

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

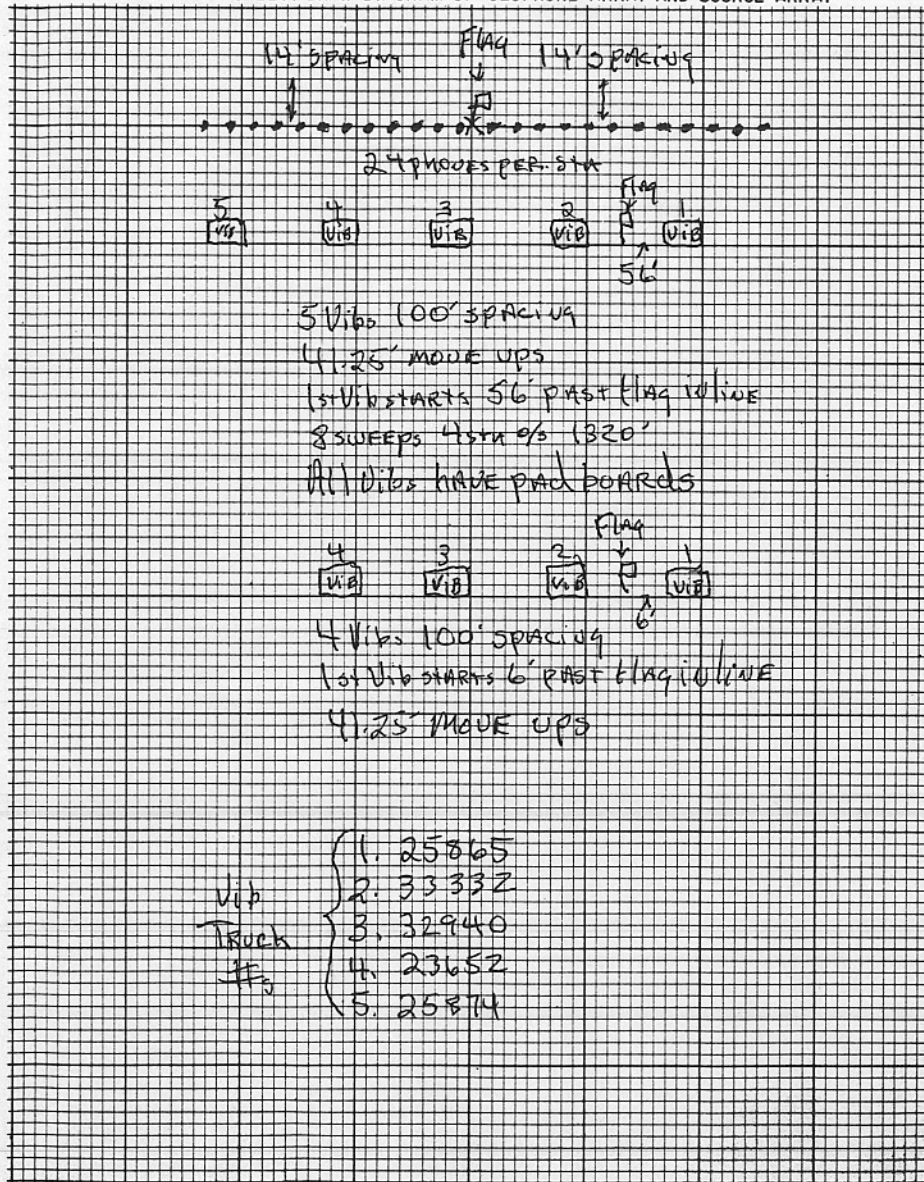
GENERAL	
Crew No. <u>6834</u>	Contract No. <u>799</u>
Client <u>COCORP</u>	
Area <u>Az</u>	
Country <u>Az</u>	
County <u>Navajo</u>	
Concession <u>NAVAJO</u>	
State <u>Az</u>	
Party Mgr. <u>BENJAMIN</u>	FOREMAN <u>OBNO MOORE</u>
Line No. <u>6</u>	Date Start of Line <u>4-9-86</u>
Sta. Int. <u>330'</u>	Feet <u>330</u> Meters <u>100</u> Fold <u>48%</u>
Spread Dimensions <u>1-31350'</u>	
VP's Increase	N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>

GEOPHONES	
Manufacture <u>2-100</u>	Array Length <u>322</u>
Frequency <u>8hz</u>	Array Width <u>1/2 LINE</u>
No. per string per trace <u>20</u>	Array Across Between Stn Centered <input checked="" type="checkbox"/> <input type="checkbox"/>
<u>24 MOSES PER STA</u>	
Separation String Connected <input type="checkbox"/> <input checked="" type="checkbox"/>	Coil Res. String Phone <input checked="" type="checkbox"/> <input type="checkbox"/>
Connected at Sta <input checked="" type="checkbox"/> <input type="checkbox"/>	Separation between elements in the array <u>14.34'</u>

RECORDING SYSTEM	
Type: <u>MDS-10</u>	
Format: <u>SEQ-B</u>	
No. of Channels: <u>96</u>	
Sample Rate: <u>4ms</u>	
Record Length: <u>4.2 SEC</u>	
Rate: <u>1600</u>	
Out Freq: <u>0.4</u>	
Slope: <u>0.4</u>	
In-Cut Freq: <u>62.5hz</u>	
Slope:	
Static Filter <input checked="" type="checkbox"/> In <input type="checkbox"/> Out	
Notch Filter <input checked="" type="checkbox"/> In <input type="checkbox"/> Out	
Lab Hz	
UH Ch. On Tape <u>N/A</u>	Wireline On Tape <u>N/A</u>
Sweep Ch. On Tape <u>N/A</u>	Tape <u>N/A</u>
Sweep Ch. On Tape <u>N/A</u>	On Tape <u>N/A</u>

ENERGY SOURCE	
Type: <u>5 V-1100</u>	
Manufacture: <u>FARING</u>	
Source: <u>RCV-310</u>	
Antenna: <u>N/A</u>	
Length: <u>N/A</u>	Feet <u>N/A</u> Meters <u>N/A</u>
Array Length: <u>489'</u>	Feet <u>489</u> Meters <u>150</u>
No. of drops, sweeps, etc. in a: <u>8 SWEEPS</u>	
Sweep Freq: <u>12748hz</u>	
Sweep Length: <u>26 SEC</u>	
Unit Separation: <u>100'</u>	Feet <u>100</u> Meters <u>30</u>
Unit Movement: <u>41.25'</u>	Feet <u>41.25</u> Meters <u>12.5</u>
Array Centered: <input checked="" type="checkbox"/> Across <input type="checkbox"/> Between	Stn <input checked="" type="checkbox"/> 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

# 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 FOREMAN	PM								
6834	6	7:00				CLEAR 100c	SHOULDER	4	9	86	COCORP	Moore	Binns								
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				
1		WIND	TEST			1	447	48										76/77	10:45	4	5VIBS 100' SPALING 41.25 MOVE UP
2	1	5			100	1													7:30		IN LINE 8 SWEETS 1st VIB 56' PAST FRAG
3	2	6			101	2															12-18 SWEEP FREQ 26 SEC SWEEP
4	3	7			102	3															42 SEC RECORD LENGTH 4MS SAMPLE RATE
5	4	8			103	4			1												62.5HZ ALIAS FREQ VIBS ON SHOULDER
6	5	9			104	5															NOISE DUE TO TRAFFIC ON HWY 87
7	6	10			105	6															NO DAILY TESTS ON TAPE MONTHLYS RUN AND SENT TO HOUSTON QC
8	7	11			106	7			2												
9	8	12			107	8															
10	9	13			108	9															
11	10	14			109	10															
12	11	15			110	11															
13	12	16			111	12															
14	13	17			112	13															
15	14	18			113	14															
16	15	19			114	15	447														
17	16	20			115	16	448														EOT # 147 TAPE MARKS
18	17	21			116	17															
19	18	22			117	18															
20	19	23			118	19															
21	20	24			119	20															
22	21	25			120	21															
23	22	26			121	22															
24	23	27			122	23															
25	24	28			123	24															
26	25	29			124	25															
27	26	30			125	26															
28	27	31			126	27															
29	28	32			127	28															
30	29	33			128	29															
31	30	34			129	30															
32	31	35			130	31	448														
										E.O.T. # 448 TAPE MARKS				50%		Wind & last!!! OR SOWIC 600M					

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. C		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS SHOULDER		DATE MONTH 4 DAY 9 YEAR 86		CLIENT COCORP		QB FOLLMAN/MOORE		PM BINKS	
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					
33	32	36			131	32	449	48								5	8	50%	76/77	4			ARIZONA NAVAJO BOT # 449
34	33	37			132	33												50%					
35	34	38			133	34												50%					
36		WIND STRIP				35												60db					
37	35	39			134	35												50%					
38	36	40			135	36												50%					
39	37	41			136	37												50%					
40	38	42			137	38												50%					
41	39	43			138	39												50%					
42	40	44			139	40												50%					
43	41	45			140	41												50%					
44	42	46			141	42												50%					
45	43	47			142	43												50%					
46	44	48			143	44												50%					
47	43	47			142	43												50%					<del>SUMMED MANTELLA ONLY</del>
48	44	48			143	44	449											50%		4:15			SUMMED MANTELLA ONLY

## 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	B.I.M.							
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				
900	ALL ONES					1-6 SEC	450	48	MISSED SWEEP	BOT REEL # 450			5	8				120/121	4	ARIZONA NAVAJO	5 VIBS 100' SPACING- 1ST VIB 50' PAST
933	PULSE					1-6 SEC				ACTIVE FIELD									230		IN LINE 8 SWEEPS 41.25' MOVE
934/935	EINT					2-6 SEC															12-48 HZ SWEEP FREQ 26 SEC SWEEP
936/939	DRD					4-6 SEC															42 SEC RECORD LENGTH 4 MS SAMPLE
953/959	SUM					2-6 SEC															62.5 HZ ALIAS FREQ VIBS ON SHOULDER
960/961	NRT					2-6 SEC															NOISE DUE TO TRAFFIC ON ARIZ HWY 87
932	SIMILACITY					1-27 SEC				SIMILACITY TAKEN WITH CAMERA AT VIBS								30%			
49	WIND TEST	STCLIP				1															
50	45	49				144	1														60%
51	46	50				145	2														50%
52	47	51				146	3														50%
53	48	52				147	4														50%
54	49	53				148	5														50%
55	50	54				149	6														50%
56	51	55				150	7														50%
57	52	56				151	8														50%
58	53	57				152	9														50%
59	54	58				153	10														50%
60	55	59				154	11														50%
61	56	60				155	12														50%
62	57	61				156	13														50%
63	58	62				157	14			450											50%
64	59	63				158	15			451											50%
65	60	64				159	16														50%
66	61	65				160	17														50%
SKIP	62																				SKIP
67	63	67				162	1														60%
68	64	68				163	2														138/139
69	65	69				164	3														50%
70	66	70				165	4														50%
71	67	71				166	5														50%
72	68	72				167	6														50%

EOT # 450 TAPE MARKS

BOT # 451

SKIPPED DUE TO DEEP SAND

NEW RECORDER SETUP

## 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	JOB FOREMAN	PM									
6834	6	7:00				Clear Cool	SHOULDER	4	10	88	COCORP	MULLICE	BINKS									
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. R. 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	TR					SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	ING. SUMS	DRIVE						
73	69	73			168	7	451	48							5	8	50%	138/139		4		
74	70	74			169	8											50%					
75	71	75			170	9											50%					
76	72	76			171	10											50%					
77	73	77			172	11											50%					
78	74	78			173	12											50%					
79	75	79			174	13	451										50%				EOT # 451 TAPE MARKS	
80	76	80			175	14	452										50%				BOT # 2	
81	77	81			176	15											50%					
82	78	82			177	16											50%					
83	79	83			178	17											50%					
84	80	84			179	18											50%					
85	81	85			180	19								4			50%					VIB # 25865 BROKEN 1AD BOLT
86	82	86			181	20											50%					1ST VIB STARTS C' PAST FLAG
87	83	87			182	21											50%					
88	84	88			183	22											50%					
89	85	89			184	23											50%					
90	86	90			185	24											50%					
91	87	91			186	25											50%					
92	88	92			187	26											50%					
93	89	93			188	27											50%					
94	90	94			189	28											50%					
95	91	95			190	29	452										50%					EOT # 452 TAPE MARKS
96	92	96			191	30	453										50%					BOT # 453
97	93	97			192	31											50%					
98	94	98			193	32											50%					
99	95	99			194	33											50%					
100	96	100			195	34											50%					
101	97	101			196	35											50%					
102	98	102			197	36											50%					
103	WIND TEST STAIR				197	37											60db					
104	99	103			198	37											50%					









# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D		CREW NO. 6834	LINE NO. 6	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL	TRAIL CONDITIONS SHOULDER	DATE MONTH 4 DAY 17 YEAR 86	CLIENT COCORP	OB FOREMAN/MOORE	PM BINNS					
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				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.				
900		ALL ONES			1-GSEC	458	48								249/245	4	5 VIBS	100' SPACING - 1ST VIB 56' PAST FLAG
933		PULSE			2-GSEC											7:30	IN LINE	8 SWEEPS 41.25' MOVE UP
934/935		E INT			2-GSEC												12-48 HZ SWEEP FREQ	26 SEC SWEEP
938/939		DR D			4-GSEC												42 SEC RECORD LENGTH	4 MS SAMPLE RATE
953/954		SUM			2-GSEC												62.5 HZ ALIAS FREQ	VIBS ON SHOULDER
960/961		N RT			2-GSEC												NOISE DUE TO TRAFFIC ARIZ HWY 87	
932		SIMILARITY			1-26 SEC.			SIMS	TAKEN	WITH	CAMERA	AT	VIBS			8:15		
176		WIND	TEST	STAIR	1													
177	169	173			268	1									50%	8:30		
178	170	174			269	2									50%			
179	171	175			270	3									50%			
180	172	176			271	4									50%			
181	173	177			272	5									50%			
182	174	178			273	6									50%			
183	175	179			274	7	458								50%		EOT # 458	TAPE MARKS
184	176	180			275	8	459								50%		BOT # 459	
185	177	181			276	9									50%			
186	178	182			277	10									50%			
187	179	183			278	11									50%		2ND HALF	
188	180	184			279	12									50%			
189	181	185			280	13									50%			
190	182	186			281	14									50%			
191	183	187			282	15									50%			
192	184	188			283	16									50%			
193	185	189			284	17									50%			
194	186	190			285	18									50%			
195	187	191			286	19									50%			
196	188	192			287	20									50%			
197	189	193			288	21									50%			
198	190	194			289	22									50%		2ND HALF	
199	191	195			290	23	459								50%			
200	192	196			291	24	460								50%			

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 3 PAGES

GEO-252-D

CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE	YEAR	CLIENT	OB	PM										
6834	6	100				CLEAR Cool	SHOULDER	4	86	CO COEP	FOREMAN/MOORE	BINNS										
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	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
201	193	197			292	25	460	48							5	8	50%	244/245		4		
202	194	198			293	26											50%					
203	195	199			294	27											50%					
204	196	200			295	28											50%					
205	197	201			296	29											50%					
206	198	202			297	30											50%					
207	199	203			298	31											50%					
208	200	204			299	32											50%					
209	201	205			300	33											50%					
210	202	206			301	34											50%					
211	203	207			302	35											50%					
212	204	208			303	36											50%					
213	205	209			304	37											50%				1ST HALF	
SKIP	206				38												SKIP					206-208 SHIPPED FOR STORE & PIPE LINE
SKIP	207				39												SKIP					
SKIP	208				40												SKIP					
214	WIND TEST STRIP				41												60db					
215	209	213			308	41	460										30%					2ND HALF EOT # 460 TAPE MARKS
216	210	214			309	42	461										50%					BOT # 461
217	211	215			310	43											50%					
218	212	216			311	44											50%					
219	213	217			312	45											50%					
220	214	218			313	46											50%					
221	215	219			314	47											50%					
222	216	220			315	48											50%					
SKIP	217																SKIP					SKIP DUE TO PIPELINE.
223	218	222			317	18											50%	276/277				LAST HALF NEW RECORDER LOCATION
224	219	223			318	19											50%					
225	220	224			319	20											50%					
226	221	225			320	21											50%					
227	222	226			321	22											50%					
228	223	227			322	23											50%					

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D		CREW NO. 6834	LINE NO. 6	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL	TRAIL CONDITIONS SHOULDER	DATE MONTH 4 DAY 17 YEAR 86	CLIENT CO 60RP	OB FOLLOW MOORE	PM BWS													
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								
229	224	228			223	24	461	48										5	8	50%	276/277		4			
230	225	229			324	25														50%						
231	226	230			325	26	461													50%					EOT # 461 TAPE MARKS	
232	227	231			326	27	462													50%					BOT # 462	
233	228	232			327	28														50%						
234	229	233			328	29														50%						
235	230	234			329	30														50%						
236	231	235			330	31														50%						
237	232	236			331	32														50%						
238	233	237			332	33														50%						
239	234	238			333	34														50%						
240	235	239			334	35														50%						
241	236	240			335	36														50%						2ND HALF
242	237	241			336	37														50%						
243	238	242			337	38														50%						
244	239	243			338	39														50%						
245	240	244			339	40														50%						
246	241	245			340	41	462													50%		9:45				EOT # 462 TAPE MARKS

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

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 FOREMAN/MOORE	PM BINNS						
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)		C.D.P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY TAPE	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR					SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE				
900		AL	OWES		1-6SEC	463	48									37/318	4	ARIZONA NAVAJO	5 VIBS 100' SPACING 1ST VIB 56' PAST FLAG
933		PULSE			1-6SEC												7:45		IN LINE 41.25' MOVE UP
934/935		E.I.N.T			2-6SEC														8 SWEEPS 12-98 HZ SWEEP FREQ 26 SEC SWEEP
934/939		DRD			4-6SEC														42 SEC RECORD LENGTH 4 MS SAMPLE RATE
953/954		SUM			2-6SEC														62.5 HZ ALIAS FREQ VIBS ON SHOULDER
960/961		N.R.T			2-6SEC														NOISE DUE TO TRAFFIC ARIZ HWY 87
932		SIMILACTY			1-26 SEC														SIMS TAKEN WITH CAMERA AT VIBS LATE START DUE TO SIMS 10:00
247		WIND TEST STRIP																	
248	242	246			341	1													
249	243	247			342	2													
250	244	248			343	3													
251	245	249			344	4													
252	246	250			345	5													
253	247	251			346	6													
254	248	252			347	7													
255	249	253			348	8													
256	250	254			349	9													
257	251	255			350	10													
258	252	256			351	11													
259	253	257			352	12													
260	254	258			353	13													
261	255	259			354	14	463												
262	256	260			355	15	464												
263	257	261			356	16													
264	258	262			357	17													
265	259	263			358	18													
266	260	264			359	19													
SKIP	261/264																		
267	267	271			366	26													
268	268	272			367	27													
269	270	274			369	29													
270	271	275			370	30													

SKIP 261 THRU 266 GUARD RAIL ON Hwy SHOULDER

VIB # 269 skipped GUARD RAIL ON Hwy SHOULDER  
2ND HALF

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

GEO-252-D

CREW NO. 6834		LINE NO. 6		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR cool		TRAIL CONDITIONS Hwy Shoulder		DATE MONTH 4 DAY 15 YEAR 86		CLIENT COCORP		OB Foreman/Moore		PM BINNS		
FILE NO.	STA. 40.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN FANFS or "K"	PARITY		SHOOTING					SQR. 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						
271	272	276			371	31	464	48							5	8	50%	311/318				4		
272	273	277			372	32											50%							
273	274	278			373	33											50%							
274	275	279			374	34											50%							
275	276	280			375	35											50%							
276	277	281			376	36											50%							
277	278	282			377	37	464										50%							EOT # 464 TAP MARKS
278	279	283			378	38	465										50%							BOT # 465
279	280	284			379	39											50%							
280	WIND TEST STRIP				40												60db							WIND VELOCITY INCREASED
281	281	285			380	40											60%							
282	282	286			381	41											50%							2ND HALF CULVERT
283	283	287			382	42											50%							
284	284	288			383	43											50%							
285	285	289			384	44											50%							
286	286	290			385	45											50%							
287	287	291			386	46											50%							
288	288	292			387	47											50%							
289	289	293			388	48											50%							
290	290	294			389	49											50%							
291	291	295			390	30	465										50%	337/338						NEW RECORDER LOCATION EOT# 465
292	292	296			391	31	466										60%							BOT # 466
293	293	297			392	32											50%							
294	294	298			393	33											50%							
295	295	299			394	34											50%							
296	296	300			395	35											50%							
297	297	301			396	36											50%							FILE # 297 BAD - PARITY
298	297	301			396	36											50%							
299	298	302			397	37											50%							
300	299	303			398	38											50%							
301	300	304			399	39											50%							4145









## 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 RECORD/MOORE	PM								
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					
900	ALL ONES				1-6	SEC	472	48	(BOT REEL # 472)					5	8		951/452	4	5 VIBS	100' SPACING	FIRST VIB 56' PAST FLAG
933	PULSE				1-6	SEC												8:00			IN LINE 41.25' MOVE UP
934/935	EINT				2-6	SEC															8 SWEEPS 26 SEC SWEEP LENGTH 12-98HZ SWEEP REC
936/939	DRD				4-6	SEC															42 SEC RECORD LENGTH VIBS ON SHOULDER
953/954	SUM				2-6	SEC															4 MS SAMPLE RATE 62.5 KHz ALIAS FREE
960/961	MRT				2-6	SEC															NOISE DUE TO TRAFFIC ARIZ HWY 87
932	SYMPHONY				1-26	SEC			SIMS TAKEN WITH CAMERA AT VIBS												STA # 459 OPEN BRIDGE
381	WIND TEST	STAIR																60db	9:00		
382	377	381			476	2												50%			
383	378	382			477	3												50%			
384	379	383			478	4												50%			
385	380	384			479	5												50%			
386	381	385			480	6												50%			
387	382	386			481	7												50%			
388	383	387			482	8												50%			
389	384	388			483	9												50%			1ST HALF COLLECT
390	385	389			484	10												50%			2ND HALF
391	386	390			485	11												50%			1ST HALF COLLECT
392	387	391			486	12												50%			2ND HALF
393	388	392			487	13												50%			
394	389	393			488	14												50%			
395	390	394			489	15	472											50%			EOT REEL #472 TAPE MARKS
396	391	395			490	16	473											50%			BOT # 473
397	392	396			491	17												50%			
398	393	397			492	18												50%			
399	394	398			493	19												50%			
400	395	399			494	20												50%			
401	396	400			495	21												50%			
402	397	401			496	22												50%			
403	398	402			497	23												50%			
404	399	403			498	24												50%			
405	400	404			499	25												50%			

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 683A		LINE NO. 6	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL	TRAIL CONDITIONS SHOULDER	DATE MONTH 4 DAY 18 YEAR 86	CLIENT COCORP	OB FOREMAN/MOORE	PM BINNS											
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	
406	401	405			500	26	473	48								5	8	50%	41/432	4			
407	402	406			501	27												50%					
408	403	407			502	28												50%					
409	404	408			503	29												50%					
410	405	409			504	30												50%					
411	406	410			505	31	473											50%				EOT #473	TAPE MARKS
412	407	411			506	32	474											50%				BOT #474	
413	408	412			507	33												50%					
414	409	413			508	34												50%					
415	410	414			509	35												50%					
416	411	415			510	36												50%					
417	412	416			511	37												50%					
418	413	417			512	38												50%					
419	414	418			513	39												50%					
420	415	419			514	40												50%					
421	416	420			515	41										8		50%					
422	417	421			516	42										4		30%				1ST HALF	GUARD RAN # WELL
SKIP	418																	SKIP				VP418 & 419	SKIPPED DUE TO WELL
SKIP	419																	SKIP					
423	420	424			519	45										8		30%				2ND HALF	
424	421	425			520	46												50%					
425	422	426			521	47												50%					
426	423	427			522	48												50%					
427	424	428			523	49	474											50%				EOT #474	TAPE MARKS
428	425	429			524	21	475											50%	180/401			BOT #475	NEW RECORDER LOCATION
429	426	430			525	22												50%					
430	427	431			526	23												50%					
431	428	432			527	24												50%					
432	429	433			528	25												50%					
433	430	434			529	26												50%					
434	431	435			530	27												50%					
435	432	436			531	28												50%					

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252.D

CREW NO. 6834		LINE NO. 6	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL	TRAIL CONDITIONS STEADY	DATE MONTH 4 DAY 18 YEAR 88	CLIENT COCOPEL	OB FOREMAN/INCH	PM BINNS							
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 MISSING SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.				
436	433	437		532	29	475	48							5	8	50%	440/48	4	
437		WIND TEST STRIP		533	30											60%			
438	434	438		533	30											50%			2ND HALF CULVERT
439	435	439		534	31											50%			
440	436	440		535	32											50%			
441	437	441		536	33											50%			
442	438	442		537	34											50%			
443	439	443		538	35	475										50%			EOT # 475 TAPE MARKS
444	440	444		539	36	476										50%			BOT # 476
445	441	445		540	37											50%			
446	442	446		541	38											50%			
447	443	447		542	39											50%			
448	444	448		543	40											50%			
449	445	449		544	41											50%			
450	446	450		545	42											50%			
451	447	451		546	43											50%			
452	448	452		547	44											50%			
453	449	453		547	45											50%			
454	450	454		548	46											50%	5:30		1ST HALF



## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 6	LEAVE TOWN/CAMP 7:00				ARRIVE TOWN/CAMP		TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL	TRAIL CONDITIONS SHADED	DATE MONTH 4 DAY 21 YEAR 86	CLIENT Cogel	OB FORD/MOORE	PM BINNS															
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													
477	475	479			574	25	478	48									5	8	50%	52/127		4									
478	476	480			575	26													50%												
479	477	481			576	27													50%												
480	478	482			577	28													50%												
481	479	483			578	29													50%												
482	480	484			579	30													50%												
483	481	485			580	31													50%												
484	482	486			581	32													50%												
485	483	487			582	33													50%												
486	484	488			583	34													50%												
487	485	489			584	35													50%												
488	486	490			585	36													50%												
489	487	491			586	37													50%												
490	488	492			587	38	478												50%												
491	489	493			588	39	479												50%												
492	490	494			589	40													50%												
493	491	495			590	41													50%												
494	492	496			591	42													50%												
495	493	497			592	43													50%												
496	494	498			593	44													50%												
497	495	499			594	45													50%												
498	496	500			595	46													50%												
499	497	501			596	47													50%												
500	498	502			597	48													50%												
501	499	503			598	49													50%												
502	500	504			599	13													50%	503/514											
503	501	505			600	14													50%												
504	502	506			601	15													50%												
505	503	507			602	16													50%												
506	504	508			603	17	479												50%												
507	505	509			604	18	480												50%												
508	506	510			605	19													50%												

EOT # 476 TAPE MARKS

BOT # 479

New Recorder Location

EOT # 479 TAPE MARKS

BOT # 480

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 3 OF 3 PAGES

GEO-282-D

CREW NO. 6834		LINE NO. 6		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS Sit on deck		DATE MONTH 4 DAY 21 YEAR 86		CLIENT COCORP		OB FREEMAN/MOORE		PM BINNS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN DAMPS 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
509	507	511			606	20	480	48							5	E	50%	513/504		4			
510	508	512			607	21											50%						
511	509	513			608	22											50%						
512	WIND	TEST	STRIP			23											60db						WIND BLAST OR AIRPLANE NOISE? MIGHT INTERFERE YOU
513	510	514			609	23											50%						
514	511	515			610	24											50%						
515	512	516			611	25											50%						
516	513	517			612	26											50%						
517	514	518			613	27											50%						LAST HALF COVERT
518	515	519			614	28											50%						
519	516	520			615	29											50%						
520	517	521			616	30											50%						
521	518	522			617	31											50%						
522	519	523			618	32	480										50%						EOT # 480 TAPE MARKS
523	520	524			619	33	481										50%						BOT # 481
524	521	525			620	34											50%						
525	522	526			621	35											50%						
526	523	527			622	36											50%						
527	524	528			623	37											50%						
528	525	529			624	38											50%						5148

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE 6		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS SHOULDER		DATE MONTH 4 DAY 22 YEAR 86		CLIENT COCORP		OB FORMER/NOISE		PM BINNS						
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN CAMPS OR "K"	PARITY TAPE	MEMORY 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										
900		ALL ONES					481	48									5	8							ARIZONA NAVAJO			5VIBS 100' SPACING FIRST VIB 56' PAST FLAG
933		PULSE																										IN LINE. 41.25' MOVE UP
979/935		EINT																										8 SWEEPS 26 SEC SWEEP LENGTH R-48 Hz SWEEP PER
932/939		DRD																										42 SEC RECORD LENGTH VIBS ON SHOULDER
963/954		SUM																										4MS SAMPLE RATE 62.5HZ ALIAS FREQ
960/961		NRS																										NOISE DUE TO TRAFFIC ARIZ HWY 87
932		SIMILARITY																										1-26 SEC SIMPS TAKEN WITH CAMERA AT VIBS 30%
529		WIND TEST STRIP				1																						6db 8:45
530	526	530				625	1																					50% 7:00
531	527	531				626	2			1																		50% STA # 620 IS OPEN DUE TO BRIDGE
532	528	532				627	3																					50%
533	529	533				628	4																					50%
534	530	534				629	5																					50%
535	531	535				630	6																					50%
536	532	536				631	7																					50%
537	533	537				632	8	481																				50% EOT # 481 TAPC MARKS
538	534	538				633	9	482																				50% BOT # 482
539	535	539				634	10																					50%
540	536	540				635	11																					50%
541	537	541				636	12																					50%
542	538	542				637	13																					50%
543	539	543				638	14																					50%
544	540	544				639	15																					50%
545	541	545				640	16																					50%
546	542	546				641	17																					50%
547	543	547				642	18																					50%
548	544	548				643	19																					50%
549	545	549				644	20																					50%
550	546	550				645	21									4												50% VIB 35865 DOWN - RADIO PROBLEM
551	547	551				646	22																					50%
552	548	552				647	23																					50%
553	549	553				648	24																					50% EOT # 482 TAPC MARKS





## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO.	LINE	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE MONTH	DAY	YEAR	CLIENT	OB	PM									
6834	6	6:30				Clear	SHOULDER	4	23	86	CO-GEOP	FREEMAN/MORSE	BINNS									
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	
		TR	TR	TR	TR		REEL NO.	TAPE	MEMORY MISSES	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE					
900	ALL ONES					1-6 SEC	485	48										5	6	66/667	4	5 VIBS 100' SPACING FIRST VIB 56' PAST FLAG
933	PULSE					1-6 SEC															7:45	IN LINE 41.25' MOVE UP
934/935	EINT					2-6 SEC																RESWEEPS 26 SEC SWEEP LENGTH 12-90 HZ SWEEP FREQ
936/939	DRD					4-6 SEC																42 SEC RECORD LENGTH VIBS ON SHOULDER
953/954	SUM					2-6 SEC																4MS SAMPLE RATE 62.5 HZ ALIAS FREQ
960/961	NRJ					2-6 SEC																NOISE DUE TO TRAFFIC ARIZ HWY E7
932	SIMILARITY					1-26 SEC																SIMS TAKEN WITH CAMERA AT VIBS 30%
594	WIND STRIP																					60db 8:45 STA 620 OPEN DUE TO BRIDGE
595	590	594				689	240															50%
596	591	595				690	1															30%
597	592	596				691	2															30%
598	593	597				692	3															4 50%
599	594	598				693	4	485														50%
600	595	599				694	5	486														50%
601	596	600				695	6															50%
602	597	601				696	7															50%
603	598	602				697	8															50%
604	599	603				698	9															5 50%
605	600	604				699	10															50%
606	601	605				700	11															50%
607	602	606				701	12															50%
608	603	607				702	13															50%
609	604	608				703	14															50%
610	605	609				704	15															50%
611	606	610				705	16															50%
612	607	611				706	17															30%
SKIP	608																					SKIP
SKIP	609																					SKIP
SKIP	610																					SKIP
613	611	615				710	21	486														30%
614	612	616				711	22	487														50%
615	613	617				712	23															

1ST HALF

1ST HALF

608-610 SKIPPED DUE TO HOUSES

LAST HALF EOT # 486 TAPES MARKS  
BOT # 481



## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 2 PAGES

GEO-252-D		CREW NO.	LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	WIND	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	PARITY	SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS				
		TR	TR	TR			TAPES	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
6834	6	7:00											4	27	86			ARIZONA NAVAJO					
900	ALL ONES	1-6 SEC				457	46								5	8		670/691	4	5 VIBS 100' SPACING FIRST VIB 36' PAST FLAG			
933	PULSE	1-6 SEC																		8:00	IN LINE 41, 25' MOVE UP VIBS ON SHOULDER		
934/935	EINT	2-6 SEC																			8 SWEETS 26 SEC SWEEP LENGTH 12-18 Hz SWEEP REC		
934/939	DRD	4-6 SEC																			42 SEC RECORD LENGTH		
953/954	SUM	2-6 SEC																			4 MI SAMPLE RATE 62.5 HZ ALIAS FREE Q		
940/941	NRJ	2-6 SEC																			NOISE DUE TO TRAFFIC ARIZ HWY 87		
932	SIMILARITY	1-26 SEC																			SIMS TAKEN WITH CAMERA AT VIBS		
617	WIND TEST STRIP				1															6:45	STA # 620 IS OPEN DUE TO BRIDGE		
618	618	619			714	1															50%		
619	616	620			715	2															50%		
620	617	621			716	3															50%		
621	618	622			717	4															50%	NO GOOD PARITY	
622	618	622			717	4	487														50%	EOT # 487 TAP MARKS	
623	619	623			718	5	488														50%	1ST HALF BOT # 488	
624	620	624			719	6	REF														50%	2ND HALF CULVERT	
625	621	625			720	7															50%		
626	622	626			721	8															50%		
627	623	627			722	9															50%		
628	624	628			723	10															50%		
629	625	629			724	11															50%	Wind is getting WORSE now	
630	626	630			725	12															50%		
631	627	631			726	13															50%		
632	628	632			727	14															30%	Houses	
633	629	633			728	15															30%		
634	630	634			729	16															30%		
635	631	635			730	17															30%		
636	WIND TEST STRIP				18																6:45	11:30	STOPPED WORK EARLY DUE TO WIND







## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 2 PAGES

CREW NO. 6834		LINE NO. 6		LEAVE TOWN/CAMP 6:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR Cool		TRAIL CONDITIONS SHOULDER		DATE MONTH 4 DAY 26 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS	
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					
688	680	684			779	24	492	48								4	8	50%	732/733			4	
689	681	685			780	25												50%					
690	682	686			781	26												50%					
691	683	687			782	27												50%					
692	684	688			783	28												50%					
693	685	689			784	29												50%					
694	686	690			785	30												50%					
695	687	691			786	31												50%					
696	688	692			787	32												50%					
697	689	693			788	33												50%					
698	690	694			789	34												50%					
699	691	695			790	35	# 92											50%					ECT # 92. TAPE MARKS
700	692	696			791	36	493											50%					2ND HALF COLVERT BOT # 493
701	693	697			792	37												50%					
702	694	698			793	38												50%					
703	695	699			794	39												50%					
704	696	700			795	40												50%					
705	697	701			796	41												50%					
706	698	702			797	42												50%					
707	699	703			798	43												50%					
708	700	704			799	44												50%					
709	701	705			800	45												50%					
710	702	706			801	46												50%					
711	703	707			802	47												50%					
712	704	708			803	48												50%					
713	705	709			804	49												50%				1:30	

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 3 PAGES

GEO-262-D		CREW NO. 6834		LINE NO. 6		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS SHOULDER		DATE MONTH 4		DAY 26		YEAR 86		CLIENT CG CORP		DR. MOORE FOREMAN		PM BINNS	
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											
900	ALL OWES			1-6	SEC	493	48									5	8			781/782		4	5 VIBS	100' SPACING-	FIRST VIA STARTS 56' PAST FLAG				
933	PULSE			1-6	SEC																	8:15	IN LINE	41.25' MOVE UP	VIBS ON SHOULDER				
934/935	EINT			2-6	SEC																		8 SWEEPS	26 SEC SWEEP LENGTH	12-48 HZ SWEEP FREQ				
936/939	DRD			4-6	SEC																		42 SEC	RECORD LENGTH					
953/954	SUM			2-6	SEC																		4 MS	SAMPLE RATE	62.5 HZ AWAIS FREQ				
960/961	NRT			2-6	SEC																			NOISE	DUE TO TRAFFIC ACIZ Hwy 87				
932	Simulacarity			1-26	SEC	900 SIMS																	30%	ECT # 493	TAPE MACKS				
714	WIND TEST			STRIP		494																	60db	7:00	BOT # 494				
715	706	710			805	1																		50%					
716	707	711			806	2																		50%					
717	708	712			807	3																		50%					
718	709	713			808	4																		50%					
719	710	714			809	5																		50%					
720	711	715			810	6																		50%					
721	712	716			811	7																		50%					
722	713	717			812	8																		50%					
723	714	718			813	9																		50%					
724	715	719			814	10																		50%					
725	716	720			815	11																		50%					
726	717	721			816	12																		50%					
727	718	722			817	13																		50%					
728	719	723			818	14																		50%					
729	720	724			819	15	494																	50%	ECT # 494	TAPE MACKS			
730	721	725			820	16	495																	50%	BOT # 495				
731	722	726			821	17																		50%					
732	723	727			822	18																		50%					
733	724	728			823	19																		50%					
734	725	729			824	20																		50%					
735	726	730			825	21																		50%					
736	727	731			826	22																		50%					
737	728	732			827	23																		50%					
738	729	733			828	24																		50%					

## 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 FOREMAN/NOBLE	PM BINNS							
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RANGES OF "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					
739	730	734			829	25	495	48						5	8	50%	701/782		4		
740	731	735			830	26										50%					
741	732	736			831	27										50%					
742	733	737			832	28										50%					
743	734	738			833	29										50%					
744	735	739			834	30										50%					
745	736	740			835	31	495									50%				EOT # 495 TAPE MARKS	
746	737	741			836	32	496									50%				Bot # 496	
747	738	742			837	33										50%					
748	739	743			838	34										50%					
749	740	744			839	35										50%					
750	741	745			840	36										50%					
751	742	746			841	37										50%					
752	743	747			842	38		1								50%					
753	744	748			843	39										50%					
754	745	749			844	40										50%					
755	746	750			845	41										50%					
756	747	751			846	42										50%					
757	748	752			847	43										50%					
758	749	753			848	44										50%					
759	750	754			849	45										50%					
760	751	755			850	46		1								50%					
761	752	756			851	47	496									50%				EOT # 496 TAPE MARKS	
762	753	757			852	48	497									50%				Bot # 497	
763	754	758			853	49										50%					
764	755	759			854	31										50%	500 #01				NEW RECORDER LOCATION
765	756	760			855	32										50%					
766	757	761			856	33										50%					
767	758	762			857	34										50%					
768	759	763			858	35										50%					
769	WIND	TEST STRIP			36											50%					
770	760	764			859	36										50%					

# OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 6	LEAVE TOWN/CAMP 7:00				ARRIVE TOWN/CAMP		TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR	TRAIL CONDITIONS WARM	DATE MONTH 4 DAY 28 YEAR 86	CLIENT COCORP	OB. Foltman/maack	PM Binns										
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 MISSES	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE								
771	761	766			860 37	497	48										5	8	50%	800/801		4				
772	762	766			861 38														50%							
773	763	767			862 39														50%							
774	764	768			863 40														50%							
775	765	769			864 41						1								50%							
776	766	770			865 42														50%							
777	767	771			866 43	497													50%		4:40		ECT# 497	TAPE MARKS		



## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 3 PAGES

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 FOREMAN/NO. RE	PM						
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)		C. D. P. POSITION	DIGITAL REEL NO.	GAIN FANPS or "K"	PARITY	SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE			
803	792	796		891	22	499	98								4	0	50%	846/897	4
804	793	797		892	23												50%		
805	794	798		893	24												50%		
806	795	799		894	25												50%		
807	796	800		895	26												50%		
808	797	801		896	27	499											50%		EOT # 499 TAPE MARKS
809	798	802		897	28	500											50%		BOT # 500
810	799	803		898	29												50%		
811	800	804		899	30												50%		
812	801	805		900	31												50%		
813	802	806		901	32												50%		
814	803	807		902	33												50%		
815	804	808		903	34												50%		
816	805	809		904	35												50%		
817	806	810		905	36												50%		
818	807	811		906	37												50%		
819	808	812		907	38												50%		
820	809	813		908	39												50%		
821	810	814		909	40												50%		
822	811	815		910	41												50%		
823	812	816		911	42												50%		
824	813	817		912	43	500											50%		EOT # 500 TAPE MARKS
825	814	818		913	44	501											50%		BOT # 501
826	815	819		914	45												50%		
827	816	820		915	46												50%		
828	817	821		916	47												50%		
829	818	822		917	48												50%		
830	819	823		918	49												50%		
831	820	824		919	26												50%	820/871	NEW RECORDED LOCATION
832	821	825		920	27												50%		
833	822	826		921	28												50%		
834	823	827		922	29												50%		



## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 1 OF 3 PAGES

GEO-252-D		LINE NO.	LEAVE TOWN/CAMP	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER	TRAIL CONDITIONS	DATE	MONTH	DAY	YEAR	CLIENT	OB	PM					
CREW NO.	STA. NO.	STA. NO'S (LIVE GRPS.)	C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS OR "K"	PARITY	SHOOTING	SUR. SOURCES	INST.	TIME	STA. OFFSET TO LINE	REMARKS								
FILE NO.	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.I.	N. UNITS	NO. SUMS	DRIVE	SET UP	DAY			
900	ALL ONES		1-6 SEC	502	18									5	6	900/105		4		BOT # 302
933	PULSE		1-6 SEC					ARRIVE	FIELD									8:15		5 VIBS 100' SPACING FIRST VIB 56' PAST FLAG
934/935	EINT		2-6 SEC																	IN LINE 41.25' MOVE UP VIBS ON SHOULDER
934/939	DRD		4-6 SEC																	8 SWEEPS 26 SEC SWEEP LENGTH 12-40HZ SWEEP FREQ
953/954	SUM		2-6 SEC																	42 SEC RECORDED LENGTH
960/961	NRS		2-6 SEC																	4MS SAMPLE RATE 6.25KZ ALIAS FREQ
932	SIMILARITY		1-26 SEC													30%		9:00		NOISE DUE TO TRAFFIC ARIZONA HWY 67
841	WIND TEST STRIP															60%				
842	829	833		928	1											50%		9:10		
843	830	834		929	2											60%				
844	831	835		930	3											50%				
845	832	836		931	4											50%				
846	833	837		932	5											50%				
847	834	838		933	6											50%				
848	835	839		934	7											50%				
849	836	840		935	8											50%				
850	837	841		936	9											50%				
851	838	842		937	10											50%				
852	839	843		938	11											50%				
853	840	844		939	12											50%				
854	841	845		940	13											50%				
855	842	846		941	14	502										50%				ECT # 502 TAPE MARKS
856	843	847		942	15	503										50%				BOT # 503
857	844	848		943	16											50%				
858	845	849		944	17		1									60%				
859	846	850		945	18											50%				
860	847	851		946	19											50%				
861	848	852		947	20											50%				
862	849	853		948	21											50%				
863	850	854		949	22											50%				
864	851	856		950	23											50%				
865	852	866		951	24											50%				

## OBSERVER REPORT PETTY-RAY GEOPHYSICAL

PAGE 2 OF 3 PAGES

CREW NO. 6834		LINE NO. 6		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS SHOULDER		DATE MONTH 4 DAY 30 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS			
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							
866	853	857			952	26	503	48								5	8	50%	90%/100		4				
867	854	858			953	26												50%						STA # 953 F.O.L. # 6	
868	857	858			953	26												50%						SHAKING THROUGH LINE. Roll SWITCH POSITION	
869	860	858			953	26												50%						AND SPREAD WLL REMAIN CONSTANT TO EQL.	
870	863	858			953	26												50%							
871	866	858			953	26	503											50%						EOT # 503 TAPE MARKS	
872	869	858			953	26	504											50%						BOT # 504	
873	872	858			953	26												50%							
874	875	858			953	26												50%							
875	876	858			953	26												50%							
876	881	858			953	26												50%							
877	884	858			953	26												50%							
878	887	858			953	26												50%							
879	890	858			953	26												50%							
880	893	858			953	26												50%							
881	896	858			953	26												50%							
882	899	858			953	26												50%							
883	902	858			953	26												50%							
884	905	858			953	26												50%							
885	907	858			953	26												50%							
886	909	858			953	26												50%							
887	911	858			953	26	504											50%						EOT # 504 TAPE MARKS	
888	913	858			953	26	505											50%						BOT # 505	
889	915	858			953	26												50%							
890	917	858			953	26												50%							
891	WIND TEST	STRIP			26													60db							
892	919	858			953	26												50%							
893	921	858			953	26												50%							
894	923	858			953	26												50%							
895	925	858			953	26												50%							
896	927	858			953	26												50%							
SKIP	929																	SKIP							1ST HALF - WELL VP # 929 SKIPPED DUE TO BARN

