

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

**Exploration Services
Division**
Geosource Inc.

CLIENT COCO RP	AREA OKLAHOMA	STATE OKLAHOMA	COUNTY KIOWA	DATE 11-6-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear		LINE NO. 6

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				077	09T	IN		BEGINNING OF LINE # 6.; B.O.T. 077,
2	934/935 EINT	2- " "								FILE 900: 10 SEC, ALL 2'S. Recorder set at 75-76
3	936/939 DRD	4- " "								BUSY HWY. BETWEEN STR.'S 96 & 97; ASPHALT PLANT
4	953/954 SUM TEST	2- " "								BETWEEN STR.'S 97 & 98. WINDS PERSISTENTLY STRONG
5	969/961 NRS TEST	2- " "								(10-15 M.P.H.).
6	932 SIMILARITY	1-26 sec		5					50%	
7	001 WINDSTRIP	1-6 SEC.								CHECKING LINE. CORRECTING NOISY STATIONS.
8	002 1	4-99	1						50%	LAST HALF; 1-96 CORRELATION MADE ON FILE # 002.
9										Wind picking up. Re stamped ALL JUGS LINE STILL NOISY
10										TO NOISY TO VIBRATE.
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 → 40 / 26 sec		SWEEP PATTERN 4 / 63		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 1111112222111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100 1-Y 900	TYPE GEOPHONE ETL EV 22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate 42 sec Record Length			OBSERVER R. DATTON	PARTY MGR. L. DAVIS	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

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CLIENT COCORP	AREA OKIAHOMA	STATE OKIAHOMA	COUNTY KIOWA	DATE 11-7-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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				077	OUT	IN		RECORDER SET UP BETWEEN STA'S #75 & 76.
2	934/935 FINT	2 - " "								BUSY HWY AT STA'S 96+97, ASPHALT PLANT BETWEEN STA'S 97-98.
3	936/939 DRD	4 - " "								
4	953/954 SUM TEST	2 - " "								
5	969/961 N.R.S. TEST	2 - " "								
6	932 Similarity	1 - 26 sec		5					50%	
7	003 windstrip	1 - 6 sec				077				CHECKING LINE.
8	004 4	7 - 102	4	5		077			50%	EOT 077 TAPE MKTS
9	SKIP 7	10 - 105	7			078				SKIP DUE TO HOUSE & WATER WELL.
10	006 8	11 - 106	8	5		078			50%	900 All ones 10 sec *005 windstrip 6 sec BOT. 078
11	007 11	14 - 109	11	4					50%	VP# 8 stacked last half.
12	008 14	17 - 112	14						50%	VIB. # 1266? DOWN TEMPORARILY
13	SKIP 17	20 - 115	17						SKIP	VP# 17 skip due to water well
14	009 19	22 - 117	19	4					50%	
15	010 22	25 - 120	22	5					50%	
16	SKIP 25	28 - 123	25						SKIP	VP# 25 skip due to houses
17	011 27	30 - 125	27						50%	Stacked last half due to houses
18	012 30	33 - 128	30			078			50%	EOT *078 TAPE MKTS
19	014 33	36 - 131	33			079			50%	Bot *079 *900 All ones 10 sec *013 wind strip 6 sec
20	015 36	39 - 134	36						50%	
21	016 39	42 - 137	39						50%	
22	017 42	45 - 140	42						50%	Stacked 1st half due to water well.
23	018 45	48 - 143	45						50%	
24	019 48	51 - 146	48						70%	
25	FINISHED FOR THE DAY.									

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100 1-V900	TYPE GEOPHONE FTL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate 42 Record Length	OBSERVER R. PATTON	PARTY MGR.			

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

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Geosource Inc.

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CLIENT COCORP	AREA OKLAHOMA	STATE OKLAHOMA	COUNTY KIOWA	DATE 11-8-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear		LINE NO. 6

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			079	OUT	IN		Recorder set AT 125-126
2	934/935	EINT	2 - " "							Busy HWY. AT STA'S 96-97; ASPHALT PLANT AT STA'S 97-98.
3	936/939	DRD	4 - " "			079				EOT # 079 TAPE MKTS
4	953/954	Sum TEST	2 - " "			080				Bot. 080 * 900 All ones 10 sec.
5	960/961	NRS TEST	2 - " "							
6	932	Similarity	1 - 26 sec		5				50%	STATION 166 Dead due TO BRIDGE.
7	020	WINDSTRIP	1 - 6 SEC	1					—	CHECKING LINE.
8	021	51	54 - 149	1	5				70%	Wind 5 to 10 mph.
9	022	54	57 - 152	4					70%	
10	023	57	60 - 155	7					70%	Replanted Jugs on STA 120
11	024	60	63 - 158	10					70%	
12	025	63	66 - 161	13					70%	
13	026	66	69 - 164	16		080			70%	EOT # 080 TAPE MKTS.
14	028	69	72 - 167	19		081			50%	Bot. # 081 900 10 sec All ones * 027 wind strip 6 sec.
15	SKIP	72	75 - 170	22					SKIP	VP # 72 SKIP due TO water well. Wind picking up.
16	029	73	76 - 171	23					50%	VP # 73 stacked last half due TO water well
17	030	76	79 - 174	26					70%	
18	031	79	82 - 177	29					50%	stacked 1st half due TO houses.
19	032	82	85 - 180	32					50%	VP # 82 stacked last half due TO houses
20										Wind starting TO gust TO noisy TO continue TO vibrate.
21										Finished For The Day.
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16	
GEOPHONES PER PATCH 24		NO. OF RECORDING PATCHES 96		TYPE VIBRATOR 4-Y 1100 1-Y 900	
REMARKS 4ms Sample Rate 42 sec Record Length		TYPE GEOPHONE ETH EV22B		FREQUENCY 7.5 Hz	
OBSERVER R. PATTON		STATION INTERVAL 330'		LINE DIR. 1 TO 24 S → N	
PARTY MGR.		PATCH PATTERN 111111 22 ^x 22 111111			

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

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CLIENT COCORP	AREA OKLAHOMA	STATE OKLAHOMA	COUNTY Kiowa	DATE 11-9-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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				081	OUT	IN		Recorder set AT 159-160
2	934/935 FINT	2 - " "								Busy Hwy AT STAs 96+97 ASPHALT PLANT AT STAs 97-98
3	936/939 DRD	4 - " "								STAs 166 Dead due to Bridge.
4	953/954 SUM TEST	2 - " "								
5	960/961 NRJ TEST	2 - " "								
6	932 SPm:ilarity	1 - 26 sec	225	4		081			50%	EOT # 081 TAPE MKTS
7	033 Wind STRIP	1 - 6 sec				082			-	Bot. # 082 900 10 sec All ones. Checking Line.
8	034 85	88 - 183	1	4					70%	CoRR 1-96
9	035 88	91 - 186	4						50%	Stacked 1st half due to houses
10	036 91	94 - 189	7						70%	Stacked last half due to Bridge.
11	037 94	97 - 192	10						70%	
12	038 97	100 - 195	13						50%	VP # 97 stacked last half due to ASPHALT PLANT
13	039 100	103 - 198	16						50%	
14	040 103	106 - 201	19			082			70%	EOT # 082 TAPE MKTS
15	042 106	109 - 204	22			083			70%	Bot. # 083 *900 10sec All ones *041 wind strip 6sec
16	043 109	112 - 207	25						70%	
17	044 112	115 - 210	28						70%	
18	045 115	118 - 213	31						70%	Replanted Jugs ON STA. # 208
19	046 118	121 - 216	34						70%	
20	047 121	124 - 219	37						70%	
21	048 124	127 - 222	40			083			50%	EOT # 083 TAPE MKTS V.P. # 124 stacked 1st half.
22	050 127	130 - 225	43			084			50%	Bot. # 084 900 10 sec All ones *049 wind strip
23	051 130	133 - 228	46						70%	VP # 127 stack last half due to water well
24	052 133	136 - 231	32						70%	Replanted Jugs on 228. Moved Recorder TO 176-177
25	053 136	139 - 234	35						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111111 222 22 111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100 1-Y 900	TYPE GEOPHONE FTL EV 12B	FREQUENCY 7.5	STATION INTERVAL 330'
REMARKS 4 ms Sample Rate 42 sec Record Length	OBSERVER R. PATTON / J. Wingo	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 S → N		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

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Geosource Inc.

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CLIENT COCORP	AREA OKLAHOMA	STATE OKLAHOMA	COUNTY Kiowa	DATE 11-9-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	054	142-237	38	4		084	OUT	IN	70%	Recorder set at 176-177 STA 166 Dead due to Bridge
2	055	145-240	41						50%	VP# 142 stacked 1st half due to houses.
3	SKIP	148-243	-						SKIP	145 SKIP due to houses.
4										Finished For The Day
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 8 → 40Hz / 26sec		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 22 222 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100	TYPE GEOPHONE 1-Y 900	FREQUENCY ETL EV 22B 7.5Hz	STATION INTERVAL 330'
REMARKS 4 ms sample rate 42 sec Record length.			OBSERVER	PARTY MGR. S → N	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCO RP	AREA OKIA	STATE OKIA	COUNTY Kiowa	DATE 11-10-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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				084	OUT	IN		Recorder set AT 221-222
2	934/935 FINT	2 - " "								STA #166 Dead due to Bridge #241 Dead due to Hwy #9
3	936/939 DRD	4 - " "								#243 Dead due to Driveway #257 Dead due to Bridge.
4	953/954 Sum TEST	2 - " "								STA's 160-161 Offset 5,248' WEST.
5	960/961 NRJ TEST	2 - " "				084				Foot #084 TAPE MKTS. STA's 241-242 Offset 4,830' west.
6	932 Similarity	1 - 26 sec	225	4		085			50%	Bot #085 *900 10 sec All ones.
7	056 Windstrip	1 - 6 sec	2							#153-160 west side of Road. Checking Line.
8	057 148	151 - 246	2	4					50%	148 Stacked Last half due to houses. Correlating 1-96
9	058 151	154 - 249	5						70%	From 242-289 Line Runs Down Hwy 54.
10	059 154	157 - 252	8						70%	
11	060 157	160 - 255	11						70%	
12	SKIP 160	163 - 258	14						SKIP	160 skip due to water well.
13	061 161	164 - 259	15						70%	
14	062 164	167 - 262	18						50%	stacked 1st half due to water well
15	063 167	170 - 265	21			085			50%	stacked Last half due to water well Foot #085 Tape MKTS
16	065 170	173 - 268	24			086			70%	Bot 086 *900 10 sec All ones *064 wind strip 6 sec.
17	066 173	176 - 271	27						70%	
18	067 176	179 - 274	30						70%	
19	068 179	182 - 277	33						70%	Traffic getting heav on Hwy 54.
20	069 182	185 - 280	36						70%	
21	070 185	188 - 283	39						70%	
22	071 188	191 - 286	42						70%	
23	072 191	194 - 289	45			086			70%	Foot #086 Tape MKTS
24										
25										Finished For The Day

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 / 26 sec	SWEEP PATTERN 4 16 3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1 1 1 1 1 1 2 2 2 1 1 1 1 1 1	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100 1-900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms sample rate 42 sec Record	OBSERVER R. Patton / J. Wings	PARTY MGR.	LINE DIR. 1 TO 24 S → N		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA OKLA.	STATE OKLA	COUNTY Kiowa	DATE 11/11/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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.				087	OUT	IN		Bot. #087 *900 10 sec All ones Recorder set AT 269-268
2	934 ⁹³⁵ FINT	2- " "								STAs #241 Dead due to Hwy #9 *243 Dead due to Driveway
3	936 ⁹³⁷ D.R.D.	4- " "								*257 Dead due to Bridge STAs 241-242 offset 4,830' west
4	953 ⁹⁵⁴ Sum test	2- " "								*242-289 line runs Down Hwy #54.
5	960 ⁹⁶¹ N.R.J. test	2- " "								*225-241 west side of Road.
6	932 Similakity	1-26 sec.	225	4					50%	
7	073 Wind Strip	1-6 sec.							-	Checking Line STAs #290 starts in WASHITA CO.
8	074 194	197-292	2	4					70%	CORRELATING 1-96
9	075 197	200-295	5						70%	Picking up Lot of Traffic on Hwy #54.
10	076 200	203-298	8						70%	STAs #289-290 offset 5,280' East
11	077 203	206-301	11						70%	STAs 294-295 offset 1,160' East
12	078 206	209-304	14			087			70%	EOT #087 Tape MKTs.
13	080 209	212-307	17			088			70%	Bot #088 *900 10 sec All ones *079 6 sec wind strip
14	081 212	215-310	20						70%	
15	082 215	218-313	23						70%	
16	083 218	221-316	26						70%	
17	084 221	224-319	29						50%	Traffic getting very heavy on Hwy #54.
18	SKIP 224	227-322	32						SKIP	*224 skip due to house's
19	085 225	228-323	33						50%	*225 stacked last half due to house's
20	086 228	231-326	36			088			70%	EOT #088 Tape MKTs.
21										
22										Finished For The Day.
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40/26 sec.	SWEEP PATTERN 4/63	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222211111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100S 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate 42 sec. Record	OBSERVER R. Patton / J. Wings		PARTY MGR. L. Davis		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Kiowa & Washita
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	DATE 11/12/80
			LINE NO. 6

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				089	OUT	IN		Bot #089 #900 10 sec All ones. Recorder set AT 305-306.
2	934 935 ETNT	2- " "								STAs 241 Deaddue to Hwy #9. #243 Dead due to Driveway
3	936 939 D.R.D.	4- " "								#257 Dead due to Bridge. STAs 241-242 offset 4,830' west
4	953 954 Sumtest	2- " "								#225-241 Live west side of Road. #242-289 Live Runs down
5	960 961 N.R.J. test	2- " "								Hwy #54.
6	932 Similarity	1-26 sec	225	4					50%	STAs 289-290 offset 5,280' East + 294-295 offset 1,160' East.
7	087 Wind strip	1-6 sec	1						-	
8	088 231	234-329	1	4					70%	Wind Blowing 10-15 mph + Picking up.
9	234	237-332	1						70%	
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 → 40/26 sec.		SWEEP PATTERN 4/63		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 1111112222111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-V1100S 1-V900	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate 4/2 sec. Record			OBSERVER R. Patton / J. Wings	PARTY MGR. L. Davis	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Kiowa & Washita	DATE 11/13/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Cloud & Windy		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933 Pulse	1-6 sec.				089	OUT	IN		Recorder set up at at sta. 308-309
2	934 235 EINT	2- " "								Sta. 241 Dead due to Hwy. #9. 243 Dead due to Driveway
3	936 239 D.R.D.	4- " "								Sta. #257 Dead due to Bridge. Sta. 241 → 242 off set 4,830
4	953 254 Sumtest	2- " "								west. sta. 225 → 241 line west side of Road. Sta #242 → 299 line runs
5	960 261 N. R. J.	2- " "								Down Hwy. #54
6	932 Similarity	1-26 sec.	225	4					50%	Sta's 289 → 290 off se 5,280' East & 294 → 295 offset 1,16' East.
7	089 Wind Strip.	1-6 sec.								#234 skip due to water well.
8	SKIP 234	237-332	-	4					70%	Wind blowing 20mph to 25mph. & picking up.
9	090 236	239-334	3	4					70%	Other seismic crews line crosses our line at 330-331.
10	091 239	242-337	6			089			70%	239 stacked 1st half. Eot 089 Tape MKTs
11	093 250	253-348	17			090			70%	Bot 090 *900 10 sec All ones *092 Wind strip 6 sec.
12	094 253	256-351	20						70%	250 stacked last half. From 242-249 skip due to
13	095 256	259-354	23						70%	house's water wells & pipe lines. *256 stacked 1st half.
14	096 259	262-357	26						50%	259 stacked last half. 354-355 offset 5,550' East.
15	097 262	265-360	29						70%	
16	098 265	268-363	32						70%	
17	099 268	271-366	35			090			70%	Eot *090 Tape MKTs.
18	101 271	274-369	38			091			70%	Bot *091 *900 10 sec All ones *100 6 sec Wind strip.
19	102 274	277-372	41						70%	
20	103 277	280-375	44						50%	Stacked 1st half UP *277.
21	SKIP 280	283-378	47						SKIP	*280 skip due to oil well
22	104 283	286-381	35						50%	283 stacked last half.
23	SKIP 286	289-384	38						SKIP	286 skip due to Gas well
24	105 288	291-386	40						50%	288 stacked last half
25	106 291	294-389	43						70%	

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec		SWEEP PATTERN 4/16.3		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 122222 			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-1100's	TYPE GEOPHONE ETL EV22B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS Yms. Sample Rate 4.2 sec. 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 COCORP	AREA OKIA	STATE OKIA	COUNTY Kiowa + Washita	DATE 11-13-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Cloudy + windy		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOGUT	60~	AMP	
1	294	297-392	46	4		091	OUT	IN	70 ⁰	stacked 1st half. EOT # 091 Tape MKTS * 297 skip due to water well Finished For the Day
2	SKIP	300-395							SKIP	
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 8 → 40 Hz / 26 sec		SWEEP PATTERN 4 16 3		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 111111 22^x 22 111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y 1100	TYPE GEOPHONE ETL EV 22 B	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4 ms sample rate 42 sec Record Length			OBSERVER	PARTY MGR. S → N	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita	DATE 11/14/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Overcast & Windy		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP 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.				092	OUT	IN		Recorder set up a Sta. 372-373
2	934 935 EINT	2 - " "								STA's 354-355 OFFset 5550' East. 378-379 OFFset 1300 West. 386-387 OFFset 750' West.
3	936 939 D.R.D.	4 - " "								
4	953 954 Sum test	2 - " "								
5	960 961 N.R.J.	2 - " "								
6	932 Similarity	1 - 26 sec.	225	4						50%
7	108 Wind Strip	1 - 6 sec	1							Checking Line. Wind 15-20 MPH.
8	109 298	301 - 396	1	4						50% 298 Stacked last half due to water well. Corr-1-96
9	110 301	304 - 399	4							70%
10	111 304	307 - 402	7							70%
11	112 307	310 - 405	10							70%
12	113 310	313 - 408	13			092				70% EOT*092 Tape MKTs
13	115 313	316 - 411	16			093				70% BOT*093 *900 10 sec All ones *114 6 sec wind strip.
14	116 316	319 - 414	19							70%
15	117 319	322 - 417	22							70%
16	118 322	325 - 420	25							70%
17	119 325	328 - 423	28							70%
18	120 328	331 - 426	31							70% Slight Mist Falling.
19	121 331	334 - 429	34			093				70% EOT*093 Tape MKTs Wind Picking up.
20	123 334	337 - 432	37			094				50% BOT*094 900 10 sec All ones *122 6 sec wind strip.
21	124 337	340 - 435	40							50% *334 Stacked 1st half. *337 Stack last half due to water well.
22	125 340	343 - 438	43							50% 340 Stacked 1st half due to housing.
23	SKIP 343	346 - 441	46							70% SKIP *343 skip due to houses
24	126 344	347 - 442	47							70% *344 Stacked last half due to house's
25										Finished For The Day

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz / 26 sec	SWEEP PATTERN 4/16 3	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4411005 1-1900	TYPE GEOPHONE ETL EV 22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS Hms. Sample Rate 42 sec. Record	OBSERVER R. Patton / J. Wings	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 S → N		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita	DATE 11/15/80
CREW NO. 6834	TERRAIN High Plains	WEATHER OVERcast & Windy	LINE NO. 6	

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				094	OLT	TN		Recorder set up at Sta's 421-422
2	934 935 EINT	2- " "								STA's 354-355 offset 5,550' East 378-379 offset 1,300' west
3	936 939 D. R. D.	4- " "								386-387 offset 750' west
4	953 954 Sum test	2- " "								* 455 Dead due to Road.
5	960 961 N. R. J. test	2- " "								
6	932 Similarity	1- 26 sec.	225	5					50%	
7	127 Wind Strip	1- 6 sec.	1			094				EOT #094 Tape MKTs.
8	129 347	350 - 445	1	5		095			50%	Bot #095 900 10sec All ones *128 6 sec wind strip
9	130 350	353 - 448	4						50%	*347 stacked 1st half *350 stacked last half due to water
10	131 353	356 - 451	7						70%	well. *353 stacked 1st half due to offset.
11	132 356	359 - 454	10						70%	
12	133 359	362 - 457	13						70%	
13	134 362	365 - 460	16	4					70%	
14	135 365	368 - 463	19			095			70%	EOT #095 Tape MKTs.
15	137 368	371 - 466	22			096			70%	Bot #096 900 10sec All ones #136 6 sec wind strip.
16	138 371	374 - 469	25						70%	Replanted Jugs on STA 467
17	139 374	377 - 472	28						70%	Wind picking up.
18	140 377	380 - 475	31						50%	*377 stacked 1st half due to offset
19	141 380	383 - 478	34						70%	
20	142 383	386 - 481	37						70%	
21	SKIP 386	389 - 484	40						SKIP	
22	143 388	391 - 486	42			096			70%	EOT #096 Tape MKTs
23	145 391	394 - 489	45			097			50%	Bot #097 *900 10sec All ones #144 6 sec Wind strip.
24	146 394	397 - 492	48						50%	*391 stacked 1st half. *394 stacked last half.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz. / 26 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111122222111111	
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 4ms Sample Rate 42 sec. Record	OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 S → N		

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA OKLA.	STATE OKLA	COUNTY Washita	DATE 11/18/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	GDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1 - 6 sec.				097	OUT	IN		Recorder set up at stas. 471-472
2	934 ⁹³⁵ FTNT	2 - " "								*455 Dead due to Road
3	936 ⁹³⁹ D.R.D.	4 - " "								From 489-501 men working on pipeline welding +
4	953 ⁹⁵⁴ Sum test	2 - " "								Also using large Machinery.
5	960 ⁹⁶¹ N. P.J. test	2 - " "								Hwy 152 AT 482-483.
6	932 Similarity	1 - 26 sec.	225	5					50%	
7	147 Wind Strip	1 - 6 sec.	1							
8	148 397	400 - 495	1	5					70%	
9	149 400	403 - 498	4						70%	
10	150 403	406 - 501	7			097			50%	EOT *097 Tape mKTS
11	SKIP 406	409 - 504	10							SKIP #406 skip due to water well.
12	152 408	411 - 506	12			098			50%	BOT *098 *900 10 sec All ones *151 6sec wind strip
13	153 411	414 - 509	15						70%	
14	154 414	417 - 512	18	4					70%	
15	155 417	420 - 515	21						70%	
16	156 420	423 - 518	24						70%	
17	157 423	426 - 521	27						50%	stacked on 1st half VP #423
18	SKIP 426	429 - 524	30							SKIP #426 skip due to houses.
19	158 427	430 - 525	31			098			50%	#427 stacked last half due to houses. EOT *098 Tape mKTS
20	160 430	433 - 528	34			099			70%	BOT *099 *900 10 sec All ones *159 6sec wind strip.
21	161 433	436 - 531	37	5					70%	
22	162 436	439 - 534	40						50%	
23	163 439	442 - 537	43						70%	
24	164 442	445 - 540	46						70%	
25	165 445	448 - 543	40	4					70%	Moved Recorder to 480-481

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40Hz / 26sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100^s 1-Y900	TYPE GEOPHONE FTLEV22B	FREQUENCY 7.5 Hz.	STATION INTERVAL 330'
REMARKS Hms. Sample Rate 42 sec 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 COCORP	AREA OKLA.	STATE OKLA	COUNTY Washita	DATE 11/18/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear		LINE NO. 6

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	448	451-546	43			099	OUT	IN	70%	EOT # 099 Tape MKTs
2										
3										Finished For day
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	
REMARKS		OBSERVER					PARTY MGR.				

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division
Geosource Inc.**

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita	DATE 11/19/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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.				100	OUT	IN		Recorder set up at sta. 530-531
2	935 935 FINT	2- " "								#455 Dead due to Bridge. VP #451 + 454 skip due
3	936 939 D.R.D	4- " "								TO Bridge + houses.
4	953 954 Sum test	2- " "								From 489 Running Along line Men welding pipe line
5	960 961 N. RT test	2- " "								+ Also large machinery + Trucks All Along line.
6	932 Similarity	1-26 sec.	225						50%	Hwy 152 At 482-483
7	167 Wind strip	1-6 sec.	2						-	Checking Line.
8	168 457	460-555	2	5					50%	#457 stacked Last Half
9	169 458	461-556	3						70%	
10	170 461	464-559	6	4					70%	#12666 down temper. due to Radio problem.
11	171 464	467-562	9						70%	#462 Dead Machinery working there.
12	172 467	470-565	12	5		100			70%	#12666 Back on line Eot #100 Tape MKTs.
13	174 470	473-568	15			101			70%	Bot #101 #900 10sec All ones #173 6 sec wind strip.
14	175 473	476-571	18						70%	
15	176 476	479-574	21						70%	
16	177 479	482-577	24						70%	
17	178 482	485-580	27						70%	#482 stacked Last half due to Hwy 152
18	179 485	488-583	30						70%	
19	180 488	491-586	33	4		101			70%	Vib #17311 Down Adding TO Radiator. Eot #101 Tape MKTs.
20	182 491	494-589	36	5		102			70%	Bot #102 #900 10sec All ones #181 6 sec wind strip.
21	183 494	497-592	39						70%	VP #491 stacked Last half
22	184 497	500-595	42						50%	#497 stacked 1st half due to house
23	SKiP 500	503-598	45						SKiP	#500 skip due TO houses
24										
25										Finished For the Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO. MDS-10
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 111111222211111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 471100's 1V900	TYPE GEOPHONE ETLEVZZB	FREQUENCY 7.5 Hz	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate 42 sec. Record	OBSERVER R. Patton / J. Wingo	PARTY MGR. L. Davis	LINE DIR. 1 TO 24 S → N		

OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita	DATE 11/20/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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.				102	OUT	IN		Recorder set up at sta's 577-578
2	934 FTNT	2- " "								#462 Dead Machinery working There. Putting Across Road.
3	936 D.R.D.	4- " "								From 506 Running Along Line men welding pipe line -
4	953 Sumfest	2- " "								↓ Also Large Machinery + Trucks All Along line.
5	960 N.R.T.	2- " "								
6	932 Similarity	1-26 sec.	230	4					50%	Vib #17311 Down, getting Radiator For Back Engine Fixed.
7	185 Wind strip	1-6 sec.	1							Checking Line
8	186 503	506-601	1	4					50%	stacked last half due to houses
9	187 506	509-604	4			102			70%	EOT #102 Tape MKTS
10	189 509	512-607	7			103			70%	Bot #103 #900 10 sec All ones #188 6 sec wind strip
11	190 512	515-610	10						70%	
12	191 515	518-613	13						70%	DYNAMITE Crew Shooting Close to line toward
13	192 518	521-616	16						70%	the FRONT OF line.
14	193 521	524-619	19						70%	
15	194 524	527-622	22						70%	
16	195 527	530-625	25			103			70%	EOT #103 Tape MKTS
17	197 530	533-628	28			104			50%	Bot #104 900 10 sec All ones #196 6 sec Wind strip
18	SKIP 533	536-631	31						SKIP	VP #530 stack 1st half. VP #533 skip due to houses
19	198 534	537-632	32						50%	#534 stacked last half.
20	SKIP 537	540-635	35						SKIP	#537 skip Vibs Couldn't get to Ditch.
21	199 539	542-637	37						70%	
22	200 542	545-640	40						70%	
23	201 545	548-643	43						70%	
24	202 548	551-646	46			104			70%	EOT #104 Tape MKTS. Moved Recorder to 610-611
25	204 551	554-649	16			105			70%	Bot #105 #900 10 sec All ones #203 6 sec wind strip.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
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SWEEP FREQUENCY 8 → 40 Hz / 26 sec.	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111122222111111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y/1100's 1-Y 900	TYPE GEOPHONE FTLEVZZB	FREQUENCY 7.5 Hz.
STATION INTERVAL 330'		LINE DIR. S → N		

REMARKS 4 hrs. Sample Rate / 42 sec. Record	OBSERVER R. Patton / T. Wingo	PARTY MGR. L. Davis
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OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA OKIA	STATE OKIA	COUNTY WASHITA	DATE 11-20-80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

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	205	554	557 - 652	19		105	OUT	IN	70%	
2	206	557	560 - 655	22					70%	
3	207	560	563 - 658	25					70%	
4	208	563	566 - 661	28					70%	
5	209	566	569 - 664	31					70%	
6	210	569	572 - 667	34		105			70%	EOT # 105 Tape MKTs.
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.	

**OBSERVER'S REPORT
DIGITAL VIBROSEIS RECORDER**

**Exploration Services
Division**
Geosource Inc.

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita	DATE 11/21/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear	LINE NO. 6	

REC. NO.	SWEEP POINT	PATCH LOCATIONS	JCDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	60~	AMP	
1	933 Pulse	1-6 sec.				106	OUT	IN		Bot # 106 #900 10sec All ones. Recorder set AT 646-647
2	934 935 FIAT	2- " "								From 572 - 610 Pipe Line Running Along line men
3	936 939 D.R.D.	4- " "								Welding + Also large machinery + Trucks All Along line.
4	953 954 Sum test	2- " "								Dynamite crew working close to line.
5	960 961 N.R.J. test	2- " "								STA's 610-611 1 mile OFFset WEST
6	932 Similarity	1-26 sec.	230	4					50%	vib # 17311 Down having Radiator Repaired.
7	211 Wind strip	1-6 sec.	1							Checking Line.
8	212 572	575 - 670	1	4					70%	
9	213 575	578 - 673	4						70%	STA's 674-675 5,200' OFFset EAST.
10	214 578	581 - 676	7						70%	
11	215 581	584 - 679	10						70%	
12	SKIP 584	587 - 682	13						SKIP	584 SKIP due TO water well.
13	216 586	589 - 684	15			106			50%	EOT # 106 Tape MKTs VP # 586 stacked last half.
14	218 589	592 - 687	18			107			70%	Bot # 107 #900 10sec All ones #217 6 sec wind strip.
15	219 592	595 - 690	21						70%	
16	220 595	598 - 693	24						70%	
17	221 598	601 - 696	27						70%	
18	222 601	604 - 699	30						70%	vib # 16344 was Down Temp. Blown Fues IN INST case.
19	223 604	607 - 702	33						70%	
20	224 607	610 - 705	36			107			70%	EOT # 107 Tape MKTs
21	226 610	613 - 708	39			108			70%	Bot # 108 #900 10sec All ones #225 6 sec wind strip.
22	227 613	616 - 711	42						70%	VP # 610 stacked 1st half.
23	228 616	619 - 714	45						70%	
24	229 619	622 - 717	48						70%	
25										Finished For the Day.

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz / 26 sec	SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 1111112222111111	
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 4msec Sample Rate / 42 sec Record	OBSERVER R. Patton / J. Wings	PARTY MGR.	LINE DIR. 1 TO 24 S → N		

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc.

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CLIENT COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita & Custer	DATE 11/22/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear + Windy.		LINE NO. 6

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.				108				Recorder set up at Sta's 696-697
2	934 935 ETNI	2- " "								STAS 674-675 Offset 5,200' East.
3	936 939 D.R.D.	4- " "								Wind 15-20 MPH + Picking up.
4	953 954 Sum test	2- " "								
5	960 961 N.R.J. test	2- " "								
6	932 Similarity	1-26 sec.	230	5		108			50%	Foot # 108 Tape MKTs.
7	230 Wind Strip.	2-6 sec.	1			109				Bot # 109 *900 10 sec All ones. Checking line.
8	231 622	625 - 720	1						70%	
9	232 625	628 - 723	4						70%	Wind Picking up getting too noisy to continue to shake.
10										
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 8 → 40Hz / 126 sec.		SWEEP PATTERN 4/163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 1	PATCH PATTERN 11111122222111111
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS Hms. Sample Rate 1/42 sec. 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 COCORP	AREA OKLA.	STATE OKLA.	COUNTY Washita & Custer	DATE 11/23/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Overcast & Wet		LINE NO. 6

REC.NO.	SWEEP POINT	PATCH LOCATIONS	JCDP SW.	NO VIB	AMP GAIN	TAPE RL.NO.	F I L T E R			REMARKS
							LOCUT	60 ~	AMP	
1	933	Pulse				109	OUT	IN		Recorder set AT STA'S 700-701
2	934	ETNT								STA'S 674-675 - OFFSET 5,200' EAST.
3	936	D.R.D.								#736 Dead due TO INTERSECTION. #752 Dead due TO
4	953	Sum test								Bridge.
5	960	X.R.T. test								
6	932	Similarity	230						50%	
7	233	wind strip	3	5						Checking line
8	234	628	3	5					70%	CORR 1-96
9	235	631	6			109			70%	EOT #109 TAPE MKTS
10	237	634	9			110			50%	BOT #110 *900 10 sec All ones *236 6 sec wind strip
11	238	637	12						50%	UP #634 stacked 1st half. #637 stacked last half.
12	239	640	15	4					70%	Vib #12666 Down Broken Guide Column BOLTS
13	240	643	18						70%	
14	241	646	21						70%	
15	242	649	24						50%	Wind picking up Also light mist falling.
16	skip	652	27						50%	skip #652 skip due TO water well.
17	243	655	30			110			50%	EOT #110 TAPE MKTS.
18	245	658	33			111			70%	BOT #111 *900 10 sec All ones *244 6 sec wind strip
19										Wind now gusting TO north. Also light Rain.
20										
21										Finished For the Day.
22										
23										
24										
25										

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40Hz. / 26 sec.	SWEEP PATTERN 4163	SWEEPS PER PATTERN 16	SWEEP PATTERNS PER SETUP 2	PATCH PATTERN 11111122222111111	
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y1100's 1-Y900	TYPE GEOPHONE ETLEV22B	FREQUENCY 7.5Hz.	STATION INTERVAL 330'
REMARKS 4ms. Sample Rate / 42 sec Record	OBSERVER R. Patton / J. Wingo	PARTY MGR. J. Davis			

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services
Division
Geosource Inc. 21

CLIENT COCORP	AREA OKLA.	STATE OKLA	COUNTY Washita + Custer	DATE 11/24/80
CREW NO. 6834	TERRAIN High Plains	WEATHER Clear to Partly Cloudy		LINE NO. 6

REC. NO.	SWEEP POINT	PATCH LOCATIONS	CDP SW.	NO VIB	AMP GAIN	TAPE RL. NO.	FILTER			REMARKS
							LOCUT	80~	AMP	
1	933 Pulse	1-6 sec.				111	OUT	IN		Recorder Setup at 734-735.
2	934 935 EINT	2- " "								STA's 674-675 OFFSET 5,200' EAST
3	936 939 D.R.D.	4- " "								#736 Dead due TO Intersection #752 Dead due TO Bridge
4	953 954 Sum test	2- " "								Vib # 12666 Down Broken Guide Column Bolt.
5	960 961 N. R.T. test	2- " "								Bull Dozer's working on line AT 727-728 had to Take
6	932 Similarity	1-26 sec	225	4					50%	one set OF Jugs OFF STA's 727.
7	246 wind strip.	1-6 sec.	2							Checking Line
8	247 661	664 - 759	2	4					70%	#691-703 west side OF Road.
9	248 664	667 - 762	5						70%	CoRR-1-96 RePlanted Jugs on #714.
10	249 667	670 - 765	8						70%	*770-771 3/4 mile OFFSET west.
11	250 670	673 - 768	11			111			70%	EOT # 111 Tape MKTs
12	252 673	676 - 771	14			112			70%	Bot # 112 #900 10sec All ones #251 6 sec wind strip.
13	253 676	679 - 774	17						70%	Vib # 16344 Temp Down Replaced BELTs on Compressor.
14	254 679	682 - 777	20						70%	
15	255 682	685 - 780	23						70%	
16	256 685	688 - 783	26						70%	
17	257 688	691 - 786	29						70%	
18	258 691	694 - 789	32			112			70%	EOT # 112 Tape MKTs
19	260 694	697 - 792	35			113			70%	Bot # 113 #900 10sec All ones #259 6 sec wind strip.
20	261 697	700 - 795	38						70%	
21	262 700	703 - 798	41						70%	
22	263 703	706 - 801	44						70%	
23	264 706	709 - 804	47						70%	
24	265 709	712 - 807	29						70%	Moved Recorder TO 755-756
25	266 712	715 - 810	32			113			70%	EOT # 113 Tape MKTs

TOTAL SETUPS	TOTAL SWEEPS	TOTAL COVERAGE	TOTAL FIELD TIME	DRIVING TIME	SYSTEM NO.
SWEEP FREQUENCY 8 → 40 Hz		SWEEP PATTERN 4163		SWEEPS PER PATTERN 16	
SWEEP PATTERNS PER SETUP 1		PATCH PATTERN 111111222222111111			
GEOPHONES PER PATCH 24	NO. OF RECORDING PATCHES 96	TYPE VIBRATOR 4-Y11005 1-Y900	TYPE GEOPHONE ETHLEVR2B	FREQUENCY 4.5 Hz	STATION INTERVAL 330'
REMARKS 4ms Sample Rate 1/42 sec Record			OBSERVER P. Patton / J. Wingo	PARTY MGR. Z. Davis	

OBSERVER'S REPORT DIGITAL VIBROSEIS RECORDER

Exploration Services ²²
Division
Geosource Inc.

CLIENT COCORP		AREA OKIA			STATE OKIA		COUNTY Washita + Custer		DATE 11-24-80		
CREW NO. 6834		TERRAIN High Plains			WEATHER Clear to Partly Cloudy				LINE NO. 6		
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	715	718 - 813	35	4		114	OUT	IN	70%	BOT #114 #900 10 sec All ones #267 6 sec wind strip #718 stacked 1st half due to mobile home #721 stacked last half. FOT #114 Tape MKTS. End of Line #6 Finished For the Day.	
2	718	721 - 816	38						50%		
3	721	724 - 819	41						50%		
4	724	727 - 822	44						70%		
5	727	730 - 825	47			114			70%		
6											
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TOTAL SETUPS		TOTAL SWEEPS		TOTAL COVERAGE			TOTAL FIELD TIME		DRIVING TIME		SYSTEM NO.
SWEEP FREQUENCY		SWEEP PATTERN		SWEEPS PER PATTERN			SWEEP PATTERNS PER SETUP		PATCH PATTERN		
GEOPHONES PER PATCH		NO. OF RECORDING PATCHES		TYPE VIBRATOR		TYPE GEOPHONE		FREQUENCY		STATION INTERVAL	LINE DIR. 1 TO 24
REMARKS							OBSERVER			PARTY MGR.	