

CLIENT COCOP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 14

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 5 d 1 m 77 y CREW NO. 6841
 WEATHER CLOUDY-COOL TERRAIN ACROSS QUANTRO

OBSERVERS REPORT

Form # PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)							TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS	
		Tr. 1			Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth							
1	900	20 SEC	ALL ONES							14												WIND 5-10 MPH
2	11	130	135		158	159		182			1		1	5		9:40						NOTE DISTANCE BETWEEN STN 149 & 150 IS 660'
3	12	131	136		159	160		183			2		2	↓		10:20						REPLANTING NOISY STNS.
4	13	132	137		160	161		184					3			10:40						
5	14	133	138		161	162		185					4			11:00						WIND 10-15 MPH
6	15	134	139		162	163		186					5			11:30						
7	16	135	140		163	164		187					6			11:50						WIND 15-20 MPH
8	17	136	141		164	165		188					7			12:20						HEAVY EQUIPMENT MOVING DOWN LINE
9	18	137	142		165	166		189					8			1:10						DOWN LINE
10	19	138	143		166	167		190					9			1:30						STN # 189 NOISY (CHARGE POWER LINE)
11	20	139	144		167	168		191					10			1:55						WIND 20-25 MPH
12																2:20						WIND 25 MPH PLUS
13																						UNABLE TO CONTINUE
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EU-228 FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARIUS SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x160
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 10 SURFACE COV. .833 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 25520
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SURTSJEN'S PAGE 1 of 37

CLIENT COCORP

PROSPECT SOCORRO PROVINCE _____

COUNTY SOCORRO (STATE) NEW MEXICO

DIGITAL REEL NUMBER 15

PETTY-RAY GEOPHYSICAL INC.

OBSERVERS REPORT

LINE NO. 1-A DIR. E to W

DATE 6 d 1 m 76 y CREW NO. 6841

WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

Form #PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	36	160	165		188	189		212	15			31	5	3:30						WIND 5-10 MPH
2	37	161	166		189	191		213	↓			32	6	3:50						STN 189 NOISY (LARGE POWER LINE)
3	38	162	167		190	192		214				33		4:20						
4	39	163	168		191	193		215				34		5:00						
5																				
6																				
7																				
8																				
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17																				
18																				
19																				
20																				

GEOPHONE TYPE FU-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600 GEO. INTERVAL VARIES SOURCE PATTERN 5x16 @ 794'

AMPLIFIER TYPE 18P TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x304

STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880' CDP STACK 24 TOTAL SET-UPS 24 SURFACE COV. 2.0 Miles

RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 25 sec.

DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____

BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SWATSONS PAGE 3 of 37

CLIENT Cocopp
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 15

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 7 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	40	164	169		192	193		216	15			35	5		9:30					REPAIRING BAD CABLE	
2	41	165	170		193	194		217	↓			36	↓		10:00						
3	42	166	171		194	195		218				37			10:20						
4	SKIP	167	172		195	196		219				38								SKIP (SPILLWAY & DAM)	
5	43	168	173		196	197		220				39			11:00						
6	44	169	174		197	198		221				40			11:20						
7	45	170	175		198	199		222				41			11:40						
8	46	171	176		199	200		223				42			12:00						
9	SKIP	172	177		200	201		224				43								} SKIPS - UNABLE TO GET TO LOCATION	
10	SKIP	173	178		201	202		225				44									
11	47	174	179		202	203		226				45			1:00					OFFSET 210' SW OF LINE	
12	48	175	180		203	204		227				46			1:20					OFFSET 260' SW OF LINE	
13	49	176	181		204	205		228				47			1:40					OFFSET 167' SW OF LINE	
14	50	177	182		205	206		229				48			2:00					OFFSET 55' SW OF LINE	
15	51	178	183		206	207		230				49			2:50					REPAIRING 2 BAD CABLES	
16	52	179	184		207	208		231				50			3:50					O.B. MOVING UP - DOWN VST	
17	53	180	185		208	209		232				3			4:10						
18	54	181	186		209	210		233				4			4:30						
19	55	182	188		210	211		234				5			5:10						
20	56	183	189		211	212		235				6			5:40						

GEOPHONE TYPE EV-228 FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARIS SOURCE PATTERN 5x16 @ 794
 AMPLIFIER TYPE 1FP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x 494
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 -22880 CDP STACK 24 TOTAL SET-UPS 20 SURFACE COV. 1.666 Miles
 RECORD FILTER ALIAS - 31.25 Hz LOW-CUT 9Hz SAMPLE RATE EMS RECORD LENGTH 50sec SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 SWT.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SWITJENS PAGE 4 of 77

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 15

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W

DATE 8 d 1 m 22 y CREW NO. 684

OBSERVERS REPORT

WEATHER CLEAR-CALM TERRAIN ACROSS COUNTRY

Form # PRG 105

DIG. REC NO	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)							TAPE NUMBER		DEAD TRACE NO	Traces on An. Tape or Correlator Display	CDP SWITCH POS	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS		
		Tr. 1		Tr. 24	Tr. 25			Tr. 48	DIGITAL	ANALOG				Charge	Depth								
1	57	184	189			212	213			236	15			7	4		9:00						
2	58	185	190			213	214			237	↓			8	↓		9:20						
3	59	186	191			214	215			238				9			9:40						
4	60	187	192			215	216			239				10			10:00						
5	61	188	193			216	217			240				11			10:20						
6	ECT.		#								END OF TAPE REEL												
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							

GEOPHONE TYPE EU-22B FREQ. 9.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 60° GEO. INTERVAL VARIES SOURCE PATTERN 5x16 @ 794

AMPLIFIER TYPE 18P TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 12 TOTAL FOR DAY _____

STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 - 22000 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles

RECORD FILTER LOW-CUT 942 SAMPLE RATE 8MS RECORD LENGTH 50 SEC SWEEP NUMBER _____ SWEEP FREQ. 10-7242 @ 25 SEC

DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____

BREAKDOWN HOURS _____ 60 ~ NOTCH - in _____ Out _____

OBSERVER SUMNER'S

CLIENT COCCOP
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 16

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-12 DIR. E to W
 DATE 8 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form PRG 105

DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
62	189	194		217	218		241	16			12	4	A	10:40					WIND 0-5 MPH	
2	63	190	195		218	219	242	↓			13	↓		11:00						
3	64	191	196		219	220	243				14			11:20					A LOT OF TRAFFIC	
4	65	192	198		220	221	244				15	5		12:40					STN # 213 NOISY (CATTLE FEEDING)	
5	66	193	198		221	222	245				16	5		1:00					WIND 5-10 MPH	
6	67	194	200		222	223	246				17	↓		1:30					OFFSET 250' SW OF LINE	
7	68	195	200		223	224	247				18			2:00					OFFSET 450' SW OF LINE	
8	69	196	201		224	225	248				19			2:20					OFFSET 560' SW OF LINE	
9	70	197	202		225	226	249				20			2:40					OFFSET 700' SW OF LINE	
10	71	198	203		226	227	250				21			3:00					OFFSET 780' SW OF LINE	
11	72	199	204		227	228	251				22			3:20					OFFSET 750' SW OF LINE	
12	73	200	205		228	229	252				23			3:40					OFFSET 380' SW OF LINE	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EU-22B FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 5X16 @ 794'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 12 TOTAL FOR DAY XX 272
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 17 SURFACE COV. 1.416 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8ms RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-72 Hz @ 25 sec.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SILVER'S PAGE 6 of 37

CLIENT Cocorp
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 16

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 10 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form #PRG 105

	DIG. REC. NO.	SHOT / SWEEP / DROP / POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	74	201	206		229	230		253				24	4		9:20					WIND 0-5 MPH	
2	75	202	207		230	231		254				25	4		9:50					OFFSET 600' S.W. OF LINE	
3	76	203	208		231	232		255				26			10:20					OFFSET 280' S.W. OF LINE	
4	77	204	209		232	233		256				27			10:40						
5	78	205	210		233	234		257				28			11:00						
6	79	206	211		234	235		258				29			11:20						
7	80	207	212		235	236		259				30			11:40						
8	81	208	213		236	237		260				31			12:00						
9	82	209	214		237	238		261				32			12:20						
10	83	210	215		238	239		262				33			12:40						
11	84	211	216		239	240		263				34			1:00					STNS 259-260 Noisy (WATER HOLE)	
12	85	212	217		240	241		264				35			1:30						
13	86	213	218		241	242		265				36			2:00						
14	87	214	219		242	243		266				37			2:20						
15	EOF		220																	END OF TAPE REEL	
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EU-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL 1401.5 SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT NTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2200 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW-CUT 9HZ SAMPLE RATE 0MS RECORD LENGTH 50SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32K @ 25HZ
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SWITJENS PAGE 7 of 37

CLIENT Colon
 PROSPECT Secorac PROVINCE _____
 COUNTY Secorac (STATE) New Mexico
 DIGITAL REEL NUMBER 17

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 10 d 1 m 77 y CREW NO. 6841
 WEATHER Clear-Cold TERRAIN Artes Country

OBSERVERS REPORT

Form #PRG 105

	DIG-REC-NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	89	215	220		243	244		267	17			38	4		2:50"						WIND 5-10 MPH
2	90	216	221		244	245		268	↓			39	↓		4:25						- REEL 88 N.G. (BAD TAPE)
3			222		245	246		269				40									
4			223																		
5																					
6																					
7																					
8																					
9																					
10																					
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13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 3x16 @ 600 GEO. INTERVAL 1/2 SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE 1AP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x 256
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2280-2280 CDP STACK 24 TOTAL SET-UPS 16 SURFACE COV. 1.333 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8Hz RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25'
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SCOTT'S PAGE 2 of 37

CLIENT CECORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 17

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR E to W
 DATE 11 d 1 m 22 y CREW NO. 6841
 WEATHER CLEAR-COOL TERRAIN FLAT-COUNTRY

OBSERVERS REPORT

Form # PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable) STATIONS							TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape of Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25			Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	91	217	222			245	246			269			40	4		9:15					
2	92	218	223			246	247			270			41	4		9:35					
3	93	219	224			247	248			271			42			9:55					
4	94	220	225			248	249			272			43			10:15					
5	95	221	226			249	250			273			44			10:40					
6	96	222	227			250	251			274			45			11:20					
7	97	223	228			251	252			275			46			11:50					
8	98	224	229			252	253			276			47			12:10					
9	99	225	230			253	254			277			48			12:40					
10	100	226	231			254	255			278			49			1:00					
11	101	227	232			255	256			279			1			2:30					POING UST
12	102	228	233			256	257			280			2			2:50					O.B. MOVING UP
13	103	229	234			257	258			281			3			3:10					REPLACING BAD CABLE
14	104	230	235			258	259			282			4			3:30					
15	105	231	236			259	260			283			5			3:50					
16	106	232	237			260	261			284			6			4:10					
17	107	233	238			261	262			285			7			4:30					
18	108	234	239			262	263			286			8			4:50					
19	109	235	240			263	264			287			9			5:10					
20	110	236	241			264	265			288			10			5:30					
	111	237	242			265	266			289			11			5:50					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 4x16 @ 704
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x346
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 -22-880 CDP STACK 24 TOTAL SET-UPS 21 SURFACE COV. 1.75 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS. RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25500.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SUNTJENS PAGE 9 of 37

CLIENT COOPER
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 17

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR E to W
 DATE 12 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR - COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form #PRG 105

DIG. REC NO.	SHOT / SWEEP / DROP / POINT	RECORD (split where applicable)							TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG	Charge				Depth							
1	112 238	243		266	267		290	17				12	4		9:00						WIND 0.5 MPH
2	113 239	244		269	268		291	↓				13	↓		9:30						
3	EOF	245		268	269		291	END OF TAPE REE				+									
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EU-220 FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VARI SOURCE PATTERN 4X16 @ 704'
 AMPLIFIER TYPE 1FP TAPE TRANSPORT MTT-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 -2280 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW CUT 9Hz SAMPLE RATE 8Hz RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 2500
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SWITZERS PAGE 10 of 37

CLIENT COCCOP
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 18

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 12 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR - CLOUDS TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable) STATIONS						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	114	240	245		268	269		292	18			14	4		9:50						
2	115	241	246		269	270		293	↓			15	↓		10:10						
3	116	242	247		270	271		294				16			10:30						
4	117	243	248		271	272		295				17			10:50						
5	SKIP	244	249		272	273		296				18									SKIP - GULLY
6	118	245	250		273	274		297				19			11:20						
7	119	246	251		274	275		298				20			11:40						
8	120	247	252		275	276		299				21			12:00						
9	121	248	253		276	277		300				22			12:20						
10	122	249	254		277	278		301				23			12:40						
11	123	250	255		278	279		302				24			1:00						
12	124	251	256		279	280		303				25			1:20						
13	125	252	257		280	281		304				26			1:40						
14	126	253	258		281	282		305				27			2:00						
15	127	254	259		282	283		306				28			2:20						
16	128	255	260		283	284		307				29			2:40						
17	SKIP	256	261		284	285		308				30			3:00						SKIP - RIVER BED
18	129	257	262		285	286		309				31			3:10						
19	130	258	263		286	287		310				32			3:30						
20	131	259	264		287	288		311				33			3:50						

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL Varis SOURCE PATTERN 4x16 @ 704
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW CUT 9Hz SAMPLE RATE 8175 RECORD LENGTH 5.0 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10.32 Hz @ 25 SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In. _____ Out OBSERVER SURTJENS PAGE 11 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 18

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 12 d 1 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLOUDY-COLD TERRAIN ACROSS COUNTRY

Form # PRG 105

DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	132	260	265		288	289	312	18			34	4		4:10						
2	133	261	266		289	290	313	↓			35	↓		4:30						
3	134	262	267		290	291	314				36			4:50						
4	135	263	268		291	292	315				37			5:10						
5	136	264	269		292	293	316				38			5:30						
6	137	265	270		293	294	317				39			5:50						
7	138	266	271		294	295	318				40			6:10						
8	SKIP	267	272		295	296	319				41			6:30						SMP - RIVER BED
9	139	268	273		296	297	320				42			6:50						
10	999	ALL ONES (16 sec. Rec.)						END OF TAPE REEL												
11	FOF																			
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EV-220 FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 60° GEO. INTERVAL 100ms SOURCE PATTERN 4x16 @ 70°
 AMPLIFIER TYPE IFP TAPE TRANSPORT HTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x448
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 30 SURFACE COV. 2.583 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 845 RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 255sec
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SLEWTERNS PAGE 12 of 11

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 19

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 13 d 1 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR - CLOUDS TERRAIN DESERT COUNTRY

105

DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibrs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP-INITIAL GAIN	AMP-FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	900	ALL ORIES (15 sec REC)																		
2	140	269	274		297	298		321			43	4		9:00						
3	141	270	275		298	299		322			44	↓		9:20						
4	142	271	276		299	300		323			45			9:40						
5	143	272	277		300	301		324			46			10:00						
6	144	273	278		301	302		325			47			10:20						
7	145	274	279		302	303		326			48			10:40						
8	146	275	280		303	304		327			49			11:00						
9	147	276	281		304	305		328			9	5		12:10					DOING VST	
10	148	277	282		305	306		329			10	↓		12:30					O.B. MOVING UP	
11	149	278	283		306	307		330			11			12:50						
12	150	279	284		307	308		331			12			1:10						
13	151	280	285		308	309		332			13			1:30						
14	152	281	286		309	310		333			14			1:50						
15	153	282	287		310	311		334			15			2:10						
16	154	283	288		311	312		335			16			2:30						
17	155	284	289		312	313		336			17			2:50						
18	SHIP	285	290		313	314		337			18	2							SHIP - RIVER BED	
19	156	286	291		314	315		338			19	↓		3:20						
20	157	287	292		315	316		339			20			3:40						

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL 1/4015 SOURCE PATTERN 5X16 @ 792'
 AMPLIFIER TYPE EP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW-CUT 9HZ SAMPLE RATE 8MS RECORD LENGTH 50SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 HZ @ 25300
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SILVENSEN'S PAGE 47 of 37

CLIENT Cecorp
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 19

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 13 d 1 m 77 y CREW NO. 6841
 WEATHER Clear-Cool TERRAIN Across Country

OBSERVERS REPORT

Form #PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)					TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibrs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL				ANALOG	Charge						
1	158	288	293		316	317		340	19		21	4		4:00					WIND 8-5 MPH	
2	159	289	294		317	318		391	↓		22			4:20					(CATTLE AT WATER HOLE)	
3	160	290	295		318	319		342			23			4:40						
4	161	291	296		319	320		343			24			5:10						
5	162	292	297		320	321		344			25			5:30						
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EV-220 FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 3x16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE IF1 TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x368
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 24 SURFACE COV. 2.0 Miles
 RECORD FILTER LOW-CUT 942 SAMPLE RATE 812.5 RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-3242 @ 2.5 sec
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER S. WINTERS PAGE 44 of 37

CLIENT Cocorp
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 19

PETTY-RAY GEOPHYSICAL INC.

LINE NO: 1-9 DIR: E to W
 DATE 14 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)					STATIONS		TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS	No. of Vib. / Thumos.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG	Charge				Depth							
1	163	293	298		321	322		345	19				26	5		9:30					WIND 0-5 MPH	
2	164	294	299		322	323		346	↓				27	↓		9:50					VIBS. DRIVING AROUND FENCE	
3	165	295	300		323	324		347					28			10:30						
4	EOF																					
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EV-22B FREQ. 9.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600 GEO. INTERVAL VARIS SOURCE PATTERN 5x16 @ 1792
 AMPLIFIER TYPE 1EP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 32 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER 11AS 3.25Hz SAMPLE RATE 8Hz RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-3242 @ 253 Hz
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SWITZER PAGE 15 of 37

CLIENT COCORP

PROSPECT SOCORRO PROVINCE _____

COUNTY SOCORRO (STATE) NEW MEXICO

DIGITAL REEL NUMBER 20

PETTY-RAY GEOPHYSICAL INC.

OBSERVERS REPORT

LINE NO. 1-A DIR. E to W

DATE 14 d 1 m 77 y CREW NO. 0841

WEATHER CLEAR - COOL TERRAIN ACROSS COUNTRY

Form # PRG 105

	DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)					TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL				ANALOG	Charge						
1	166	296	301		324	325		348	20		29	4		11:30					WIND 0-5 MPH	
2	167	297	302		325	326		349	↓		30	↓		11:50						
3	168	298	303		326	327		350			31			12:10						
4	169	299	304		327	328		351			32			12:30						
5	170	300	305		328	329		352			33			12:50						
6	171	301	306		329	330		353			34			1:10						
7	172	302	307		330	331		354			35			1:30						
8	173	303	308		331	332		355			36			1:50						
9	174	304	309		332	333		356			37			2:10					STN # 256 NOISY (CABLE WITH LEAKAGE)	
10	175	305	310		333	334		357			38			2:30						
11	176	306	311		334	335		358			39			2:50						
12	177	307	312		335	336		359			40			3:50					REPAIRING BAD CABLE (LEAKAGE)	
13	178	308	313		336	337		360			41			4:20						
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EV-22B FREQ. 25 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X6 @ 60' GEO. INTERVAL VARIABLE SOURCE PATTERN 4X16 @ 704'

AMPLIFIER TYPE IFA TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4X 256

STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 10 SURFACE COV. 1.333 Miles

RECORD FILTER LOW-CUT 942 SAMPLE RATE 8MS RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 sec.

DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____

BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER S. WITZEL PAGE 14 of 37

CLIENT Coccar
 PROSPECT SACCARO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 20

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 17 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN Rolling Country

OBSERVERS REPORT

Form #PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	179	309	314		337	338			361	20			2	5		10:10				REARACING BAD CABLE	
2	SNIP	310	315		338	339			362	↓			3	↓						SNIP - GULLY	
3	180	311	316		339	340			363				4			10:40				OFFSET 300' N.E. OF LINE	
4	181	312	317		340	341			364				5			11:00					
5	182	313	318		341	342			365				6							SNIP - GULLY	
6	182	314	319		342	343			366				7	4		11:30					
7	183	315	320		343	344			367				8	↓		11:50					
8	184	316	321		344	345			368				9			12:10					
9	185	317	322		345	346			369				10			12:30					
10	186	318	323		346	347			370				11			12:50					
11	187	319	324		347	348			371				12			1:10					
12	188	320	325		348	349			372				13			1:30					
13	189	321	326		349	350			373				14			1:50					
14	190	322	327		350	351			374				15			2:10					
15	191	323	328		351	352			375				16			2:30					
16	EOF																			END OF TAPE REEL	
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 60' GEO. INTERVAL VARIS SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 - 22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW-CUT 9Hz ALIAS 21.25 Hz SAMPLE RATE @ 4ms. RECORD LENGTH 50SEP SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 2.5 sec
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SWANSON PAGE 17 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 21

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 17 d 1 m 22 y CREW NO. 6841
 WEATHER CLEAR - COOL TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumos.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS	
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth							
1	192	324	329		352	353			376	21			17	4		2:50						
2	193	325	330		353	354			377	↓			18			3:10						
3	194	326	331		354	355			378				19			3:30						
4	195	327	332		355	356			379				20			3:50						
5	196	328	333		356	357			380				21			4:10						
6	197	329	334		357	358			381				22			4:30						
7	198	330	335		358	359			382				23			4:50						
8	199	331	336		359	360			383				24			5:10						
9	200	332	337		360	361			384				25			5:30						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16@600' GEO. INTERVAL VADIS SOURCE PATTERN 4x16@704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x352
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200 - 22880 CDP STACK 24 TOTAL SET-UPS 24 SURFACE COV. 2.0 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE BMS RECORD LENGTH 50SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 2.5 SEC.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SILVIA JENSEN PAGE 48 of 37

CLIENT Cocorp
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 21

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1A DIR. E to W

DATE 18 d L m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

Form #PRG 105

	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	201	333	338		361	362		385	21			26	5		9:30					WIND 0-5 MPH	
2	202	334	339		362	363		386	↓			27	↓		9:50						
3	203	335	340		363	364		387				28			10:10						
4	204	336	341		364	365		388				29			10:30						
5	205	337	342		365	366		389				30			10:50						
6	206	338	343		366	367		390				31			11:10						
7	207	339	344		367	368		391				32			11:30						
8	208	340	345		368	369		392				33	4		12:00						
9	209	341	346		369	370		393				34	5		12:20						
10	210	342	347		370	371		394				35	↓		12:40						
11	211	343	348		371	372		395				36			1:00						
12	212	344	349		372	373		396				37			1:30						
13	213	345	350		373	374		397				38			1:50						LONG DRIVE AROUND SHIP (FENCES) DRIVING UST
14	214	346	351		374	375		398				39									CATTLE EW LINE
15	214	347	352		375	376		399				40			3:40						
16	215	348	353		376	377		400				41			4:20						
17	216	349	354		377	378		401				42			4:40						
18	217	350	355		378	379		402				43			5:00						
19	999	ALL ONES (15 SEC REEL)							END OF TAPE REEL												
20																					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VARI SOURCE PATTERN 5X16 @ 792
 AMPLIFIER TYPE 1PP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5X212
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 18 SURFACE COV. 1.5 Miles
 RECORD FILTER ALIAS-3.25 LOW-CUT 9HZ SAMPLE RATE 8MS RECORD LENGTH 50 SEC SWEEP NUMBER _____ SWEEP FREQ. 10-32HZ @ 25550
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out L OBSERVER SUNTJENS PAGE 19 of 37

CLIENT COCOP
 PROJECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 22

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 19 d 1 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER Cloudy - Cool TERRAIN ACROSS COUNTRY

Form # PRG 105

	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	218	351	356		379	380			403	22		44	5		10:30						
2	219	352	357		380	381			404	↓		45	↓		11:00						
3	220	353	358		381	382			405			46			11:20						
4	221	354	359		382	383			406			47			11:40						
5	222	355	360		383	384			407			48			12:00						
6	223	356	361		384	385			408			49			12:20						O.B. Moving WP
7	224	357	362		385	386			409			2			2:00						REPAIRING 2 BAD CABLES
8	225	358	363		386	387			410			3			2:20						
9	226	359	364		387	388			411			4			2:40						
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 25 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 5X16 @ 792'
 AMPLIFIER TYPE 1FP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5X146
 STATION INTERVAL 140 SPREAD DIMENSIONS 0-2200-2280 CDP STACK 24 TOTAL SET-UPS 9 SURFACE COV. 0.75 Miles
 RECORD FILTER LOW-PASS 942 SAMPLE RATE 875 RECORD LENGTH 5050 SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25500
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SUTTON PAGE 20 of 27

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 22

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 20 d 1 m 77 y CREW NO. 6841
 WEATHER CLEAR-COOL TERRAIN ARIZONA COUNTRY

OBSERVERS REPORT

Form # PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable) STATIONS						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	SKIP	360	365			388	389		412	22		5	4							WIND 0-5 MPH
2	227	361	366			389	390		413	↓		6	↓	9:40						STN 407 NOISY (WATER TROUGH)
3	228	362	367			390	391		414			7		10:00						
4	229	363	368			391	392		415			8		10:20						
5	230	364	369			392	393		416			9		10:40						
6	231	365	370			393	394		417			10		11:00						
7	232	366	371			394	395		418			11		11:20						
8	233	367	372			395	396		419			12	5	11:40						
9	234	368	373			396	397		420			13	↓	12:00						CATTLE ON LINE
10	235	369	374			397	398		421			14	4	12:25						
11	236	370	375			398	399		422			15	↓	12:45						
12	237	371	376			399	400		423			16	5	1:05						
13	238	372	377			400	401		424			17	↓	1:25						
14	239	373	378			401	402		425			18		1:45						
15	240	374	379			402	403		426			19		2:05						
16	241	375	380			403	404		427			20		2:25						
17	242	376	381			404	405		428			21		2:45						
18	243	377	382			405	406		429			22		3:05						
19	LOF	378	383			406	407		430	END OF TAPE REEL										
20									431											

GEOPHONE TYPE EV-220 FREQ. 75 Hz. GEO. PER PATCH 30 PATCH PATTERN 2X16 @ 600 GEO. INTERVAL VARI SOURCE PATTERN 5X16 @ 792
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTA-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2280 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW-PASS 942 SAMPLE RATE 845 RECORD LENGTH 50SEC SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25700
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER S. W. JONES PAGE 21 of 22

CLIENT COCOP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 23

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. NE to W
 DATE 20 d 1 m 22 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLOUDY-COOL TERRAIN ACROSS COUNTRY

Form # PRG 105

	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS	
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth							
1	244	378	383		406	407		430	23			23	5		3:25							
2	245	379	384		407	408		431	↓			24	↓		3:45							
3	246	380	385		408	409		432				25			4:05							
4	247	381	386		409	410		433				26			4:25							
5	248	382	387		410	411		434				27			4:45							
6	249	383	388		411	412		435				28			5:05							
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EV-220 FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VARIUS SOURCE PATTERN 5X16 @ 79'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5X368
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200 - 22880 CDP STACK 34 TOTAL SET-UPS 24 SURFACE COV. 1.0 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8Hz RECORD LENGTH 50500 SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 2550'
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SWITZER PAGE 21 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 23

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 21 d 1 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLOUDY-COOL TERRAIN ACROSS COUNTRY

Form # PRG 105

DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	250	384	389		412	413		436	23			29	5	9:40					WIND 0-5 MPH	
2	251	385	390		413	414		437	↓			30	↓	10:00					STNS 107 & 108 - OCCASIONALLY NOISY (WATER TROUGH)	
3	252	386	391		414	415		438				31		10:20						
4	253	387	392		415	416		439				32		10:40					OFFSET 285' NE OF LINE	
5	254	388	393		416	417		440				33		11:00						
6	255	389	394		417	418		441				34		11:20						
7	256	390	395		418	419		442				35		11:40						
8	257	391	396		419	420		443				36		12:00					OFFSET 225' N.E. OF LINE	
9	258	392	397		420	421		444				37		12:20					OFFSET 108' B.W. OF LINE	
10	259	393	398		421	422		445				38		12:40					OFFSE 240' S.W. OF LINE	
11	260	394	399		422	423		446				39		1:00						
12	261	395	400		423	424		447				40		1:20						
13	262	396	401		424	425		448				41		1:40					OFFSET 335' N.W. OF LINE	
14	263	397	402		425	426		449				42		2:00						
15	264	398	403		426	427		450				43		2:20						
16	265	399	404		427	428		451				44		2:40						
17	266	400	405		428	429		452				45		3:00						
18	267	401	406		429	430		453				46		3:20						
19	999	ALL ONES							END OF TAPE REEL											
20																				

GEOPHONE TYPE FU-22B FREQ. 25 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARS SOURCE PATTERN 5X16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 6 x 256 298
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 18 SURFACE COV. 1.533 Miles
 RECORD FILTER LOW-CW 9Hz SAMPLE RATE 8MS RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25SEC.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SUNTJENS PAGE 43 of 77

CLIENT COCOAP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 24

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 24 d 1 m 22 y CREW NO. 084
 WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	268	402	407		430	431		454	24			47	4		9:30				WIND 0-5MPH RECH 900 ALL ONES (15 SEC) OFFSET 87' SW OF LINE	
2	269	403	408		431	432		455	↓			48	↓		9:50				OFFSET 175' SW OF LINE	
3	270	404	409		432	433		456				49			10:10				OFFSET 177' SW OF LINE	
4	271	405	410		433	434		457				39	5		11:20				OFFSET 170' SW OF LINE	
5	272	406	411		434	435		458				40	↓		11:40				OFFSET 60' S.W. OF LINE	
6	273	407	412		435	436		459				41			12:00				RUNNING VST-OB TOWING UP	
7	274	408	413		436	437		460				42			12:20				WIND 5-10MPH	
8	275	409	414		437	438		461				43			12:40				STN # 461 NOISY (RANCH)	
9	276	410	415		438	439		461				44			1:00					
10	277	411	416		439	440		461				45			1:20					
11	278	412	417		440	441		461				46			1:40					
12	279	413	418		441	442		461				47			2:00					
13	280	414	419		442	443		461				48			2:20					
14	281	415	420		443	444		461				49			2:40					
15	282	416	421		444	445		461				50			3:00					
16	283	417	422		445	446		461				51			3:20					
17	284	418	423		446	447		461				52			3:40				OFFSET 66' S.W. OF LINE	
18	285	419	424		447	448		461				53			4:00					
19																				
20																				

GEOPHONE TYPE EV-22B FREQ. 25 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARIABLE SOURCE PATTERN 5 X 2 EG
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 32 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2200 CDP STACK 24 TOTAL SET-UPS 18 SURFACE COV. 1.5 Miles
 RECORD FILTER LOW-CUT 9Hz ALIAS 31.25 Hz SAMPLE RATE 8MS RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ GO ~ NOTCH - In _____ Out OBSERVER SUNT... PAGE 36 of 37

CLIENT Cocora
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 24

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 25 d 1 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

Form #PRG 105

	DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable) STATIONS						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	286	420	425		446	449		461	24			54	5		9:30						WIND 0-5 MPH
2	287	421	426		449	450		461	↓			55	↓		9:50						
3	288	422	427		450	451		461				56			10:10						
4	289	423	428		451	452		461				57			10:30						
5	290	424	429		452	453		461				58			10:50						
6	291	425	430		453	454		461				59			11:10						
7	292	426	431		454	455		461				60			11:30						
8	293	427	432		455	456		461				61			11:50						
9	QCF								END OF TAPE REEL												
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22/B FREQ. 75 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 60' GEO. INTERVAL VAOIS SOURCE PATTERN 5X16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2280 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER ALIAS 31.25 Hz SAMPLE RATE 8176 RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10.32 Hz @ 25500
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SUNTIEN'S PAGE 21 of 22

CLIENT COCOAP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) _____
 DIGITAL REEL NUMBER 25

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to N
 DATE 25 d L m 77 y CREW NO. 6841
 WEATHER CLEAR-COOL TERRAIN Across Country

OBSERVERS REPORT

Form # PRG 105

No.	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	294	428	433		456	457		461	25			62	5		12:10					WIND 0-5 MPH	
2	295	429	434		457	458		461	↓			63	↓		12:30						
3	296	430	435		458	459		461				64			12:50						
4	297	431	436		459	460		461				65			1:10						
5	298	432	437		460	461						66			1:30						
6	299	433	438		(461)							67			1:50						
7	999	ALL ONES							END OF TAPE REEL											END OF LINE # 1	
8	EOF.																				
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE FV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600 GEO. INTERVAL 1/40s SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x224
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2200 CDP STACK 24 TOTAL SET-UPS 14 SURFACE COV. 1.166 Miles
 RECORD FILTER LOW-CUT 9HZ SAMPLE RATE 8MS RECORD LENGTH 50sec SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SUNTJEVIS PAGE 21 of 22

CLIENT COCOP
 PROSPECT SOCOAKO PROVINCE _____
 COUNTY SOCOAKO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER (32)

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 7 d 2 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

Form # PRG 105

DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumos.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	900	ALL OVER	(15 sec REC)																WIND 0.5 MPH	
2	11	16		39	40		63		1	120	5		6:30						STNS 53 & 54 NOISY (PUMPING STN)	
3	12	17		40	41		64			7			7:00						STNS .68 thru 71 NOISY (PANEL)	
4	13	18		41	42		65			2			7:20						NOTE TWO PEE #2'S ON TAPE	
5	14	19		42	43		66			3			7:50						NO. REC. #3 ON TAPE	
6	15	20		43	44		67			4			8:10							
7	16	21		44	45		68			5			8:40							
8	17	22		45	46		69			6			9:00							
9	18	23		46	47		70			7			9:20							
10	19	24		47	48		71			8			9:40							
11	20	25		48	49		72			9			10:00							
12	21	26		49	50		73			10			10:20							
13	22	27		50	51		74			11			10:40							
14	23	28		51	52		75			12			11:00							
15	24	29		52	53		76			13			11:20							
16	25	30		53	54		77			14			11:40							
17	26	31		54	55		78			15			12:00							
18																				
19																				
20																				

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IEP TAPE TRANSPORT MTT-17 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x256
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22800 CDP STACK 24 TOTAL SET-UPS 16 SURFACE COV. 1.333 Miles
 RECORD FILTER ALIAS 31.25 LOW-CUT 942 SAMPLE RATE 815 RECORD LENGTH 50 SEC SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25500
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In Out _____ OBSERVER SWITZER PAGE 31 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 32

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 8 d 2 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form #PRG 105

	DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumos.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	17	27	32		55	56		79	32			16	5		12:20					WIND 0-5 MPH	
2	18	28	33		56	57		80	✓			17	✓		12:40					STNS - 53 & 54 Noisy (PUMPING STN)	
3	19	29	34		57	58		81				18			12:00					STNS - 68 thru 71 Noisy (PANEL)	
4	20	30	35		58	59		82				19			1:20						
5	21	31	36		59	60		83				20			1:40						
6	22	32	37		60	61		84				21			2:00						
7	23	33	38		61	62		85				22			2:20						
8	24	34	39		62	63		86				23			2:40						
9	25	35	40		63	64		87				24			3:00						
10	26	36	41		64	65		88				25			3:20						
11	END								END OF TAPE REEL												
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL 400' SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER ALIAS 31.25 Hz LOW-CUT 9Hz SAMPLE RATE 9MS RECORD LENGTH 50 sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 sec
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ GO ~ NOTCH - In Out _____ OBSERVER SURTSJENS PAGE 31 of 37

CLIENT COCOAP
 PROSPECT SOCOANO PROVINCE _____
 COUNTY SOCOANO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 33

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-4 DIR. E to W
 DATE 8 d 2 m 77 y CREW NO. 6841
 WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	27	37	42		65	66		89	33			26	5		3:40					WIND 0-5 MPH	
2	28	38	43		66	67		90	↓			27	↓		4:00					STNS 53 & 54 NOISY (PUMPING STN)	
3	29	39	44		67	68		91				28			4:20					STNS 68 thru 71 NOISY (RANCH)	
4	30	40	45		68	69		92				29			4:40						
5	31	41	46		69	70		93				30			5:00						
6	32	42	47		70	71		94				31			5:20						
7	33	43	48		71	72		95				32			5:40						
8	34	44	49		72	73		96				33			6:00						
9	35	45	50		73	74		97				34			6:20					STNS 88, 89, 90 NOISY (RANCH)	
10	36	46	51		74	75		98				35			6:40						
11	37	47	52		75	76		99				36			7:00					STN # 99 OPEN (BAD CABLE)	
12	38	48	53		76	77		100				37			7:20					STN # 100 NOISY (RIVER)	
13	39	49	54		77	78		101				38			7:40					STN # 101, 102 & 104 OPEN (BANDS)	
14	40	50	55		78	79		102				39			8:00						
15	41	51	56		79	80		103				40			8:20					STN # 103 NOISY (RIVER)	
16	42	52	57		80	81		104				41			8:40						
17	43	53	58		81	82		105				42			9:00						
18	SKIP	54	59		82	83		106				43								SHIP - PIPELINES	
19	44	55	60		83	84		107				5			5:30						
20	45	56	61		84	85		108				6			6:00						

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VADIS SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS. RECORD LENGTH 50SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 25SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 NOTCH - In Out _____ OBSERVER SUNTJENS PAGE 22 of 37

CLIENT Cocoro
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 33

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 8 d 2 m 72 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

Form # PRG 105

DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	57	62	85	86			109	33			7	5			SHIP (GULLY)				STATUS 10, 102 & 104 OPEN (RIVERS)	
2	58	63	86	87			110	↓			8	↓	6:30						STATUS 68 thru 71 NOISY (RANCH)	
3	59	64	87	88			111				9		7:00						STATUS 88, 89 & 90 NOISY (RANCH)	
4	60	65	88	89			112				10		7:30						STATUS 100 & 103 NOISY (RIVER)	
5	61	66	89	90			113				11		8:00						STATUS 109, 110, 111 & 112 NOISY (?)	
6	62	67	90	91			114				12	4	8:50							
7	63	68	91	92			115				13	↓	9:00							
8	64	69	92	93			116				14		10:00						WAITING FOR PLANES	
9	EOF							END OF TAPE REEL												
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EV-22B FREQ. 25 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600 GEO. INTERVAL VARIIS SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE 1EP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER Low-cut 9Kv SAMPLE RATE 8MS RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32KZ @ 25sec.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ GO ~ NOTCH - In Out _____ OBSERVER SWIFT PAGE 17 of 17

CLIENT COCORP
 PROSPECT SOCORAO PROVINCE _____
 COUNTY SOCORAO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 34

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-14 DIR. E to W
 DATE 8 d 2 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form #PRG 105

DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1			Tr. 24	Tr. 25		DIGITAL	ANALOG				Charge	Depth						
1	53	65	70				93	94		117	34			15	4	10:20				WIND 0-5 MPH STNS 101, 102, 104 & 117 OPEN (BRIDGES)
2	54	66	71				94	95		118	↓			16	↓	10:40				STNS 88, 89 & 90 NOISY (RANCH)
3	55	67	72				95	96		119				17	5	11:40	WAITING	ON PLATES		STNS 100 & 103 NOISY (RIVER)
4	56	68	73				96	97		120				18	5	12:00				STNS 109, 110, 111, & 112 NOISY (?)
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VA015 SOURCE PATTERN 4X16 @ 704
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5X 672
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 42 SURFACE COV. 3.666 Miles
 RECORD FILTER LOW-CUT 9HZ SAMPLE RATE 8 MS RECORD LENGTH 50 SEC SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 2500
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In Out _____ OBSERVER SUNTJENS PAGE 34 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 34

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 9 d 2 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

Form # PRG 105

STATION	DIG. REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)				TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibros / Thumos		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	SKIP	69	74		97	98		121	34			19	4						WIND 0-5 MPH
2	SKIP	70	75		98	99		122				20	↓						STNS 101, 102, 104 & 111 OPEN (BRIDGE) SKIPS (RANCH)
3	SKIP	71	76		99	100		123				21							
4	57	72	77		100	101		124				22	5	12:30				STNS 100 & 103 NOISY (RIVER)	
5	58	73	78		101	102		125				23	↓	12:50					STNS 118 NOISY (CANAL)
6	59	74	79		102	103		126				24		1:10					STNS 126, 127, 128, 129, 130 NOISY
7	60	75	80		103	104		127				25	4	1:30					(STORE & FAWY)
8	61	76	81		104	105		128				26	↓	1:50					
9	62	77	82		105	106		129				27		2:10					
10	63	78	83		106	107		130				28		2:30					
11	64	79	84		107	108		131				29		2:50					
12	65	80	85		108	109		132				30		3:10					
13	66	81	86		109	110		133				31		3:30					
14	67	82	87		110	111		134				32		3:50					
15	68	83	88		111	112		135				33		4:10					
16	69	84	89		112	113		136				34		4:30					
17	70	85	90		113	114		137				35		4:50					
18	71	86	91		114	115		138				36		5:10					
19	72	87	92		115	116		139				37		5:30					
20	73	88	93		116	117		140				38		5:50					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARS SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER ALIAS 31.25Hz SAMPLE RATE 8175 RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32Hz @ 25380
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ GO ~ NOTCH - In Out _____ OBSERVER SUNTIENS PAGE 35 of 37

CLIENT COCORP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 34

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 9 d 2 m 77 y CREW NO. 6841
 WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PRG 105

	DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
			Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG				Charge	Depth						
1	SKIP	89	94		117	118		141	34		39		39	4							WIND 0-5 MPH
2	74	90	95		118	119		142	✓		40		40	↓		6:20					SKIP (ROAD & FENCE)
3	75	91	96		119	120		143			41		41			6:40					
4	76	92	97		120	121		144					42			7:00					
5	999	ALL ONES																			END OF TAPE REEL
6	93	LHW 104			SKIPS	(BOUGH AREA - RIVER ETC.)															
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16@600' GEO. INTERVAL VARIS SOURCE PATTERN 4X16@704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY _____
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-2200 CDP STACK 24 TOTAL SET-UPS _____ SURFACE COV. _____ Miles
 RECORD FILTER ALIAS 31.25HZ LOW-CUT 9HZ SAMPLE RATE 8MS RECORD LENGTH 50SEC SWEEP NUMBER _____ SWEEP FREQ. 10-32 HZ @ 25SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In / Out _____ OBSERVER SUNTIENS PAGE 36 of 37

CLIENT Cocora
 PROSPECT Socorro PROVINCE _____
 COUNTY Socorro (STATE) New Mexico
 DIGITAL REEL NUMBER 35

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 7 d 2 m 77 y CREW NO. 16841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN Rolling Country

Form #PRG 105

DIG. REC. NO.	SHOT / SWEEP / DROP / POINT	RECORD (split where applicable) STATIONS						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vibs. / Thumps.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS
		Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	77	105	110		133	134		157	35			28	5		5:30	(RECH 980 ALL ONES)				WIND 0-5 MPH
2	78	106	111		134	135		158				29	↓		5:50					STN # 117 OPEN (BRIDGE)
3	79	107	112		135	136		159				30			6:10					STN # 118 VERY NOISY (CANAL)
4	80	108	113		136	137		160				31			6:30					STNS 126, 127, 128, 129, 130 NOISY (STORE & FRWY)
5	81	109	114		137	138		161				32			6:50					STN 151 NOISY (POWER LINE)
6	82	110	115		138	139		162				33			7:10					
7	83	111	116		139	140		163				34			7:30					
8	84	112	117		140	141		164				35			7:50					
9	85	113	118		141	142		165				36			8:10					
10	86	114	119		142	143		166				37			8:30					
11	87	115	120		143	144		167				38			8:50					
12	88	116	121		144	145		168				39			9:10					
13	STNS 117 thru 120 SKIPS - UNABLE TO GET IN FIELD (CANALS)																			
14	89	121	126		149	150		173				44			9:40					
15	90	122	127		150	151		174				45			10:00					
16	91	123	128		151	152		175				46			10:20					
17	92	124	129		152	153		176				47			10:40					
18	STNS 125 thru 129 SKIPS - UNABLE TO VIB. (STORE & FRWY)																			
19	999 ALL ONES END OF TAPE REEL.																			
20	E.O.F.																			

GEOPHONE TYPE EV-22B FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x6 @ 600' GEO. INTERVAL 100' SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x 624
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 32 TOTAL SET-UPS 62 SURFACE COV. 5.166 Miles
 RECORD FILTER ALIAS, 31.25 HZ SAMPLE RATE 0.45 RECORD LENGTH 60 SEC SWEEP NUMBER _____ SWEEP FREQ. 10-3 2172 @ 25 SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In Out _____ OBSERVER SQUINTERS PAGE 37, 37

CLIENT SOCCO
 PROSPECT SOCCO PROVINCE _____
 COUNTY SOCCO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 13

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 4-A DIR E 10 W
 DATE 29 d 12 m 76 y CREW NO. 6841
 WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

OBSERVERS REPORT

Form # PKG 105

DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)						TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape of Correlator Display	CDP SWITCH POS.	No of Vibs. / Thumps		TIME of SHOT	TAPE SPEED	AMP-INITIAL GAIN	AMP-FINAL GAIN	Drag Offset	REMARKS
		Tr. 1	Tr. 24	Tr. 25	Tr. 48	DIGITAL	ANALOG	Charge	Depth											
1	500	ALL ONES (20 SEC REC)																		WIND 0-5 MPH
2	1	6		29	30		53	13			6	4		9:40					PRODUCTION SLOW BECAUSE OF TRAFFIC	
3	2	7		30	31		54	↓			7	↓		10:30					STNS 53 & 54 NOISY (PUMPING STA)	
4	3	8		31	32		55				8			12:00						
5	4	9		32	33		56				9			2:10						
6				33	34		58				10			3:00						
7																				
8																				
9																				
10																				
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12																				
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15																				
16																				
17																				
18																				
19																				
20																				

GEPHONE TYPE EV-220 FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARI-3 SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x64
 STATION INTERVAL 140 SPREAD DIMENSIONS 0-2200-2280 CDP STACK 29 TOTAL SET-UPS 4 SURFACE COV. 1333 Miles
 RECORD FILTER LOW-PASS 942 SAMPLE RATE 8Hz RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 SEC
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SUNTER PAGE 27 of 37

CLIENT COCOP
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 13

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 30 d 12 m 26 y CREW NO. 6811
 WEATHER CLEAR-COOL TERRAIN FLATNESS COUNTRY

OBSERVERS REPORT

Form # PRG 105

DIG-REC NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)							TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumos.		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS	
		Tr. 1		Tr. 24	Tr. 25			Tr. 48	DIGITAL	ANALOG				Charge	Depth							
1	5	5	10		33	34			57	13			10	4		9:20					WIND 0-5 MPH	
2	6	6	11		34	35			58	↓			11	↓		11:15					STNS. 53 & 54 NOISY (PUMPING STA)	
3																12:10					VERY HEAVY TRAFFIC	
4																					TOO MUCH TRAFFIC TO CONTINUE	
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EU-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARIOUS SOURCE PATTERN 4x16 @ 704'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4x32
 STATION INTERVAL 440' SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 2 SURFACE COV. .166 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS RECORD LENGTH 50sec. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25sec
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out OBSERVER SWATJENS PAGE 21 of 27

CLIENT Cocorp
 PROSPECT SOCORRO PROVINCE _____
 COUNTY SOCORRO (STATE) NEW MEXICO
 DIGITAL REEL NUMBER 13

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 1-A DIR. E to W
 DATE 3 d 1 m 26 y CREW NO. 6841
 WEATHER SNOWING TERRAIN ARIZONA COUNTRY

OBSERVERS REPORT

Form # PRG 105

DIG. REC. NO.	SHOT/SWEEP/DROP/POINT	RECORD (split where applicable)							TAPE NUMBER		DEAD TRACE NO.	Traces on An. Tape or Correlator Display	CDP SWITCH POS.	No. of Vib. / Thumps		TIME of SHOT	TAPE SPEED	AMP. INITIAL GAIN	AMP. FINAL GAIN	Drag Offset	REMARKS	
		Tr. 1		Tr. 24	Tr. 25		Tr. 48	DIGITAL	ANALOG	Charge				Depth								
1	7	7	12		35	36			59	13			12	5		9:10					WIND 0-5 MPH STNS 53 & 54 NOISY (FLUTTER STN)	
2	8	8	13		36	37			60	✓			13	✓		11:00					WIND 5-10 MPH.	
3	9	9	14		37	38			61				14			12:00					STNS 39 & 40 NOISY (TOWER BLOWING)	
4	10	10	15		38	39			62				15			12:30					IN WIND WIND 15-20 MPH	
5																2:40					TOO WINDY TO CONTINUE	
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

GEOPHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL VARIABLE SOURCE PATTERN 5x16 @ 792'
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTH-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x64
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 4 SURFACE COV. 0.333 Miles
 RECORD FILTER LOW-CUT 9Hz SAMPLE RATE 8MS. RECORD LENGTH 50 SEC. SWEEP NUMBER _____ SWEEP FREQ. 10-32 Hz @ 25 SEC.
 DEPART CAMP _____ ARRIVE FIELD _____ DEPART FIELD _____ ARRIVE CAMP _____ TOTAL HOURS _____
 BREAKDOWN HOURS _____ 60 ~ NOTCH - In _____ Out _____ OBSERVER SWATSON PAGE 26 of 37