

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS Dirt roads		DATE MONTH 8 DAY 21 YEAR 85		CLIENT Co Corp		OB R. Ambrose D. Moore		PM Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS)			C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR				TR	TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS					NO. SUMS	DRIVE	
246	293	297			392	24	998	48K						5	8	50%	345		4				
247	294	298			393	25										50%							
248	295	299			394	26										50%							
249	296	300			395	27										50%							
250	297	301			396	28										50%							
251	298	302			397	29										50%							
252	299	303			398	30										50%							
253	300	304			399	31										50%							
254	301	305			400	32										50%							
255	302	306			401	33										50%						1st half	
Skip	303	307			402	34										Skip						Skip from VP# 303-306 - cross country	
256	307	311			406	38	998								4	50%						E.O.T. # 998 Tape marks	
257	308	312			407	39	999		Wind strip						8	60db						B.O.T. # 999 # 900 All ones 10 sec	
258	308	312			407	39									8	50%							
259	309	313			408	40										50%							
260	310	314			409	41										50%							
261	311	315			410	42										50%							
262	312	316			411	43										50%		7:00					shut down early due to lightning

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-232-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS dirt roads		DATE MONTH 8 DAY 20 YEAR 85		CLIENT E.O. corp		JOB P. Moore		PM Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR 1	TR	TR	TR 4				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
193	245	249			344	35	994	48K							5	8	50%	286 287			4		
194	246	250			345	36											50%						
195	247	251			346	37											50%						
196	248	252			347	38											50%						
197	249	253			348	39											50%						
198	250	254			349	40											50%						
199	251	255			350	41											50%						
200	252	256			351	42											50%						
201	253	257			352	43											50%					E.O.T #994 Tape marks	
202	254	258			353	44	994										50%					B.O.T #995 #10 sec all ones	
203	255	259			354	45	995		wind stripe								60db						
204	255	259			354	45											50%						
205	256	260			355	46											50%						
206	257	261			356	47								4			50%					Vib #25874 down, blown seal, Going with 4 vibs. (110' spacings)	
207	258	262			357	48											50%						
208	259	263			358	49											50%						
209	260	264			359	50			1								50%	321				New recorder set up at #321-322	
210	261	265			360	16											50%						
211	262	266			361	17											50%						
212	263	267			362	18			1								50%						
213	264	268			363	19											50%						
214	265	269			364	20											50%						
215	266	270			365	21											50%						
216	267	271			366	22	995										50%					E.O.T #995 Tape marks	
217	268	272			367	23	996		wind stripe								60db					B.O.T #996 #900 All ones	
218	268	272			367	23											50%						
219	269	273			368	24											50%				4:30pm		

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GEO-252-D

CREW NO. 6834		LINE NO. 2	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLOUDY	TRAIL CONDITIONS Dist Rd	DATE MONTH 8 DAY 19 YEAR 85	CLIENT EOCORP	OB MODRE	PM CLASSIDY							
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.				
933	Pulse		1	6	SEC		990	48								265	4	Idaho Boundary Co.	
934/935	EINT		2	6	"													B.O.T. #990 #900 10 SEC 4 MOVES	
934/939	DRD		4	6	"												10:00	5 Vib 82.5' spacing 1st Vib start 21'	
953/954	SUM		2	6	"													past flag 41.25' MOVE UPS 32 SEC SWEEP	
960/961	NRJ		2	6	"													48 SEC RECORD 10 → 32 Hz SWEEP TREA	
932	Similarity		1	32	"								5	1	30%	10:45		B sweeps Alais 31.25 Hz 8ms sample rate	
138	Windstrip		1	48	"													4ms sample rate Alais 62.5 Hz	
139	195	199			294	6												1	
140	196	200			295	7												2	
141	197	201			296	8													
142	198	202			297	9												1	
143	199	203			298	10													
Skip	200	204			299	11													
144	201	205			300	12													
145	202	206			301	13													
146	203	207			302	14													
147	204	208			303	15													
148	205	209			304	16	990												
149	206	210			305	17	991	Windstrip											
150	206	210			305	17												2	
151	207	211			306	18												1	
152	208	212			307	19													
153	209	213			308	20													
154	210	214			309	21													
155	211	215			310	22													
156	212	216			311	23													
157	213	217			312	24													
158	214	218			313	25													
159	215	219			314	26													
160	216	220			315	27													
161	217	221			316	28													
162	218	222			317	29	991												

E.O.T. #991 TAPE MKT3

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER cloudy		TRAIL CONDITIONS Dist Rd		DATE MONTH 8 DAY 19 YEAR 85		CLIENT COCORP		OB MOORE		PM Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR 1	TR	TR	TR 96				TAPE	MEMORY MISSING SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
163	219	223			318	30	992	48			W	INDSTRIP				5	8	60db	265			4	B.O.T. #992 #900 10 SEC H/OUES	
164	219	223			318	30												50%						
165	220	224			319	31												50%						
166	221	225			320	32												50%			4:30			

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GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TRAIL CONDITIONS Dist Rd		DATE MONTH 8 DAY 16 YEAR 85		CLIENT COCORP		JOB MARK		PM CASSIDY	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING						INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR 1	TR	TR	TR 4				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS					NO. SUMS	DRIVE	
433	Pulse		1	6	SEC		989	48										250		4	Idaho Boundary co.		
934/935	Exit		2	6	11																B.O.T #989 #900 10 SEC ALLOWES		
936/939	DRP		4	6	11										ARRIVE field					7:45	5 Vibs 1st Vib starts 21' past flag 8 25' spacing		
953/954	SUM		2	6	11																41.25 MOVE UPS 32 SEC SWEEP 8 SWEEPS		
969/961	NRJ		2	6	11																48 SEC RECORD 10 7 32 Hz SWEEP FREQ		
932	Similarity		1	32	11										5	1	30%			8:40	Sim taken through live with camera		
126	Windstrip		1	48	17	8												60db			4ms sample rate Alias 62.5 Hz		
127	182	186			281	8												8	30%		8:55		
128	183	187			282	9													50%				
129	184	188			283	10					1								50%				
130	185	189			284	11					1								50%				
131	186	190			285	12													50%				
Skip	187	191			286	13													Skip			VR # 188 + 189 skipped due to a water tank	
Skip	188	192			187	14													Skip				
132	189	193			288	15					2								30%				
133	190	194			289	16					1								30%				
134	191	195			290	17					2								50%				
135	192	196			291	18													50%				
136	193	197			292	19					2								50%				
137	194	198			293	20	989												50%		11:00	E.O.T # 989 TAPES MKTS	
138	195	199			294	21	990	Windstrip														B.O.T # 990 # 900 10 SEC ALLOWES	
	196	200			295																	SHUT CREW DOWN EARLY PROBLEMS WITH BACK MOTOR	

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GEO-252-D

CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB	PM													
6834	2	7:00				cloudy	PAVED RD.	8	15	85	COOP	MOORE	CASSIDY													
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C.D.P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS					
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE								
933	PULSE		1	6	SEC		986	48		MISSED SWEEPS									171	4		Idaho Boundary Co.				
934/935	EINT		2	6	"																	4 Vibos 1st vib starts 21' past flag 110' spacing 41.25' MOVE ups 32 SEC SWEEP				
936/939	DRD		4	6	"											ARRIVE FIELD				7:45		48 SEC RECORD 10 → 32 Hz SWEEP FREQ				
953/954	SVM		2	6	"																	8 SWEEPS 1/15 31.25 Hz 8ms SAMPLE RATE				
960/961	NRT		2	6	"																	CABLE CROSSING PAVED RD. @ 112+113				
932	Similarity		1	32	"											4	1	30%		9:05		RR Tracks crossing line @ 149				
091	Windstrip		1	48	"	2				4ms sample rate 1/15 62.5 Hz												60%	Vib # 25874 down fuel problems			
092	97	101			196	2																8	30%	9:20		
Skip	98	102			197	3																	Skip	VP#98+99 skipped due to houses		
093	100	104			199	5																	30%	last half		
094	101	105			200	6																	30%			
095	102	106			201	7																	50%			
096	103	107			202	8	986																30%	Vib on PAVED RD E.O.T.#986 TAPE m/cts.		
097	104	108			203	9	987	Windstrip															60%	B.O.T.#987#900 10 SEC ALL ONES.		
098	104	108			203	9																	4	30%	First half	
Skip	105	109			204	10																	-	Skip	VP#105 thru 107 skipped due to houses	
099	108	112			207	13				1													8	30%		
Skip	109	113			208	14																		Skip	VP#109+110 skipped due to house	
Skip	110	114			209	15																		Skip		
100	111	115			210	16																		30%		
101	112	116			211	17																		30%		
102	113	117			212	18																		4	30%	
Skip	114	118			213	19																		Skip	VP#114 thru 117 skipped due to houses	
103	118	122			214	23																		30%	First half	
Skip	119	123			218	24																		Skip	VP#119 thru 124 skipped due to houses	
104	125	129			224	30																		8	30%	light RAIN is falling
105	126	130			225	31																		30%		
106	127	131			226	32																		4	30%	
107	128	132			227	33																		8	30%	
108	129	133			228	34																			30%	
109	130	134			229	35																			30%	
110	131	135			230	36	987																		30%	E.O.T.#987 TAPE m/cts.

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GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLOUDY		TRAIL CONDITIONS PAVED RD		DATE MONTH 8 DAY 15 YEAR 85		CLIENT COCORP		OB MOORE		PM Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS				
		TR 1	TR	TR	TR 46					SIZE	TOP	BOT.	NO CAPS	U. H.T.	N. UNITS								NO. SUMS
111	132	136			231	37	988	48						4	8	600	171	4	Idaho Boundary CO, B.O.T. # 988 # 900 10 sec - all OUES				
112	132	136			231	37										30%							
113	133	137			232	38										30%							
114	134	138			233	39										30%							
115	135	139			234	40										30%							
116	136	140			235	41										30%							
117	137	141			236	42										30%							
118	138	142			237	43										30%							
Skip	139	143			238	44										Skip			VPs # 139 thru 143 skipped due to houses				
119	144	148			243	49										30%							
120	145	149			244	2										30%	219		MOVED RECORDER to 219 + 220				
121	146	150			245	3									4	30%							
Skip	147	151			246	4										Skip			VP 147 thru 164 skipped due to houses +				
122	165	169			269	22								5	8	30%			CROSSCOUNTRY. Vibs ARE on a dirt rd.				
Skip	166	170			265	23										Skip			VPs # 166 thru 172 skipped houses				
123	173	177			272	30										30%							
Skip	174	178			273	31										Skip			VPs # 174 skipped due to a house				
124	175	179			274	32									4	30%							
Skip	176	180			275	33										Skip			VPs # 176 thru 180 skipped due to houses				
125	181	185			280	38	988									30%	4:30		F.O.T. # 988 TAPE MKYS				

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GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Rd		DATE MONTH 8 DAY 11 YEAR 85		CLIENT COCORP		OB Moore		PM Cassidy	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS				
		TR 1	TR -	TR -	TR 96				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U. H. T.								
933	Pulse		1-6	sec		979	48										71	4	Idaho Boundary Co.				
934/935	EINT		2-6	sec															B.O.T. #979 #900 10sec ALLOVES				
936/939	DRD		4-6	sec															5 Vibs 1st STARTS 21' post flag, 82.5' spacing,				
953/954	Sum		2-6	"															41.25 move ups, 32sec sweep, 48sec record,				
960/961	NRS		2-6	"															8sweeps, ALIAS 31.25 Hz, 10→32 Hz sweep freq,				
932	similarity		1-32	"															Rms sample rate				
001	winds trip		1-48	sec	6														SIM TAKEN THRU LINE				
002	1	5	-	100	6														4ms sample ALIAS 62.5 Hz				
003	2	6	-	101	7														5 8 50%				
004	3	7	-	102	8														50%				
005	4	8	-	103	9														50%				
006	5	9	-	104	10														50%				
007	6	10	-	105	11														50%				
008	7	11	-	106	12														50%				
009	8	12	-	107	13														2				
010	9	13	-	108	14														50%				
011	10	14	-	109	15														50%				
012	11	15	-	110	16		979												50%				
																			4:45				
																			E.O.T. #979 Tape MKTS				
																			E.O.T. #979 Tape MKTS				

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GEO-252-D

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLOUDY		TRAIL CONDITIONS 212+TRACE 0 R		DATE MONTH 8 DAY 14 YEAR 85		CLIENT COLORP		OB MOORE		PM Cassidy		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
001	101	1	-	48	73	987	48	B.O.T. #987	10 SEC	ALLOWES				1	6	50%	96							Idaho Boundary CO
002	104	1	-	48	73									2	8	30%								Wave test laid across STAs # 96 thru
003	108	1	-	48	73											30%								99 with trace #1 starting on sta 96 +
004	109	1	-	48	73											30%								48 is on sta #99
005	118	1	-	48	73											30%								TRACE #1
006	125	1	-	48	73	987		E.O.T. #987	TAPE M+ts.							30%	4:45							TRACE #48
																								STARTING WITH VP# 104 2 Vibs
																								side by side
																								ELECTRIC FENCE AREA OF TEST PHONES
																								Houses on VP# 014 thru 017.
																								Houses on VPs # 120 thru 124
																								10 → 32 Hz SWEEP FREQ. 32 SEC SWEEP
																								49 SEC RECORD 8ms SAMPLE RATE
																								Alais 32.5 Hz NO NOISE RES



GEO-211-C

This cover sheet must be completed at the beginning of each line, or when parameters change.

GENERAL	
Crew No. <u>6834</u>	Contract No. <u>799</u>
Client <u>COCORP</u>	
Area <u>Idaho</u>	
Country <u>Idaho</u>	
County <u>Boundary co.</u>	
State <u>Idaho</u>	
Party Mgr. <u>B. Cassidy</u> <u>OB/JO MOORE</u>	
Line No. <u>2</u>	Date Start of Line <u>8.11.85</u>
Sta. Int. <u>330'</u> Feet	Meters <u>48%</u> Fold
Spread Dimensions <u>1-31350</u>	
VP's Increase	<input type="checkbox"/> N <input type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W
W → E	

GEOPHONES	
Manufacture <u>MD-1005</u>	Array Length <u>322'</u>
Frequency <u>8hz</u>	Array Width <u>inline</u>
No. per string <u>2-12</u>	Array Across Between Sta
per trace <u>24 Total</u>	Centered <input checked="" type="checkbox"/> <input type="checkbox"/>
Separation String Connected <input type="checkbox"/> <input checked="" type="checkbox"/>	Coil Res. <u>335 Ohms</u>
	String Phone Shunt Res. <input type="checkbox"/> <input type="checkbox"/>
Connected at Sta <input type="checkbox"/> <input checked="" type="checkbox"/>	Separation between elements in the array <u>14'</u>

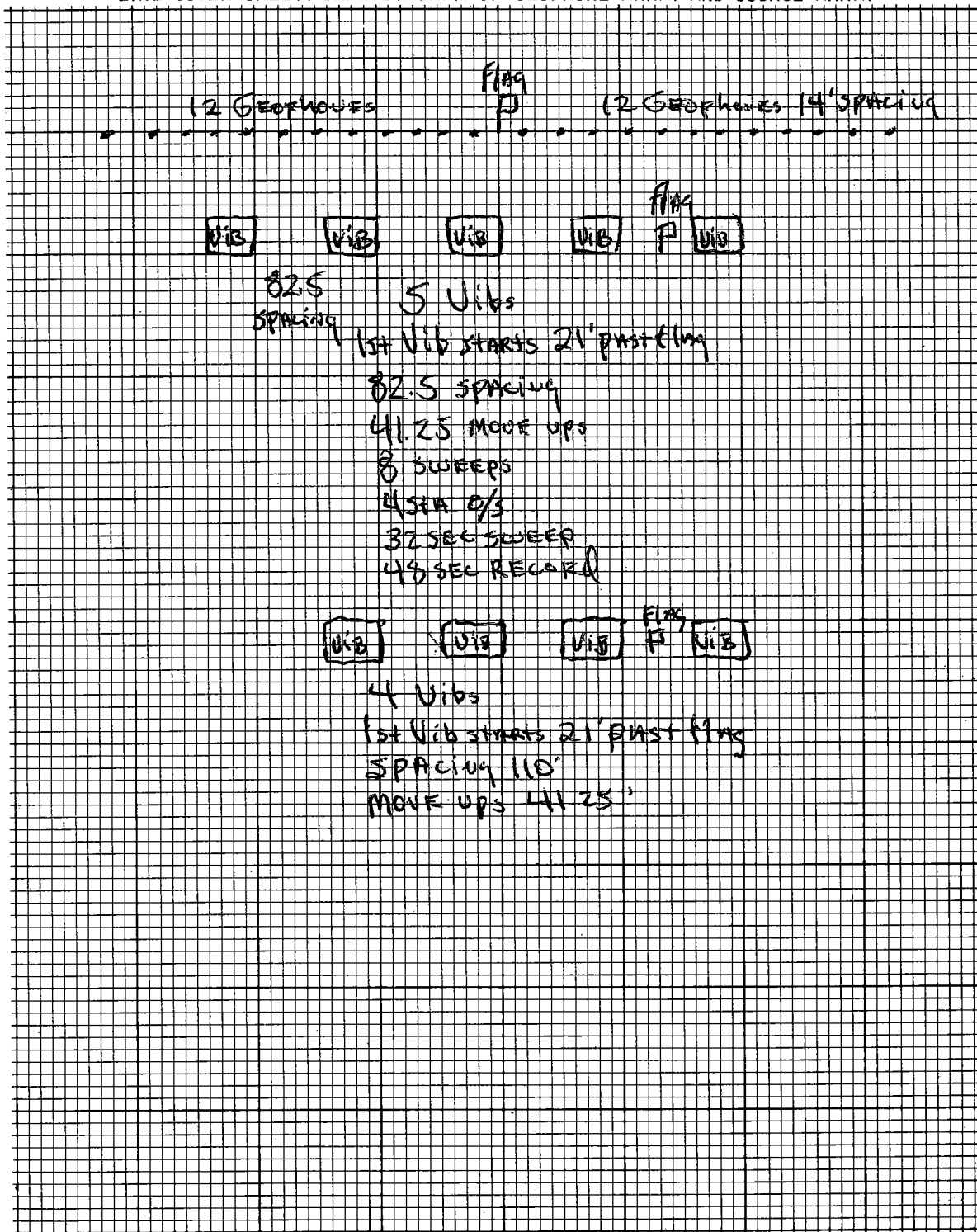
RECORDING SYSTEM	
Type:	<u>MDS-10</u>
Format:	<u>SEG-B</u>
No. of Channels:	<u>96</u>
Sample Rate:	<u>8.4ms</u>
Record Length:	<u>48 SEC</u>
BPI:	<u>800</u>
Low-Cut Filter	Freq: <u>OUT</u> Slope: <u>OUT</u>
High-Cut Filter	Freq: <u>ALIAS 31.25hz</u> Slope: <u>OUT</u>
Static Filter	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
Notch Filter	In <input checked="" type="checkbox"/> Out <input type="checkbox"/> <u>60 Hz</u>
UH Ch. On Tape	Wireline On Tape <u>N/A</u> Radio On Tape <u>N/A</u>
Sweep Ch. On Tape	<u>AUX 2 GALVO 50</u> <u>AUX 4 GALVO 52</u>

ENERGY SOURCE	
Type:	<u>V-1100 5 Vib</u>
Manufacturer:	<u>GEO. Failing</u>
Source Control:	<u>RCV 310</u>

Dynamite	Holes/Shotpoint:	<u>N/A</u>
	Charge/Shotpoint:	<u>N/A</u>
Pattern	Length:	<u>N/A</u> Feet Meters

Surface Source	Array Length:	<u>489'</u> Feet Meters
	No. of drops, sweeps, etc. in array:	<u>8 SWEEPS</u>
	Sweep Freq:	<u>10 → 32 hz</u>
	Sweep Length:	<u>32 sec</u>
	Unit Separation:	<u>82.5'</u> Feet Meters
	Unit Moveup:	<u>41.25'</u> Feet Meters
	Array Centered:	Across Sta <input checked="" type="checkbox"/> Between Sta <input type="checkbox"/>

LINE COVER SHEET: DRAW DIAGRAM OF GEOPHONE ARRAY AND SOURCE ARRAY



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes No Invalid Channels: