



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>Washington</u>	
Country <u>Washington</u>	
County <u>OKANOGAN</u>	
Concession <u>Washington</u>	
State <u>Washington</u>	
Party Mgr. <u>L. Davis</u>	OB/JO <u>R. Patton</u>
Line No. <u>2</u>	Date Start <u>7-30-84</u>
Sta. Int. <u>330'</u> Feet	Meters <u>99.0</u>
Spread Dimensions <u>1-31350</u>	<u>96' 99'</u>
VP's Increase	N <input type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>
	<u>W → E</u>

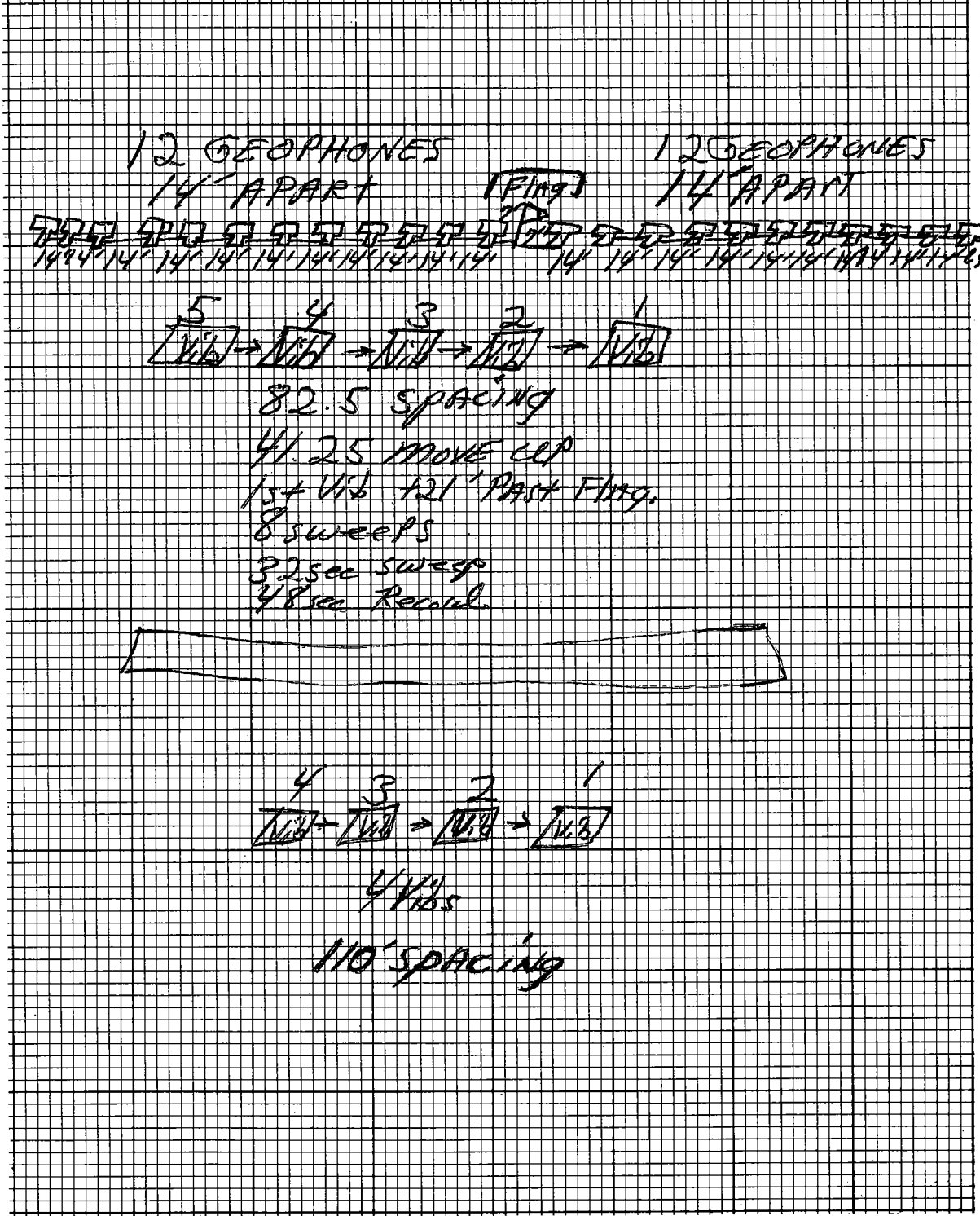
GEOPHONES	
Manufacture <u>MD 100's</u>	Array Length <u>322'</u>
Frequency <u>847</u>	Array Width <u>IN Line</u>
No. per string <u>2-12</u>	Array Across Between Sta
per trace <u>24 TOTAL</u>	Centered <input checked="" type="checkbox"/> <input type="checkbox"/>
Separation Ser <input type="checkbox"/> Par <input checked="" type="checkbox"/>	Coil Res. <u>335</u>
String Connected	String Phone
Connected at Sta Ser <input type="checkbox"/> Par <input checked="" type="checkbox"/>	Shunt Res. <input type="checkbox"/> <input type="checkbox"/>
	Separation between elements in the array <u>14.34'</u>
	<u>14'</u>

RECORDING SYSTEM	
Type:	<u>MDS-10</u>
Format:	<u>SEG B</u>
No. of Channels:	<u>96</u>
Sample Rate:	<u>8ms</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>AIN'S 31.25</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</u> Hz
UH Ch. On Tape	Wireline <u>N/A</u> Radio <u>N/A</u>
Sweep Ch. On Tape	<u>AUX 2 90200 30</u> <u>AUX 4 90200 52</u>

ENERGY SOURCE	
Type:	<u>Y 1100 Vibrators</u>
Manufacturer:	<u>George E 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>8 → 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: <input checked="" type="checkbox"/> <input type="checkbox"/>

REMARKS: Air Gun Delay, etc.  
 VARI SOURCE USED Yes  No  Invalid Channels:

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







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 Clear		TRAIL CONDITIONS Gravel Road		DATE MONTH 7 DAY 31 YEAR 84		CLIENT R. Patten		OP. P. Danna		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY	SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR						SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE				
933	Pulse		1	6	sec		259	48						4	8	50%	72	990			Washington, OKANOGAN CO.	
934/935	EINT		2	"	"																B.O.T #259, 900 10sec ALL ONES	
936/937	DRD		4	"	"																4 Vib, 110' spacing, 4.25 MOVE UP	
953/954	SUM TEST		2	"	"																1st Vib +21' Past FLAG, 8 sweeps	
960/961	NRS TEST		2	"	"																ARRIVE Field 8:00	
932	Similarity		1	32	sec	235								4		40%	9:15				32sec Record, 48sec Record, Alias 31.25	
039	Windstrip		1	48	sec	40															lots OF CATTLE Along line	
040	37	40	-	135		40															4ms sample RATE, Alias 62.5	
041	38	41	-	136		41															4	
042	39	42	-	137		42															50%	
043	40	43	-	138		43															50%	
044	41	44	-	139		44															50%	
045	42	45	-	140		45															50%	
046	43	46	-	141		46															50%	
047	44	47	-	142		47															50%	
048	45	48	-	143		48															50%	
049	46	49	-	144		49	259														50%	
050	47	50	-	145		35	260	WINDSTRIP													60% 87	
051	47	50	-	145		35															E.O.T #259, TAPE MKTS	
052	48	51	-	146		36															B.O.T #260, 900 10sec ALL ONES	
053	49	52	-	147		37															Recorder moved up AT 87.	
054	50	53	-	148		38															50%	
055	51	54	-	149		39															1	
056	52	55	-	150		40															50%	
057	53	56	-	151		41															1	
058	54	57	-	152		42															1	
059	55	58	-	153		43															1	
060	56	59	-	154		44															1	
061	57	60	-	155		45															1	
062	58	61	-	156		46															1	
063	59	62	-	157		47	260														1	
064	60	63	-	158		48	261	WINDSTRIP														1
																						60% 92

Recorder moved up AT STA #92  
 E.O.T #260 TAPE MKTS.  
 B.O.T #261, 900 10sec ALL ONES

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS gravel road		DATE MONTH 7 DAY 31 YEAR 84		CLIENT cbcorp		OB R. Patton		PM L. Dallas	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS of "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					
065	60	63	-	158	43	261	48									4	8	50%	92			990	
066	61	64	-	159	44													50%					
067	62	65	-	160	45													50%					
068	63	66	-	161	46													50%				3:15	

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE # 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear, gravel ROAD		TRAIL CONDITIONS		DATE MONTH 8 DAY 1 YEAR 84		CLIENT cocorp		OB. R. Patton		PM L. Davis			
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		261	48								4	8	50%	112	990'	WASHINGTON, OKMAGAN CO.				
934	FINH	2	-	11	"																4 Vib, 1st Vib +21' Past Flag,				
935	DRD	4	-	11	"																110' spacing, 41.25 move up				
936	SKM	2	-	11	"																Alias 31.25, 32sec sweep, 4 8sec				
937	SKM	2	-	11	"																ARRIVE Field 8:00	Records, 8 sweeps,			
938	NRS	2	-	11	"																NOTE: crew HAD to stand				
932	similarity	1	-	32	sec	235										4	1	40%		9:50	BY For thunder storm to PASS				
069	Wind strip	1	-	4	8sec	27															4ms sample RATE, Alias 62.5	OVER lots of cattle along line.			
070	64	67	-	162		27										4	8	50%		10:50	Vib #23652 downg Broken PAD				
071	65	68	-	163		28														11:45	Bolts in shaker leg.				
072	66	69	-	164		29															50%	NOTE: crew is standing BY			
073	67	70	-	165		30															50%	Due to more thunder storm			
074	68	71	-	166		31	261														50%	moving in AREA. E.O.T #261, t.M.			
075	69	72	-	167		32	262	windstrip													60%	B.O.T #262, 900 10sec ALLOWES.			
076	69	72	-	167		32	262														50%				
077	70	73	-	168		33															50%				
078	71	74	-	169		34															50%				
079	72	75	-	170		35															50%				
080	73	76	-	171		36															50%				
081	74	77	-	172		37															50%	3:15	more thunder moving into		
																							AREA, picking up - Lightning		
																							stopping for the DAY.		

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy-wet		TRAIL CONDITIONS Gravel Road		DATE MONTH 8 DAY 2 YEAR 84		CLIENT COCORP		OB R. Patton		PM L. Davis		
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		262	48							4	8	50%	131	990'	Washington, OKANOGAN				
934/935	EINT	2	-	"	"															5 Vib, 1st Vib 21' Past Flag				
936/939	DRD	4	-	"	"															82.5 spacing, 8 sweeps.				
953/954	SCM TEST	2	-	"	"															4 Vib, 1st Vib 21' Past Flag, 41.25				
960/961	NRT TEST	2	-	"	"															ARRIVE Field 8:00				
932	Similarity	1	-	32	sec	235								4	1	40%		8:45		move up, 110' spacing, Alias 31.25				
082	Windstrip	1	-	48	sec	19			4ms	SAMPLE RATE, Alias 62.5											32sec sweep, 48sec Record.			
083	75 78	-	173		19									4		50%		9:50		lots of cattle along line				
SKIP	76 79	-	174		20											50%				Vib #23652 Down, working on pad.				
084	77 80	-	175	-	21				1							50%				Due to Vib Not Receiving traces				
085	78 81	-	176		22	262										50%				E.O.T #262, TAPE MKTS				
086	79 82	-	177		23	263	Windstrip									60%				B.O.T #263, 900 10sec ALLOWES				
087	79 82	-	177		23											50%								
088	80 83	-	178		24											50%								
089	81 84	-	179		25											50%								
090	82 85	-	180		26											50%								
091	83 86	-	181		27											50%								
092	84 87	-	182		28											50%								
093	85 88	-	183		29											50%								
094	86 89	-	184		30											50%								
095	87 90	-	185		31											50%								
096	88 91	-	186		32											50%								
097	89 92	-	187		33											50%								
098	90 93	-	188		34											50%								
099	91 94	-	188		35	263			1							50%				BLAST ON Sweep #2, File #098.				
100	92 95	-	190		36	264	Windstrip									60%				E.O.T #263, TAPE MKTS				
101	92 95	-	190		36											50%				B.O.T #264, 900 10sec ALLOWES				
102	93 96	-	191		37											50%								
103	94 97	-	192		38											50%								
104	95 98	-	193		39											50%								
105	96 99	-	194		40											50%								
106	97 100	-	195		41											50%								

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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CREW NO. 6834		LINE #2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Cloudy		TRAIL CONDITIONS GRAVEL ROAD		DATE MONTH 8 DAY 2 YEAR 84		CLIENT COURT		OB. R. PATTON		PM 2 PAULS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS of "K"	PARITY TAPE	MEMORY Missed sweeps	SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR						SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
107	98	101	-	196	42	264	48							4	8	50%	131						
108	99	102	-	197	43											50%							
109	100	103	-	198	44											50%							
110	101	104	-	199	45											50%							
111	102	105	-	200	46											50%							
112	103	106	-	201	47											50%							
113	104	107	-	202	48	264										50%							
114	105	108	-	203	20	265	windstrip									20%	160						E.O.T #264, TAPE MKTS B.O.T #265, 900 10sec ALLOWES Recorder moved up AT #160
115	105	108	-	203	20											50%							
116	106	109	-	204	21											50%							
117	107	110	-	205	22											50%							
118	108	111	-	206	23											50%							
119	109	112	-	207	24											50%							
120	110	113	-	208	25											50%							
121	111	114	-	209	26											50%							
122	112	115	-	210	27											50%							
123	113	116	-	211	28											50%							
124	114	117	-	212	29											50%							
125	115	118	-	213	30											50%							
126	116	119	-	214	31											50%							
127	117	120	-	215	32	265										50%							
128	118	121	-	216	33	266	windstrip									60%							E.O.T #265, TAPE MKTS B.O.T #266, 900 10sec ALLOWES
129	118	121	-	216	33											50%							
130	119	122	-	217	34											30%							Due to A trailer
131	120	123	-	218	35											50%							
132	121	124	-	219	36											50%							5:15



# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly Cloudy		TRAIL CONDITIONS Gravel Road		DATE MONTH 8 DAY 6 YEAR 84		CLIENT COCORP		OB R. Patten		PM L. Dallis	
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					
159	145	148	-	243	39	268	48							5	8	50%	181	990					
160	146	149	-	244	40											50%							
161	147	150	-	245	41											50%							
162	148	151	-	246	42											50%							
163	149	152	-	247	43											50%							
164	150	153	-	248	44											50%							
165	151	154	-	249	45											50%							
166	152	155	-	250	46	268										50%							
167	153	156	-	251	32	269	windstrip									60%	196					E.O.T #268, TAPE MKTS.	
168	153	156	-	251	32											50%						B.O.T #269, 900 10sec ALLOWES	
169	154	157	-	252	33											50%						Recorder moved up at STA #196	
170	155	158	-	253	34											50%							
171	156	159	-	254	35											50%							
172	157	160	-	255	36											50%							
173	158	161	-	256	37											50%							
174	159	162	-	257	38											50%							
175	160	163	-	258	39											50%							
176	161	164	-	259	40											50%							
177	162	165	-	260	41											50%							
178	163	166	-	261	42											50%							
179	164	167	-	262	43											50%							
180	165	168	-	263	44	269										50%						E.O.T #269, TAPE MKTS	
181	166	169	-	264	45	270	windstrip									60%						B.O.T #270, 900 10sec ALLOWES	
182	166	169	-	264	45											50%							
183	167	170	-	265	46											50%							
184	168	171	-	266	47											50%						5:00	

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 2	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Cloudy	TRAIL CONDITIONS Gravel Road	DATE MONTH 8 DAY 7 YEAR 84	CLIENT COCORP	OB R. Patton	PM L. Dalko										
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	270	48									5	8	50%	223	990	WASHINGTON, OKANOGAN
934/935	EINT		2	-	"	"																5 Vib 1st Vib 21' PAST FLAG
936/939	DRD		4	-	"	"																82.5 spacing, 41.25 move up
953/954	Sum Test		2	-	"	"																32sec sweep, 48sec Record.
960/961	NRT Test		2	-	"	"																ACTIVE Field 8.15
932	Similarity		1	-	32	sec	236										5		40%	9:00		lots of cattle along line
185	wind strip		1	-	48	sec	21															STA#206 OPEN, DUE TO WATER STEAM
186	169	172	-	267	21																	4ms sample RATE, Alias 62.5
187	170	173	-	268	22																	60%
188	171	174	-	269	23																	50%
189	172	175	-	270	24																	50%
190	173	176	-	271	25																	30%
191	174	177	-	272	26	270																30%
192	175	178	-	273	27	271	wind strip															60%
193	175	178	-	273	27																	50%
194	176	179	-	274	28																	50%
195	177	180	-	275	29																	50%
196	178	181	-	276	30																	50%
197	179	182	-	277	31																	50%
198	180	183	-	278	32																	50%
199	181	184	-	279	33																	50%
200	182	185	-	280	34																	50%
201	183	186	-	281	35																	50%
202	184	187	-	282	36																	50%
203	185	188	-	283	37																	50%
204	186	189	-	284	38																	50%
205	187	190	-	285	39	271																50%
206	188	191	-	286	40	272	wind strip															60%
207	188	191	-	286	40																	50%
208	189	192	-	287	41																	50%
209	190	193	-	288	42																	50%
210	191	194	-	289	43																	50%

E.O.T#271, TAPE MKTS  
B.O.T#272, 900 10sec ALL ONES

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE # 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER cloudy		TRAIL CONDITIONS Gravel road		DATE MONTH 8 DAY 7 YEAR 84		CLIENT EOCORP		OB R. PATTON		PM L. DAVIS	
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					
211	192	195	-	290	44	272	48								5	8	50%	223	990'				
212	193	196	-	291	45												50%						
213	194	197	-	292	46												50%						
214	195	198	-	293	47												50%						
215	196	199	-	294	48												50%						
216	197	200	-	295	49	272											50%						
217	198	201	-	296	29	273											60%	244				E.O. #272, TAPE MKTS	
218	198	201	-	296	29												50%					B.O. #273, 900 10sec ALLOWES.	
219	199	202	-	297	30												50%					Recorder moved up at STA #244	
220	200	203	-	298	31												50%						
221	201	204	-	299	32												50%						
222	202	205	-	300	33												50%						
223	203	206	-	301	34												50%						
224	204	207	-	302	35												50%						
225	205	208	-	303	36												50%						
226	206	209	-	304	37												50%						
227	207	210	-	305	38												50%						
228	208	211	-	306	39												50%						
229	209	212	-	307	40												50%						
230	210	213	-	308	41	273											50%					men working around STA# 308 + 309	
231	211	214	-	309	42	274											60%					E.O. #273, TAPE MKTS.	
232	211	214	-	309	42												50%					B.O. #274, 900 10sec ALLOWES.	
233	212	215	-	310	43												50%						
234	213	216	-	311	44												50%						
235	214	217	-	312	45												50%					4:45	

**OBSERVER REPORT PETTY-RAY GEOPHYSICAL**

CREW NO. 683		LINE #2		LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Clear	TRAIL CONDITIONS Gravel	DATE MONTH 8 DAY 8 YEAR 84	CLIENT cocop	OB. R. Patten	PM J. Davis									
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		274	48	Missed Sweep										280	990'		Washington, ORANONAN CO.
935	EINT	2	-	"	"																	5 Vib, 1st Vib starts 21' past Flag
939	D.R.D	4	-	"	"																	82.5' spacing, 41.25' move ups.
953	sum	2	-	"	"																	ARRIVE Field 8:20
961	N.R.J	2	-	"	"																	32 sec sweep, 48 sec Record, Alais 31+25.
932	similarity	1	-	32	sec	236								5	1	40%					9:15	STA * 256 has water Fall Beside IT.
236	WINDSTRIP	1	-	48	sec	10			4 ms sample RATE, 62.5 Alais													Cable Crossing Hwy AT 252-253 + - 323 + 324.
237	215	218	-	313		10								5	8	50%					10:00	LOT OF CATTLE ALONG BACK OF LINE.
238	216	219	-	314		11										50%						
239	217	220	-	315		12										50%						
240	218	221	-	316		13										50%						
241	219	222	-	317		14	274									50%						
242	220	223	-	318		15	275		windstrip							60db						
243	220	223	-	318		15										50%						
244	221	224	-	319		16										50%						
245	222	225	-	320		17										50%						
246	223	226	-	321		18										50%						
247	224	227	-	322		19										50%						
248	225	228	-	323		20										50%						
249	226	229	-	324		21										50%						
250	227	230	-	325		22										30%						
251	228	231	-	326		23										30%						
SKIP	229	232	-	327		24										SKIP						
252	230	233	-	328		25										30%						
253	231	234	-	329		26										30%						
254	232	235	-	330		27										50%						
255	233	236	-	331		28	275									50%						
256	234	237	-	332		29	276		windstrip							60db						
257	234	237	-	332		29										50%						
258	235	238	-	333		30										50%						
259	236	239	-	334		31										50%						
260	237	240	-	335		32										50%						

Stacked 1st Half.  
Due to shed.

EOT \* 275 Tape MKTs.  
BOT \* 276 \* 900 10 sec All ones.

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 Clear		TRAIL CONDITIONS Gravel Road		DATE MONTH 8 DAY 8 YEAR 84		CLIENT CDCORP		OB R. Patton		PM L. Dallis	
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					
261	238	241	-	336	33	276	48								5	8	50%	280		990'	From *332 - 336 Tractor working.		
262	239	242	-	337	34												50%						
263	240	243	-	338	35												50%						
264	241	244	-	339	36												50%						
265	242	245	-	340	37												50%						
266	243	246	-	341	38												50%	292			moved Recorder TO 292-293.		
267	244	247	-	342	27												50%						
268	245	248	-	343	28												50%						
269	246	249	-	344	29	276											50%				EOT # 276 Tape MKTs.		
270	247	250	-	345	30	277											60%				BOT # 277 *900 msec All ones		
271	247	250	-	345	30												50%						
272	248	251	-	346	31												30%				Drive test.		
273	248	251	-	346	31												50%				Drive Test.		
274	248	251	-	346	31												70%				Drive TEST, Blast on sweep # 7.		
275	249	252	-	347	32									5	4	30%					Drive TEST, move ups 8215'.		
276	249	252	-	347	32												50%				Drive TEST.		
277	249	252	-	347	32												70%				Drive TEST		
278	250	253	-	348	33									5	8	30%					Back to Normal operation.		
279	251	254	-	349	34												50%						
280	252	255	-	350	35	277											50%	5:00			Stacked 1st HALF. EOT *277 Tape MKTs.		



OBSERVER REPORT PETTY-RAY GEOPHYSICAL

15

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER Clear.	TRAIL CONDITIONS Black Top	DATE MONTH 8	DAY 9	YEAR 84	CLIENT Cocopp	OP R. Patton	PM L. Dallas							
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				
304	279	282	-	377	48	279	48										4	4	302	306	990	4 sweeps only stacked last half.
305	280	283	-	378	49	279											4	8	302			EOT # 279 tape mts.
306	281	284	-	379	12	280			Windstrip										600	344		BOT # 280 *900 10 sec All ones
307	281	284	-	379	12														302			Moved Recorder to 344-345
308	282	285	-	380	13														302			
309	283	286	-	381	14														302			
310	284	287	-	382	15														302			
311	285	288	-	383	16														302			
312	286	289	-	384	17														302			
313	287	290	-	385	18														302			
314	288	291	-	386	19														302			
SKIP	289	292	-	387	20														SKIP			Due to House
SKIP	290	293	-	388	21														SKIP			" " "
315	291	294	-	389	22														302			Stacked Last Half
316	292	295	-	390	23														302			
317	293	296	-	391	24														302			
318	294	297	-	392	25														302			
319	295	298	-	393	26	280													302			EOT # 280 Tape mts.
320	296	299	-	394	27	281			Windstrip										600			BOT # 281 *900 10 sec All ones.
321	296	299	-	394	27														302			
322	297	300	-	395	28												5	8	302			Vib # 17.311 Back on line.
323	298	301	-	396	29														302			stacked 1st Half.
SKIP	299	302	-	397	30														SKIP			From 299 - 301 Due to Houses.
324	302	305	-	400	33														302			5:00

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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	OP	PM								
6834	2	7:00				cloudy	Black Top	8	10	84	COCORP	R. Patten	L. Davis								
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN	PARITY	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
933	Pulse	1	-	6	sec		281	48									377	990		Washington, Ferry Co.	
934/935	FINT	2	-	"	"															4 Vib's, 1st Vib starts 21' Past Flag, 110' Spacing, 41.25 MOVE UP	
936/939	DRD	4	-	"	"															32sec sweep, 48sec Record, Alias	
953/954	Sum TEST	2	-	"	"									ARRIVE Field		8:40				31.25, Sweep Freq 8-32 Hz	
960/961	NRS TEST	2	-	"	"															Vib # 17311 Down, Leak on servo Valve.	
932	Similarity	1	-	32	sec	235															
325	windstrip	1	-	48	sec	1														4ms Sample Rate Alias 62.5	
326	303	306	-	401		1															4ms Sample Rate Alias 62.5
327	304	307	-	402		2															4ms Sample Rate Alias 62.5
328	305	308	-	403		3															4ms Sample Rate Alias 62.5
329	306	309	-	404		4															4ms Sample Rate Alias 62.5
SKIP	307	310	-	405		5															4ms Sample Rate Alias 62.5
SKIP	308	311	-	406		6															4ms Sample Rate Alias 62.5
SKIP	309	312	-	407		7															4ms Sample Rate Alias 62.5
330	310	313	-	408		8	281														4ms Sample Rate Alias 62.5
331	311	314	-	409		9	282	windstrip													4ms Sample Rate Alias 62.5
332	311	314	-	409		9															4ms Sample Rate Alias 62.5
333	312	315	-	410		10															4ms Sample Rate Alias 62.5
SKIP	313	316	-	411		11															4ms Sample Rate Alias 62.5
334	314	317	-	412		12															4ms Sample Rate Alias 62.5
335	315	318	-	413		13															4ms Sample Rate Alias 62.5
336	316	319	-	414		14															4ms Sample Rate Alias 62.5
337	317	320	-	415		15															4ms Sample Rate Alias 62.5
338	318	321	-	416		16															4ms Sample Rate Alias 62.5
339	319	322	-	417		17															4ms Sample Rate Alias 62.5
340	320	323	-	418		18															4ms Sample Rate Alias 62.5
341	321	324	-	419		19															4ms Sample Rate Alias 62.5
342	322	325	-	420		20															4ms Sample Rate Alias 62.5
SKIP	323	326	-	421		21															4ms Sample Rate Alias 62.5
343	326	329	-	424		24															4ms Sample Rate Alias 62.5
SKIP	327	330	-	425		25															4ms Sample Rate Alias 62.5
344	328	331	-	426		26	282														4ms Sample Rate Alias 62.5

From #323-325 Due to Houses.

Due to Bridge

Stacked last HALF. EOT # 282 Tape MKTs.

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 Clear		TRAIL CONDITIONS DIRT Road		DATE MONTH 8 DAY 10 YEAR 84		CLIENT COCOPE		OB R. Patten		PM L. Davis		
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						
345	329	332	-	427	27	283	48																	
346	329	332	-	427	27																			
347	330	333	-	428	28																			
348	331	334	-	429	29																			
349	332	335	-	430	30																			
350	333	336	-	431	31																			
351	334	337	-	432	32																			
352	335	338	-	433	33																			
353	336	339	-	434	34																			
354	337	340	-	435	35																			
355	338	341	-	436	36																			
356	339	342	-	437	37	283																		

windstrip

5 8

600 377 990 BOT # 283 \* 900 10 sec All ones  
Uibs NOW ON DIRT ROAD.

LOW DRIVE, DUE TO A BARN.

BACK IN High DRIVE.

4:15

EOT # 283 TAPE MKTS

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Dirt Road		DATE MONTH 8 DAY 11 YEAR 84		CLIENT Cocorp		OB R. Patton		PM L. Davis		
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	284	48																Washington, Ferry CO.
934/935	EINT		2	-	"	"																		BOT # 284 # 900 10 sec All ones.
936/939	DRD		4	-	"	"																		4 Vib, 1st Vib starts 21' past Flag
953/954	Sum rest		2	-	"	"																		110' spacing, 41.25' move ups, 32 sec sweep, 48 sec Record, Akais 31.25Hz
960/961	NRT Test		2	-	"	"																		ARRIVE Field 8:45 Sweep Freq 8 → 32Hz.
932	similarity		1	-	32	sec	235																	Vib # 17311 Down, Leak on servo valve.
357	windstrip		1	-	48	sec	3																	4 ms sample Rate Akais 62.5
358	340	343	-	438		3																		60db
359	341	344	-	439		4																		50%
360	342	345	-	440		5																		50%
361	343	346	-	441		6																		50%
362	344	347	-	442		7																		50%
363	345	348	-	443		8																		50%
364	346	349	-	444		9																		50%
365	347	350	-	445		10																		50%
SKIP	348	351	-	446		11																		SKIP
366	349	352	-	447		12																		Due to House.
367	350	353	-	448		13	284																	50%
SKIP	351	354	-	449		14	SKIP																	50%
368	352	355	-	450		15	285	windstrip																SKIP
369	352	355	-	450		15																		60db
370	353	356	-	451		16																		50%
	354	357	-	452		17																		50%
																								12:45 Vib # 23651 Down.







OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6831		LINE #2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER clear, Gravel Road		TRAIL CONDITIONS		DATE MONTH 8 DAY 14 YEAR 84		CLIENT EG&G		OB R. P. PERRY		PM L. Davis	
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					
441	456	384	453	459	479	2	290	48							4	8	50%	454	990'				Washington, Ferry Co.
442	458	384	455	461	479	2											50%						
443	459	384	456	462	479	2											50%						
444	461	384	458	464	479	2											50%						
445	463	384	460	466	479	2	290										50%						E.O.T #290, TAPE MKTS.
446	465	384	462	468	479	2	291	windstrip									60%						B.O.T #291, 900 10sec ALLOWES
447	465	384	462	468	479	2											50%						Vibs ARE MOVING TO OTHER SIDE
448	483	385	-	479		2											30%						OF TOWN, WILL START ON STA #483
449	484	386	-	479		2											30%						Vibs will Pull FROM 483 TO 530.
450	485	387	-	479		2											30%						C. D. P will STAY the SAME.
451	486	388	-	479		2											30%						
452	487	389	-	479		2											30%						
453	488	390	-	479		2											30%						
454	489	391	-	479		2											30%						
455	490	392	-	479		2											30%						
456	491	393	-	479		2										4	30%						4 sweeps ONLY
SKIP	492	394	-	479		2											SKIP						From 492 - 498 SKIP Due TO Houses.
457	498	400	-	479		2										8	30%						Stacked Last HALF
458	499	401	-	479		2											30%						
459	500	402	-	479		2	291										30%	4:45					EOT # 291 TAPE MKTS.

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE #2		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Clear		TRAIL CONDITIONS Gravel Road		DATE MONTH 8 DAY 15 YEAR 84		CLIENT COCORP		OB R. Patton		PM L. Davis	
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		292	48															Washington, Ferry Co.
934	EINT	2	-	"	"																		4 Vib's, 1st Vib starts 21' Past Flag, 110' spacing, 41.25 move up
935	D.R.D	4	-	"	"																		3.2 sec sweep, 48 sec Record.
936	SWM	2	-	"	"																		Alias 31.25, 8 > 32 Hz sweep Flex
937	Test	2	-	"	"																		STA #477 OPEN, Due to a Bridge
938	N.R.J	2	-	"	"																		STA #477 OPEN, Due to a Bridge
932	Similarity	1	-	32	sec	235																	Vibs will Pull to STA #530.
460	WINDstrip	1	-	48	sec	10																	4ms sample RATE, Alias 62.5
461	501	403	-	479		10																	C.D.P will stay the same.
462	502	404	-	479		10																	Vib #17311 Down,
463	503	405	-	479		10																	
464	504	406	-	479		10																	
465	505	407	-	479		10																	
466	506	408	-	479		10																	
467	507	409	-	479		10																	
468	508	410	-	479		10																	
469	513	415	-	479		10																	
470	514	416	-	479		10	292																From STA #509 to 512 SKIP, Due to Houses.
471	515	417	-	479		10	293	WINDstrip															E.O. #292, TAPE MKTS
472	515	417	-	479		10																	B.O. #293, 900 msec ALLOWES.
473	516	418	-	479		10																	
474	517	419	-	479		10																	
475	518	420	-	479		10																	
476	519	421	-	479		10																	
477	520	422	-	479		10																	
478	523	425	-	479		10																	
479	524	426	-	479		10																	
480	525	427	-	479		10																	
481	526	428	-	479		10																	
482	527	429	-	479		10																	
483	528	430	-	479		10																	
484	529	431	-	479		10																	
485	530	432	-	479		10	293																

→ NOTE: After shooting V.I.P. #530 will be picking up line, and moving to other side of town.







# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 0834		LINE NO. 2		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR		TERRAIN CONDITIONS Blue Top		DATE MONTH 8 DAY 17 YEAR 84		CLIENT EXORP		OP R. Patton		PM L. Davis		
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						
534	542	545	-	640		23	298	48								4	8	30%	594				990	
535	543	546	-	641		24												30%						
536	544	547	-	642		25												30%						
537	545	548	-	643		26												30%						
538	546	549	-	644		27												30%						
539	547	550	-	645		28	298											30%				3:20.		E.O.T #298, tape mkts.
<p>NOTE: Due to erasing data on tape, we had to reshoot these stations. We had already picked up flags and phones from 545 to 554, therefore, those stations are open.</p>																								





OBSERVER REPORT PETTY-RAY GEOPHYSICAL

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								
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	MEMORY Missed Sweeps	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR					SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE				
933	Pulse		1	-	6	sec	301	48							4	8	30%	594	990		Washington, Ferry Co.
934/935	FiNT		2	-	"	"															4 Vib, 1st Vib start 21' Past Flag, 110' spacing, 41.25 move up.
936/939	DRD		4	-	"	"															32sec Sweep, 48sec Record
953/954	Sum Test		2	-	"	"															ARRIVE Field 9:00 Alias 31.25, 8 sweeps.
960/961	NRS Test		2	-	"	"															
932	Similarity		1	-	32	sec									4	1	30%		10:10		Shoot through the spread
572	Wind strip		1	-	48	sec				4ms Sample RATE, Alias 62-5							60%				3 STA OFFSET either SIDE OF Vib
573	601	555	598	604	650	33									4	8	30%		10:40		Will shoot every STA From 601 to 611.
574	602	555	599	605	650	33											30%				
575	603	555	600	606	650	33	301										30%				E.O.T #301, TAPE MKTS.
576	604	555	601	607	650	33	302	Wind strip									60%				B.O. #302, 900 msec All ones
577	604	555	601	607	650	33											30%				
578	605	555	602	608	650	33											30%				
579	606	555	603	609	650	33											30%				
580	607	555	604	610	650	33											30%				
581	608	555	605	611	650	33											30%				
582	609	555	606	612	650	33											30%				
583	610	555	607	613	650	33											30%				
584	611	555	608	614	650	33											30%				
585	638	555	635	641	650	33											50%	(50% Drive)			Vib moved UP to STA #638 and will shake every STA # to 650.
586	639	555	636	642	650	33											50%				
587	640	555	637	643	650	33											50%				
588	641	555	638	644	650	33											50%				
589	642	555	639	645	650	33	302										50%				E.O.T #302 Tape MKTS.
590	643	555	640	646	650	33	303	Wind strip									60%				B.O. #303 #900 10sec All ones
591	643	555	640	646	650	33											50%				
592	644	555	641	647	650	33											50%				
593	645	555	642	648	650	33											50%				
594	646	555	643	649	650	33											50%				
595	647	555	644	650	650	33											50%				
596	648	555	645			33											50%				
597	649	555	646			33											50%				
598	650	555	647			33	303			E.O.T #303, TAPE MKTS							50%		2:20		crew will be picking up line and moving to line #3.