

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/23/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear & Windy	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	Pulse	1-6sec.				341	OUT	IN		Recorder set at 70-71
2	934 935 EINT	2- " "								
3	936 939 D.R.D.	4- " "								
4	953 954 Jam test	2- " "								
5	960 961 N.R.J. test	2- " "								
6	952 Simplicity	1-31sec.	225	5						50%
7	001 Wind Strip	1-6sec.								
8	002 100	1-96	3	5						70% Reshaking sta. #100 at 4ms. Sample Rate
9	003 101	2-97	4							70% to check out Correlator.
10	004 102	3-98	5	4						70% Vib #14256 Down due to servo valve
11	005 103	4-99	6							70% being changed out. Sta #103 stacked 1 st half.
12	Skip 104	5-100	7							Skip
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Finished For The Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
SWEEP FREQUENCY 8 → 32	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111	
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 / 51 sec. Record Length	OBSERVER L. Patton J. Wigg	PARTY MOR. L. Davis			

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Geosource Inc.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/24/81
CREW NO. 6834	TERRAIN 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	Pulse	1-6sec.				341	OUT	IN		Recorder set at 75-76
2	ETWT	2- "								Farm house AT STA* 71-72 Also Electric Fence
3	D.R.D.	4- "								Running Along line From 64-80 Also Tractor work-
4	Sam test	2- "								ing off line AT 73-74.
5	NR.T. test	2- "								
6	Similarity	1-31sec.	225	5						50%
7	Wind Strip	1-6sec.	3							
8	Skip	105	6-101	3	5					Skip #105 skiped due to house
9	106	7-102	4							70%
10	107	8-103	5							70%
11	108	9-104	6							70%
12	109	10-105	7			341				70% EOT # 341 tape MKTs.
13	110	11-106	8	4		342				70% BOT # 342 *900 10sec Allowes *011 6sec wind strip.
14	111	12-107	9							70% Vib * 12667 Down
15	112	13-108	10	5						70% Vib * 12667 Back on line
16	Skip	113	14-109	11						Skip Due to house's
17	114	15-110	12							70% *114 stacked last half
18	115	16-111	13							70%
19	Skip	116	17-112	14						Skip #116 skip due to house
20	Skip	117	18-113	15						Skip #117 skip due to Bridge
21	118	19-114	16							70% #118 stacked last half
22	119	20-115	17	4						70% Vib * 12667 Down NOT Receiving Tones.
23	120	21-116	18							70%
24	121	22-117	19							70%
25	122	23-118	20							70%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8.32 / 31 sec	SWEEP PATTERN 4/6.3	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100'S 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 3.30'
REMARKS Runs Sample 151 sec Record Length		OBSERVER R. Patton	PARTY MGR. L. Davis		

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CLIENT Cocorp	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4-24-81
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	
1 022	123	24-119	21	4		342	OUT	IN	70%	
2 023	124	25-120	22			342			70%	Foot #342 Tape MKTS
3 025	125	26-121	23	5		343			70%	Bot #343 #900 10 sec allows #024 6 sec wind strip.
4 026	126	27-122	24						70%	Vib #12667 Back on line Replaced Antenna.
5 027	127	28-123	25						70%	
6										
7										
8										Finished For The Day.
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.		

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/25/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear + Windy	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	1-6sec.				343	OUT	IN		Recorder set AT 100-101
2	934 935 EINT	2- ...								
3	936 939 D.R.P.	4- ...								
4	937 944 Sum test	2- ...								
5	938 941 N.R.I. test	2- ...								
6	932 Similarity	1-31 sec.	225	5					50%	
7	028 Wind Strip	1-6sec.	1							
8	029 128	29-124	1	5					70%	
9	Skip 129	30-125	2						Skip	Due to house
10	030 130	31-126	3						50%	*130 stacked last half.
11	031 131	32-127	4						70%	
12	032 132	33-128	5						70%	
13	033 133	34-129	6						70%	
14	034 134	35-130	7						70%	
15	035 135	36-131	8			343			70%	EOT* 343 Tape MLTs
16	037 136	37-132	9			344			70%	Bot* 344* 900 10sec All ones * 036 6sec wind strip.
17	038 137	38-133	10						70%	
18										Shutting down due to wind.
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8-7.32/31 sec.	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111112221122211111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-411005 1-4900	TYPE GEOPHONE ETLEK22B	FREQUENCY 7.5 Hz.
REMARKS 8 ms Sample Rate / 51 sec Record		OBSERVER R. Patton / J. Winger	STATION INTERVAL 330'	PARTY MGR. L. Davis
		LINE DIR. 1 TO 24 N-7.5		

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/27/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear & Windy	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	1-6sec.				344	OUT	IN		Recorder set at 110-111
2	934 935 EINT	2-... ..								
3	936 939 D.R.D.	4-... ..								
4	953 954 Sum Test	2-... ..								
5	969 961 N.R.T. Test	1-... ..								
6	932 Similarity	1-31sec	275	5						50%
7	039 Wind Strip	1-6sec.	1							
8	040 138	39-134	1	5						70%
9	041 139	40-135	2							70%
10	042 140	41-136	3							70%
11	043 141	42-137	4							70% #141 stacked 1st half due to a house.
12	Skip 142	43-138	5							Skip #142 + 143 Skipped due to housing.
13	Skip 143	44-139	6							Skip
14	044 144	45-140	7							70%
15	045 145	46-141	8							70%
16	Skip 146	47-142	9							Skip #146 Skipped due to house.
17	Skip 147	48-143	10							Skip #147 Skipped due to Well.
18	046 148	49-144	11							70%
19	047 149	50-145	12			344				70% E.O.T. #344 Tape MKTS.
20	049 150	51-146	13			345				70% B.O.T. #345 #900 10sec Allones #048 6sec Wind
21	050 151	52-147	14							70% Strip Wind picking up.
22	051 152	53-148	15							70%
23	052 153	54-149	16							70%
24	053 154	55-150	17							70% Wind Picking up. Stalling by for 1 hour.
25	054 155	56-151	18							70% Wind Still to high to ward. Shutting down.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 32 / 31sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEVR2B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate 15/1sec. Record		OBSERVER R. Patton / J. Wings		PARTY MGR. L. Davis	

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/28/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly Cloudy + Windy	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	Pulse	1-6 sec.				345	OUT	IN		Recorder set at 128-129
2	FTNT	2-"								
3	D.R.D.	4-"								
4	Sum test	2-"								
5	N.R.J. test	..								
6	Similarity	1-21 sec.	225	5					50%	
7	Wind Strip	1-6 sec.	1							
8	156	57-152	1	5					70%	
9	157	58-153	2						70%	
10	158	59-154	3						70%	
11	159	60-155	4			345			70%	EOT * 345 Tape MKTS
12	160	61-156	5			346			70%	BOT * 346 * 900 10 sec All ones * 060 6 sec wind strip.
13	161	62-157	6						70%	
14	162	63-158	7						70%	
15	163	64-159	8	4					70%	Vib #17311 off line. Could not pick up tones.
16	164	65-160	9						50%	" " " on line. Vib #16344 off line, Radio
17	165	66-161	10	5					50%	Trouble.
18	Skip	67-162	11						Skip	Sta #166 + 167. Skipped due to housing. Vib #16344
19	Skip	68-163	12						Skip	on line.
20	167	69-164	13						50%	Stacked 1st half due to housing.
21	Skip	70-165	14						Skip	due to house.
22	168	71-166	3						50%	Stacked last half. Moved Recorder to 140-141
23	171	72-167	4						50%	
24	Skip	73-168	5						Skip	due to water well.
25	173	74-169	6						50%	Stacked last half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
					MDS-10

SWEEP FREQUENCY 8 → 32 / 31 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111222112221111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V11005 1-Y900	TYPE GEOPHONE ETHEV22B	FREQUENCY 7.5 Hz.
REMARKS Cons. Sample Rate 151 sec. Record		OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	

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CLIENT		AREA		STATE		COUNTY		DATE		
COCORP		Kansas		Kansas		Nemaha		4/28/81		
CREW NO.		TERRAIN		WEATHER		LINE NO.				
6834		Rolling Hills		Partly Cloudy & Windy		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	071	174	75-170	7	5	346	DUT	TW	70%	
2	072	175	76-171	8		346			70%	E.O.T. #346 Tape MKTS.
3	074	176	77-172	9		347			70%	B.O.T. #347 #900 10sec. Allones. #073 6sec Wind
4	075	177	78-173	10					70%	Strip.
5	076	178	79-174	11					70%	
6	077	179	80-175	12					70%	
7	078	180	81-176	13					70%	
8	079	181	82-177	14					70%	
9	Skip	182	83-178	15					70%	Skip due to house.
10	080	183	84-179	16					70%	
11										Finished For The Day.
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

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Geosource Inc.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha	DATE 4/29/81
CREW NO. 68.34	TERRAIN 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	Pulse	1-6 sec.				347	OUT	IN		Recorder set at 156-157
2	EINT	2- " "								
3	D. B. D.	4- " "								
4	Samtest	2- " "								
5	N.R.T. Test	2- " "								
6	Similarity	1-3/1 sec.	225	4					50%	Vib #14256 Down Temp.
7	Wind Strip	1-6 sec.								
8	184	85-180	1	4					70%	
9	185	86-181	2						70%	
10	186	87-182	3	5		347			70%	Vib #14256 on line. E.O.T #347 Tape MKTS
11	Skip	88-183	4			348			70%	Skip B.O.T #348 #900 10sec All ones. #085 6sec. Wind Strip
12	188	89-184	5						70%	Sta #187 skipped due to water well. Sta #188 stacked
13	189	90-185	6						70%	last half.
14	190	91-186	7						70%	
15	191	92-187	8						70%	
16	192	93-188	9						70%	
17	193	94-189	10						70%	
18	194	95-190	11						70%	
19	195	96-191	12						50%	Stacked First half due to water well.
20	Skip	97-192	13						70%	Skip due to water well.
21	197	98-193	14						70%	
22	198	99-194	15						70%	
23	199	100-195	16						70%	
24	200	101-196	17			348			70%	E.O.T. Tape MKTS.
25	201	102-197	18			349			70%	B.O.T. #900 10sec. All ones #098 6sec. Wind Strip

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 32 / 3/1 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 5/3sec. Record		OBSERVER R. Patton / J. Wingo		PARTY MGR. J. Davis	

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DIGITAL VIBROSEIS RECORDER

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Geosource Inc.

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CLIENT <i>COCORP</i>	AREA <i>Kansas</i>	STATE <i>Kansas</i>	COUNTY <i>Nemaha + Jackson</i>	DATE <i>4/29/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills</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			RE MARKS
							LOCUT	60 ~	AMP	
1	202	103-198	19	5		349	OUT	IN	70%	
2	203	104-199	20	4					70%	Vib #12.667 Down Temp.
3	204	105-200	21	5					70%	" " on line.
4	205	106-201	22						70%	
5	206	107-202	23						70%	
6	207	108-203	24						70%	
7	208	109-204	25						70%	
8	209	110-205	26						70%	800' offset west.
9	210	111-206	27						70%	Stacked last half.
10	211	112-207	4			349			70%	E.O.T. Tape MKTS
11	212	113-208	5			350			70%	B.O.T. " 900 10sec. All ones. #110 6sec. Wind Strip.
12	213	114-209	6						70%	
13	214	115-210	7						70%	
14	215	116-211	8						70%	
15	216	117-212	9						70%	
16	217	118-213	10						70%	
17	218	119-214	11						70%	
18	219	120-215	12						70%	
19	220	121-216	13						70%	
20	221	122-217	14						70%	
21	222	123-218	15						70%	Finished For The Day.
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
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Geosource Inc.**

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha + Jackson	DATE 4/30/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear to 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			RE MARKS
							LOCUT	60 ~	AMP	
1	933	Pulse	1-6 sec.			351	OUT	IN		Recorder set at 194-195 B.O.T. #351
2	934 935	ETNT	2-"							#900 10 sec. All ones.
3	936 937	D.R.D.	4-"							
4	938 939	Sum test	2-"							
5	940 941	N.R.J. test	2-"							
6	932	Similarity	1-31 sec	225	5				50%	
7	122	Wind Strip	1-6 sec.	2						
8	123	223	124-219	2					70%	
9	124	224	125-220	3					70%	
10	125	225	126-221	4					70%	
11	126	226	127-222	5					70%	
12	127	227	128-223	6					70%	
13	128	228	129-224	7					70%	
14	129	229	130-225	8					70%	
15	130	230	131-226	9					70%	
16	131	231	132-227	10					70%	
17	132	232	133-228	11		351			70%	E.O.T. Tape MKTS
18	134	233	134-229	12		352			70%	B.O.T. #900 10 sec. All ones #133 6 sec. Wind
19	135	234	135-230	13					70%	strip. Sta #134 stacked 1st half.
20	Skip	235	136-231	14					70%	Skip Due to water well.
21	136	236	137-232	15					70%	
22	137	237	138-233	16					70%	
23	138	238	139-234	17					70%	
24	139	239	140-235	18					70%	
25	140	240	141-236	19					70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
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SWEEP FREQUENCY 8-7.32	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222 12221111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-11000 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.
REMARKS 8ms. sample rate / 5/ sec. Record		OBSERVER R. Patton / J. Whingo	PARTY MGR. L. Davis	STATION INTERVAL 330'
				LINE DIR. 1 TO 24 N-75

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Geosource Inc.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha + Jackson	DATE 4/30/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Partly cloudy	LINE NO. 3	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	141	142-237	20	5		352	OUT	IN	70%	
2	142	143-238	21						70%	
3	143	144-239	22						70%	
4	144	145-240	23						70%	
5	145	146-241	24			352			50%	F.O.T. Tape MKTS.
6	5kip	147-242	25						5kip	
7	5kip	148-243	26						5kip	
8	147	149-244	27			353			50%	B.O.T. #900 10sec. All ones. #146 6sec wind Strip
9	148	150-245	28						70%	Light Rain starting.
10	149	151-246	29						70%	
11	150	152-247	30						70%	
12	151	153-248	31						70%	
13	152	154-249	32						70%	
14	153	155-250	33						70%	
15	154	156-251	34						70%	
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 COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha + Jackson	DATE 5/1/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear + Windy	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	1-6sec.				353	OUT	IN		Recorder Set at 228-229
2	934 935 FINT	2-"								
3	936 939 D.R.D.	4-"								
4	953 954 Sum test	2-"								
5	960 961 N.R.J. test	2-"								
6	932 Similarity	1-31sec.	225	4					50%	
7	155 Wind Strip	1-6sec.	1						70%	Having to lay out more cables + jugs, a tractor pulled up part of the line.
8	156 256	157-252	1						70%	
9	157 257	158-253	2			353			70%	F.D.T. Tape MK13.
10	159 258	159-254	3			354			70%	B.O.T. #900 10sec. All ones. #158 6sec. Wind Strip.
11	160 259	160-255	4						70%	
12	161 260	161-256	5						70%	
13	162 261	162-257	6						70%	
14	163 262	163-258	7						70%	
15	164 263	164-259	8						50%	Stacked 1 st half.
16	SKip 264	165-260	9						SKip	due to house.
17	SKip 265	166-261	10						SKip	
18	165 266	167-262	11						70%	Wind picking up to about 25-3 mph. with gust.
19	166 267	168-263	12						70%	
20	SKip 268	169-264	13						SKip	due to pipe line.
21										
22										Finished For the Day
23										
24										
25										
26										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 32 Hz / 31/sec	SWEEP PATTERN 4/16.3	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100s 1-V900	TYPE GEOPHONE FTLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 51/sec. Record		OBSERVER R. Patton G. Wingo		PARTY MGR. L. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha + Jackson	DATE 5/6/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Cloudy + Windy	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	1-6sec.				354	OUT	IN		Recorder set at 241-242.
2	934 955 EINT	2- " "								
3	936 839 D.R.D	4- " "								
4	953 954 SUM TEST	2- " "								
5	960 961 N.R.T. TEST	2- " "								
6	932 Similarity	1-31sec.	225	4					50%	Vib #14256 Down due to inst. problems.
7	167 Wind Strip	1-6sec.	1							
8	168 269	170-265	1						50%	High Pressure Gas line at Sta's. 268-269.
9	169 270	171-266	2			354			70%	E.O.T. Tape MK15.
10	171 271	172-267	3			355			70%	B.O.T. #900 10sec. All ones. #170 6sec. Wind Strip.
11	172 272	173-268	4						70%	
12	173 273	174-269	5						70%	
13	174 274	175-270	6						70%	
14	175 275	176-271	7						70%	
15	176 276	177-272	8						50%	
16	5Kip 277	178-273	9							Skip due to house.
17	177 278	179-274	10						70%	Stacked Last half.
18	178 279	180-275	11						70%	
19	179 280	181-276	12						70%	
20	180 281	182-277	13						70%	
21	181 282	183-278	14						70%	
22	182 283	184-279	15			355			70%	EOT # 355 Tape MK15
23	184 284	185-280	16			356			70%	Bot # 356 #900 10sec All ones #183 6sec windstrip.
24	185 285	186-281	17						70%	
25	186 286	187-282	18						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
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SWEEP FREQUENCY 8 → 32 Hz / 31sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222T12221111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y110ds 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.
REMARKS 8ms Sample Rate 15/3sec. Record		OBSERVER R. Patton / J. Wingo	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>Kansas</i>	STATE <i>Kansas</i>	COUNTY <i>Nemaha & Jackson</i>	DATE <i>5/6/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Rolling Hills</i>	WEATHER <i>Cloudy & Windy</i>	LINE NO. <i>3</i>	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	187	287	188-283	19	4	356	OUT	IN	70%	
2	188	288	189-284	20					70%	
3	189	289	190-285	21					70%	
4	190	290	191-286	22					70%	
5	191	291	192-287	23					50%	Stacked 1st half.
6	Skip	292	193-288	24					Skip	due to house.
7	192	293	194-289	25					50%	Stacked last half.
8	193	294	195-290	26					70%	
9	194	295	196-291	27					70%	
10	195	296	197-292	28		356			70%	E.O.T. Tape MKTS.
11										
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.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Nemaha + Jackson	DATE 5/11/81
CREW NO. 6834	TERRAIN 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			RE MARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6sec.				357	OUT	IN		Recorder set at 268-269
2	934 FINT	2- " "								Pipe line AT #268
3	935 D.R.D.	4- " "								
4	957 Sum Test	2- " "								
5	960 N.R.J. Test	2- " "								Vib # 14256 Down.
6	932 Similarity	1-31sec.	225	4					50%	
7	196 Wind Strip	1-6sec.	2							
8	197 297	198-293	2	4					70%	
9	198 298	199-294	3						70%	
10	199 299	200-295	4						70%	
11	200 300	201-296	5						70%	
12	201 301	202-297	6						70%	
13	202 302	203-298	7						70%	
14	203 303	204-299	8						70%	
15	204 304	205-300	9						70%	
16	205 305	206-301	10						70%	
17	206 306	207-302	11			357			70%	EOT * 357 Tape Mkts.
18	208 307	208-303	12			358			70%	Bot * 358 * 900 10sec All axes #207 6sec wind strip.
19	209 308	209-304	13						70%	
20	210 309	210-305	14						70%	
21	211 310	211-306	15						70%	
22	212 311	212-307	16						70%	
23	213 312	213-308	17						70%	
24	214 313	214-309	18						70%	
25	215 314	215-310	19						50%	* 314 stacked 1st half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 32 Hz / 31 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111222112221111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz
REMARKS 8ms. Sample Rate 15/sec. Record.		OBSERVER R. Patton / J. Wings	STATION INTERVAL 330'	
		PARTY NO. L. Davis		LINE DIR. 1 TO 24 N → S

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA Kansas	STATE Kansas	COUNTY Jackson	DATE 5-11-81
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	SKIP	315	216-311	20	4	358	OUT	IN	SKIP	due TO house.
2	216	316	217-312	21					50%	*316 stacked last half.
3	217	317	218-313	22					70%	
4	218	318	219-314	23					70%	
5	219	319	220-315	24		358			70%	EOT * 358 tape MKTs
6	221	320	221-316	25		359			70%	BOT * 359 * 900 10 sec All ones * 220 6 sec windstrip
7	222	321	222-317	26					70%	stacked 1st half.
8	SKIP	322	223-318	27					SKIP	due TO houses.
9	223	323	224-319	28					70%	EOT * 359 tape MKTs.
10										EOL * 3. Picking up rest of line.
11										
12										Finished For The Day.
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.	