

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

2

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 9/1/81
CREW NO. 6834	TERRAIN Rolling Hills, black Top	WEATHER Clear	LINE NO. 10	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				485	OUT	IN		BOT # 485 * 900 10 sec All ones.
2	934/935 EINT	2 - " "								Recorder set HT.
3	936/939 D.R.D.	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	969/961 NRJ TEST	2 - " "								
6	932 Semilaxity	1 - 32 sec	217	5						30%
7	001 wind strip	1 - 6 sec	7							
8	002 1	6 - 101	7	4	8					30% Vib # 17311 Down, shaker leg broke
9	003 2	7 - 102	8							30% Vib's shaking bumper to bumper.
10	004 2	7 - 102	8							30% Vib's in normal array.
11	005 3	8 - 103	9							30% stacked 1 st half.
12	Skip 4	9 - 104	10							Skip due to house
13	Skip 5	10 - 105	11							Skip
14	006 6	11 - 106	12							30%
15	008 7	12 - 107	13							30% Omit file 007 Bad spot on tape.
16	009 8	13 - 108	14							30%
17	010 9	14 - 109	15							30%
18	011 10	15 - 110	16	4	6	485				30% E.O.T. # 485 Tape MKTS
19	013 11	16 - 111	17			486				30% B.O.T. # 486 # 900 10 sec. All ones # 012 6 sec. Wind
20	014 12	17 - 112	18							30% strip
21	015 13	18 - 113	19							30%
22	016 14	19 - 114	20	4	4					30%
23	017 14	19 - 114	20		8					30%
24	018 14	19 - 114	20		12					30%
25	019 14	19 - 114	20		16					30%

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 6	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - 1100s 1 - 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten / J. Wings	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 NW → SE		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

3

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY	DATE <i>9/1/81</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER		LINE NO. <i>10</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	020	15	20-115	21	4	8	486	OUT	IN	30%	
2	021	16	21-116	22						50%	
3	022	17	22-117	23						50%	
4	023	18	23-118	24			486			50%	<i>1st 4 sweeps with 4 vib's, 2nd 4 sweeps with 3 vib's. EOT # 486 Tape M/T's.</i>
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.

4

CLIENT COCORP	AREA New England	STATE New York	COUNTY St Lawrence	DATE 9-2-81
CREW NO. 6834	TERRAIN Black Top - Rolling Hills	WEATHER Cloudy + Wet		LINE NO. 10

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				487	OUT	IN		BOT *487 *900 10sec All ones
2	934/935 EINT	2 - " "								Recorder set at 94-95
3	936/939 DRD	4 - " "								
4	953/954 Sum TEST	2 - " "								
5	960/961 NRJ TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4					30%	Light Rain, Standing by For 1 hour + half.
7	024 Windstrip	1 - 6 sec	2							Still Raining, having to shut down.
8	025 19	24 - 119	2	4					50%	
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 - Y 11005 1 - Y 900	TYPE GEOPHONE ETLE V 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52sec Record Length			OBSERVER R. Patten / J. Wingo	PARTY MGR. J. Davis	

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

5

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 9/4/81
CREW NO. 6834	TERRAIN Rolling Hills	WEATHER Clear	LINE NO. 10	

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.				487	OUT	TW		Recorder set at 94-95
2	934 935 EINT	2- " "								
3	936 939 D.R.D.	4- " "								Electric fence running along line between
4	937 938 Sam test	2- " "								stations 31-34, 37 1/2 - 39 1/2, 46-47, 50-51,
5	940 941 W.R.J test	2- " "								54-56, 74-78 1/2, 80-81.
6	932 Similarity	1-32 sec.	217	4					30%	Vib. #17311 Down, broken pad legs.
7	026 Wind Strip	1-6 sec.	3							
8	027 20	25-120	3						50%	
9	028 21	26-121	4						50%	
10	029 22	27-122	5						50%	
11	030 23	28-123	6						30%	
12	Skip 24	29-124	7							Skip due to house.
13	031 25	30-125	8						50%	Stack Last half.
14	032 26	31-126	9						50%	
15	033 27	32-127	10						30%	Stacked 1st half
16	Skip 28	33-128	11							Skip due to house.
17	034 29	34-129	12			487			30%	E.O.T. #487 Tape MKTS.
18	036 30	35-130	13			488			30%	B.O.T. #488 #900 10sec. All ones. #035 6sec. Wind
19	037 31	36-131	14						30%	Strip staying at 30% drive due to vib's putting
20	Skip 32	37-132	15							Skip dents in lead. Sta. #31 stacked 1st half
21	Skip 33	38-133	16							Skip due to house.
22	038 34	39-134	17						30%	
23	039 35	40-135	18						30%	
24	Skip 36	41-136	19							(Having to shut down due to Vib's putting dents in Road.)
25	040 37	42-137	20						30%	Stacked Last half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8332 1/4 / 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 4-411005 1-4900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER J. Wings	PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

6

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>9/8/81</i>
CREW NO. <i>16834</i>	TERRAIN <i>Rolling Hills, Black Top</i>	WEATHER <i>Partly Cloudy & Wet</i>		LINE NO. <i>10</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			RE MARKS
							LOCUT	60 ~	AMP	
1	<i>933 Pulse</i>	<i>1-6 sec</i>				<i>488</i>	<i>OUT</i>	<i>IN</i>		<i>Recorder set at 114-115</i>
2	<i>934/935 FIWT</i>	<i>2- " "</i>								
3	<i>936/939 DRD</i>	<i>4- " "</i>								<i>Picking up Flick due to high voltage Power Lines along Line.</i>
4	<i>952/954 Sum test</i>	<i>2- " "</i>								
5	<i>969/961 A.R.J. test</i>	<i>2- " "</i>								
6	<i>932 Similarity</i>	<i>1-32 sec</i>								<i>20% Electric Fences Running along Line From Sta 31-81.</i>
7	<i>041 Wind Strip</i>	<i>1-6 sec</i>	<i>1</i>							
8	<i>042 38</i>	<i>43-138</i>	<i>1</i>							<i>20% Cable across Road at stations 55-120-125.</i>
9	<i>Skip 39</i>	<i>44-139</i>	<i>2</i>							<i>Skip due to house.</i>
10	<i>Skip 40</i>	<i>45-140</i>	<i>3</i>							<i>Skip</i>
11	<i>043 41</i>	<i>46-141</i>	<i>4</i>							<i>20%</i>
12	<i>044 42</i>	<i>47-142</i>	<i>5</i>							<i>20% Test, Dumping on 8 sweeps then Shaking across</i>
13	<i>045 43</i>	<i>48-143</i>	<i>6</i>		<i>42+43</i>					<i>20% Sta. 43 & dumping on 16 sweeps.</i>
14	<i>046 44</i>	<i>49-144</i>	<i>7</i>							<i>20% Test: Same as Above.</i>
15	<i>047 45</i>	<i>50-145</i>	<i>8</i>							<i>20%</i>
16	<i>Skip 46</i>	<i>51-146</i>	<i>9</i>			<i>488</i>				<i>Skip E.D.T. #488 Tape MK75.</i>
17	<i>048 47</i>	<i>52-147</i>	<i>10</i>			<i>489</i>				<i>20% Stacked last half. B.O.T. #489 #900 10sec. All</i>
18	<i>050 48</i>	<i>53-148</i>	<i>11</i>							<i>20% ones. #048 6sec. Wind Strip. 12 sweeps on sta. #48</i>
19	<i>Skip 49</i>	<i>54-149</i>	<i>12</i>							<i>Skip due to house.</i>
20	<i>051 50</i>	<i>55-150</i>	<i>13</i>							<i>20% Stacked last half. 12 sweeps</i>
21	<i>052 51</i>	<i>56-151</i>	<i>14</i>							<i>20% 8 sweeps</i>
22	<i>053 52</i>	<i>57-152</i>	<i>15</i>							<i>20%</i>
23	<i>054 53</i>	<i>58-153</i>	<i>16</i>							<i>20%</i>
24	<i>Skip 54</i>	<i>59-154</i>	<i>17</i>							<i>Skip</i>
25	<i>Skip 55</i>	<i>60-155</i>	<i>18</i>							<i>Skip</i>

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY <i>8 → 32 Hz / 32 sec</i>		SWEEP PATTERN <i>4/63</i>		SWEEPS PER PATTERN <i>8</i>	
SWEEP PATTERNS PER SETUP <i>1</i>		PATCH PATTERN <i>112233X332211</i>			
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-111005 1-1900</i>	TYPE GEOPHONE <i>ETLEV22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms. Sample Rate / 52 sec. Record</i>			OBSERVER <i>J. Wingo</i>	PARTY MGR. <i>J. Davis</i>	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY	DATE <i>9/8/81</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER <i>Cloudy, wet, light rain</i>		LINE NO. <i>10</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	
<i>1</i>	<i>Skip</i>	<i>56</i>	<i>61-156</i>	<i>19</i>						
<i>2</i>	<i>055</i>	<i>57</i>	<i>62-157</i>	<i>20</i>						<i>Stacked last half. Having to shut down due to flicker on scope from storm clouds.</i>
<i>3</i>										
<i>4</i>										
<i>5</i>										
<i>6</i>										<i>E.O.T #489 Tape mts</i>
<i>7</i>										
<i>8</i>										
<i>9</i>										
<i>10</i>										
<i>11</i>										
<i>12</i>										
<i>13</i>										
<i>14</i>										
<i>15</i>										
<i>16</i>										
<i>17</i>										
<i>18</i>										
<i>19</i>										
<i>20</i>										
<i>21</i>										
<i>22</i>										
<i>23</i>										
<i>24</i>										
<i>25</i>										

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

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

8

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-14-81
-------------------------	----------------------------	--------------------------	------------------------------	------------------------

CREW NO. 6834	TERRAIN Black Top	WEATHER Partly Cloudy + WET	LINE NO. 10
-------------------------	-----------------------------	---------------------------------------	-----------------------

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			490	OUT	IN		BOT #490 *900 10 sec All ones.
2	934/935	FINT.	2 - " "							
3	936/939	D.R.D.	4 - " "							Electric Fences From Sta. #31-81.
4	953/954	Sum TEST	2 - " "							Sta. #157-174 will be open due to town of
5	960/961	NRS TEST	2 - " "							Nor Fork.
6	932	Similarity	1 - 32 sec	217	5				20%	
7	056	Wind Strip	1 - 6 sec							
8	Skip	58	63-158	1	5				Skip	due to house.
9	Skip	59	64-159	2					Skip	" " "
10	057	60	65-160	3					20%	Ground wet picking up small amount of
11	058	61	66-161	4					20%	leakage
12	059	62	67-162	5					20%	
13	060	63	68-163	6					20%	
14	061	64	69-164	7					20%	
15	062	65	70-165	8					20%	
16	063	66	71-166	9					20%	
17	064	67	72-167	10					20%	
18	065	68	73-168	11					20%	Stacked First half.
19	Skip	69	74-169	12					Skip	due to house.
20	066	70	75-170	13					20%	Stacked Last half.
21	067	71	76-171	14					20%	Stacked First half.
22	Skip	72	77-172	15					Skip	due to house.
23	Skip	73	78-173	16					Skip	" " "
24	Skip	74	79-174	17					Skip	" " "
25	Skip	75	80-175	18		490			Skip	" " " " E.I.T. #490 Tape MKTS.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 32sec		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-Y 11005 1-Y 900	TYPE GEOPHONE ETLEV 22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER K. Patton J. Wings.	PARTY MGR. J. Davis.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

9

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 9/15/81
CREW NO. 6834	TERRAIN Black Top Road	WEATHER Clear to Partly	LINE NO. 10	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				491	OUT	IN		Recorder set at 151-152
2	934 935 FIINT	2- " "								
3	936 939 DRD	4- " "								Sta. # 157-174 open due to town of Norfolk.
4	953 959 sum test	2- " "								Electric Fences + High Voltage Power lines ramping along line. Road Construction Crew working behind line
5	960 961 N.R.S. test	2- " "								New Vib on line #23652.
6	932 Similarity	1-32 sec.	217	5					20%	
7	068 Wind Strip	1-6 sec.	2							
8	069 76	81-176	2						20%	Stacked First half!
9	070 77	82-177	3						20%	
10	Skip 78	83-178	4						Skip	due to house
11	Skip 79	84-179	5						Skip	" " "
12	071 80	85-180	6						20%	
13	072 81	86-181	7						20%	
14	073 82	87-182	8						20%	
15	074 83	88-183	9						20%	
16	075 84	89-184	10						20%	
17	076 85	90-185	11						20%	
18	Skip 86	91-186	12						Skip	
19	Skip 87	92-187	13						Skip	
20	Skip 88	93-188	14						Skip	
21	077 89	94-189	15						20%	
22	078 90	95-190	16						20%	
23	Skip 91	96-191	17						Skip	due to house.
24	Skip 92	97-192	18						Skip	" " "
25	Skip 93	98-193	19						Skip	" " "

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 - V1100 1 - V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'	LINE DIR. 1 TO 24 NW → SE
----------------------------------	---------------------------------------	------------------------------------------------	----------------------------------	-----------------------------	---------------------------------	-------------------------------------

REMARKS 8ms Sample Rate / 52 sec. Record	OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis
----------------------------------------------------	-----------------------------------------	-------------------------------

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

10

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>9/15/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Black Top</i>	WEATHER <i>Clear to Partly Cloudy</i>		LINE NO. <i>10</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	079	94	99-194	20	5	491	OUT	FN	20%	E.O.T. #491 Tape MKTS.
2	Skip	95	100-195	21						Skip due to house.
3	081	96	101-196	22		492			20%	B.D.T. +492 #900 10 sec. All ones #080 6 sec. Wind Strip
4	Skip	97	102-197	23						Skip
5	082	98	103-198	24					20%	stacked last half.
6	083	99	104-199	25					20%	
7	084	100	105-200	26					20%	
8	085	101	106-201	27					20%	
9	086	102	107-202	28					20%	
10	087	103	108-203	29					20%	Stacked First half!
11	Skip	104	109-204	30						Skip
12	088	105	110-205	31					20%	stack last half.
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.	
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.**

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST. Lawrence	DATE 9-16-81
CREW NO. 6834	TERRAIN Black Top	WEATHER Partly cloudy + wet		LINE NO. 10

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			492	OUT	IN		Recorder set at 182-183
2	934/935	EINT	2 - " "							Sta. #157-174 open due to Town of Norfolk
3	936/939	D.R.D.	4 - " "							Cable Running through Town and crosses High way at sta. #173-174
4	953/954	Sum TEST	2 - " "							Wind Picking up. A lot of Traffic along line.
5	960/961	NRT TEST	2 - " "							
6	932	Similarity	1 - 32 sec	217	3				20%	
7	089	Wind strip	1 - 6 sec.	1						
8	090	106	111 - 206	1	5				20%	
9	091	107	112 - 207	2					20%	
10	092	108	113 - 208	3		492			20%	F.O.T #492 Tape MKT5.
11	Skip	109	114 - 209	4					Skip	due to house.
12	Skip	110	115 - 210	5					Skip	" " " "
13	Skip	111	116 - 211	6					Skip	" " " "
14	Skip	112	117 - 212	7					Skip	" " " "
15	094	113	118 - 213	8		493			20%	B.O.T. #493 #900 10sec. All ones. #0936sec. Wind Strip.
16	095	114	119 - 214	9					20%	
17	096	115	120 - 215	10					20%	
18	097	116	121 - 216	11					20%	
19	098	117	122 - 217	12					20%	
20	099	118	123 - 218	13					20%	
21	100	119	124 - 219	14					20%	
22	101	120	125 - 220	15					20%	
23	Skip	121	126 - 221	16					Skip	due to house
24	Skip	122	127 - 222	17					Skip	" " " "
25	Skip	123	128 - 223	18					Skip	" " " "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 8	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 11233 x 332211			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100's 1-Y 900	TYPE GEOPHONE ETL E22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length			OBSERVER R. Patten J Wingo	PARTY MGR. L Davis.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

12

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>N.York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>9/16/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Black Top</i>	WEATHER <i>Partly Cloudy & wet</i>		LINE NO. <i>10</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	102	124	129-224	19	4	493	OUT	FW	20%	CDP off one
2	103	125	130-225	20					20%	Stacked Last half! Vib # 23652 down temp.
3	104	126	131-226	21					20%	Sta. # 226 open due to house.
4	105	127	132-227	22					20%	
5	106	128	133-228	23		493			20%	E.O.T. #493 Tape MKTS
6	Skip	129	134-229	24					Skip	due to house
7	Skip	130	135-230	25					Skip
8	Skip	131	136-231	26					Skip
9	Skip	132	137-232	27					Skip
10	108	133	138-233	28	5	494			20%	B.D.T #494 #900 10sec. All ones. #107 6sec. Wind Strip.
11	109	134	139-234	29					20%	
12	110	135	140-235	30					20%	Stacked First half.
13	111	136	141-236	31					20%	Stacked Last half.
14	112	137	142-237	32					20%	
15	113	138	143-238	33					20%	
16	114	139	144-239	34					20%	
17	115	140	145-240	35					20%	
18	Skip	141	146-241	36					Skip	due to house.
19	Skip	142	147-242	37					Skip
20	Skip	143	148-243	38					Skip
21	Skip	144	149-244	39					Skip
22	Skip	145	150-245	40					Skip
23	116	146	151-246	41					20%	
24	117	147	152-247	42					20%	
25	118	148	153-248	43					20%	Stacked First half.

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.

13

CLIENT <i>COCORP</i>	AREA	STATE	COUNTY	DATE <i>9/16/81</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER		LINE NO. <i>10</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	
<i>1</i>	<i>Skip</i>	<i>149</i>	<i>154-249</i>	<i>44</i>		<i>494</i>	<i>OUT</i>	<i>IN</i>		
<i>2</i>	<i>119</i>	<i>150</i>	<i>155-250</i>	<i>45</i>					<i>20%</i>	
<i>3</i>	<i>120</i>	<i>151</i>	<i>156-251</i>	<i>46</i>		<i>494</i>			<i>20%</i>	<i>E.D.T #494 Tape MKTS</i>
<i>4</i>										<i>Station # 152-179 skip due to Town of Norfolk</i>
<i>5</i>										
<i>6</i>										
<i>7</i>										
<i>8</i>										
<i>9</i>										
<i>10</i>										
<i>11</i>										
<i>12</i>										
<i>13</i>										
<i>14</i>										
<i>15</i>										
<i>16</i>										
<i>17</i>										
<i>18</i>										
<i>19</i>										
<i>20</i>										
<i>21</i>										
<i>22</i>										
<i>23</i>										
<i>24</i>										
<i>25</i>										

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

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

14

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-17-81
-------------------------	----------------------------	--------------------------	------------------------------	------------------------

CREW NO. 6834	TERRAIN Black Top	WEATHER Partly cloudy	LINE NO. 10
-------------------------	-----------------------------	---------------------------------	-----------------------

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1 - 6 sec				495	OUT	IN		Bot #495 *900 10 sec All ones.
2	934/935 EINT	2 - 11 "								Sta. #226 open due to house.
3	936/939 DRD	4 - 11 "								
4	953/954 Sum Test	2 - 11 "								
5	960/961 NRT Test	2 - 11 "								Vib #23651 Down
6	932 Similarity	1 - 32 sec	217	4					20%	
7	121 Wind Strip	1 - 6 sec	1							
8	122 180	185-280	1						20%	
9	123 181	186-281	2						20%	
10	124 182	187-282	3						20%	Starting to Rain.
11	125 183	188-283	4						20%	
12	Skip 184	189-284	5							
13	Skip 185	190-285	6							
14	Skip 186	191-286	7							Sta. #187-190 Skipped
15			8							Standing by waiting for Rain to stop.
16										
17										Rain not stopping, having to shut down
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32Hz / 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-Y 1100s 1-Y 900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten	J. Wings	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 NW → SE	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

15

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY ST LAWRENCE	DATE 9-18-81
CREW NO. 6834	TERRAIN Black top	WEATHER Partly cloudy-WET	LINE NO. 10	

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		'		495	OUT	IN		Recorder set at 256-257
2	934 935 FINI	2-11 "								Sta. # 290 open due to Hiway.
3	936 939 DRD	4 11 11								Sta. # 302 open due to bridge.
4	953 954 SUM test	2 " "								Sta. # 311 open due to driveway.
5	960 961 NRS test	2 " "								Sta. # 226 open due to house.
6	932 SIMILARITY	1-32sec	217	" 4 vib						
7	126 Wind Strip	1-6 sec	12							
8	127 191	196-291	12						20%	Stacked Last half.
9	128 192	197-292	13						20%	
10	SKIP 193	198-293	14						SKIP	due to house.
11	129 194	199-294	15						20%	
12	130 195	200-295	16						20%	
13	131 196	201-296	17			495			20%	E.O.T #495 Tape MKTS.
14	133 197	202-297	18			496			20%	B.O.T #496 #900 10sec. Allones. #132 6sec. Wind Strip.
15	134 198	203-298	19						20%	
16	135 199	204-299	20						20%	
17	136 200	205-300	21						20%	
18	137 201	206-301	22						20%	Stacked First half.
19	SKIP 202	207-302	23						SKIP	due to house.
20	138 203	208-303	24						20%	Stacked Last half.
21	139 204	209-304	25						20%	Sta. # 205-212 skip due to house.
22	140 213	218-313	34						20%	
23	141 214	219-314	35						20%	
24	142 215	220-315	36						20%	
25	143 216	221-316	37						20%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8-32Hz/32sec	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100's 1-Y 900	TYPE GEOPHONE ETLE V22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330
REMARKS 8ms SAMPLE RATE / 52sec Record Length			OBSERVER R. Patton / J. Wingo / M. Richey	PARTY MGR. D. Davis	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 16

CLIENT <i>COCORP</i>		AREA <i>New England</i>			STATE <i>New York</i>		COUNTY <i>St. Lawrence</i>		DATE <i>9-18-81</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Black Top</i>			WEATHER <i>Cloudy</i>				LINE NO. <i>10</i>		
REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS	
							LOCUT	60~	AMP		
<i>1</i>	<i>144</i>	<i>222-317</i>	<i>38</i>	<i>38</i>		<i>496</i>	<i>OUT</i>	<i>IN</i>	<i>20%</i>	<i>E.O.T. #496 Tape MKTS.</i>	
<i>2</i>	<i>Skip</i>	<i>223-318</i>	<i>39</i>						<i>Skip</i>	<i>Sta. # 218 - 227 Skipped due to housing.</i>	
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 New England	STATE New York	COUNTY ST Lawrence	DATE 9-19-81
CREW NO. 6834	TERRAIN Black Top	WEATHER Partly Cloudy + WET		LINE NO. 10

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			497	OUT	IN		Bot * 497 * 900 10 sec All ones.
2	934/935	FRONT	2 - " "							Recorder set AT 291-292.
3	936/939	D.R.D	4 - " "							STAs 290 open due to Hwy. * 302 open due to Bridge
4	953/954	Sum Test	2 - " "							* 311 open due to Driveway
5	960/961	NRJ Test	2 - " "							Vib * 14256 Down, Buried wiring.
6	932	Similarity	1 - 32 sec	217	4				20%	
7	145	Windstrip	1 - 6 sec	14					-	
8	146	228	233 - 328	14	4				30%	
9	147	229	234 - 329	15					30%	
10	148	230	235 - 330	16					30%	
11	149	231	236 - 331	17					30%	
12	150	232	237 - 332	18					30%	Stacked 1st half.
13	SKIP	233	238 - 333	19					SKIP	Due to house
14	151	234	239 - 334	20					30%	From UP * 235 - 239 skip due to houses.
15	152	240	245 - 340	26					30%	Stacked Last Half.
16	153	241	246 - 341	27					30%	
17	154	242	247 - 342	28					30%	
18	155	243	248 - 343	29					30%	
19	SKIP	244	249 - 344	30					SKIP	Due to houses.
20	SKIP	245	250 - 345	31					SKIP	" " "
21	156	246	251 - 346	32		497			30%	Stacked Last half EOT * 497 Tape MKTs
22	158	247	252 - 347	33		498			30%	Bot * 498 * 900 10 sec All ones * 157 6 sec Wind Strip
23	159	251	256 - 351	37					30%	UP * 247 stacked 1st half. UP * 248-250 skip due to houses.
24	160	252	257 - 352	38					30%	
25	SKIP	253	258 - 353	39					SKIP	Due to house.

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-Y 1100's 1-Y 900	TYPE GEOPHONE E+1 EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52sec Record Length	OBSERVER R. PATTON	PARTY MGR. J. WINGO / M. RICHY	L. DAVIS		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

18

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-19-81
CREW NO. 6834	TERRAIN Black Top	WEATHER Partly cloudy		LINE NO. 10

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60 ~	AMP	
1	SKIP	259-354	40	4		498	OUT	IN	SKIP	Due to house
2	161	260-355	41						30%	Stacked last half.
3	162	261-356	42						30%	Stacked 1st half. STA# 309 Dead.
4	SKIP	262-357	43						SKIP	Due to houses
5	163	263-358	44						30%	Stacked last half.
6	164	264-359	45						30%	Stacked 1st half.
7	SKIP	265-360	46						SKIP	Due to house
8	165	266-361	47						30%	Stacked last half.
9	166	267-362	48						30%	
10	SKIP	268-363	49						SKIP	Due to houses.
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.

19

CLIENT COCORP	AREA New England	STATE New York	COUNTY St Lawrence	DATE 9-20-81
CREW NO. 6834	TERRAIN Black Top Rolling Hills	WEATHER Partly cloudy	LINE NO. 10	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec				498	OUT	IN		Recorder Set AT 339-340
2	934/935 FINT	2- " "								STA's *290 open due to Hwy. *302 open due to Bridge.
3	936/939 D.R.D.	4- " "								*311 open due to Drive way.
4	953/954 Sum TEST	2- " "								LOT OF TRAFFIC ALONG LINE
5	969/961 N.R.T. TEST	2- " "								Vib *14256 Down Burnt wiring.
6	932 Similarity	1-32 sec	217	4					30%	STA *368 open D.
7	167 Wind strip	1-6 sec	2						-	
8	168 264	269-364	2	4					30%	Stacked last half.
9	169 265	270-365	3			498			30%	EOT *498 Tape MKTs
10	SKIP 266	271-366	4						SKIP	Due to houses
11	SKIP 267	272-367	5						SKIP	" " "
12	171 268	273-368	6			499			30%	Bot *499 *900 10sec All ones *170 6sec wind strip.
13	172 269	274-369	7						30%	Some Thunder Boomers IN AREA picking up
14	SKIP 270	275-370	8						SKIP	Some Flicks. *270 skip due to house.
15	173 271	276-371	9						30%	Stacked last half.
16	174 272	277-372	10						30%	
17	SKIP 273	278-373	11						SKIP	Due to house's.
18	SKIP 274	279-374	12						SKIP	" " "
19	SKIP 275	280-375	13						SKIP	" " "
20	175 276	281-376	14						30%	
21	176 277	282-377	15						30%	
22	177 278	283-378	16						30%	
23	178 279	284-379	17						30%	
24	179 280	285-380	18						30%	Stacked 1st half.
25	SKIP 281	286-381	19						SKIP	Due to house.

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-Y 11005 1-Y 900	TYPE GEOPHONE ETL E22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten / J. Wings / M. Richey	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 NW → SE		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division** 20
Geosource Inc.

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-20-81
CREW NO. 6834	TERRAIN Black Top Rolling Hills	WEATHER partly cloudy.		LINE NO. 10

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	180	287-382	20	4		499	Out	IN	30%	stacked last half.
2	181	288-383	21						30%	
3	182	289-384	22						30%	
4	183	290-385	23			499			30%	Foot #499 Tape mkt's
5	185	291-386	24			500			30%	Bot #500 *900 10 sec All axes *184 6 sec windstrip.
6										From up # 287-311 skip due to town west
7										Stockholm - picking up skip
8										
9										Finished For the Day.
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.** 21

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY St. Lawrence	DATE 9-21-81
CREW NO. 6834	TERRAIN BLACK TOP Rolling Hills	WEATHER Partly cloudy + Windy	LINE NO. 10	

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				500	OUT	IN		Recorder set AT 374-375. Lot of traffic Along Line.
2	934 935 Flat	2-11-11								STA* 368 open Due to house.
3	936 939 DRD	4-11-11								
4	953 954 Sum test	2-11-11								
5	960 961 NRS test	2-11-11								Vib* 16344 Down. Servo Valve won't Shake
6	932 Similarity	1-32 sec	217	4					30%	
7	186 Windstrip	1-6 sec								
8	187 312	317-412	15	4					30%	Stacked Last half.
9	188 313	318-413	16						30%	Stacked First half.
10	Skip 314	319-414	17						Skip	due to house.
11	189 315	320-415	18						30%	Thunder clouds IN AREA picking up some Flicks.
12	190 316	321-416	19						30%	
13	191 317	322-417	20						30%	
14	Skip 318	323-418	21						Skip	Due to house
15	Skip 319	324-419	22						Skip	" " "
16										Some Thunder + lightning All Around
17										getting Flicks.
18										Shutting Down.
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 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-V1100's 1-V 900	TYPE GEOPHONE E+LEV 228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length	OBSERVER R. PATTON / J. WINGOT	PARTY MGR. M. RICHY & DAVIS			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.** 22

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-26-81
CREW NO. 6834	TERRAIN Black Top - Rolling Hills	WEATHER Cloudy + wet		LINE NO. 10

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				500	OUT	IN		Recorder set AT
2	934/935 FINT	2 - " "								STA #368 open due to house
3	936/939 DRD	4 - " "								Sta. # 426-427-428-429-430-434 open due to town of Parisville.
4	953/954 Sum test	2 - " "								
5	960/961 N.R.S. TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	4						30%
7	192 Windsteep	1 - 6 sec								
8	193 320	325 - 420	3							30%
9	194 321	326 - 421	4							30%
10	195 322	327 - 422	5			500				30%
11	Skip 323	328 - 423	6							30%
12	Skip 324	329 - 424	7							30%
13	197 325	330 - 425	8			501				30%
14	198 326	331 - 426	9							30%
15	199 327	332 - 427	10							30%
16	200 328	333 - 428	11							30%
17	201 329	334 - 429	12							30%
18	202 330	335 - 430	13							30%
19	203 331	336 - 431	14							30%
20	204 332	337 - 432	15							30%
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 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233x337211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 11005 1-Y 900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz
REMARKS 8 ms Sample Rate / 52 sec Record Length	OBSERVER R. Patten	PARTY MGR. L. Davis	STATION INTERVAL 330'	LINE DIR. 1 TO 24 NW → SE

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 23

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST. Lawrence	DATE 9-29-81
CREW NO. 6834	TERRAIN Black Top Rolling Hills	WEATHER Clear + Wet + Windy		LINE NO. 10

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			501	OUT	IN		Recorder Set at 394-395
2	934/935	EINT	2 - " "							Sta. # 368 open due to driveway
3	936/939	DRD	4 - " "							Sta. # 426, 427, 428, 429, 430, 434 - open due to town of Parishville.
4	953/954	Sum Test	2 - " "							Vib # 16344 Down INST. Problems.
5	960/961	NRT TEST	2 - " "							
6	932	Similarity	1 - 32 sec	217	4					30%
7	205	Wind Strip	1 - 6 sec	16						
8	206	333	338-433	16						30%
9	207	334	339-434	17						30%
10	208	335	340-435	18		501				30% E.D.T. #501 Tape MKTS
11	210	336	341-436	19		502				30% B.O.T. # 502 #900 10sec. All ones # 209 6sec. Wind Strip
12	211	337	342-437	20						30%
13	212	338	343-438	21						30%
14	213	339	344-439	22						30%
15	214	340	345-440	23						30%
16	215	341	346-441	24						30%
17	216	342	347-442	25						30%
18	217	343	348-443	26						30%
19	218	344	349-444	27						30%
20	219	345	350-445	28						30%
21	220	346	351-446	29						30%
22	221	347	352-447	30						30%
23	222	348	353-448	31		50				30% Stacked First half. E.D.T. #502 Tape MKTS.
24	SKIP	349	354-449	32						30% due to house.
25	224	350	355-450	33		503				30% B.O.T. #503 #900 10sec. All ones #223 6sec. Wind Strip Stacked Last half

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN 416.3	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 117233 x 332211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V-11005 1-V-900	TYPE GEOPHONE ET LEV 22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8 ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton	PARTY MGR. P. Davis	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 24

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY	DATE <i>9/29/81</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER		LINE NO. <i>10</i>

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	<i>225</i>	<i>351</i>	<i>356-451</i>	<i>34</i>	<i>4</i>	<i>503</i>	<i>OUT</i>	<i>IN</i>	<i>30%</i>	
2	<i>226</i>	<i>352</i>	<i>357-452</i>	<i>35</i>					<i>30%</i>	
3	<i>227</i>	<i>353</i>	<i>358-453</i>	<i>36</i>					<i>30%</i>	
4	<i>228</i>	<i>354</i>	<i>359-454</i>	<i>37</i>					<i>30%</i>	
5	<i>skip</i>	<i>355</i>	<i>360-455</i>	<i>38</i>					<i>skip</i>	<i>due to house</i>
6	<i>skip</i>	<i>356</i>	<i>361-456</i>	<i>39</i>					<i>skip</i>	<i>" " " "</i>
7	<i>skip</i>	<i>357</i>	<i>362-457</i>	<i>40</i>					<i>skip</i>	<i>" " " "</i>
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. 25

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 9-30-81
CREW NO. 6834	TERRAIN Black top Rolling Hills	WEATHER Clear + wet		LINE NO. 10

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				503	OUT	IN		Recorder Set at 420-421
2	934/935	ENV								Sta. # 368 open, Sta. # 426-427-428-429-430-434 - open due to town of Parishville.
3	936/939	DRD								
4	953/954	Sum TEST								
5	960/961	NRX TEST								
6	932	Similarity	217	4					30%	vib # 14256 Down.
7	229	Wind Strip								
8	230	358							30%	
9	231	359							30%	
10	SKip	360							30%	Skip due to housing
11	"	361							30%	"
12	"	362							30%	"
13	"	363							30%	"
14	"	364							30%	"
15	"	365							30%	"
16	232	366							30%	
17	233	367							30%	
18	234	368							30%	E.O.T. #503 Tape MKTS. on V.P. 369
19	235	369				503			30%	B.D.T. #504 #900 10sec. All ones. #236 6sec. Wind Strip.
20	237	370				504			30%	
21	238	371							30%	
22	239	372							30%	Stacked First half.
23	240	379							30%	Sta. # 273, 274, 275, 276, 377, 378 skipped due to housing.
24	241	380							30%	
25	242	381							30%	Sta. # 382-383 - skip due to houses

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz / 32 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 8	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-V 11005 1-V 900	
REMARKS 8 ms Sample Rate / 52 sec Record Length		TYPE GEOPHONE ETL EV22B		FREQUENCY 7.5 Hz	
OBSERVER R. Patten		PATCH PATTERN 112233x332211		STATION INTERVAL 330'	
PARTY MGR. L. Davis		LINE DIR. 1 TO 24 NW → SE			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 26

CLIENT <i>COCORP</i>	AREA	STATE	COUNTY	DATE <i>9/30/81</i>
CREW NO. <i>6834</i>	TERRAIN	WEATHER		LINE NO. <i>10</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	243	384	389-484	41	4		504	OUT	IN	30%	
2	244	385	390-485	42						30%	
3	245	386	391-486	43						30%	
4	246	387	392-487	44						30%	
5	247	390	395-490	47						30%	Sta. #388-389 Skip due to housing. Stacked First
6	248	397	402-497	34						30%	half. Sta. #391-392-393-394-394-395-396-
7	249	398	403-498	35		504				30%	Moved Recorder to 440-441 E.D.T. #504 Tape MKT.
8	251	404	409-504	41		505					B.O.T. #505 #900 10 sec. All ones #250 6 sec. Wind Strip.
9	252	405	410-505	42							Sta. #399-400-401-402-403-
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.

27

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 10/1/81
CREW NO. 6834	TERRAIN Black Top, Rolling Hills	WEATHER Cloudy	LINE NO. 10	

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.				505	OUT	IN		Recorder set at 440-441
2	934 935 FINT	2- " "								Sta. # 426-427-428-429-430-434 open due to town of Parishvill.
3	936 939 D.R.D.	4- " "								
4	953 954 Sum test	2- " "								
5	960 961 N.R.J. test	2- " "								
6	932 Similarity	1-32 sec.	217	4					30%	
7	253 Wind Strip	1-6 sec.								
8	254 406	411-506	43						30%	
9	255 407	412-507	44						30%	
10	Skip 408	413-508	45						Skip	
11	256 409	414-509	46						30%	Stacked Last half.
12	257 410	415-510	47						30%	
13	258 411	416-511	48						30%	Sta. #412 stacked First half.
14	259 412	417-512	49			505			30%	From Sta. #413 to 442 skip due to town of Parishvill. We will be changing vib's From Back of line to Front. Having to change Patches. E.O.I #505 Tape MKTs
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 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-V1100's 1-4900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record	OBSERVER R. Patton / J. Wings		PARTY MGR. Z. Davis		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 28

CLIENT COCORP	AREA New England	STATE New York	COUNTY ST Lawrence	DATE 10-2-81
CREW NO. 6834	TERRAIN Black Top Rolling Hills	WEATHER Overcast & Wet		LINE NO. 10

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				506	047	IN		Recorder Set at 413-414.
2	934/935 EPNT	2 - " "								Vib's. will Be Pulling line.
3	936/939 DRD	4 - " "								
4	953/954 Sum Test	2 - " "								
5	960/961 NRS TEST	2 - " "								
6	932 Similarity	1 - 32 sec	217	5					308	
7	260 Wind strip	1 - 6 sec								
8	261 444	344 - 439	3						30%	Light rain starting, Fog moving in.
9	263 445	345 - 440							30%	Stacked First half.
10										Sta. # 546-547-548 skip due to housing
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 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 - V11005 1 - V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record Length			OBSERVER R. Patton J Wings.	PARTY MGR. L. Davis.	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 29

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 10/5/81
CREW NO. 6834	TERRAIN Black Top Rolling Hills	WEATHER Cloudy		LINE NO. 10

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.				506	OUT	IN		Recorder set at 420-421
2	934 935 EINT	2- " "								Sta. # 368, 426, 427, 428, 429, 430, 434 open
3	936 939 D.R.D.	4- " "								due to town of Parishville
4	953 954 Sum test	2- " "								
5	960 961 N.R.J. test	2- " "								
6	932 Similarity	1-32 sec	217	5					30%	
7	263 Wind Strip	1-6 sec.	1							
8	264 449	349-444	1						30%	
9	265 450	350-445	2						30%	Stacked First half.
10	266 453	353-448	5						30%	Sta #451, 452, skiped due to houses.
11	267 454	354-449	6						30%	Stacked First half.
12	268 457	357-452	9						20%	Sta. # 455, 456 skip due to house. Stacked First
13	Skip	458	358-453	10					Skip	half. Vib's back at 20% due to pad marks in road on VP 457
14	Skip	459	359-454	11					Skip	due to housing
15	Skip	460	360-455	12					Skip	" " "
16	Skip	461	361-456	13					Skip	" " "
17	Skip	462	362-457	14					Skip	" " "
18	269 463	363-458	15						20%	
19	270 464	364-459	16			506			20%	Stacked First half. E.O.T. #506 Tape MKTS.
20	Skip	465	365-460	17					Skip	
21	272 466	366-461	18			507			20%	B.O.T. #507 #900 10 sec. All ones #271 6sec. Wind Strip.
22	273 467	367-462	19						20%	
23	274 468	368-463	20						20%	
24	275 469	369-464	21						20%	
25	276 470	370-465	22						20%	

TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.	
SWEEP FREQUENCY 8-32 Hz / 32 sec.		SWEEP PATTERN 4163		SWEEPS PER PATTERN 8		SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 112233X332211			
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 330'	
REMARKS 8ms. Sample Rate / 52 sec. Record		OBSERVER R. Patton / J. Wings / M. Richey		PARTY MGR. L. Davis						LINE DIR. 1 TO 24 NW → SE	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

30

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>10/5/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Black top Rolling Hills</i>	WEATHER <i>cloudy</i>	LINE NO. <i>10</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	277	471	371-466	23	5		507	OUT	IN	20%	
2	278	472	372-467	24						20%	
3	279	473	373-468	25						20%	
4	280	474	374-469	26						20%	
5	281	475	375-470	27						20%	
6	282	476	376-471	28						20%	
7	283	477	377-472	29						20%	
8	284	478	378-473	30		507				20%	E.O.T.# 507 Tape MKTS.
9	286	479	379-474	31		508				20%	B.O.T.# 508 #900 10sec. Allones # 285 6sec. Wind Strip
10	287	480	380-475	32						20%	
11	288	481	381-476	33						20%	
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 <i>8-32 Hz / 32 sec</i>	SWEEP PATTERN <i>4163</i>	SWEEPS PER PATTERN <i>8</i>	SWEEP PATTERNS PER SETUP <i>1</i>	PATCH PATTERN <i>112233X332211</i>	
GEOPHONES PER PATCH <i>24</i>	NO. OF RECORDING PATCHES <i>96</i>	TYPE VIBRATOR <i>4-Y1100's 1-Y900</i>	TYPE GEOPHONE <i>ETLEV22B</i>	FREQUENCY <i>7.5 Hz</i>	STATION INTERVAL <i>330'</i>
REMARKS <i>8ms. Sample Rate / 52 sec. RECORD</i>			OBSERVER <i>R. Patton / J. Angelo / M. Richey</i>	PARTY MGR. <i>L. Davis</i>	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 31

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW York	COUNTY St. Lawrence	DATE 10-6-81
CREW NO. 6834	TERRAIN BLACK TOP Rolling Hills	WEATHER cloudy + wet		LINE NO. 10

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				508	DWT	IN		Recorder set a 453-454
2	934/935 FINT	2-11 "								
3	936/939 DRD	4-11 "								
4	953/954 SUM test	2-11 "								
5	960/961 NRJ test	2-11 "								
6	932 SIMILARITY	1-32 sec	217						30%	Similarity only dump 6sec. monitors are good.
7	289 WIND strip	1-6 sec								Starting to Rain, picking up some leakage.
8	290 482	382-477	1						20%	
9	291 483	383-478	2						20%	
10	Skip 484	384-479	3						Skip	
11	292 485	385-480	4						20%	
12										Having to shut down due to Rain + Flicks on scope.
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 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-Y1100's 1-Y900	TYPE GEOPHONE ETLEV228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec. Record			OBSERVER R. PATTON / J. WINGARD / M. RICHY	PARTY MGR. L. DAVIS	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

32

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY St. Lawrence	DATE 10-8-81
CREW NO. 6834	TERRAIN Black top Rolling Hills	WEATHER Cloudy & wet		LINE NO. 10

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				508	OUT	IN		Recorder set AT 453-454
2	EINT	2-11 11								STAs # 426-430 Dead due to town of Parishville
3	DRD	4-11 11								*434 Dead due to Drive way.
4	SUM test	2-11 11								
5	NRJ test	2-11-11								Vib #17311 Down IN Shop.
6	SIMILARITY	1-32 sec	217	4					20%	
7	WIND strip	1-6 sec	5							
8	486	386-481	5						20%	
9	487	387-482	6						20%	
10	488	388-483	7						20%	
11	489	389-484	8			508			20%	J# 508 Tape MKTS.
12	490	390-485	9			509			20%	B.D.T.# 509 #900 10sec. All ones # 298 6sec. Wind Strip
13	491	391-486	1			509			20%	E.D.T.# 509. Tape MKTS. Bad Tape. B.D.T.# 510 #900 10sec.
14	492	392-487	2						20%	All ones # 300 6sec. Wind Strip. Moved Recorder to
15	493	393-488	3						20%	462-463. Starting to rain, Picking up Leakage. having to Shut down.
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 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-y.100's 1-y.900	TYPE GEOPHONE ETLEV228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms Sample Rate / 52 sec Record			OBSERVER R. PATTON / J. WINGG / M. RICHY	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 33

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 10/9/81
CREW NO. 6834	TERRAIN Black Top, Rolling Hills	WEATHER Cloudy & wet		LINE NO. 10

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.			510	OUT	IN		Recorder set at 464-465
2	934 935	ETNT	2- " "							Sta. # 426-430 open due to town of
3	936 939	D.R.D.	4- " "							Parishville. Sta. # 434 open due to driveway.
4	953 954	sum test	2- " "							Bull Dotter working OFF Line AT 456-457
5	960 961	N.R.J. test	2- " "							vib # 17311 Down IN Shop
6	932	Similarity	1-32sec.	217	4				20%	
7	304	Wind Strip	1-6sec.	2						
8	305	494	394-489	2	4				20%	
9	306	495	395-490	3					20%	
10	307	496	396-491	4					20%	
11	308	497	397-492	5					20%	
12	309	498	398-493	6					20%	
13	310	499	399-494	7					20%	
14	311	500	400-495	8					20%	Stacked 1st half
15	Skip	501	401-496	9						Skip due to house & bridge.
16	Skip	502	402-497	10						Skip due to bridge.
17	312	503	403-498	11		510			30%	E.O.T. #510 Tape MKTS. Vib's shaking on dirt road.
18	314	504	404-499	12		511			30%	B.D.T. #511 #900 10sec. All ones. #313 6 sec. Wind
19	315	505	405-500	13					30%	Strip.
20	316	506	406-501	14					30%	Stacked First half?
21	Skip	507	407-502	15						Skip due to house.
22	317	508	408-503	16					30%	
23	318	509	409-504	17					30%	
24	319	510	410-505	18					30%	
25	320	511	411-506	19					30%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz. / 32 sec.		SWEEP PATTERN 4/163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112 233X332211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100's 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER R. Patton / J. Wings / M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

34

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>10/9/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Dirt Road</i>	WEATHER <i>cloudy</i>		LINE NO. <i>10</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	321	512	412-507	20	4		511	OUT	IN	30%	
2	322	513	413-508	21						30%	
3	323	514	414-509	22						30%	
4	324	515	415-510	23						30%	
5	325	516	416-511	24						30%	
6	326	517	417-512	25		511				30%	E.D.T.#511 Tape MKTS.
7	328	518	418-513	26		512				30%	B.D.T.#512 #900 10sec. Allones #3276sec. Wind
8	329	519	419-514	27						30%	Strip.
9	330	520	420-515	28						30%	
10	331	521	421-516	29						30%	
11	332	522	422-517	30						30%	
12	333	523	423-518	31						30%	
13	334	524	424-519	32						30%	
14	335	525	425-520	33						30%	
15	336	526	426-521	34						30%	
16	Skip	527	427-522	35						30%	Skip due to house
17	337	528	428-523	36						30%	
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. 35

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 10/10/81
CREW NO. 6834	TERRAIN Dirt Road, Rolling Hills	WEATHER clear		LINE NO. 10

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec.				512	OUT	IN		Recorder set at 500-501
2	934 935 FTNT	2 - " "								STA's 429 + 430 open due to town of Parisville.
3	936 939 D.R.D.	4 - " "								STA # 434 open due to Drive way.
4	953 954 Sum test	2 - " "								
5	960 961 N.R.J. test	2 - " "								Uib* 17311 Down In Shop
6	932 Similarity	1 - 32 sec.	217	4		512			20%	EOT # 512 Tape MKTs
7	338 Wind Strip	1 - 6 sec.	1			513			-	Bot # 513 * 900 10 sec. All ones.
8	339 529	429-524	1	4					30%	
9	340 530	430-525	2						30%	
10	341 531	431-526	3						30%	
11	342 532	432-527	4						30%	
12	343 533	433-528	5						30%	
13	344 534	434-529	6						30%	
14	345 535	435-530	7						30%	Stacked 1st half.
15	SKPP 536	436-531	8						SKIP	Due to house
16	346 537	437-532	9						30%	Stacked 1st half
17	SKPP 538	438-533	10						SKIP	Due to houses
18	SKPP 539	439-534	11						SKIP	" " "
19	347 540	440-535	12						30%	Uibs Back on Black Top
20	348 541	441-536	13						30%	
21	349 542	442-537	14						30%	
22	350 543	443-538	15						20%	Stacked First half
23	SKIP 544	444-539	16						SKIP	due to house.
24	SKIP 545	445-540	17						SKIP	" " "
25	SKIP 546	446-541	18						SKIP	" " "

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 32 Hz. / 32 sec.		SWEEP PATTERN 4163	SWEEPS PER PATTERN 8	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 112233X332211
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4 - Y1100's 1 - Y900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER R. Patton / J. Wings / M. Richey	PARTY MGR. K. Davis	LINE DIR. 1 TO 24 NE → SW

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 36

CLIENT COCORP	AREA New England	STATE New York	COUNTY St. Lawrence	DATE 10/10/81
CREW NO. 6834	TERRAIN Black Top	WEATHER Partly Cloudy		LINE NO. 10

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	547	447-542	19							Skip due to house.
2	548	448-543	20							Skip " " "
3	549	449-544	21							Skip " " "
4	550	450-545	22							Skip " " "
5	551	451-546	23							Skip " " "
6	552	452-547	24			513				20% Stacked Last half! E.O.T. #514 Tape MKT5.
7	553	453-548	25			514				20% B.O.T #514 #900 10sec. All ones. #352 6sec. Wind
8	554	454-549	26							20% Strip.
9	555	455-550	11							20% Stacked First half.
10	556	456-551	12							Skip due to house
11	557	457-552	13							20% Stacked Last half.
12	558	458-553	14							Skip due to house.
13	559	459-554	15							20%
14	560	460-555	16							20%
15	561	461-556	17							20%
16	562	462-557	18							Skip due to house.
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 NEW ENGLAND	STATE NEW YORK	COUNTY ST. LAWRENCE	DATE 10-11-81
CREW NO. 6834	TERRAIN Black top Rolling Hills	WEATHER clear	LINE NO. 10	

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse				514	OUT	IN		Recorder set at 534-535
2	934 935	FIN T								
3	936 937	D.R.D.								
4	937 938	SUM test								
5	960 961	N.R.J. test								
6	932	Similarity	217	5					20%	
7	360	WIND strip	1							
8	361	563	463-558	1					20%	
9	362	564	464-559	2					20%	
10	Skip	565	465-560	3					20%	Skip due to house.
11	363	566	466-561	4		514			20%	E.D.T.#514 Tape MKTS.
12	365	567	467-562	5		515			20%	B.O.T.#515 #900 10sec. All ones #364 6sec. Wind Strip
13	366	568	468-563	6					20%	
14	367	569	469-564	7					20%	
15	368	570	470-565	8					20%	
16	369	571	471-566	9					20%	
17	370	572	472-567	10					20%	Stacked First half.
18	Skip	573	473-568	11					20%	Skip due to housing
19	"	574	474-569	12					"	
20	"	575	475-570	13					"	
21	"	576	476-571	14					"	
22	"	577	477-572	15					"	
23	"	578	478-573	16					"	
24	"	579	479-574	17					"	
25	"	580	480-575	18					"	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 832 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-VII00's 1-V900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER R. Patton / J. Wingo / M. Richey	PARTY MGR. L. Davis	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 28

CLIENT <i>COCORP</i>	AREA <i>New England</i>	STATE <i>New York</i>	COUNTY <i>St. Lawrence</i>	DATE <i>10/11/81</i>
CREW NO. <i>6834</i>	TERRAIN <i>Black Top, Rolling Hills</i>	WEATHER <i>Clear</i>		LINE NO. <i>10</i>

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	<i>581</i>	<i>481-576</i>	<i>19</i>	<i>5</i>		<i>515</i>	<i>OUT</i>	<i>IN</i>	<i>5kip</i>	<i>due to housing.</i>
2	<i>582</i>	<i>482-577</i>	<i>20</i>						<i>11</i>	
3	<i>583</i>	<i>483-578</i>	<i>21</i>						<i>20%</i>	
4	<i>584</i>	<i>484-579</i>	<i>22</i>						<i>20%</i>	
5	<i>585</i>	<i>485-580</i>	<i>23</i>						<i>20%</i>	
6	<i>586</i>	<i>486-581</i>	<i>24</i>						<i>20%</i>	
7	<i>587</i>	<i>487-582</i>	<i>25</i>						<i>20%</i>	
8	<i>588</i>	<i>488-583</i>	<i>26</i>						<i>20%</i>	
9	<i>589</i>	<i>489-584</i>	<i>27</i>			<i>515</i>			<i>20%</i>	<i>E.O.T. #515 Tape MKTS.</i>
10	<i>590</i>	<i>490-585</i>	<i>28</i>			<i>516</i>			<i>20%</i>	<i>B.O.T. #516 - #900 10sec. Allowance #378 6sec. Wind</i>
11	<i>591</i>	<i>491-586</i>	<i>29</i>						<i>20%</i>	<i>strip.</i>
12	<i>592</i>	<i>492-587</i>	<i>18</i>						<i>20%</i>	
13	<i>593</i>	<i>493-588</i>	<i>19</i>						<i>20%</i>	
14	<i>594</i>	<i>494-589</i>	<i>20</i>						<i>20%</i>	
15	<i>595</i>	<i>495-590</i>	<i>21</i>						<i>20%</i>	
16	<i>596</i>	<i>496-591</i>	<i>22</i>						<i>20%</i>	
17	<i>597</i>	<i>497-592</i>	<i>23</i>						<i>20%</i>	
18	<i>598</i>	<i>498-593</i>	<i>24</i>							
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 NEW ENGLAND	STATE NEW YORK	COUNTY ST. LAWENCE	DATE 10-12-81
CREW NO. 6834	TERRAIN BLACK TOP & Rolling Hills	WEATHER clear	LINE NO. 10	

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				516	OUT	IN		REcorder set at - 570-571
2	934 935	FTN.T								
3	936 937	D.R.D.								
4	938 939	SUM test								
5	940 941	N.R.J. test								
6	932	Similarity	217	5					20%	
7	388	WIND strip	1							
8	389	599	499-594	1		516			20%	E.O.T #516 Tape MKT 3
9	391	600	500-595	2		517			20%	B.D.T. #517 #900 10sec. All ones. #390 6sec. Wind
10	392	601	501-596	3					20%	strip
11	393	602	502-597	4	4				20%	Vib # 28652 down Temp.
12	394	603	503-598	5	5				20%	
13	395	604	504-599	6					20%	
14	Skip	605	505-600	7					Skip	due to house.
15	Skip	606	506-601	8					Skip	..
16	396	607	507-602	9					20%	
17	397	608	508-603	10					20%	
18	398	609	509-604	11					20%	
19	399	610	510-605	12					20%	
20	400	611	511-606	13					20%	
21	401	612	512-607	14					20%	
22	402	613	513-608	15		517			20%	E.O.T # 517 TAPE MKT 3
23	Skip	614	514-609	16					Skip	due to house.
24	404	615	515-610	17		518			20%	B.O.T #518 #900 10sec. All ones. #403 6sec.
25	405	616	516-611	18					20%	WIND STRIP. V.P. #615 stacked last half. VP #616 stack 1/2 half.

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-V11005 1-V900	TYPE GEOPHONE E+LE122B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms. Sample Rate / 52 sec. Record			OBSERVER R. Patton / G. Wingo / M. Richey		PARTY MGR. L. DAVIS

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 40

CLIENT COCORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY St. Lawrence	DATE 10-12-81
CREW NO. 6834	TERRAIN BLACK TOP - ROLLING HILLS	WEATHER clear	LINE NO. 10	

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	5kip 617	517-612	19	5		518	OUT	IN	5kip	due to house.
2	406 618	518-613	20						20%	
3	407 619	519-614	21						20%	
4	408 620	520-615	22						20%	
5	5kip 621	521-616	23						5kip	due to house.
6	409 622	522-617	24						20%	Stacked last half.
7	410 623	523-618	25						20%	
8	411 624	524-619	26						20%	
9	412 625	525-620	13						20%	Moved Recorder to 584-585 / STACKED B+ HALF
10	SKIP 626	526-621	14						SKIP	due to house.
11	413 627	527-622	15						20%	Stacked LAST HALF.
12	414 628	528-623	16						20%	
13	5kip 629	529-624	17						5kip	due to barn.
14	415 630	530-625	18						20%	
15	416 631	531-626	19			518			20%	E.D.T #518 Tape MKTS.
16	418 632	532-627	20			519			20%	B.D.T. #519 #900 10sec. Allanes #417 6sec. Wind Strip.
17	419 633	533-628	21						20%	
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-Y1100's 1-Y900'	TYPE GEOPHONE ETLEV228	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 8ms. Sample RATE / 52 sec. Record			OBSERVER R. PATTON / G. WINGO / M. RIDGE	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 41

CLIENT COLORP	AREA NEW ENGLAND	STATE NEW YORK	COUNTY St. Lawrence	DATE 10-13-81
CREW NO. 6834	TERRAIN BLACK TOP & ROLLING HILLS	WEATHER clear		LINE NO. 10

REC.NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933	Pulse				519	OUT	IN		Recorder set at 601-602
2	934/935	EINT								Picking up some noise from high lines & underground cables.
3	936/939	D.R.D								
4	953/954	Sum test								
5	959/961	N.R.J test								
6	932	SIMILARITY	217	5						20%
7	420	WIND STRIP								
8	SKIP	634	534-629	5	5					SKIP due to house.
9	SKIP	635	535-630	6						SKIP " " "
10	421	636	536-631	7						20%
11	422	637	537-632	8						20%
12	423	638	538-633	9						20%
13	SKIP	639	539-634	10						SKIP due to house.
14	SKIP	640	540-635	11						SKIP due to house.
15	SKIP	641	541-636	12						SKIP " " "
16	424	642	542-637	13						20%
17	425	643	543-638	14						20%
18	426	644	544-639	15						20%
19	427	645	545-640	16						20%
20	428	646	546-641	17						20%
21	429	647	547-642	18		519				20% EOT * 519 Tape mkt's
22	431	648	548-643	19		520				20% BOT * 520 * 900 10 sec All axes * 430 6 sec wind strip.
23	432	649	549-644	20						20%
24	433	650	550-645	21						20%
25	434	651	551-646	22						20%

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MD5-10
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-Y1100's 1-Y900	TYPE GEOPHONE ETLEK228	FREQUENCY 7.5 Hz	STATION INTERVAL 1 TO 24
REMARKS 8ms. Sample Rate / 52 sec Record	OBSERVER R. PATTON / J. WINGO / M. RICHAY	PARTY MGR. L. DAVIS			

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc. 42

CLIENT <i>COCORP</i>		AREA <i>New England</i>		STATE <i>New York</i>		COUNTY <i>St Lawrence</i>		DATE <i>10-13-81</i>		
CREW NO. <i>6834</i>		TERRAIN <i>Black top Rolling Hills</i>		WEATHER <i>Clear</i>		LINE NO. <i>10</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	435	652	552-647	23	5	520	OUT	IN	20%	
2	436	653	553-648	24					20%	
3	437	654	554-649	25					20%	
4	438	655	555-650	26					20%	
5	439	656	556-651	27					20%	
6	440	657	557-652	28					20%	
7	441	658	558-653	29					20%	
8	442	659	559-654	30					20%	
9	443	660	560-655	31		520			20%	EOT # 520 Tape MKTs
10	445	661	561-656	32		521			20%	Bot # 521 *900 10 sec All ones *444 6 sec wind STRIP.
11	446	662	562-657	33					20%	
12	447	663	563-658	34					20%	
13	448	664	564-659	35					20%	
14	449	665	565-660	36					20%	
15	450	666	566-661	37					20%	
16	451	667	567-662	38					20%	
17	452	668	568-663	39					20%	
18	453	669	569-664	40					20%	
19	454	670	570-665	41					20%	
20	455	671	571-666	42					20%	
21	456	672	572-667	43					20%	
22	457	673	573-668	44		521			20%	EOT # 521 Tape MKTs. *673 Last station on line #10 TO Be Continued Later.
23										
24										
25										
TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE		TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN		SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL
REMARKS						OBSERVER <i>R. Patton / J. Wingo / M. Richey</i>		PARTY MGR.		