

CLIENT Cocorp  
 PROSPECT Socorro PROVINCE \_\_\_\_\_  
 COUNTY Socorro (STATE) New Mexico  
 DIGITAL REEL NUMBER 29

PETTY-RAY GEOPHYSICAL INC.

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LINE NO. 4 DIR. N to S

DATE 31 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)						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	900	ALL ONES (25 sec. REC)																		WIND 5-10 MPH.
2	1	6		29	30			29				6	5	2:00					NOTE NOTCH FILTERS - IN	
3	SMP	7		30	31							7	↓						VIBS. OFFSET APPROX. 600' WEST	
4	2	8		31	32							8		2:40					OF LINE / SHIP - VERY STEEP HILL	
5	3	9		32	33							9		3:10					↓	
6	4	10		33	34							10		3:30						
7	5	11		34	35							11		3:50						
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 VADIS SOURCE PATTERN 5x16@792'  
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5x96  
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 6 SURFACE COV. .5 Miles  
 RECORD FILTER LOW-CUT 9Hz ALIAS 31.25 Hz SAMPLE RATE MS 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 SUNTJENS PAGE 1 of 1

CLIENT COCOAP  
 PROSPECT SOCOANO PROVINCE \_\_\_\_\_  
 COUNTY SOCOANO (STATE) NEW MEXICO  
 DIGITAL REEL NUMBER 29

LINE NO. 4 DIR. N to S  
 DATE 1 d 2 m 77 y CREW NO. 6841

PETTY-RAY GEOPHYSICAL INC.

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

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	SKIP	7	12		35	36		59	29			12	5						WIND 5-10 MPH	
2	6	8	13		36	37		60	↓			13	↓	8:20					SKIP - VERY STEEP HILL	
3	7	9	14		37	38		61				14		8:40					VIBS. OFFSET APPROX. 600' WEST OF LINE	
4	SKIP	10	15		38	39		62				15							↓	
5	8	11	16		39	40		63				16		9:00					SKIP - VERY STEEP HILL	
6	9	12	17		40	41		64				17		9:20						
7	10	13	18		41	42		65				18		9:40						
8	11	14	19		42	43		66				19		10:00					WIND 10-15 MPH.	
9	12	15	20		43	44		67				20		10:20						
10	13	16	21		44	45		68				21		10:40						
11	SKIP	17	22		45	46		69				22							SKIP - VERY STEEP HILL	
12	14	18	23		46	47		70				23		11:10					WIND 15-20 MPH.	
13	15	19	24		47	48		71				24		11:30						
14	SKIP	20	25		48	49		72				25								
15	SKIP	21	26		49	50		73				26							} SKIPS - VERY STEEP HILLS	
16	SKIP	22	27		50	51		74				27								
17	16	23	28		51	52		75				28	4	12:40					5th VIB. AT BOTTOM OF GULLY (UNABLE TO HEAR)	
18	17	24	29		52	53		76				29	↓	1:00						
19	SKIP	25	30		53	54		77				30							} SKIPS - VERY STEEP HILLS	
20	SKIP	26	31		54	55		78				31								

GEOPHONE TYPE EV-22B FREQ. 2.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2x16 @ 600' GEO. INTERVAL 1/2 DIS SOURCE PATTERN 5x16 @ 792'  
 AMPLIFIER TYPE IEP 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 1 of \_\_\_\_\_

CLIENT Cocorp  
 PROSPECT Socorro PROVINCE \_\_\_\_\_  
 COUNTY Socorro (STATE) New Mexico  
 DIGITAL REEL NUMBER 29

PETTY-RAY GEOPHYSICAL INC.

LINE NO. 4 DIR. N to S  
 DATE 1 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) STATIONS						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	18	27	32		55	56			79	29			32	4		1:30					WIND 15-20 MPH
2	SHIP	28	33		56	57			80	↓			33	↓							VIBS. OFFSET APPROX. 600' WEST OF LINE SHIP - VERY STEEP HILL
3	19	29	34		57	58			81				34			1:50					
4	20	30	35		58	59			82				35			2:10					
5	21	31	36		59	60			83				36			2:30					
6	22	32	37		60	61			84				37			2:50					
7	23	33	38		61	62			85				38			3:10					
8	24	34	39		62	63			86				39			3:30					
9	25	35	40		63	64			87				40			3:50					
10	26	36	41		64	65			88				41			4:10					
11																					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 VADIS SOURCE PATTERN 4X16 @ 704'  
 AMPLIFIER TYPE IFP TAPE TRANSPORT MYM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 4X 336  
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 30 SURFACE COV. 2.5 Miles  
 RECORD FILTER ALIAS 31.25 Hz LOW-CUT 9Hz SAMPLE RATE 8Ms RECORD LENGTH 50s ec. SWEEP NUMBER \_\_\_\_\_ SWEEP FREQ. 10-32Hz @ 25500  
 DEPART CAMP \_\_\_\_\_ ARRIVE FIELD \_\_\_\_\_ DEPART FIELD \_\_\_\_\_ ARRIVE CAMP \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_  
 BREAKDOWN HOURS \_\_\_\_\_ 60 ~ NOTCH - In  Out \_\_\_\_\_ OBSERVER SUNTSENS PAGE 2 of 2

CLIENT COCORP  
 PROSPECT SOCOARO PROVINCE \_\_\_\_\_  
 COUNTY SOCOARO (STATE) NEW MEXICO  
 DIGITAL REEL NUMBER 30

LINE NO. 4 DIR. N to S

PETTY-RAY GEOPHYSICAL INC.

DATE 2 d 2 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER LIGHT RAIN - 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 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	27	37	42	65	66		89	30			42	4		9:00						WIND 0-5 MPH	
2	28	38	43	66	67		90	↓			43	↓		9:20						VIBS OFFSET APPROX. 600' WEST OF LINE	
3	29	39	44	67	68		91				44			9:50						SNOWING	
4	30	40	45	68	69		92				45			10:10							
5	31	41	46	69	70		93				46			10:30							
6	32	42	47	70	71		94				47			10:50							
7	33	43	48	71	73		95				48			11:10						SNOWING HARD	
8	34	44	49	72	74		96				49			11:30							
9	SKIP	45	50	73	75		97				50									STEEP HILL	
10	SKIP	46	51	74	76		98				51									SAHA - VERY STEEP HILL	
11														12:00						DOING VST	
12																				SNOWING TOO HEAVY	
13																				TO CONTINUE	
14																					
15																					
16																					
17																					
18																					
19																					
20																					

GEOPHONE TYPE EV-22B FREQ. 2.5 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 4X128  
 STATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 34 TOTAL SET-UPS 10 SURFACE COV. 0.833 Miles  
 RECORD FILTER ALIAS 3/25 LOW-CUT 9Hz SAMPLE RATE 8MS RECORD LENGTH 50SEC SWEEP NUMBER \_\_\_\_\_ SWEEP FREQ. 10-32 @ 25SEC.  
 DEPART CAMP \_\_\_\_\_ ARRIVE FIELD \_\_\_\_\_ DEPART FIELD \_\_\_\_\_ ARRIVE CAMP \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_  
 BREAKDOWN HOURS \_\_\_\_\_ 60 ~ NOTCH - In  Out \_\_\_\_\_ OBSERVER SUNTJENS PAGE 1 of 1

CLIENT Cocopa  
 PROSPECT Socorro PROVINCE \_\_\_\_\_  
 COUNTY Socorro (STATE) New Mexico  
 DIGITAL REEL NUMBER 30

LINE NO. 4 DIR. N to S

DATE 5 d 2 m 77 y CREW NO. 6841

PETTY-RAY GEOPHYSICAL INC.

OBSERVERS REPORT

WEATHER CLEAR-COLD TERRAIN ACROSS COUNTRY

Form #PRG 105

STATIONS	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. / 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											
	35	47	52		75	76		99	30			23	5		8:30					WIND 0-5 MPH	
	36	48	53		76	77		100	↓			24	↓		8:50					↓	
	37	49	54		77	78		101				25			9:10						
	SKIP	50	55		78	79		101				26								} SKIPS - VERY STEEP HILL	
	SKIP	51	56		79	80		101				27									
	38	52	57		80	81		101				28			9:40						
	39	53	58		81	82		101				29			10:00						
	40	54	59		82	83		101				30			10:20						
	41	55	60		83	84		101				31			10:40						
	42	56	61		84	85		101				32			11:00						
	43	57	62		85	86		101				33			11:20					WIND 5-10 MPH	
	44	58	63		86	87		101				34			11:40						
	45	59	64		87	88		101				35			12:00						
	46	60	65		88	89		101				36			12:20						
	SKIP	61	66		89	90		101				37								} SKIPS - VERY STEEP HILL	
	SKIP	62	67		90	91		101				38									
	47	63	68		91	92		101				39			12:50						
	SKIP	64	69		92	93		101				40								} SKIPS - VERY STEEP HILL	
	SKIP	65	70		93	94		101				41									
	48	66	71		94	95		101				42			1:10						

GEOPHONE TYPE EV-220 FREQ. 2.5 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 8175 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 SUNTIENS PAGE 1 of \_\_\_\_\_

CLIENT Cocorp  
 PROSPECT SOCORRO PROVINCE \_\_\_\_\_  
 COUNTY SOCORRO (STATE) NEW MEXICO  
 DIGITAL REEL NUMBER 30

LINE NO. 4 DIR. N to S  
 DATE 5 d 2 m 77 y CREW NO. 6841

PETTY-RAY GEOPHYSICAL INC.

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

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 Vibrs. / 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	49	67	72		95	96		101	30			43	5		1:30				WIND 10-15 MPH	
2	50	68	73		96	97		101	↓			44	↓		1:50				VIBS. OFFSET APPROX. 600' WEST OF LINE ↓	
3	SHIP	69	74		97	98		101				45							SHIP - GULLY	
4	51	70	75		98	99		101				46			2:10				WIND 15-20 MPH.	
5	52	71	76		99	100		101				47			2:30					
6	EOP								END OF TAPE REEL											
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 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 ALIAS 31.25 Hz SAMPLE RATE 8 Ms. 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 SUNTJENS PAGE 2 of \_\_\_\_\_

CLIENT COCORP  
 PROJECT SOCORRO PROVINCE \_\_\_\_\_  
 COUNTY SOCORRO (STATE) NEW MEXICO  
 DIGITAL REEL NUMBER 31

PETTY-RAY GEOPHYSICAL INC.

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LINE NO. 4 DIR. N to S  
 DATE 5 d 2 m 77 y CREW NO. 6841

OBSERVERS REPORT

WEATHER CLEAR-COOL TERRAIN ACROSS COUNTRY

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											
53	72	77	100	101				31			48	5		2:50					WIND 15-20 MPH	
54	73	78	101					↓			49	↓		3:10						
55	74	79	101								50			3:30						
56	75	80	101								51			3:50						
57	76	81	101								52			4:10					WIND 10-15 MPH	
SKIP	77	82	101								53			<del>4:30</del>					} SKIPS - VERY STEEP HILL	
SKIP	78	83	101								54			<del>4:50</del>						
58	79	84	101								55	4		4:40					5th Vib. UNABLE TO MAKE	
59	80	85	101								56	↓		5:00					IT UPHILL (TOO STEEP)	
60	81	86	101								57			5:20						
61	82	87	101								58			5:40						
62	83	88	101								59			6:00						
63	84	89	101								60			6:20						
64	85	90	101								61			6:40						
999	ALL ONES.										<del>62</del>								END OF LINE	
																			END OF TAPE REEL	

PHONE TYPE EV-22B FREQ. 7.5 Hz. GEO. PER PATCH 32 PATCH PATTERN 2X16 @ 600' GEO. INTERVAL VARIOUS SOURCE PATTERN 5X16 @ 792'  
 AMPLIFIER TYPE IFP TAPE TRANSPORT MTM-12 SHOTS / SWEEPS / DROPS PER POINT 16 TOTAL FOR DAY 5X 480  
 TATION INTERVAL 440 SPREAD DIMENSIONS 0-2200-22880 CDP STACK 24 TOTAL SET-UPS 39 SURFACE COV. 3.25 Miles  
 RECORD FILTER LOW-CUT 9Hz ALIAS 31.25Hz SAMPLE RATE 8ms RECORD LENGTH 50 SEC. 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 3 of 3