHONE ETLEV22B		FREQUENCY 7.5Hz		STATION INTERVAL 330'	
REMARKS 8 ms 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.

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CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>SANPETE</i>	DATE <i>10-11-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Shoulder</i>	WEATHER <i>partly cloudy</i>		LINE NO. <i>3</i>

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	375	396	495-400	19	5	<i>missed</i> 136	<i>OUT</i>	<i>IN</i>	20%	
2	376	395	494-399	20		136			20%	<i>E.O.T #136, TAPE MKTS.</i>
3	377	394	493-398	21	<i>wind strip</i>	137			66db	<i>B.O.T #137, 900 100cc ALL ONES.</i>
4	378	394	493-398	21					20%	<i>wind picking up.</i>
5	379	393	492-397	22					20%	
6	380	392	491-396	23					20%	
7	381	391	490-395	24					20%	
8	382	390	489-394	25					20%	
9	383	389	488-393	26					20%	
10	384	388	487-392	27					20%	<i>4 Vibs. *1 vib starts +6' Past Flag 100' Spacing.</i>
11	385	387	486-391	28					20%	<i>4/25' move up 8 sweeps.</i>
12	386	386	485-390	29					20%	
13	387	385	484-389	30		137			20%	<i>EOT #137 TAPE MKTS</i>
14	388	384	483-388	31	<i>wind strip</i>	138			66db	<i>BOT #138 #900 10 sec All ones.</i>
15	389	384	483-388	31	4				20%	<i>Stacked last half. Vib* 17311 Down, Engine Died.</i>
16	SKIP	383	482-387	32					SKIP	<i>Due TO NO Shoulder</i>
17	SKIP	382	481-386	33					SKIP	" " " "
18	SKIP	381	480-385	34					SKIP	" " " "
19	390	380	479-384	35					20%	<i>stacked last half.</i>
20	391	379	478-383	36					20%	
21	392	378	477-382	37					20%	
22	SKIP	377	476-381	38					SKIP	<i>Due TO Rough TERRAIN + NO Shoulder.</i>
23	SKIP	376	475-380	39					SKIP	" " " " " "
24	SKIP	375	474-379	40					SKIP	" " " " " "
25	SKIP	374	473-378	41					SKIP	" " " " " "

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 24

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-11-82
CREW NO. 6834	TERRAIN Dirt Shoulder	WEATHER Partly Cloudy		LINE NO. 3

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAP RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	SKIP 373	472-377	42	5	missed sweeps	138	OUT	IN	SKIP	Due to Rough TERRAIN & NO Shoulder
2	SKIP 372	471-376	43						SKIP	" " " " " "
3	SKIP 371	470-375	44						SKIP	" " " " " "
4	SKIP 370	469-374	45						SKIP	" " " " " "
5	SKIP 369	468-373	46						SKIP	" " " " " "
6	SKIP 368	467-372	47						SKIP	" " " " " "
7	SKIP 367	466-371	48						SKIP	" " " " " "
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 COCORP	AREA UTAH	STATE UTAH	COUNTY SanPete	DATE 10-12-82
CREW NO. 6834	TERRAIN Dirt shoulder	WEATHER Clear	LINE NO. 23	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1-6sec			MISSED SWEEP	138	OUT	IN		Recorder SET AT 394-393
2	934 935 EINT	2-11"								
3	936 939 D.R.D	4-11"								5 Vibs 100' spacing 41.25 move up. 1st vib
4	953 954 SUMTEST	2-11"								+56' PAST FLAG. 8 SWEEP.
5	960 961 N.R.J.	2-11"								STA#422 OPEN DUE TO LARGE DRIVE WAY.
6	932 Similarity	1-32sec	217	5					50%	
7	393 WINDSTRIP	1-52sec	1						66Db	LOT OF TRAFFIC ALONG LINE.
8	394 366	465-370	1	5					20%	Vibs are IN LOW DRIVE 20%, DUE TO SOFT TERRAIN.
9	395 365	464-369	2						20%	
10	SKP 364	463-368	3							SKIP DUE TO NO SHOULDER
11	SKIP 363	462-367	4							SKIP " " "
12	SKIP 362	461-366	5							SKIP " " "
13	SKIP 361	460-365	6							SKIP " " "
14	SKIP 360	459-364	7							SKIP " " "
15	SKIP 359	458-363	8							SKIP " " "
16	SKIP 358	457-362	9							SKIP " " "
17	396 357	456-361	10			138			20%	F.O.T#138 TAPE MKTS.
18	SKIP 356	455-360	11							SKIP STA#356-344 DUE TO NO SHOULDER AND SOFT TERRAIN.
19	397 343	442-347	24		WIND STRIP	139			66Db	B.O.T#139, 900 INSE MILES.
20	398 343	442-347	24						50%	Vibs went BACK TO HI-DRIVE 50%.
21	399 342	441-346	25						50%	
22	400 341	440-345	26	4	1				50%	Vib#23651 Down, NOT SHAKING
23	401 340	439-344	27						50%	
24	402 339	438-343	28						50%	
25	403 338	437-342	29						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY #-32Hz/32sec	SWEEP PATTERN sec REMARKS	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 1-900's 4-1100's	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5Hz
REMARKS 8ms SAMPLE RATE/52sec Record Len		OBSERVER R. PATTON, M. RICHY	PARTY MGR. 2. DAVIS	STATION INTERVAL 330'

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 26

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>SANPETE</i>	DATE <i>10-12-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road + Shoulder</i>	WEATHER <i>clear</i>		LINE NO. <i>43</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	404	337	436-341	30	4	<i>missed sweep</i>	139	OUT	IN	50%	
2	405	336	435-340	31	2					50%	
3	406	335	434-339	32						50%	
4	407	334	433-338	33	5					50%	<i>Vib # 23651 Back on line had 2 Bad Cables.</i>
5	408	333	432-337	34	1	139				50%	<i>EOT # 139 Tape MKTs</i>
6	409	332	431-336	35	wind	STRIP	140			66Db	<i>BOT # 140 # 900 10 sec All ones.</i>
7	410	332	431-336	35	1					50%	
8	411	331	430-335	36						50%	
9	412	330	429-334	37						50%	
10	413	329	428-333	38						50%	
11	414	328	427-332	39						50%	
12	415	327	426-331	40						50%	
13	416	326	425-330	41	1					50%	
14	SKIP	325	424-329	42						SKIP	<i>Due to WATER LINES</i>
15	SKIP	324	423-328	43						SKIP	<i>" " " "</i>
16	417	323	422-327	44						50%	
17	SKIP	322	421-326	45						SKIP	<i>From STA* 322-305, Due to CAN'T SHAKE ON BLACK TOP.</i>
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.** 27

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-13-82
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER clear	LINE NO. 3	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	80 ~	AMP	
1	933	Pulse			missed sweeps	140	OUT	IN		Recorder SET AT 432-431
2	934/935	EINT								
3	936/939	D.R.D								4 Vibs 100' spacing. 41.25' move OP. 1st Vib +6' Past
4	953/954	Sum TEST								Flag 8 sweep. 5 Vibs, 1st Vib +56' Past Flag.
5	960/961	N.R.T TEST								LOT OF TRAFFIC ALONG LINE.
6	932	SPMIAXITY	217	5		140			50%	E.O.T #140, TAPE MKTS
7	418	Wind strip	1			141			60db	B.O.T #141, 900 10sec ALONES.
8	SKIP	305	404-309	1	5					SKIP
9	419	304	403-308	1					50%	
10	420	303	402-307	2	4				50%	Vib #23651 DOWN, NOT SHAKING.
11	SKIP	302	401-306	3						SKIP Due to HOUSES " " "
12	SKIP	301	400-305	4						SKIP Due to HOUSES FROM STN # 302-292
13	421	291	390-295	14					20%	STACKED 1st HALF
14	SKIP	290	389-294	15						SKIP Due to HOUSES Cable Crossing Highway -
15	SKIP	289	388-293	16						SKIP " " " AT 291.
16	SKIP	288	387-292	17						SKIP " " "
17	422	287	386-291	18					20%	STACKED LAST HALF
18	423	286	385-290	19					50%	Vibs ARE BACK IN HI-DRIVE. 50%
19	424	285	384-289	20					50%	
20	425	284	383-288	21					50%	
21	426	283	382-287	22					50%	
22	427	282	381-286	23					50%	
23	428	281	380-285	24					50%	
24	SKIP	280	379-284	25						SKIP
25	429	279	378-283	26					50%	STACKED LAST HALF.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32ms / 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 5-Y1100's	TYPE GEOPHONE ETLFV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patten	PARTY MGR. M. Richey	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 28

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear	DATE 10-13-82
		LINE NO. #3	

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	278	377-282	27	4	141	141	OUT	IN	50%	E.O.T #141, TAPE MKTS
2	431	277	376-281	28		windstrip	142			66Db	B.O.T #142, 900 10sec ALL ONES.
3	432	277	376-281	28						50%	
4	433	276	375-280	29						50%	
5	434	275	374-279	30						50%	
6	435	274	373-278	31						50%	
7	436	273	372-277	32						50%	
8	437	272	371-276	33						50%	
9	SKIP	271	370-275	34						SKIP	Due to HOUSES.
10	438	270	369-274	35						50%	Stacked LAST HALF.
11	439	269	368-273	36						50%	
12	440	268	367-272	37						50%	
13	441	267	366-271	38						50%	
14	442	266	365-270	39			142			50%	E.O.T #142, TAPE MKTS.
15	443	265	364-269	40		windstrip	143			66Db	B.O.T #143, 900 10sec ALL ONES.
16	444	265	364-269	40						50%	
17	445	264	363-268	41						50%	
18	446	263	362-267	42						50%	
19	447	262	361-266	43						50%	
20	448	261	360-265	44						50%	
21	449	260	359-264	45						50%	
22	450	259	358-263	46		1				50%	
23	451	258	357-262	47						50%	
24	452	257	356-261	48						50%	
25	453	256	355-260	49		1	143			50%	E.O.T #143, 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. 29

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Sanpete	DATE 10-13-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Partly Cloudy		LINE NO. 3

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	255	354-259	38	4	^{missed} 132590	144	OUT	IN	60db	B.O. # 144900 10sec ALLOWES. Recorder MOVED UP AT
2	255	354-259	38						50%	STA # 320-319.
3	254	353-258	39						50%	
4	253	352-257	40						50%	
5	252	351-256	41						50%	
6	251	350-255	42						50%	
7	250	349-254	43						50%	
8	249	348-253	44						50%	
9	248	347-252	45						50%	
10	247	346-251	46						50%	
11	246	345-250	47						50%	
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										

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 COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-14-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear		LINE NO. #3

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	
1 933 933	PULSE	1-6sec			missed sweep	144	OUT	IN		Recorder SET AT 273-272
2 934 935	FINT	2-'' ''								Cable Crossing Highway AT 292-291
3 936 939	D.R.D	4-'' ''								5 Vibs 100' SPACING. 41.25 MOVE UP. 1st Vib
4 953 454	sum test	2-'' ''								+56 Past FLAG. 4 Vibs, 1st Vib +6' PAST FLAG,
5 960 461	N.R.J.	2-'' ''								8 sweep.
6 932	SIMILARITY	1-32sec	217	5		144			50%	EOT #144 Tape MKTs
7 465	WINDSTRIP	1-52sec	1			145			66db	BOT #145 #900 10 sec All ones.
8 466	245	344-249	1	5	1				50%	
9 467	244	343-248	2						50%	
10 468	243	342-247	3						50%	
11 469	242	341-246	4						50%	
12 470	241	340-245	5						50%	
13 471	240	339-244	6						50%	
14 472	239	338-243	7						50%	STACKED 1st HALF.
15 SKIP	238	337-242	8						50%	SKIP Due to HOUSE
16 473	237	336-241	9						50%	
17 474	236	335-240	10						50%	
18 475	235	334-239	11						50%	
19 476	234	333-238	12						50%	
20 477	233	332-237	13			145			50%	E.O.T. #145, Tape MKTs.
21 478	232	331-236	14	wind strip		146			66db	B.O.T. #146, 900 10sec ALL ONES.
22 479	232	331-236	14						50%	
23 480	231	330-235	15						50%	
24 481	230	329-234	16						50%	
25 482	229	328-233	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 5-V1100's	TYPE GEOPHONE FTEL22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE/52sec Record Len			OBSERVER T. PATTON, M. Richey	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 21

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Sanpete	DATE 10-14-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear		LINE NO. 3

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	483	228	327-232	18	5	146	OUT	IN	50%	
2	484	227	326-231	19					50%	STACKED LAST HALF.
3	485	226	325-230	20					50%	
4	486	225	324-229	21					50%	
5	487	224	323-228	22					50%	
6	488	223	322-227	23					50%	
7	489	222	321-226	24					50%	
8	SKIP	221	320-225	25					SKIP	Due to soft terrain. Vib # 23651 Down, Not shaking
9	490	220	319-224	26	4	146			50%	E.O.T # 146, TAPE MKTS
10	491	219	318-223	27	wind strip	147			66db	B.O.T # 147, 900 usec ALL ONES
11	492	219	318-223	27					50%	
12	493	218	317-222	28					50%	
13	494	217	316-221	29					50%	
14	495	216	315-220	30					50%	
15	496	215	314-219	31					50%	
16	497	214	313-218	32					50%	
17	498	213	312-217	33					50%	
18	499	212	311-216	34					50%	
19	500	211	310-215	35					50%	
20	501	210	309-214	36					50%	
21	502	209	308-213	37		147			50%	E.O.T # 147, TAPE MKTS
22	503	208	307-212	38	wind strip	148			66db	B.O.T # 148, 900 usec ALL ONES
23	504	208	307-212	38					50%	
24	505	207	306-211	39					50%	
25	506	206	305-210	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 COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 10-15-82
CREW NO. 6834	TERRAIN DIRT ROAD	WEATHER Clear	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse			missed sweep	148	OUT	IN		Recorder SET AT 236-237
2	934/935	EINT								
3	936/939	D.R.D.								5 Vibs 100' spacing 41.25 MOVE UP 1st Vib +5.6' PAST FLAG. 4 Vib 1st Vib +6' PAST FLAG
4	953-954	Sum TEST								8 SWEEP
5	960/961	NRJ TEST								
6	932	Similarity	217	5						50%
7	507	Wind strip	1-52 sec	5						66db NOTE: cable ACROSS HI-WAY AT STA# 291-292
8	508	205	304-209	5	5					50%
9	509	204	303-208	6						50%
10	510	203	302-207	7						50%
11	511	202	301-206	8						50%
12	SKIP	201	300-205	9						SKIP From STA# 201-199, Due to CROSS country.
13	512	198	297-202	12						50%
14	513	197	296-201	13		148				50% EOT #148 Tape MKTS
15	514	196	295-200	14	wind strip	149				66db BOT #149 #900 10 sec All ones
16	515	196	295-200	14						50%
17	516	195	294-199	15						50%
18	517	194	293-198	16						50%
19	518	193	292-197	17						50%
20	519	192	291-196	18						50%
21	520	191	290-195	19						50%
22	521	190	289-194	20						50%
23	522	189	288-193	21						50%
24	523	188	287-192	22						50%
25	524	187	286-191	23						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 5-V 1100's	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patten	PARTY MGR. M. Richey	
					LINE DIR. 1 TO 24 E → W

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

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CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-15-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER clear		LINE NO. 3

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	525	186	285-190	24	5	149	OUT	IN	50%	
2	526	185	284-189	25		149			50%	E.O. #149, TAPE MKTS.
3	527	184	283-188	26	wind strip	150			66db	B.O. #150, 900 10sec #110NES
4	528	184	283-188	26					50%	
5	529	183	282-187	27					50%	
6	530	182	281-186	28					50%	
7	531	181	280-185	29					50%	
8	532	180	279-184	30					50%	
9	533	179	278-183	31					50%	
10	534	178	277-182	32	1				50%	
11	535	177	276-181	33					50%	
12	536	176	275-180	34					50%	
13	537	175	274-179	35					50%	
14	538	174	273-178	36					50%	
15	539	173	272-177	37		150			50%	E.O. #150 TAPE MKTS
16	540	172	271-176	38	wind strip	151			66db	B.O. #151, 900 10sec #110NES
17	541	172	271-176	38					50%	
18	542	171	270-175	39					50%	
19	543	170	269-174	40					50%	
20	544	169	268-173	41					50%	
21	545	168	267-172	42					50%	
22	546	167	266-171	43					50%	
23	547	166	265-170	44					50%	
24	548	165	264-169	45					50%	
25	549	164	263-168	46					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. 34

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear	DATE 10-15-82
			LINE NO. 3

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	163	262-167	47	5	1	151	OUT	IN	50%	
2	162	261-166	48		1	151			50%	E.O.T. #151, TAPE MKTS.
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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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. 35

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-16-82
CREW NO. 6834	TERRAIN Dirt Road	WEATHER Clear		LINE NO. 53

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 Sweep	152	OUT	IN		Recorder set at 191-190
2	ELNT	2 - " "								BO.T # 152, 900 10sec ALL ONES.
3	D.R.D	4 - " "								5 Vibs 100' SPACING, 41.25 MOVE UP.
4	SUMTEST	2 - " "								1st Vib +56" PAST FLAG. 4 Vib, 1st Vib +6' PAST FLAG. 8 sweep.
5	N.R.J. TEST	2 - " "								
6	932 SIMILARITY	1 - 32 sec	217	5					50%	COWS ON LINE AT 254-253
7	552 WINDSTRIP	1 - 52 sec	3						66db	
8	553 161	260-165	3	5					50%	
9	554 160	259-164	4		1				50%	
10	555 159	258-163	5						50%	
11	556 158	257-162	6						50%	
12	557 157	256-161	7						50%	
13	558 156	255-160	8		2				50%	
14	559 155	254-159	9						50%	
15	560 154	253-158	10		1				50%	
16	561 153	252-157	11						50%	
17	562 152	251-156	12			152			50%	FOT # 152 Tape MKTs
18	563 151	250-155	13	wind strip		153			66db	ROT # 153 * 900 10sec ALL ONES
19	564 151	250-155	13						50%	
20	565 150	249-154	14						50%	
21	566 149	248-153	15						50%	
22	567 148	247-152	16						50%	
23	568 147	246-151	17						50%	
24	569 146	245-150	18						50%	
25	570 145	244-149	19						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 - 32Hz/32sec		SWEEP PATTERN see Remark		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN x			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 5-Y1100's	TYPE GEOPHONE ETELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330
REMARKS 8ms SAMPLE RATE / 52sec Record Length			OBSERVER B. PATTON, M. RICHEY	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 36

CLIENT COCORP		AREA UTAH		STATE UTAH		COUNTY SANPETE		DATE 10-16-82			
CREW NO. 6834		TERRAIN Dirt Road		WEATHER clear		LINE NO. #3					
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	571	144	243-148	20	5	153	153	OUT	IN	50%	
2	572	143	242-147	21						50%	
3	573	142	241-146	22						50%	
4	574	141	240-145	23						50%	
5	575	140	239-144	24			153			50%	E.O.T #153, TAPE MKTS.
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN			
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS						OBSERVER			PARTY MGR.		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 37

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Sanpete
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3

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				154	OUT	IN		Bot #154 #900 10 sec All ones
2	934/935 EINT	2 - " "								Recorder set at 167-166
3	936/939 DRD	4 - " "								5 Vibs 100' spacing, 41-25 move up.
4	937/954 Sum TEST	2 - " "								1st Vib +56' Past Flag. 8 sweep
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5						50%
7	576 Wind Strip	1 - 52 sec	1							66db
8	577 139	238 - 143	1	5	9					50% Vibs ARE IN CANYON MOVING OUT, MISSING ONES.
9	SKIP 138	237 - 142	2							SKIP Due to Vibs NOT RECEIVE TONES.
10	SKIP 137	236 - 141	3							SKIP " " " " " "
11	578 136	235 - 140	23							50% Recorder moved BACK at STA# 186-185
12	579 135	234 - 139	24							50%
13	580 134	233 - 138	25							50%
14	581 133	232 - 137	26							50%
15	582 132	231 - 136	27							50%
16	583 131	230 - 135	28							50%
17	584 130	229 - 134	29							50%
18	585 129	228 - 133	30							50%
19	586 128	227 - 132	31			154				50% EOT #154 Tape MKTs.
20	587 127	226 - 131	32			155				66db Bot #155 #900 10 sec All ones.
21	588 127	226 - 131	32		1					50%
22	589 126	225 - 130	33							50%
23	590 125	224 - 129	34		1					50%
24	591 124	223 - 128	35							50%
25	592 123	222 - 127	36							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 5-Y 1100's	TYPE GEOPHONE EHL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton	PARTY MGR. M. Richey	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 35

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SAN PETE	DATE 10-18-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear		LINE NO. 3

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	missed Sweeps	TAPE RL. NO.	F I L T E R			RE MARKS	
							LOCUT	80~	AMP		
1	593	122	221-126	37	5		155	OUT	TN	50%	
2	594	121	220-125	38		2				50%	
3	595	120	219-124	39		1				50%	
4	596	119	218-123	40						50%	
5	597	118	217-122	41						50%	
6	598	117	216-121	42						50%	
7	599	118	215-120	43		2	155			50%	F.O.T. #155, TAPE MKTS.
8	600	115	214-119	44	wind strip		156			66db	B.O.T #156, 900 10sec 1410NES.
9	601	115	214-119	44		3				50%	
10	602	114	213-118	45		2				50%	
11	603	113	212-117	46		2				50%	
12	604	112	211-116	47						50%	
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.		
SWEEP FREQUENCY			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. 39

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER clear	DATE 10-19-82
LINE NO. #3			

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			MISED SWEEP	156	OUT	IN		Recorder set at 139-140
2	935 FINT	2-'' ''								
3	939 D.R.D	4-'' ''								5 Vibs 100' spacing 41.25 WAVE UP.
4	934 SUM test	2-'' ''								1st Vib +56' PAST FLAG. 8 SWEEP.
5	961 N.R.T test	2-'' ''								
6	932 SIMILARITY	1-32 sec	217	5					50%	
7	605 WINDSTRIP	1-52 sec	2						66%	
8	606 111	210-115	2	5					50%	
9	607 110	209-114	3						50%	
10	608 109	208-113	4						50%	
11	609 108	207-112	5						50%	
12	610 107	206-111	6			156			50%	E.O. + #156, TAPE MKTS
13	611 106	205-110	7		WINDSTRIP	157			66%	B.O. + #157, 900 10sec ALL ONES.
14	612 106	205-110	7						50%	
15	613 105	204-109	8						50%	
16	614 104	203-108	9						50%	
17	615 103	202-107	10						50%	
18	616 102	201-106	11						50%	
19	617 101	200-105	12						50%	
20	618 100	199-104	13						50%	
21	619 99	198-103	14						50%	
22	620 98	197-102	15						50%	
23	621 97	196-101	16						50%	
24	622 96	195-100	17						50%	
25	623 95	194-99	18			157			50%	E.O. + #157, TAPE MKTS

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 5-Y1100's	TYPE GEOPHONE E+ELV22B	FREQUENCY 7.5HZ	STATION INTERVAL 330'
REMARKS 8ms SAMPLE RATE / 52sec Record Length			OBSERVER R. Patton, M. Richey	PARTY MGR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 40

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY Millard Sanpete	DATE 10-19-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER Clear	LINE NO. 3	

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	624	94	193-98	19	5	158	OUT	IN	66db	B.O.T #158, 900 10sec ALL ONES, WIND STRIP
2	625	94	193-98	19					50%	
3	626	93	192-97	20					50%	
4	627	92	191-96	21					50%	Offset 65' west of station 92.
5	628	91	190-95	22					50%	
6	629	90	189-94	23					50%	
7	630	89	188-93	24					50%	Offset 60' south of station 89.
8	SKIP	88	187-92	25					SKIP	Due to cross country.
9	631	87	186-91	24					50%	Offset 60' east, Recorder moved up, STA #118
10	632	86	185-90	5					50%	117' offset 25' north of station 86.
11	633	85	184-89	6					50%	Offset 40' west of station 85.
12	634	84	183-88	7					50%	Offset 175' west of station 84.
13	635	83	182-87	8					50%	Regular station.
14	636	82	181-86	9		158			50%	E.O.T #158, TAPE MKTS
15	637	81	180-85	10	WINDSTRIP	159			66db	B.O.T #159, 900 10sec ALL ONES.
16	638	81	180-85	10					50%	
17	639	80	179-84	11					50%	
18	640	79	178-83	12					50%	
19	641	78	177-82	13					50%	
20	642	77	176-81	14					50%	
21	643	76	175-80	15					50%	
22	644	75	174-79	16					50%	
23	645	74	173-78	17					50%	
24	646	73	172-77	18					50%	
25	647	72	171-76	19		159			50%	E.O.T #159, 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.** 41

CLIENT <i>COCORP</i>	AREA <i>UTAH</i>	STATE <i>UTAH</i>	COUNTY <i>SANPETE</i>	DATE <i>10-20-82</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road & Rolling Hills</i>	WEATHER <i>Clear</i>		LINE NO. <i>3</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	PULSE				160	OUT	IN		Recorder set at 99-98
2	934	EINT								B.O.T #160, 900 10sec HIL ONES.
3	935	D.R.D								
4	936	SUM test								5 Vibs 100' spacing 41.25 move up.
5	937	N.R. I test								1st Vib +56' PAST FLAG. 8 sweep
6	932	SIMILAR	217	4					50%	Vib #25874 Down, Fixing PAD. Replacing PAD Bolts
7	648	WIND strip	1						66db	
8	649	71	1	4					50%	NOTE: PICKING UP NOISE FROM ANOTHER CREW IN
9	650	70	2						50%	AREA.
10	651	69	3						50%	
11	652	68	4						50%	
12	653	67	5		1				50%	
13	654	66	6						50%	
14	655	65	7						50%	
15	656	64	8		1				50%	
16	657	63	9						50%	
17	658	62	10			160			50%	E.O.T #160, TAPE MKTS.
18	659	61	11			161			66db	B.O.T #161, 900 10sec HIL ONES.
19	660	61	11						50%	
20	661	60	12						50%	
21	662	59	13						50%	
22	663	58	14						50%	
23	664	57	15						50%	STACKED 1st HALF.
24	SKIP	56	16						SKIP	Due to HI-WAY. From sta #56-55.
25	665	54	18						50%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8 32Hz/32sec</i>		SWEEP PATTERN <i>sec 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>5-Y1100's</i>	TYPE GEOPHONE <i>ETELV22B</i>	FREQUENCY <i>7.5Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8MS SAMPLE RATE/52sec Record Len.</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. 42

CLIENT COCORP	AREA UTAH	STATE UTAH	COUNTY SANPETE	DATE 10-20-82
CREW NO. 6834	TERRAIN Dirt Road + Rolling Hills	WEATHER clear		LINE NO. 3

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	666	53	152-57	19	4	161	OUT	IN	50%	
2	667	52	151-56	20	1				50%	
3	668	51	150-55	21					50%	
4	669	50	149-54	22					50%	
5	670	49	148-53	23					50%	
6	671	48	147-52	24		161			50%	E.O.T. 161, TAPE MKTS
7	672	47	146-51	25	WIND strip	162			60%	B.O.T. 162, 900 10sec HIL ONES.
8	673	47	146-51	25					50%	
9	674	46	145-50	26					50%	
10	675	45	144-49	27					50%	
11	676	44	143-48	28					50%	
12	677	43	142-47	29		162			50%	E.O.T. 162, TAPE MKTS, temp E.O.L LINE #3.
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.				