

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY Essex.co	DATE 10-15-81
CREW NO. 6834	TERRAIN Black top a Rolling Hills	WEATHER partly cloudy	LINE NO. 11	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	COP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec				523	OUT	IN		Recorder set at 47-48
2	934 935 EINT	2-11								Sta # 43 open due to road.
3	936 939 D.R.D	4-11								line running beside a mine, some blasting being done.
4	953 954 SUM test	2-11								loggers working along line.
5	960 961 N.R.J test	2-11								
6	932 SIMILARITY	1-32 sec	217	4					30%	Vib # 14256 down due to hydraulic hose busted.
7	001 WIND Strip	1-6 sec	31							
8	002 1	6-101	31						30%	
9	003 2	7-102	32						30%	
10	004 3	8-103	33						30%	
11	005 4	9-104	34						30%	
12	006 5	10-105	35						30%	
13	007 6	11-106	36						30%	
14	008 7	12-107	37						30%	
15	009 8	13-108	38						30%	
16	010 9	14-109	39						30%	
17	011 10	15-110	40						30%	
18	012 11	16-111	41			523			30%	E.D.T. # 523 Tape MKTS.
19	014 12	17-112	42			524			30%	B.D.T. # 524 #100 10sec. All one #6sec. Wind Strip #013
20	015 13	18-113	43						30%	
21	016 14	19-114	44						30%	
22	017 15	20-115	45						30%	
23	018 16	21-116	46						30%	
24	019 17	22-117	47						30%	
25	020 18	23-118	48						30%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8-32 Hz / 32 sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1122 33 x 332 211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100'S 1-Y 900	TYPE GEOPHONE ETLEK228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms. Sample RATE / 52 sec Record			OBSERVER B. PATTON / J. WINGO / M. RICHY	PARTY MGR. L. DAVIS	

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Geosource Inc.

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CLIENT COCORP	AREA New England	STATE New York	COUNTY Essex	DATE 10/15/81
CREW NO. 6834	TERRAIN	WEATHER Partly Cloudy		LINE NO. 11

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	021	19	24-119	49	4	524	OUT	IN	38%	
2	022	20	25-120	37					30%	Moved Recorder to 60-61
3	023	21	26-121	38					30%	
4	024	22	27-122	39					30%	
5										
6										
7										
8										
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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
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Geosource Inc.

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CLIENT COCORP	AREA New England	STATE New York	COUNTY Essex	DATE 10/17/81
CREW NO. 6834	TERRAIN Black Top, Rolling Hills	WEATHER Clear	LINE NO. 11	

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.				524	OUT	IN		Recorder set at 72-73
2	934 935 EI NT	2-"								Logging crew working between Sta. #104-105
3	936 939 D.R.D	4-"								Sta #43 open due to road.
4	938 934 Sum test	2-"								Picking up small amount of leakage on line.
5	960 961 N.R.J.test	2-"								
6	932 Similarity	1-32sec.	217	4		524			30%	E.D.T.#524 Tape MKTS.
7	025 Wind Strip	1-6sec.	28			525				B.D.T.#525 #900 10sec. All ones.
8	026 2.3	28-123	28						30%	Standing by, having Vib Problems. Vib #16344 out
9	027 2.4	29-124	29						30%	vib #17311 on line.
10	028 2.5	30-125	30						30%	
11	029 2.6	31-126	31						30%	
12	030 2.7	32-127	32						30%	
13	031 2.8	33-128	33						30%	
14	032 2.9	34-129	34						30%	
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 32 Hz / 32 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-900's	TYPE GEOPHONE EALEFV22R	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 → 32 Hz / 52 sec Record	OBSERVER B. PATTON / G. WINGO / M. RICHEY	PARTY MGR. L. DAVIS			

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CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY ESSEX	DATE 10-18-81
CREW NO. 6834	TERRAIN BLACK TOP & Rolling Hill	WEATHER cloudy wet - Light Rain		LINE NO. 11

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					OUT	N		Recorder set at 85-86
2	934/935 EINT	2-11								
3	936/939 D.R.D	4-11								
4	953/954 SUM test	2-11								
5	960/961 N.R.J. test	2-11								
6	932 SIMILARITY	1-32 sec	217	5						20%
7	033 WIND strip	1-6sec	22							
8	034 30	35-130	22							30% Starting to Rain hard, Picking up Leakage on Line. Having to shut down.
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 8 → 32 Hz / 32 sec		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 112233X332211			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's 1-700'	TYPE GEOPHONE ETLEK22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 → 32 Hz / 52 sec. Record / SAMPLE RATE 8ms			OBSERVER R. PATTON / J. WINGO / M. RICHAY	PARTY MGR. L. DAVIS	

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DIGITAL VIBROSEIS RECORDER**

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Geosource Inc. 5

CLIENT COCORP	AREA New England	STATE New York	COUNTY Essex	DATE 10/20/81
CREW NO. 6834	TERRAIN Black Top, Rolling Hills	WEATHER Cloudy, Wet + Snow		LINE NO. 11

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDF SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec.				525	OUT	IN		Recorder Set at 85-86
2	934 935 EINT	2 - " "								
3	936 939 D.R.D.	4 - " "								Snow has melted, Picking up Leakage on line.
4	953 934 Sun test	2 - " "								
5	960 961 N.R.J. test	2 - " "								
6	932 Similarity	1 - 32 sec	217	5					30%	
7	035 Wind Strip	1 - 6 sec.	23							
8	036 31	36 - 131	23	4		525			30%	E.D.T. # 525 Tape MKT3.
9	038 32	37 - 132	24			526				B.D.T. # 526 #900 10sec. Allones #0576 sec. Wind Strip.
10										
11										Having to shut down due to Leakage on line.
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. MDS-10
SWEEP FREQUENCY 8 → 32 Hz / 32 sec.	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR HV1100S 1-1900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER R. Patton / J. Wingold / M. Richey	PARTY MGR. L. Davis	

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 6

CLIENT COCORP	AREA New England	STATE New York	COUNTY Essex	DATE 10-21-81
CREW NO. 6834	TERRAIN Black Top + Rolling Hills	WEATHER Cloudy + wet		LINE NO. 11

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			526	OUT	IN		Recorder SET AT 85-86
2	934/935	EINT	2 - " "							Still wet Picking up some leakage.
3	936/939	D.R.D.	4 - " "							Sta# 43 open due to Drive way.
4	953/954	Sum TEST	2 - " "							
5	960/961	NRX TEST	2 - " "							Vib # 16344 Down JUST Problem.
6	932	Similarity	1 - 32 sec	217	4				20%	Re walked line replanted jugs + got All Take outs
7	039	Wind Strip	1 - 6 sec	25						OFF the ground Replaced some leaky cables.
8	040	33	38 - 133	25	4				30%	
9	041	34	39 - 134	26					30%	
10	042	35	40 - 135	27					30%	
11	043	36	41 - 136	28					30%	
12	044	37	42 - 137	29					30%	
13	045	38	43 - 138	30					30%	
14	046	39	44 - 139	31					30%	
15	047	40	45 - 140	32					30%	
16	048	41	46 - 141	33					30%	Water Running AT *141 Picking up some noise From IT.
17	049	42	47 - 142	34		526			30%	EOT * 526 Tape MKTs
18	051	43	48 - 143	35		527			30%	Bot * 527 * 900 10sec All ones * 050 6sec Wind Strip
19	052	44	49 - 144	36					30%	Sta# 144 open due to Bridge.
20	053	45	50 - 145	37					30%	
21	054	46	51 - 146	38					30%	
22	055	47	52 - 147	39					30%	Light Rain Falling.
23	056	48	53 - 148	40					30%	Rain Now Coming Down heavy. Shutting Down
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 32Hz / 32 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112133x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - 1100 / 1 - 900	TYPE GEOPHONE FTLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patton / J. Wingo / M. Richey		PARTY MGR. L. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.** 7

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY ESSEX	DATE 10-22-81
CREW NO. 6834	TERRAIN Black top & Rolling Hills	WEATHER Wet - cloudy	LINE NO. 11	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse				527	OUT	IN		Recorder set at 102-103
2	934	EINT								
3	936	D.R.D								Logging crew working at Sta. # 104-105, 134-135.
4	953	SUM test								Sta. # 144 open due to bridge.
5	960	N.R.J test								
6	932	SIMILARITY	217	5					30%	
7	057	Wind strip	24							
8	058	49	24						30%	CDP off 1 position.
9	059	50	25						30%	
10	060	51	26						30%	
11	061	52	27			527			30%	E.O.T. # 527 Tape MKTS.
12	063	53	28			528			30%	B.D.T. # 528 #900 10sec. All ones # 062 52 sec.
13	064	54	29						30%	Wind Strip.
14	065	55	30						30%	
15	066	56	31						30%	
16	067	57	32						30%	
17	068	58	33						30%	
18	069	59	34						30%	
19	070	60	35						30%	
20	071	61	36						30%	
21	072	62	37						30%	
22	073	63	38						30%	
23	074	64	39						30%	
24	075	65	40			528			30%	E.O.T. # 528 Tape MKTS.
25	077	66	41			529			30%	B.D.T. # 529 #900 10sec. All ones. # 076 52 sec. Wind Strip.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 32sec 8 → 32 Hz	SWEEP PATTERN 7/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100y's 1-900'	TYPE GEOPHONE E+EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8. ms Sample Rate 8 → 32 sec Sweep / 52 sec Record time	OBSERVER R. Patton / J. Wingo / M. Kirby	PARTY MGR. L. Davis			

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DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

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CLIENT COCORP	AREA New England	STATE New York	COUNTY Essex	DATE 10/22/81
CREW NO. 6834	TERRAIN Black top & Rolling Hills	WEATHER Cloudy - wet		LINE NO. 11

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	078	67	72 - 167	42	5		529	OUT	IN	30%	
2	079	68	73 - 168	43						30%	Light rain starting.
3	080	69	74 - 169	44						30%	
4	081	70	75 - 170	45						30%	
5	082	71	76 - 171	46						30%	Sta. #171 open due to driveway.
6	083	72	77 - 172	47						30%	
7	084	73	78 - 173	48						30%	
8	085	74	79 - 174	49						30%	
9	086	75	80 - 175	34	4					30%	Moved Recorder to 118-119. Vib #14256 down
10	087	76	81 - 176	35						30%	hydraulic house burst.
11	088	77	82 - 177	36						30%	
12	089	78	83 - 178	37						30%	
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

C.O.L.

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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