

NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES
Open File Report 93

BASIC HEAT FLOW DATA IN NEW MEXICO
(that data taken by the New Mexico Bureau
of Mines and Mineral Resources and the
Geoscience Department, New Mexico
Institute of Mining and Technology)

Compiled by
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September, 1978

Organization of the compilation

The data are grouped according to numbered references.
Data within each group are listed alphabetically.

Detailed thermal conductivity data for a number of heat
flow sites (approximately fourteen sites) are not
available in a format compatible with computer tabulation.

Note: the reference list is on the following page.

References

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4. Reiter, M., C. Shearer, and C.L. Edwards, Geothermal anomalies along the Rio Grande rift in New Mexico, Geology, 6, 85-88, 1978.
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6. Reiter, M., G. Simmons, M. Chessman, T. England, H. Hartman, and C. Weidman, Terrestrial heat flow near Datil, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Annual Report, 33-37, 1976.

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Acknowledgements

The compilation was aided by computer programming assistance from John Hibler, David Pineda, and Dennis Blair. The compilation was sponsored by grant DOE Ew-78-S-07-1717.

ALBUQUERQUE (NM)

REF. 1 DATE LOGGED: 14 MARCH 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 03	106 31	1650	140-180	19.71± .96	10	FRAGMENTS	5.47± .32	1.08± .12	1.08	C

ALBUQUERQUE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	20.0 18.74	30.0 18.63	40.0 18.05	50.0 18.11	60.0 18.15	70.0 18.25	80.0 18.35	90.0 18.43	100.0 18.53	110.0 18.65	120.0 18.76	130.0 18.88
DEPTH TEMP	140.0 18.97	150.0 19.16	160.0 19.35	170.0 19.51	180.0 19.78	190.0 19.88	200.0 19.90	210.0 20.04	220.0 20.12	230.0 20.13	240.0 20.18	250.0 20.31
DEPTH TEMP	260.0 20.51	270.0 20.72	280.0 20.96	290.0 21.19	310.0 21.59	330.0 21.90						

ALBUQUERQUE (NM)

DEPTH (%) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	62.5	80.8	117.4	135.7	239.3	242.4	355.2	364.3
TH COND	5.51	5.56	5.40	4.90	5.60	5.16	5.96	5.66

ALBUQUERQUE/SE #1 (NM)

REF. 1 DATE LOGGED: 8 MARCH 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 56	106 33	1820	20-130	19.70± .00	13	FRAGMENTS	7.91± .00	1.56± .00	1.56	C

ALBUQUERQUE/SE #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	4.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	60.0	70.0
TEMP	13.74	15.93	16.39	16.53	16.68	16.82	16.96	17.07	17.18	17.28	17.53	17.71
DEPTH	80.0	90.0	100.0	120.0	130.0	140.0	150.0					
TEMP	17.90	18.04	18.16	18.28	18.39	18.47	18.52					

ALBUQUERQUE/SE #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	15.2	39.6	57.9	70.1	82.3	94.5	125.0	137.2	143.3
TH COND	7.31	7.49	7.33	8.30	7.89	7.00	8.41	8.66	7.90

ALBUQUERQUE/SE #2 (NM)

REF. 1 DATE LOGGED: 24 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 56	106 33	1820	30-130	17.50± .00	11	FRAGMENTS	8.15± .00	1.43± .00	1.43	C

ALBUQUERQUE/SE #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	16.05	16.70	16.98	17.19	17.55	17.65	17.88	18.04	18.13	18.21	18.36	18.50
DEPTH	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0				
TEMP	18.72	18.70	18.79	18.92	18.88	19.06	19.15	19.30				

ALBUQUERQUE/SE #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	39.6	57.9	70.1	82.3	94.5	106.7	118.9	125.0
TH COND	7.49	7.33	8.30	7.89	7.00	7.23	11.17	8.41

ANIMAS PEAK (NM)

REF. 1 DATE LOGGED: 18 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 58	107 32	1670	120-180	29.99± .25	6	CORE	5.45± .37	1.63± .13	1.70	A
			180-290	32.02± .07	9	CORE	5.54± .45	1.77± .15		

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH (M) / TEMP. (DEG. C)												
DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	20.01	20.08	20.20	20.36	20.54	20.78	21.00	21.25	21.53	21.81	22.10	22.39
DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0
TEMP	22.70	23.02	23.32	23.63	23.93	24.25	24.58	24.90	25.24	25.55	25.86	26.19
DEPTH	280.0	290.0	300.0									
TEMP	26.50	26.82	27.24									

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

[illegible]

AZTEC/NORTH (NA)

REF. 1 DATE LOGGED: 8 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH- INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 54	108 01	1870	80-380	29.09± .25	15	FRAGMENTS	4.46± .56	1.30± .18	1.46	A
			380-650	35.35± .33	12	FRAGMENTS	4.57± .66	1.62± .25		

AZTEC/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.2	106.7	137.2	167.7	198.2	228.7	259.1	289.6	324.7	358.2	370.4	391.8
TH COND	4.74	4.28	4.11	4.23	5.69	4.41	5.17	4.30	3.69	4.32	4.07	5.65
DEPTH	407.0	422.3	440.5	486.3	510.7	535.1	568.6	580.8	611.3	626.5	644.8	678.4
TH COND	5.88	4.41	4.19	4.99	4.88	3.83	3.84	4.43	4.11	4.34	4.24	4.06
DEPTH	690.7	714.9	736.3	764.5	788.1	803.4	824.7					
TH COND	4.99	4.77	3.96	4.31	4.87	4.08	4.26					

AZTEC/NE (NM)

REF. 1 DATE LOGGED: 10 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NU. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 50	107 55	1850	50-500	28.88± .14	24	FRAGMENTS	4.72± .57	1.36± .17	1.47	A
			500-710	39.58± .40	8	FRAGMENTS	3.98± .31	1.58± .14		

AZTEC/NE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	80.0	110.0	130.0	170.0	200.0	230.0	260.0	290.0	320.0	350.0	380.0
TEMP	13.55	14.56	15.40	15.95	17.06	18.01	18.82	19.80	20.67	21.50	22.25	23.14
DEPTH	410.0	440.0	470.0	500.0	530.0	560.0	590.0	620.0	650.0	680.0	710.0	740.0
TEMP	24.08	24.77	25.69	26.77	27.80	29.01	30.15	31.35	32.54	33.77	35.08	36.64
DEPTH	770.0	800.0	830.0	860.0								
TEMP	38.17	40.83	42.70	44.35								

AZTEC/NE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	50.3	59.5	68.6	80.8	86.9	111.3	114.3	147.9	178.4	214.9	224.1	254.6
TH COND	4.14	4.50	4.09	4.35	4.48	4.09	3.85	5.36	5.19	5.07	5.21	4.92
DEPTH	275.9	291.2	312.5	330.8	349.1	376.5	382.6	404.0	422.3	440.5	468.0	489.3
TH COND	5.74	5.46	5.01	4.35	5.27	4.22	4.37	4.05	5.59	4.38	5.28	4.24
DEPTH	516.8	541.2	580.8	599.1	626.5	669.2	647.9	693.6	721.0	751.5	769.8	791.2
TH COND	3.55	3.96	3.95	4.26	4.56	3.89	3.69	4.01	4.00	3.85	3.77	3.96
DEPTH	803.4	815.5	839.9	854.4								
TH COND	4.19	4.13	4.35	4.37								

BIRD/NORTH (NM)

REF. 1 DATE LOGGED: 5 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CN- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 13	107 19	1870	90-150	30.38± .92	5	FRAGMENTS	7.54±1.55	2.29± .55	2.58	C
			210-260	50.52±1.53	5	FRAGMENTS	6.79± .89	3.43± .57		
			250-300	45.64± .88	9	FRAGMENTS	6.02± .40	2.75± .24		
			290-340	30.90±2.47	8	FRAGMENTS	6.12± .76	1.89± .41		

B180/NORTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 15.52	40.0 15.98	50.0 17.10	60.0 17.84	70.0 18.60	80.0 18.76	90.0 18.97	100.0 19.16	110.0 19.52	120.0 19.90	130.0 20.12	140.0 20.41
DEPTH TEMP	150.0 20.77	160.0 21.36	170.0 21.68	180.0 22.04	190.0 22.10	200.0 22.16	210.0 22.22	220.0 22.61	230.0 23.17	240.0 23.61	250.0 24.26	260.0 24.68
DEPTH TEMP	270.0 25.17	280.0 25.62	290.0 26.13	300.0 26.49	310.0 26.86	320.0 27.21	330.0 27.49					

B180/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	218.0	224.1	230.2	254.6	260.7	272.9	279.0	294.2	307.9	318.6	324.7	339.9
TH COND	7.85	6.38	7.13	5.80	5.80	5.61	6.49	6.39	5.38	6.80	6.79	5.25

B160/SOUTH (NM)

REF. 1 DATE LOGGED: 5 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 12	107 19	1910	90-140	28.34±1.11	5	FRAGMENTS	7.54±1.55	2.14±.54	2.14	B

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

BIRD/SOUTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	132.6	138.7	144.8
TH COND	5.80	8.05	8.78

BIG RED CANYON (NM)

REF. 1 DATE LOGGED: 22 OCTOBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 44	107 21	1760	80-120	28.54±1.03	13	CORE	4.47±1.32	1.28±.44	1.28	C

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

BINGRA 4/NE (NM)

REF. 1 DATE LOGGED: 23 APRIL 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 57	106 17	1770	30-110	22.09±1.09	6	FRAGMENTS	6.59± .95	1.46± .29	1.46	B

BINGHAM/NE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
TEMP	16.56	16.80	16.94	17.06	17.30	17.50	17.79	18.12	17.16

BINGHAM/NE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	71.6	80.8	86.9	93.0	99.1	108.2
TH COND	5.13	5.88	7.57	7.51	6.90	6.52

BINGHAM/SOUTH (NM)

REF. 1 DATE LOGGED: 28 JANUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 53	106 21	1730	80-130	27.86± .28	5	FRAGMENTS	5.52± .28	1.54± .09	1.56	A
			130-180	29.92± .91	5	FRAGMENTS	5.29± .45	1.58± .19		

BINGHAM/SOUTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.0 17.74	15.0 17.81	20.0 17.87	25.0 17.89	30.0 18.09	35.0 18.11	40.0 18.15	45.0 18.22	50.0 18.31	55.0 18.33	60.0 18.49	65.0 18.56
DEPTH TEMP	70.0 18.72	75.0 18.79	80.0 18.94	85.0 19.01	90.0 19.25	95.0 19.29	100.0 19.50	105.0 19.60	110.0 19.79	115.0 19.55	120.0 20.05	125.0 20.14
DEPTH TEMP	130.0 20.33	135.0 20.49	140.0 20.66	145.0 20.78	150.0 21.02	155.0 21.21	160.0 21.30	165.0 21.41	170.0 21.52	175.0 21.67	180.0 21.83	185.0 21.98

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

[illegible]

BLANCO/EAST #1 (NM)

REF. 1 DATE LOGGED: 16 JULY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 45	107 43	1950	260-380	26.89± .28	5	FRAGMENTS	4.45± .08	1.20± .03	1.31	A
			380-450	29.19± .65	2	FRAGMENTS	4.86± .21	1.42± .09		

BLANCO/EAST #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 13.36	40.0 13.58	50.0 13.89	60.0 13.82	70.0 13.95	80.0 14.29	90.0 14.46	100.0 14.65	110.0 14.75	120.0 15.07	130.0 15.26	140.0 15.51
DEPTH TEMP	150.0 15.68	160.0 15.86	170.0 16.07	180.0 16.30	190.0 16.53	200.0 16.73	210.0 16.96	220.0 17.48	230.0 17.57	240.0 17.83	250.0 18.22	260.0 18.40
DEPTH TEMP	270.0 18.67	280.0 18.87	290.0 19.13	300.0 19.38	310.0 19.68	320.0 19.93	330.0 20.24	340.0 20.49	350.0 20.72	360.0 21.05	370.0 21.37	380.0 21.58
DEPTH TEMP	390.0 21.80	400.0 22.06	410.0 22.39	420.0 22.70	430.0 23.05	440.0 23.30	450.0 23.55					

BLANCO/EAST #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	260.7	307.9	329.3	381.1	411.6	439.0
TH COND	4.42	4.36	4.52	4.51	4.71	5.01

BLANCO/EAST #2 (NM)

REF. 1 DATE LOGGED: 17 JULY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 42	107 43	1960	230-450	28.94± .12	7	FRAGMENTS	4.59± .24	1.33± .08	1.33	A

BLANCO/EAST #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 12.13	50.0 12.94	70.0 13.05	90.0 13.05	110.0 13.64	130.0 14.27	150.0 14.86	170.0 15.37	190.0 16.14	210.0 16.73	230.0 17.44	250.0 17.96
DEPTH TEMP	270.0 18.55	290.0 19.13	310.0 19.69	330.0 20.34	350.0 20.90	370.0 21.43	390.0 22.05	410.0 22.66	430.0 23.18	450.0 23.74		

BLANCO/EAST #2

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	274.4	307.9	329.3	381.1	411.6	445.1
TH COND	4.42	4.36	4.52	4.51	4.71	5.01

BLANCO/NORTH (NM)

REF. 1 DATE LOGGED: 11 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 47	107 50	1840	220-520	29.01± .42	12	FRAGMENTS	5.94± .91	1.72± .29	1.72	B

BLANCO/NORTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	100.0	130.0	160.0	190.0	220.0	250.0	280.0	310.0	340.0	370.0	400.0	430.0
TEMP	17.83	18.52	19.15	19.62	19.89	20.88	21.61	22.58	23.33	24.09	25.08	25.71
DEPTH	460.0	490.0	520.0	550.0	580.0	610.0	640.0	670.0	700.0	730.0	760.0	790.0
TEMP	26.82	27.78	28.79	29.94	31.03	32.27	33.49	34.79	36.17	38.30	40.99	43.77

BLANCO/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	221.0	230.2	236.3	251.5	263.7	279.0	297.3	309.5	327.7	349.1	373.5	394.8
TH COND	5.79	6.14	5.99	4.74	6.43	6.88	7.27	7.25	5.57	5.66	5.02	4.55

BUCKMAN (NM)

REF. 1 DATE LOGGED: 14 SEPTEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 52	106 09	1810	30-90	34.17± .49	4	FRAGMENTS	5.06± .41	1.73± .17	1.91	B
			150-300	40.27± .17	7	FRAGMENTS	5.32± .49	2.14± .21		
			300-450	30.24± .45	8	FRAGMENTS	5.52± .48	1.67± .17		

BUCKMAN (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 14.95	40.0 15.24	50.0 15.57	60.0 15.91	70.0 16.27	80.0 16.64	90.0 16.98	100.0 17.37	110.0 17.74	120.0 17.92	130.0 18.51	140.0 18.93
DEPTH TEMP	150.0 19.51	160.0 19.86	170.0 20.27	180.0 20.69	190.0 21.10	200.0 21.53	210.0 21.96	220.0 22.34	230.0 22.73	240.0 23.09	250.0 23.48	260.0 23.88
DEPTH TEMP	270.0 24.29	280.0 24.75	290.0 25.16	300.0 25.52	320.0 26.26	340.0 26.91	360.0 27.51	380.0 28.08	400.0 28.69	420.0 29.24	440.0 29.91	

CARRIZO CREEK (NM)

REF. 1 DATE LOGGED: 12 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (HCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 39	107 40	1890	100-650	27.31± .19	49	FRAGMENTS	4.63± .57	1.26± .17	1.26	B

CARRIZO CREEK (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	100.0	150.0	200.0	250.0	300.0	350.0	400.0	450.0	500.0	550.0	600.0	650.0
TEMP	14.88	16.02	17.33	18.68	20.08	21.48	22.82	24.35	25.78	26.96	28.22	29.76
DEPTH	700.0	750.0	800.0	850.0	900.0							
TEMP	31.62	33.67	35.98	39.89	42.26							

CARRIZO CREEK (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	106.7	137.2	167.7	198.2	227.1	228.7	259.1	274.4	289.6	307.9	320.1	324.7
TH COND	4.28	4.11	4.23	5.69	4.17	4.41	4.55	4.61	4.45	4.55	4.93	3.69
DEPTH	344.5	350.6	358.2	370.4	381.1	391.8	393.3	407.0	411.6	419.2	422.3	439.0
TH COND	4.72	4.55	4.32	4.07	4.71	5.65	5.37	5.88	4.93	4.79	4.41	5.26
DEPTH	440.5	458.8	486.3	495.4	510.7	535.1	547.3	568.6	580.8	602.1	611.3	626.5
TH COND	4.19	5.81	4.69	4.09	4.88	3.83	4.23	3.84	4.43	4.89	4.11	4.34
DEPTH	644.8	702.7	730.2	759.8	812.5							
TH COND	4.13	5.39	4.38	4.48	5.70							

CARRIZOZO/HW (NM)

REF. 1 DATE LOGGED: 6 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 44	106 02	1700	80-220	26.54± .15	10	FRAGMENTS	5.36± .89	1.42± .25	1.44	B
			290-320	22.44±1.10	4	FRAGMENTS	4.94± .62	1.11± .20		
			330-360	20.98± .13	5	FRAGMENTS	6.90± .96	1.45± .21		

CARRIZOZO/NW (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 16.70	40.0 16.09	50.0 16.11	60.0 16.06	70.0 16.12	80.0 16.11	90.0 16.42	100.0 16.67	110.0 16.93	120.0 17.19	130.0 17.44	140.0 17.68
DEPTH TEMP	150.0 17.94	160.0 18.25	170.0 18.49	180.0 18.76	190.0 19.06	200.0 19.35	210.0 19.57	220.0 19.84	230.0 20.16	240.0 20.44	250.0 20.80	260.0 21.05
DEPTH TEMP	270.0 21.25	280.0 21.27	290.0 21.59	300.0 21.77	310.0 22.01	320.0 22.26	330.0 22.59	340.0 22.80	350.0 23.01	360.0 23.22		

CEDAR HILL/WEST (NM)

REF. 1 DATE LOGGED: 9 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
37 57	107 59	2000	50-700	35.06± .25	21	FRAGMENTS	4.30± .28	1.51± .11	1.51	A

CEDAR HILL/NEST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	50.0 13.28	100.0 15.05	150.0 16.94	200.0 18.63	250.0 20.30	300.0 21.96	350.0 23.73	400.0 25.29	450.0 26.84	500.0 28.84	550.0 30.98	600.0 32.62
DEPTH TEMP	650.0 34.37	700.0 36.24	750.0 38.17	800.0 40.17	850.0 42.36	900.0 45.05	950.0 48.52	1000.0 52.48				

CEDAR HILL/WEST (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	251.5	266.8	282.0	304.9	335.4	358.2	381.1	411.6	442.1	472.6	505.3	525.9
TH COND	4.67	5.02	4.11	4.55	3.85	4.32	4.06	4.06	4.30	4.34	4.26	4.49
DEPTH	551.1	575.5	602.1	633.4	649.4	698.9	703.5	741.6	779.7	904.0	934.5	987.8
TH COND	4.29	4.25	4.30	4.48	3.87	4.18	3.57	4.57	4.32	3.98	3.84	4.23

CHACO CANYON (NM)

REF. 1 DATE LOGGED: 14 NOVEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 02	107 54	1880	40-90	36.89± .40	3	FRAGMENTS	3.37± .00	1.24± .01	1.56	B
			100-150	36.16± .29	2	FRAGMENTS	4.17± .29	1.51± .12		
			140-170	41.59± .58	3	FRAGMENTS	3.82± .37	1.59± .18		

CHACO CANYON (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	14.02	14.21	14.61	14.84	15.20	15.60	15.97	16.32	16.68	17.11	17.49	17.84
DEPTH	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0			
TEMP	18.21	18.54	18.93	19.37	19.79	20.15	20.51	20.75	21.16			

CHACO CANYON (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	32.0	50.3	105.2	114.3	123.5	132.6
TH COND	3.37	3.37	4.38	3.96	3.40	4.09

CHACO SLOPE (NM)

REF. 1 DATE LOGGED: 25 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 51	107 24	2020	380-540	32.96±2.15	7	FRAGMENTS	4.50± .62	1.48± .31	1.49	A
			600-830	34.15± .34	8	FRAGMENTS	4.36± .74	1.49± .27		

CHACO SLOPE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	150.0 16.84	180.0 17.30	200.0 17.84	220.0 18.73	250.0 21.56	280.0 23.26	300.0 24.83	320.0 26.34	340.0 27.64	360.0 28.68	380.0 29.51	400.0 30.27
DEPTH TEMP	420.0 31.01	440.0 31.63	460.0 32.44	480.0 32.98	500.0 34.03	520.0 33.54	540.0 35.10	560.0 36.47	580.0 37.72	600.0 38.79	620.0 39.37	640.0 40.09
DEPTH TEMP	660.0 40.88	680.0 41.45	700.0 42.15	720.0 42.72	740.0 43.31	750.0 43.76	760.0 44.13	780.0 44.74	800.0 45.62	810.0 46.00	820.0 46.34	830.0 46.60

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

[illegible]

CHACO WASH (NM)

REF. 1 DATE LOGGED: 25 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 56	107 48	1970	40-100	37.41± .22	5	CORE	4.36± .75	1.63± .29	1.63	B

CHACO WASH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
TEMP	13.03	13.77	13.59	13.83	14.21	14.56	14.94	15.33	15.71	16.07

CHACO WASH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH					
TH COND	3.96	4.96	5.27	4.20	3.42

CHLORIDE #1 (NM)

REF. 1 DATE LOGGED: 22 MAY 1971

NOPEH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 19	107 42	2080	45-71	34.99± .85	3	CORE	6.86± .47	2.40± .23	2.73	B
			71-143	42.96± .53	5	CORE	7.60±2.17	3.26± .98		
			143-160	49.05±2.90	3	CORE	5.17± .32	2.54± .32		

CHLORIDE #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	26.7	35.6	44.6	53.5	62.4	71.3	80.2	89.1	98.0	106.9	115.8	124.7
TEMP	15.02	15.26	15.39	15.67	16.00	16.32	16.61	17.00	17.36	17.74	18.16	18.56
DEPTH	133.6	142.6	151.5	160.4	169.3							
TEMP	18.95	19.33	19.82	20.20	20.73							

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	44.2	61.0	76.2	94.5	118.9	128.0	137.8	140.2	152.4	161.6	167.1
TR COVD	7.08	6.32	7.18	7.51	10.92	6.69	4.98	7.91	5.45	4.82	5.24

CHLORIDE #2 (NM)

REF. 1 DATE LOGGED: 22 MAY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 19	107 42	2050	26-67	45.23±1.80	3	CORE	6.80±.34	3.08±.28	3.11	A
			86-162	42.37±.49	6	CORE	7.38±2.62	3.13±1.16		

CHLORIDE #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	28.5	38.0	47.6	57.1	66.6	76.1	85.6	95.1	104.6	114.1	123.6	133.1
TEMP	15.70	16.04	16.46	16.91	17.42	17.90	18.20	18.58	18.95	19.35	19.74	20.15

DEPTH	142.6	152.2	161.7	171.2
TEMP	20.56	20.97	21.45	21.86

CHLORIDE #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	41.2	61.0	73.2	96.0	125.0	131.1	139.9	151.5	160.7
	7.08	6.90	6.41	12.33	7.36	6.22	4.59	7.17	6.63

CHUPADERA MESA (NM)

REF. 1 DATE LOGGED: 14 SEPTEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 06	106 48	1533	70-130	33.17± .67	4	FRAGMENTS	6.69± .47	2.24± .21	2.20	A
			130-160	42.61±1.94	2	FRAGMENTS	5.06± .56	2.16± .35		

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	19.48	19.48	19.56	20.91	21.29	21.62	21.92	22.24	22.56	22.98	23.49	23.88
DEPTH	160.0	170.0										
TEMP	24.27	25.00										

CHUPADERA MESA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	71.6	88.4	100.6	115.9	137.2	160.1
TR COND	7.28	8.60	6.73	6.14	5.46	4.66

CLINES CORNERS (NM)

REF. 1 DATE LOGGED: 16 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 00	105 37	1980	60-150	12.13± .70	40	FRAGMENTS	6.76±1.16	0.82± .20	0.82	C

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	11.88	11.70	11.71	11.75	11.79	11.84	11.87	11.93	12.02	12.13	12.36	12.42
DEPTH	130.0	140.0	150.0									
TEMP	12.58	12.71	12.88									

CLINES CORNERS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	21.3 6.57	31.7 8.51	32.9 6.14	39.8 8.27	44.2 6.37	46.5 6.06	52.1 6.16	52.3 5.75	56.1 6.84	59.5 7.28	62.5 6.79	64.8 8.91
DEPTH TH COND	68.6 7.38	68.9 4.91	70.6 8.97	70.9 7.64	82.8 5.89	85.2 6.27	87.2 5.31	89.5 5.57	91.9 4.88	95.4 5.35	99.8 6.91	100.3 6.88
DEPTH TH COND	103.5 6.70	105.0 8.69	105.2 6.82	112.8 7.95	114.5 5.69	115.9 6.06	118.3 6.99	118.9 6.60	125.0 8.30	126.7 7.87	131.1 7.67	133.5 5.54
DEPTH TH COND	135.7 5.01	137.2 6.87	140.7 6.73	146.3 5.65								

CROWN POINT (NM)

REF. 1 DATE LOGGED: 23 AUGUST 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 49	108 08	2050	180-260	27.91± .46	6	FRAGMENTS	5.73± .70	1.60± .22	1.91	B
			300-380	47.04± .88	3	FRAGMENTS	4.70± .32	2.21± .19		

CROWN POINT (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	50.0 17.35	60.0 17.67	70.0 17.89	90.0 18.13	100.0 18.08	110.0 18.41	120.0 18.46	130.0 18.64	140.0 18.81	160.0 19.38	180.0 20.07	200.0 20.57
DEPTH TEMP	220.0 21.14	240.0 21.70	260.0 22.30	280.0 23.07	300.0 23.86	320.0 24.89	340.0 25.81	360.0 26.79	380.0 27.62	400.0 28.53	420.0 29.35	440.0 30.05
DEPTH TEMP	460.0 30.57	480.0 31.00	500.0 31.44	520.0 32.06								

CROWNPOINT (MM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.2	106.7	137.2	161.0	167.7	198.2	228.7	253.0	274.4	335.4	381.1
TH COND	5.60	6.39	6.45	6.61	6.89	7.21	5.99	5.16	4.99	4.36	4.75

CROWN POINT/EAST (NM)

REF. 1 DATE LOGGED: 20 JUNE 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 42	107 56	2020	50-150	31.40±1.24	4	FRAGMENTS	6.15± .47	1.93± .23	2.04	B
			170-210	29.12± .70	5	FRAGMENTS	7.39± .71	2.15± .26		

CROWN POINT/EAST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	70.0	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0
TEMP	15.92	16.37	17.68	17.72	18.50	18.90	19.75	20.36	20.91	21.98

CROWNPOINT/EAST (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	18.8	26.4	33.9	41.4	48.9
TH COND	5.60	6.39	6.45	6.49	7.89

DIXON (NM)

REF. 1 DATE LOGGED: 26 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 13	105 48	2270	70-100	42.72± .53	7	CORF	12.70±1.97	5.43± .92	5.25	B
			90-140	38.05± .33	12	CORE	13.30±1.53	5.06± .63		

DIXON (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	11.59	12.07	12.63	13.15	13.63	14.04	14.49	14.90	15.27	15.63	16.03	16.40

DIXON (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.8	89.9	97.3	107.0	116.2	124.7	130.8	139.9
TH COND	14.44	12.96	11.70	14.71	14.25	12.90	14.51	13.65

EL VADO/SW (NM)

REF. 1 DATE LOGGED: 30 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 32	106 51	2120	190-270	58.49±2.40	5	FRAGMENTS	4.73± .24	2.77± .26	1.60	B
			270-330	32.20± .60	3	FRAGMENTS	4.94± .40	1.59± .16		
			330-470	37.45± .46	7	FRAGMENTS	4.30± .35	1.61± .15		

EL VADO/SW (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	150.0	170.0	190.0	210.0	230.0	250.0	270.0	290.0	310.0	330.0	350.0	370.0
TEMP	14.24	14.80	15.53	16.86	17.83	19.30	20.16	20.75	21.43	22.08	22.83	23.54
DEPTH	390.0	410.0	430.0	450.0	470.0	490.0	510.0	530.0	550.0	570.0		
TEMP	24.22	24.96	25.75	26.55	27.36	28.36	29.23	30.06	31.02	33.08		

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	394.2	401.2	417.7
TH COND	4.40	4.86	4.15

FT CRAIG #1 (NM)

REF. 1 DATE LOGGED: 7 JUNE 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 37	107 08	1440	20-90	65.66±2.24	7	FRAGMENTS	5.03± .40	3.30± .38	3.30	C

FT CRAIG #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
TEMP	18.70	19.50	20.03	20.57	21.18	21.87	22.66	23.54	23.88

FORT CRAIG #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	25.9	35.1	44.2	45.7	74.7	83.8
TH COND	4.82	5.63	4.61	5.17	4.67	5.25

FT CRAIG #2 (NM)

REF. 1 DATE LOGGED: 7 NOVEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 37	107 08	1440	20-90	46.17±1.41	6	FRAGMENTS	5.03± .40	2.32± .26	2.32	C

FT CRAIG #2 (NH)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
TEMP	19.48	19.91	20.41	20.91	21.46	21.94	22.26	17.31

FORT CRAIG #2 (NN)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	25.9	35.1	44.2	45.7	74.7	83.8
TH COND	4.82	5.63	4.61	5.17	4.67	5.25

GALISTEO (NM)

REF. 1 DATE LOGGED: 24 JULY 1970

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 25	106 00	1870	40-200	30.94± .34	10	CORE	4.78± .43	1.48± .15	1.48	A

GALISTEO (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	15.05	15.27	15.51	15.80	16.09	16.40	16.70	17.03	17.35	17.72	17.96	18.34
DEPTH	160.0	170.0	180.0	190.0	200.0							
TEMP	18.63	18.98	19.32	19.65	19.89							

GALISTEO (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	4.89	5.01	4.61	4.74	4.21	4.04	5.23	5.27	5.05
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GALLUP/WEST #1 (NM)

REF. 1 DATE LOGGED: 11 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 33	108 46	1980	20-100	32.34± .38	2	FRAGMENTS	6.24± .24	2.02± .10	2.02	C

GALLUP/WEST #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
TEMP	12.47	12.77	13.07	13.39	13.73	14.05	14.34	14.70	15.03

GALLUP/WEST #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	73.2	79.3
TH COND	6.07	6.41

GALLUP/WEST #2 (NM)

REF. 1 DATE LOGGED: 11 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (KCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 35	108 51	2030	40-80	30.76± .68	3	FRAGMENTS	5.40± .42	1.66± .17	1.66	C

GALLUP/WEST #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0
TEMP	13.10	13.20	13.37	13.67	13.95	14.31	14.59

GALLUP/WEST #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	39.6	54.9	70.1
TH COND	5.22	5.83	5.17

GALLUP/WEST #3 (NM)

REF. 1 DATE LOGGED: 12 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 38	109 02	2070	30-80	22.05± .26	8	FRAGMENTS	5.77±1.03	1.27± .24	1.27	C

GALLUP/WEST #3 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
TEMP	13.12	12.60	12.79	13.02	13.25	13.47	13.68	13.96

GALLUP/WEST #3 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	27.4	33.5	39.6	45.7	57.9	61.0	68.6	76.2
TH COND	4.58	4.42	4.74	6.66	6.17	6.25	6.69	6.03

GALLUP/WEST #4 (NM)

REF. 1 DATE LOGGED: 11 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 33	108 46	1980	70-150	61.82±3.94	2	FRAGMENTS	6.24± .24	3.86± .40	3.86	C

GALLUP/WEST #4 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	14.87	15.27	15.68	16.24	16.55	17.29	18.19	19.25	19.65

GALLUP/WEST #4 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	73.2	79.3
TH COND	6.97	6.41

GAVILAN/EAST (NM)

REF. 1 DATE LOGGED: 28 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 22	106 54	2180	100-200	23.91± .53	3	FRAGMENTS	6.54±2.02	1.56± .53	1.51	B
			300-420	27.35± .74	4	FRAGMENTS	4.76± .32	1.30± .13		
			420-820	32.19± .39	13	FRAGMENTS	4.73± .76	1.52± .27		
			800-920	38.84± .48	4	FRAGMENTS	4.71± .39	1.83± .18		
			900-1300	29.43± .17	14	FRAGMENTS	4.54± .48	1.34± .15		

GAVILAN/EAST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	100.0 11.41	120.0 11.82	140.0 12.28	160.0 12.85	180.0 13.32	200.0 13.75	220.0 13.07	240.0 12.80	260.0 13.97	280.0 15.31	300.0 16.20	320.0 16.93
DEPTH TEMP	340.0 17.45	360.0 17.96	380.0 18.46	420.0 19.56	460.0 20.78	490.0 21.99	520.0 22.83	550.0 24.04	580.0 25.03	610.0 25.73	640.0 26.52	670.0 27.49
DEPTH TEMP	700.0 28.19	740.0 30.14	760.0 30.64	780.0 31.22	800.0 31.87	820.0 32.58	840.0 33.34	860.0 34.09	880.0 34.86	900.0 35.71	920.0 36.53	940.0 37.27
DEPTH TEMP	960.0 37.81	980.0 38.39	1000.0 38.99	1020.0 39.63	1040.0 40.23	1060.0 40.79	1080.0 41.43	1100.0 41.96	1120.0 42.54	1140.0 43.07	1160.0 43.63	1180.0 44.19
DEPTH TEMP	1200.0 44.81	1220.0 45.43	1240.0 46.04	1260.0 46.60	1280.0 47.18	1300.0 47.67	1320.0 48.13	1340.0 48.64	1360.0 49.15	1380.0 50.10	1400.0 50.71	

GAVILAN/EAST (MM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	126.5	163.1	190.5	309.5	346.0	373.5	400.9	437.5	464.9	498.5	525.9	553.4
TH COND	4.22	7.53	7.89	4.70	4.68	5.22	4.46	5.57	3.73	4.45	5.84	4.68
DEPTH	580.8	611.3	641.8	672.3	702.7	733.2	763.7	794.2	824.7	855.2	885.7	916.2
TH COND	4.86	4.14	4.03	4.92	6.24	4.82	4.16	4.12	4.50	4.29	5.16	4.88
DEPTH	977.1	1007.6	1038.1	1068.6	1099.1	1129.6	1160.1	1190.5	1221.0	1251.5	1282.0	
TH COND	3.88	3.90	3.76	4.44	4.29	4.86	5.03	5.08	4.75	5.06	4.67	

GODERNADOR/SOUTH (NM)

REF. 1 DATE LOGGED: 15 JULY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 36	107 21	2000	210-280	32.85± .20	2	FRAGMENTS	3.90± .15	1.28± .06	1.35	A
			280-400	30.22± .22	4	FRAGMENTS	4.68± .32	1.41± .11		

GOBERNADOR/SOUTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 12.88	40.0 12.94	50.0 13.13	60.0 13.34	70.0 13.67	80.0 13.89	90.0 14.14	100.0 14.58	110.0 14.89	120.0 15.17	130.0 15.50	140.0 15.90
DEPTH TEMP	150.0 16.16	160.0 16.45	170.0 16.73	180.0 17.07	190.0 17.32	200.0 17.56	210.0 17.85	220.0 18.20	230.0 18.51	240.0 18.84	250.0 19.19	260.0 19.49
DEPTH TEMP	270.0 19.81	280.0 20.17	290.0 20.44	300.0 20.76	310.0 21.01	320.0 21.30	330.0 21.63	340.0 21.94	350.0 22.26	360.0 22.58	370.0 22.90	380.0 23.15
DEPTH TEMP	390.0 23.47	400.0 23.74	410.0 23.98	420.0 24.24	430.0 24.47	440.0 24.74						

GOVERNADOR/SOUTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	227.1	259.1	289.8	320.1	350.6	394.8	419.2
Th COND	4.01	3.79	4.54	4.71	4.36	5.12	4.58

GRANITE GAP (NM)

REF. 1 DATE LOGGED: 14 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 07	108 56	1300	90-120	21.10± .18	3	FRAGMENTS	5.79± .51	1.22± .12	1.22	C

GRANITE GAP (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	21.10	21.22	21.35	21.54	21.74	21.96	22.17

GRANITE GAP (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	59.5	65.5	68.6	71.6	77.7	96.0	101.5	108.2
TH COND	6.21	5.33	7.06	6.39	6.00	6.94	6.29	5.75

GRANTS (NM)

REF. 1 DATE LOGGED: 30 SEPTEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 07	107 46	2030	80-220	30.05± .31	8	FRAGMENTS	6.59± .93	1.98± .30	1.68	C
			220-260	19.45± .30	4	FRAGMENTS	7.08± .45	1.38± .11		

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

GRANTS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	83.8	114.3	144.8	190.5	205.8	221.0	236.3	251.5
TH COND	8.42	6.55	5.81	6.35	7.61	7.89	8.19	9.06

HOLWEG (NM)

REF. 1 DATE LOGGED: 11 NOVEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 09	106 16	2090	60-140	23.33± .37	40	FRAGMENTS	6.76±1.16	1.58± .30	1.58	C

HOLWEG (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	12.49	12.66	12.79	12.97	13.19	13.54	13.79	14.02	14.31	14.54	14.74	14.97

DEPTH	130.0
TEMP	15.22

INDIANS SPRINGS (NM)

REF. 1 DATE LOGGED: 17 SEPTEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 18	107 26	2080	20-90	31.93± .36	9	FRAGMENTS	6.10± .50	1.95± .18	1.95	B

INDIAN SPRINGS (MM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
TEMP	15.10	15.43	15.76	16.08	16.41	16.72	16.98	17.36

INDIAN SPRINGS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	6.88	5.91	5.92	6.53	5.70	5.64
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LITTLE HATCHET MTN (NM)

REF. 1 DATE LOGGED: 17 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
31 54	108 26	1580	90-175	40.14±1.17	3	FRAGMENTS	5.72± .11	2.30± .11	2.30	B

LITTLE HATCHET MTN (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	TH COND	5.77	5.74	5.56	5.80
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LITTLE HATCHET MTN (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	22.25	21.71	20.90	21.12	21.38	21.64	21.92	22.18	22.47	22.79	23.31	23.90

DEPTH	140.0	150.0	160.0	170.0
TEMP	24.26	24.61	24.98	25.29

MAGDALENA/NW (NM)

REF. 1 DATE LOGGED: 4 FEBRUARY 1970

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 09	107 18	2000	90-190	43.99± .21	2	CORE	4.31± .60	1.90± .27	1.91	A
			170-300	40.44± .15	9	CORE	4.73± .61	1.91± .25		

MAGDALENA/NW (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	15.62	16.07	16.33	16.61	16.95	17.34	17.68	18.12	18.51	18.96	19.42	19.86
DEPTH	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0
TEMP	20.29	20.73	21.22	21.62	22.04	22.44	22.84	23.25	23.64	24.03	24.45	24.84
DEPTH	270.0	280.0	290.0	300.0								
TEMP	25.22	25.64	26.09	26.53								

MAGDALENA/NW (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	182.0	184.8	222.3	244.2	250.6	255.2	279.3	289.6
TH COND	3.88	4.74	5.15	5.10	4.85	5.73	4.11	4.29

MAGDALENA/WEST (NM)

REF. 1 DATE LOGGED: 7 APRIL 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 07	107 17	2020	20-90	22.68± .63	7	CORE	4.51± .26	1.02± .09	2.01	B
			120-180	38.93±1.19	4	CORE	5.17± .02	2.01± .07		

MAGDALENA/WEST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	14.64	16.06	16.32	16.55	16.61	16.77	17.06	17.16	17.33	17.50	17.78	18.01
DEPTH	130.0	140.0	150.0	160.0	170.0	180.0	190.0					
TEMP	18.41	18.63	18.99	19.27	19.53	19.79	20.09					

MAGDALENA/WEST (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	32.0	46.0	59.8	90.2	154.9	186.9
TH COND	4.23	4.67	4.79	4.35	5.15	5.18

MAKIANO LAKE (NM)

REF. 1 DATE LOGGED: 1 OCTOBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 38	108 19	2150	40-80	50.95±1.40	3	FRAGMENTS	4.56± .57	2.32± .36	2.35	B
			90-150	54.07± .49	2	FRAGMENTS	4.38± .58	2.37± .34		

MARIANO LAKE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	11.22	11.55	11.76	12.29	12.70	13.30	13.80	14.23	14.75	15.25	15.80	16.37

DEPTH	140.0	150.0	160.0
TEMP	16.94	17.44	17.88

MARIANO LAKE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	38.9	54.1	68.6	102.9	148.6
TH COND	5.20	4.36	4.10	3.97	4.79

MARQUEZ (NM)

REF. 1 DATE LOGGED: 1 AUGUST 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 17	107 15	2120	70-130	51.98±1.70	6	FRAGMENTS	4.11± .37	2.14± .27	2.14	B

MARQUEZ (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	13.77	13.78	14.09	14.59	14.24	14.49	14.81	15.36	15.80	16.45	17.03	17.95

MARQUEZ (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.2	106.7	137.2
TH COND	4.37	3.66	4.28

MARQUEZ/SE (NM)

REF. 1 DATE LOGGED: 1 AUGUST 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 15	107 13	1970	100-130	21.12± .47	3	FRAGMENTS	8.40± .70	1.77± .19	2.11	B
			130-180	33.91± .54	3	FRAGMENTS	5.49± .35	1.86± .15		
			160-300	32.34± .50	6	FRAGMENTS	6.51± .87	2.11± .32		

MARQUEZ/SE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0
TEMP	17.39	17.60	17.80	18.03	18.38	18.66	19.05	19.39	19.72	20.01	20.35	20.60
DEPTH	220.0	229.0	240.0	250.0	260.0	270.0	280.0					
TEMP	20.90	21.11	21.35	21.60	21.85	22.08	22.26					

MARQUEZ/SE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	99.1	114.3	125.8	141.0	160.1	175.3	190.5	220.3	251.5	266.8
TH COND	8.05	9.21	7.65	5.41	5.18	5.87	6.39	6.92	7.38	7.34

MIRAGE (NM)

REF. 1 DATE LOGGED: 29 OCTOBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLUX (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 22	107 40	1370	30-320	83.64± .31	11	CORE	11.57± .55	9.68± .50	9.68	B

MIRAGE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.0 21.12	20.0 21.99	30.0 22.72	40.0 23.07	50.0 24.20	60.0 25.06	70.0 25.93	80.0 26.68	90.0 27.60	100.0 28.32	110.0 29.07	120.0 30.10
DEPTH TEMP	130.0 30.95	140.0 31.80	150.0 32.73	160.0 33.63	170.0 34.53	180.0 35.36	190.0 36.23	200.0 36.98	210.0 37.81	220.0 38.56	230.0 39.28	240.0 40.03
DEPTH TEMP	250.0 40.80	260.0 41.65	270.0 42.48	280.0 43.42	290.0 44.28	300.0 45.09	310.0 45.97	320.0 46.85				

MIRAGE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	348.5	350.0	352.1	352.7	354.3	354.9	355.2	355.8	356.7
TH COND	11.93	12.15	11.59	11.47	10.40	11.44	11.98	11.14	11.54

MONTICELLO CAN #1 (NM)

REF. 1 DATE LOGGED: 9 AUGUST 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 34	107 36	1750	70-120	23.86±1.37	3	CORE	4.77± .03	1.14± .07	1.98	8
			100-230	41.58± .59	7	CORE	4.75± .08	1.98± .06		

MONTICELLO CAN #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	16.48	16.27	16.22	16.27	16.41	16.61	16.71	16.97	17.19	17.46	17.81	18.28

DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0
TEMP	18.50	18.80	19.17	19.49	19.80	20.12	20.34	20.83

MONTICELLO CAN #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	113.1	115.5	119.8	134.5	138.1	149.7	153.7
TH COND	4.77	4.75	4.80	4.70	4.73	4.61	4.86

MONTICELLO CAN #2 (NM)

REF. 1 DATE LOGGED: 14 SEPTEMBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 34	107 36	1910	110-190	79.25±1.22	8	CORE	7.09±2.41	5.62±2.03	4.73	B
			200-250	81.92±.90	9	CORE	5.77±.24	4.73±.25		

MONTICELLO CAN #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	50.0	60.0	70.0	90.0	100.0	110.0	130.0	150.0	170.0	190.0	200.0
TEMP	17.91	19.17	20.67	21.32	22.64	23.70	23.82	25.31	26.82	28.55	30.12	31.53
DEPTH	210.0	220.0	230.0	240.0	250.0							
TEMP	32.30	33.13	34.00	34.83	35.57							

MORIARTY/EAST (NM)

REF. 1 DATE LOGGED: 10 NOVEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 00	105 54	1980	60-115	26.98± .34		FRAGMENTS	6.75±1.16	1.82± .34	1.82	C

MORIARTY/EAST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	115.0
TEMP	13.31	13.87	14.13	14.29	14.53	14.65	14.93	15.21	15.45	15.76	16.00	16.14

MUNOZ CREEK (NM)

REF. 1 DATE LOGGED: 12 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/C* SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 36	107 25	1980	100-460	25.30± .16	9	FRAGMENTS	4.79± .57	1.21± .15	1.29	A
			460-820	29.32± .13	8	FRAGMENTS	4.65± .62	1.36± .19		

MUNUZ CREEK (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	227.1	259.1	289.6	320.1	350.6	394.8	419.2	458.8	495.4	547.3	602.1	644.8
TH COND	4.17	3.93	4.75	4.93	4.55	5.37	4.79	5.81	4.09	4.23	4.89	4.01
DEPTH	702.7	730.2	769.8	812.5								
TH COND	5.39	4.38	4.48	5.70								

NO AGUA (NM)

REF. 1 DATE LOGGED: 10 JANUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 46	105 58	2620	30-100	100.90±1.49	3	FRAGMENTS	3.24± .09	3.27± .14	3.02	B
			100-140	74.32±1.64	5	FRAGMENTS	4.84± .79	3.60± .68		
			160-220	64.27± .69	6	FRAGMENTS	4.28±1.01	2.75± .69		

NO AGUA (NH)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 12.38	40.0 13.42	50.0 14.40	60.0 15.37	70.0 16.41	80.0 17.48	90.0 18.62	100.0 19.31	110.0 20.15	120.0 20.88	130.0 21.62	140.0 22.29
DEPTH TEMP	150.0 23.65	160.0 23.59	170.0 24.21	180.0 24.83	190.0 25.55	200.0 26.19	210.0 26.75	220.0 27.44	230.0 30.17	240.0 31.81	250.0 32.13	260.0 32.19
DEPTH TEMP	270.0 32.26	280.0 32.32	290.0 32.34	300.0 32.41	310.0 32.46	320.0 32.77	330.0 33.16					

NO AGUA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	32.0	62.5	93.0	108.2	123.5	138.7	160.1	163.1	178.4	181.4	190.5
TH COND	3.28	3.14	3.30	4.52	5.73	4.25	3.90	3.41	3.69	5.96	4.43

NORTH BALDY (NM)

REF. 1 DATE LOGGED: 30 MARCH 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 02	107 13	2590	90-170	24.70±1.10	3	CORE	5.00± .61	1.24± .21	2.48	C
			150-210	33.86± .94	4	CORE	5.86± .88	1.98± .36		
			230-280	44.69±2.09	3	CORE	6.66± .23	2.98± .25		

NORTH BALDY (NN)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	50.0	70.0	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0	250.0
TEMP	8.37	8.64	8.97	9.26	9.88	10.25	10.72	11.31	12.06	12.73	13.37	14.18

DEPTH	270.0	280.0
TEMP	15.23	15.54

NORTH BALDY (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	101.5	121.3	154.6	177.7	204.6	256.1	262.2
TH COND	5.62	4.40	4.98	6.74	5.86	6.83	6.50

NORTH LAKE (NM)

REF. 1 DATE LOGGED: 4 AUGUST 1970

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 14	107 38	2130	61-122	37.07±1.51	8	CORE	4.37± .79	1.62± .37	1.91	A
			198-244	43.59± .52	8	CORE	4.37± .79	1.90± .37		
			274-305	43.65±1.65	8	CORE	4.37± .79	1.91± .43		

NORTH LAKE (NM)
 DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	61.0	76.2	91.4	106.7	121.9	137.2	152.4	167.6	182.9	198.1	213.3	228.6
TEMP	6.13	6.64	7.12	17.73	18.42	18.52	19.11	19.98	20.33	20.65	21.32	21.98
DEPTH	243.8	259.1	274.3	289.5	304.8							
TEMP	22.66	23.79	24.63	25.24	25.98							

NORTH LAKE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	4.92	3.23	4.76	3.50	4.81	5.01
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URGAN (NM)

REF. 1 DATE LOGGED: 21 APRIL 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 24	106 39	1360	120-150	30.60±1.06	7	FRAGMENTS	5.76± .24	1.76± .14	1.76	C

ORGAN (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.0 22.43	15.0 22.40	20.0 22.46	25.0 22.73	30.0 22.76	35.0 22.81	40.0 22.94	45.0 23.10	50.0 23.21	55.0 23.35	60.0 23.49	65.0 23.64
DEPTH TEMP	70.0 23.81	75.0 23.91	80.0 24.06	90.0 24.40	100.0 24.68	110.0 25.11	120.0 25.57	130.0 25.90	140.0 26.16	150.0 26.51		

ORGAN (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH					
TH COND	5.65	5.73	6.16	5.51	5.73

ORUGRANDE/NORTH (NM)

REF. 1 DATE LOGGED: 10 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 30	106 06	1370	20-50	32.54± .45	4	CORE	5.74± .65	1.87± .24	1.75	A
			70-150	28.37± .23	20	CORE	6.53±1.28	1.85± .38		
			140-300	30.54± .08	18	CORE	5.74±1.14	1.75± .35		
			270-370	32.28± .22	19	CORE	5.04± .10	1.63± .04		

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

ORUGRANDE/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	30.5 5.05	34.1 5.33	37.8 6.31	49.1 6.29	70.1 5.48	75.6 4.72	79.6 6.80	83.8 5.49	87.5 7.57	92.7 6.00	95.4 4.95	98.2 8.63
DEPTH TH COND	104.0 6.45	107.3 5.87	110.1 7.67	112.8 5.71	113.1 6.83	117.4 5.91	125.9 5.58	129.3 8.84	132.9 7.00	139.0 4.98	141.5 8.73	144.5 7.30
DEPTH TH COND	150.9 5.66	152.7 4.75	154.6 4.85	158.5 5.23	161.9 5.38	164.9 4.66	168.3 4.98	174.1 4.94	179.3 7.18	181.7 7.24	185.1 6.11	189.9 5.08
DEPTH TH COND	204.9 5.64	212.5 4.73	264.6 5.70	267.1 5.18	302.1 5.09	303.7 4.76	312.2 5.13	313.4 5.08	318.0 4.97	321.0 4.90	332.6 5.07	336.9 5.13
DEPTH TH COND	339.0 5.05	341.5 5.07	342.1 4.45	345.7 5.03	348.5 5.04	350.6 5.00	354.3 5.16	358.5 4.95	359.8 5.10	363.1 5.16	365.5 5.17	

ORTIZ MTN. (NM)

REF. 1 DATE LOGGED: 22 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 20	106 11	2560	230-350	27.90± .00	12	CORE	6.18± .00	1.72± .00	1.76	B

ORTIZ MTN (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 13.37	50.0 13.07	70.0 12.91	90.0 13.29	100.0 12.94	110.0 13.20	120.0 13.48	130.0 13.77	140.0 14.00	150.0 14.20	160.0 14.44	170.0 14.70
DEPTH TEMP	180.0 14.80	190.0 14.91	210.0 15.24	220.0 15.41	230.0 15.57	240.0 15.78	250.0 16.02	260.0 16.39	270.0 16.77	280.0 17.10	290.0 17.34	300.0 17.52
DEPTH TEMP	310.0 17.71	320.0 17.96	330.0 18.36	340.0 18.63	350.0 18.92	360.0 19.12	370.0 19.33	380.0 19.50	390.0 19.68			

ORTIZ MOUNTAIN (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	93.6 5.28	100.9 5.43	110.4 5.43	120.4 5.07	127.4 5.52	132.9 6.09	140.2 5.35	146.3 4.95	155.2 4.85	163.1 5.49	172.3 5.66	179.6 5.12
DEPTH TH COND	187.2 5.15	190.5 5.57	196.0 4.61	201.5 4.67	204.9 5.83	208.5 5.14	214.3 5.55	219.5 5.50	231.7 5.25	234.8 5.88	237.2 5.74	240.9 5.90
DEPTH TH COND	242.4 8.72	247.3 7.77	249.7 8.75	254.0 6.84	257.6 8.06	264.0 6.60	270.4 6.53	277.4 7.25	278.7 4.88	280.5 7.70	287.5 4.46	292.1 5.20
DEPTH TH COND	299.4 5.55	302.4 5.20	309.5 5.29	313.1 5.18	319.2 5.00	339.0 6.61	341.5 6.37	356.1 4.99				

PIETOWN/NORTH (NM)

REF. 1 DATE LOGGED: 24 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 19	108 07	2320	70-220	35.07± .43	7	CURE	4.42±1.29	1.55± .48	1.55	B

PIETOWN/NORTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	12.12	12.16	12.44	12.75	12.96	13.27	13.58	13.94	14.21	14.50	14.87	15.28
DEPTH	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0			
TEMP	15.73	16.19	16.32	16.76	17.07	17.40	17.87	18.11	18.37			

PIETOWN/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	3.02	4.35	6.34	6.16	3.33	3.96
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PIETOWN/NW (HM)

REF. 1 DATE LOGGED: 26 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 23	108 13	2300	50-150	48.13± .51	6	CORE	3.04± .28	1.46± .15	1.46	B

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	11.96	12.38	12.96	13.54	14.00	14.43	14.89	15.41	15.80	16.33	16.93	17.39

DEPTH	140.0	150.0	160.0
TEMP	17.82	18.29	18.61

PIETOWN/NW (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH							
TH COND							
	2.95	3.40	2.81	3.00	2.86	2.83	3.33

QUEMADO/SOUTH (NM)

REF. 1 DATE LOGGED: 1 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 20	108 30	1980	20-90	39.90± .68	4	CORE	4.95± .60	1.98± .28	1.98	C

QUEMADO/SOUTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
TEMP	11.77	12.20	12.66	13.04	13.46	13.79	14.24	14.56	14.84

QUESTA/EAST (NM)

REF. 1 DATE LOGGED: 7 JULY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 42	105 28	2620	180-360	22.76± .10	8	FRAGMENTS	7.93± .49	1.80± .12	2.04	A
			330-440	24.19± .17	7	FRAGMENTS	8.23± .43	1.99± .12		
			440-480	26.85± .50	3	FRAGMENTS	7.78± .24	2.09± .10		

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

RAILROAD CAN/NORTH (NM)

REF. 1 DATE LOGGED: 19 MARCH 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 45	107 49	2320	20-350	54.40± .87	7	CURE	3.21± .89	1.75± .52	1.75	B

RAILROAD CANYON/NORTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	20.0 13.42	30.0 14.00	40.0 14.57	50.0 15.01	60.0 15.56	70.0 16.10	80.0 16.92	90.0 17.68	100.0 18.34	110.0 19.00	120.0 19.66	130.0 20.67
DEPTH TEMP	140.0 21.30	150.0 21.88	160.0 22.33	170.0 22.88	180.0 23.36	190.0 23.84	200.0 24.34	210.0 24.82	220.0 25.28	230.0 25.76	235.0 25.98	240.0 26.20
DEPTH TEMP	250.0 26.64	260.0 26.91	270.0 27.16	280.0 27.72	290.0 28.26	300.0 28.81	310.0 29.32	320.0 29.86	330.0 30.44	340.0 31.03	350.0 31.67	

RAILROAD CAN/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	2.51	2.76	2.39	3.01	3.30	3.49	5.00
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RAILROAD CAN/SOUTH (NN)

REF. 1 DATE LOGGED: 10 MARCH 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 31	108 11	2130	20-150	61.77±1.09	7	CORE	3.21± .89	1.98± .59	1.98	B

RAILROAD CANYON/SOUTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	120.0	130.0	140.0
TEMP	13.21	13.70	14.25	14.84	15.38	16.03	16.66	17.43	18.15	18.87	19.71	20.67

DEPTH	150.0
TEMP	21.54

RAILROAD CAN/SOUTH (MM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	TH COND	2.51	2.76	2.39	3.01	3.30	3.49	5.00
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RATTLESNAKE (NM)

REF. 1 DATE LOGGED: 12 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 45	108 48	1620	80-100	31.74±1.76	5	FRAGMENTS	4.28± .28	1.36± .17	1.46	B
			130-160	41.99±1.63	3	FRAGMENTS	3.69± .09	1.55± .10		

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
TEMP	16.08	16.36	16.64	16.99	17.47	18.11	18.66	19.12	19.55	19.91	20.21	21.08

DEPTH 190.0
TEMP 21.69

RATTLESNAKE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	81.3	94.1	97.3	111.7	126.7	133.5	143.8	154.7
TH COND	4.56	4.00	4.29	4.16	3.96	3.82	3.75	3.62

RED MOUNTAIN (NM)

REF. 1 DATE LOGGED: 25 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 55	107 49	1980	90-140	39.04± .55	5	CORE	4.36± .75	1.70± .32	1.70	B

RED MOUNTAIN (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	14.53	14.05	14.27	14.60	14.87	15.15	15.48	15.84	16.27	16.68	17.02	17.62

RED MOUNTAIN (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TB COND	3.96	4.96	5.27	4.20	3.42
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RIO PUERCO #1 (NM)

REF. 1 DATE LOGGED: 4 MAY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLUX (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 13	107 01	1740	60-120	37.39± .28	5	FRAGMENTS	5.51± .25	2.06± .11	3.08	C
			140-180	56.18±1.93	3	FRAGMENTS	5.57± .32	3.13± .29		
			180-210	75.23±1.34	2	FRAGMENTS	5.38± .00	4.05± .07		

RIO PUERCO #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	60.0	80.0	100.0	120.0	140.0	160.0	170.0	180.0	190.0	200.0	210.0
TEMP	15.22	15.63	16.37	17.10	17.88	18.74	19.77	20.37	21.00	21.79	22.49	23.28

RIO PUERCO #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	144.8	160.1	175.3
TH COND	5.80	5.34	5.38

RIO PUERTO #2 (NM)

REF. 1 DATE LOGGED: 4 MAY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 12	107 01	1750	60-140	30.83± .81	4	FRAGMENTS	5.67± .28	1.75± .13	2.27	C
			160-190	55.78±2.65	2	FRAGMENTS	5.01± .12	2.79± .20		

RIO PUERCO #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	15.27	16.00	16.23	16.01	16.21	16.43	16.81	17.09	17.42	17.72	18.06	18.44
DEPTH	150.0	160.0	170.0	180.0	190.0							
TEMP	18.83	19.26	19.73	20.28	19.17							

RIO PUERCO #2 (NM).

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.2	106.7	137.2	167.7	190.5
TH COND	5.98	5.43	5.60	5.09	4.92

RIO PUERCO #3 (NM)

REF. 1 DATE LOGGED: 1 APRIL 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 12	107 05	1830	60-120	35.66± .22	3	FRAGMENTS	5.70± .39	2.03± .15	2.66	C
			120-150	49.12± .57	1	FRAGMENTS	5.60± .00	2.75± .03		
			150-170	60.01± .78	1	FRAGMENTS	5.34± .00	3.20± .04		

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

RIO PUERCO #3 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	18.8	26.4	33.9	39.5
TH COND	5.98	5.43	5.60	5.34

SAN FELIPE/EAST (NM)

REF. 1 DATE LOGGED: 4 APRIL 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 18	106 15	1920	70-120	22.33± .34	5	FRAGMENTS	5.73± .55	1.28± .14	1.86	B
			120-180	31.48±1.56	3	FRAGMENTS	5.43± .33	1.71± .19		
			170-260	36.58± .78	4	FRAGMENTS	5.51± .18	2.02± .11		

SAN FELIPE/EAST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	14.38	14.62	15.06	15.35	15.69	15.88	16.12	16.34	16.56	16.81	17.14	17.48
DEPTH	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0
TEMP	17.73	18.25	18.34	18.69	19.15	19.62	19.81	20.10	20.57	20.92	21.28	21.70

SAN FELIPE/EAST (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	70.1	85.4	109.8	118.9	131.1	146.3	176.8	192.1	213.4	243.9
TH COND	5.24	6.19	6.21	5.26	5.47	5.07	5.74	5.40	5.33	5.59

SAN MATEO MESA (NM)

REF. 1 DATE LOGGED: 31 JULY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 20	107 37	2530	100-280	28.30± .35	9	CORE	5.47± .53	1.55± .17	1.66	B
			280-400	32.16± .32	9	CORE	5.47± .53	1.76± .19		

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

SAN PEDRO #1 (NM)

REF. 1 DATE LOGGED: 3 APRIL 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 15	106 11	2160	30-160	19.04± .10	9	CORE	7.04±1.06	1.34± .21	1.34	B

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	
TEMP	11.09	11.28	11.49	11.67	11.83	12.03	12.21	12.41	12.61	12.77	12.96	13.19	
DEPTH	150.0	160.0											
TEMP	13.38	13.58											

SAN PEDRO # 1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	61.3	65.2	77.4	101.8	106.1	125.0	141.8	146.3	160.1
TH COND	6.17	5.48	7.43	7.84	7.48	6.51	8.96	6.12	7.33

SAN PEDRO #3 (NM)

REF. 1 DATE LOGGED: 3 APRIL 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 15	106 11	2160	40-80	15.84± .33	3	CORE	6.50± .33	1.03± .07	1.29	A
			80-160	23.05± .14	4	CORE	5.60± .26	1.29± .07		
			180-270	21.57± .16	7	CORE	6.23±1.76	1.34± .39		
			310-400	19.92± .12	13	CORE	6.26±1.56	1.25± .32		

SAN PEDRO #3 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	70.0	130.0	170.0	190.0	210.0	230.0	250.0	270.0	290.0	310.0	330.0
TEMP	12.48	12.64	13.70	14.54	15.04	15.55	16.04	16.45	16.85	17.00	17.47	17.61
DEPTH	370.0	390.0	400.0	410.0	420.0	430.0	440.0	450.0	460.0	470.0	480.0	490.0
TEMP	17.83	17.92	17.97	18.02	18.08	18.14	18.21	18.25	18.34	18.41	18.48	18.57

SIERRA BLANCA (NM)

REF. 1 DATE LOGGED: 13 NOVEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 28	105 47	2440	20-140	34.44± .21	6	FRAGMENTS	5.39± .51	1.86± .19	1.77	A
			130-250	30.36± .13	10	FRAGMENTS	5.49± .75	1.67± .24		

SIERRA BLANCA (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	10.21	10.50	10.85	11.22	11.56	11.92	12.29	12.64	12.97	13.31	13.64	13.96
DEPTH	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0
TEMP	14.27	14.58	14.89	15.18	15.46	15.75	16.07	16.41	16.71	17.02	17.28	17.61

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	20.4	30.5	32.9	33.8	68.0	121.6	141.5	147.0	190.5	212.2	221.3	230.5
TH COND	5.24	5.07	6.42	5.29	5.27	5.09	7.10	4.57	5.51	5.82	5.37	5.00

DEPTH	239.9	250.0
TH COND	5.25	5.26

SILVER CITY (NM)

REF. 1 DATE LOGGED: 23 MARCH 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 47	108 16	1830	70-200	20.68± .17	16	CORE	9.89±1.88	2.05± .41	2.33	A
			200-260	31.60±2.70	9	CORE	7.93±1.91	2.51± .87		
			260-350	25.42± .07	20	CORE	9.51±2.02	2.42± .52		

SILVER CITY (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 18.61	40.0 18.65	50.0 18.73	60.0 18.88	70.0 19.00	80.0 19.16	90.0 19.36	100.0 19.57	110.0 19.79	120.0 20.00	130.0 20.21	140.0 20.39
DEPTH TEMP	150.0 20.56	160.0 20.82	170.0 21.01	180.0 21.24	190.0 21.45	200.0 21.69	210.0 21.97	220.0 22.26	230.0 22.26	240.0 22.91	250.0 23.25	260.0 23.57
DEPTH TEMP	270.0 23.86	280.0 24.13	290.0 24.41	300.0 24.65	310.0 24.92	320.0 25.13	330.0 25.39	340.0 25.64	350.0 25.88	360.0 26.16	370.0 26.44	380.0 26.74
DEPTH TEMP	390.0 27.01	400.0 27.30	410.0 27.60	420.0 27.90	430.0 28.19							

SILVER CITY (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	138.4 10.76	148.2 9.54	151.8 10.05	155.8 9.94	160.4 13.06	164.0 10.75	164.9 6.87	175.0 9.56	182.3 6.72	193.6 11.93	199.7 9.61	223.2 6.74
DEPTH TH COND	231.1 8.21	232.6 11.53	243.9 6.55	251.5 6.61	257.6 7.94	272.3 7.04	279.0 10.74	279.9 10.62	282.3 8.96	283.5 9.64	290.5 10.42	293.6 11.62
DEPTH TH COND	301.8 10.18	309.1 10.15	311.9 10.61	314.0 12.19	316.2 12.34	327.4 7.10	333.2 5.78	340.9 7.87	348.8 6.83			

STEINS (NM)

REF. 1 DATE LOGGED: 13 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 10	109 02	1290	100-310	47.31± .17	21	FRAGMENTS	6.17± .41	2.92± .21	2.92	A

STEINS (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
TEMP	23.94	24.74	26.03	26.44	26.89	27.30	27.81	28.22	28.69	29.17	29.65	30.13
DEPTH	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0
TEMP	30.60	31.04	31.57	32.04	32.52	32.99	33.49	34.00	34.40	34.93	35.39	35.92

STEINS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	24.8 6.54	29.2 5.87	30.4 6.34	32.2 5.87	36.8 5.81	37.2 6.34	39.5 6.34	42.2 7.04	45.3 6.31	47.0 5.88	52.2 6.49	55.0 5.83
DEPTH TH COND	58.5 6.58	59.7 6.51	62.7 5.81	65.2 6.05	67.8 6.50	69.0 6.34	71.5 6.05	73.5 6.11	74.2 5.08			

TABLE MESA #1 (NM)

REF. 1 DATE LOGGED: 13 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 37	108 37	1690	170-230	22.12± .14	6	FRAGMENTS	5.34± .50	1.18± .12	2.30	B
			270-390	52.24± .39	7	FRAGMENTS	4.41± .31	2.30± .18		

TABLE MESA #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	110.0	130.0	150.0	170.0	190.0	210.0	230.0	250.0	270.0	290.0	310.0	330.0
TEMP	15.81	16.46	17.25	17.82	18.26	18.70	19.15	19.79	20.58	21.54	22.69	23.70
DEPTH	350.0	370.0	390.0	410.0								
TEMP	24.74	25.73	26.85	27.64								

TABLE MESA #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	173.8	186.0	198.2	222.6	275.9	291.2	309.5	327.7	336.9	355.2	385.7
TH COND	5.99	5.33	5.24	4.79	4.18	4.38	4.10	4.82	4.20	4.85	4.32

TABLE MESA #2 (NM)

REF. 1 DATE LOGGED: 12 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 37	108 37	1690	120-180	37.86±1.42	4	FRAGMENTS	5.99± .26	2.27± .19	2.29	B
			180-240	20.95± .24	5	FRAGMENTS	5.06± .26	1.06± .07		
			280-420	52.41± .62	11	FRAGMENTS	4.40± .34	2.31± .21		

TABLE MESA #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	100.0	110.0	120.0	140.0	160.0	180.0	200.0	220.0	240.0	260.0	280.0	300.0
TEMP	15.07	15.29	15.52	16.16	17.04	17.75	18.16	18.60	19.00	19.57	20.37	21.27
DEPTH	320.0	340.0	360.0	380.0	400.0	420.0						
TEMP	22.42	23.48	24.58	25.62	26.69	27.54						

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

[illegible]

TAOS #1 (NM)

REF. 1 DATE LOGGED: 29 JANUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 27	105 35	2130	60-110	37.41± .54	7	FRAGMENTS	5.94± .13	2.22± .08	2.29	B
			110-140	41.68± .27	3	FRAGMENTS	5.66± .15	2.36± .08		

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	10.73	10.87	11.05	11.28	11.59	11.91	12.31	12.69	13.09	13.43	13.84	14.06
DEPTH	140.0											
TEMP	14.67											

TAUS #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	9.1	22.9	38.1	53.4	68.6	83.8	99.1	114.3	131.1
TH COND	5.83	5.97	5.71	5.96	6.13	5.98	5.96	5.76	5.55

TIERA AMARILLA #2 (NM)

REF. 1 DATE LOGGED: 23 AUGUST 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 23	106 23	2130	40-80	31.69± .75	5	FRAGMENTS	7.38± .58	2.34± .24	2.34	C

TIERA AMARILLA #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0
TEMP	7.99	8.44	8.41	8.66	9.02	9.33	9.66

TIERRA AMARILLA #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	44.2	53.4	67.1
TH COND	7.75	6.70	7.67

T OR C NORTH (NM)

REF. 1 DATE LOGGED: 7 JUNE 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 17	107 16	1650	20-160	42.99±1.36	12	FRAGMENTS	5.12± .32	2.20± .21	2.20	B

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	18.93	19.12	19.47	19.79	20.12	20.43	20.80	21.18	21.70	22.51	22.86	23.48
DEPTH	140.0	150.0	160.0									
TEMP	23.83	24.26	24.62									

T OR C NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	25.9	35.1	44.2	45.7	74.7	93.0	102.1	111.3	126.5	138.7	147.9	157.0
TH COND	4.82	5.63	4.61	5.17	4.67	5.02	5.12	5.48	5.38	5.40	5.07	5.06

TRES PIEDRAS (NM)

REF. 1 DATE LOGGED: 13 JANUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 39	105 59	2590	60-130	50.88± .69	10	FRAGMENTS	5.23± .61	2.66± .35	2.66	B

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	12.14	12.77	13.48	14.34	14.84	15.48	15.93	16.40	16.90	17.42	17.93	19.16
DEPTH	150.0	160.0	170.0									
TEMP	19.23	19.30	19.80									

TRES PIEDRAS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	61.0	67.1	79.3	89.9	99.1	105.2	117.4	123.5	126.5
TH COND	4.63	4.74	5.25	5.11	6.66	5.61	5.10	5.04	4.89

VERMAJO PARK (NM)

REF. 1 DATE LOGGED: 22 SEPTEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 54	104 55	2320	30-85	55.45±1.70	3	FRAGMENTS	5.16± .29	2.86± .25	2.86	C

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
TEMP	10.49	10.73	10.86	10.97	11.16	11.43	11.63	11.87	12.24	12.48	12.58	12.99
DEPTH	70.0	75.0	80.0									
TEMP	13.19	13.57	14.08									

VERMAJO PARK (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	TH COND	4.98	5.49	5.01
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VERNAJO RIVER (NM)

REF. 1 DATE LOGGED: 28 JULY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 45	104 53	2260	30-1350	47.07± .17	53	FRAGMENTS	4.11± .57	1.93± .28	1.93	A

VERMAJO RIVER (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 12.28	50.0 12.66	70.0 13.32	90.0 14.48	110.0 15.43	130.0 16.12	150.0 16.86	170.0 17.52	190.0 18.33	210.0 19.12	230.0 19.87	250.0 20.95
DEPTH TEMP	270.0 21.79	290.0 22.62	310.0 23.38	330.0 24.29	350.0 25.21	370.0 26.46	390.0 27.15	410.0 27.96	430.0 28.77	450.0 29.58	470.0 30.44	490.0 31.32
DEPTH TEMP	510.0 32.44	530.0 33.47	550.0 34.36	570.0 35.29	590.0 36.28	610.0 37.36	630.0 38.30	650.0 39.28	670.0 40.32	690.0 41.42	710.0 42.43	730.0 43.55
DEPTH TEMP	750.0 44.56	770.0 45.40	790.0 46.21	810.0 47.32	830.0 48.55	850.0 49.68	870.0 50.83	890.0 51.77	910.0 52.42	930.0 53.15	950.0 53.97	970.0 54.85
DEPTH TEMP	990.0 55.83	1010.0 56.83	1030.0 57.81	1050.0 58.83	1070.0 59.87	1090.0 60.91	1110.0 61.94	1130.0 62.99	1150.0 63.76	1170.0 64.52	1190.0 65.43	1210.0 66.23
DEPTH TEMP	1230.0 67.19	1250.0 68.10	1270.0 69.03	1290.0 70.01	1310.0 71.00	1330.0 71.91	1350.0 72.85					

VERMAJO RIVER (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	147.9	178.4	196.6	239.3	269.8	300.3	330.8	361.3	391.8	422.3	452.7	491.9
TH COND	3.73	4.41	4.19	3.52	2.04	4.56	3.08	2.78	4.40	4.04	4.15	4.34
DEPTH	558.1	586.7	638.6	652.9	680.6	709.5	737.2	774.8	803.0	832.3	858.2	885.7
TH COND	3.88	4.33	4.17	4.10	3.84	3.98	4.33	5.03	3.80	3.84	3.91	3.81
DEPTH	907.0	933.7	961.9	999.5	1028.2	1056.6	1084.3	1121.8	1150.8	1178.8	1207.0	1235.8
TH COND	5.06	4.46	4.82	3.96	4.27	4.04	4.20	4.08	5.09	4.44	4.65	3.94
DEPTH	1263.7	1291.8	1311.6	1340.1								
TH COND	4.49	4.12	4.31	4.18								

WAGON WHEEL (NM)

REF. 1 DATE LOGGED: 15 NOVEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 00	105 43	1980	30-100	23.76± .24	40	FRAGMENTS	6.76±1.16	1.61± .29	1.61	B

WAGON WHEEL (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	13.00	13.13	13.46	13.68	13.92	14.18	14.43	14.63	14.86	15.13	15.44	15.72

WHITE SANDS #2 (NM)

REF. 1 DATE LOGGED: 20 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 17	106 24	1230	120-150	41.44±2.65	12	FRAGMENTS	5.51± .23	2.28± .25	2.28	B

WHITE SANDS #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
TEMP	20.31	22.66	22.79	22.80	22.80	22.80	22.82	22.97	23.37	23.70	24.24	25.57

WHITE SANDS #3 (NM)

REF. 1 DATE LOGGED: 20 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 26	106 27	1220	90-130	37.84±6.83	12	FRAGMENTS	5.51± .23	2.08± .48	2.08	C

WHITE SANDS #3 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
TEMP	25.15	25.89	25.75	26.66	26.74	27.13	27.41	27.44	27.48	27.81

WHITE SANDS #1 (NM)

REF. 1 DATE LOGGED: 20 DECEMBER 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 32	106 25	1220	190-230	23.30±1.44	12	FRAGMENTS	5.52± .22	1.29± .13	2.18	8
			240-290	39.48± .82	12	FRAGMENTS	5.51± .25	2.18± .15		

WHITE SANDS #4 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0
TEMP	26.50	26.70	26.73	26.76	26.79	26.81	26.82	26.86	27.26	28.00	28.17	28.37
DEPTH	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0			
TEMP	28.69	28.91	29.36	29.80	30.19	30.60	30.92	31.38	31.74			

WHITE SANDS #4 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	192.8	201.2	210.4	219.5	228.7	238.6	248.5	258.4	269.1	279.0	287.3	298.8
TH COND	5.67	5.73	5.54	5.17	5.47	5.41	5.77	5.27	5.17	5.43	5.75	5.76

ZUNI PIA MESA (NM)

REF. 1 DATE LOGGED: 18 OCTOREP 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 58	108 45	2130	50-150	24.87± .30	3	CURE	7.40± .11	1.84± .05	2.96	B
			200-240	50.61± .90	3	CORE	5.89± .77	2.98± .45		
			240-280	71.59±1.60	2	CORF	4.09± .86	2.93± .69		

ZUNI PIA MESA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	6.72	6.79	8.68	6.76	5.29	5.61
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HOLE A (NM)

REF. 2 DATE LOGGED: 30 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 53	106 40	2600	70-110	128.1±4.4	2	FRAGMENTS	5.22	6.7		
			120-170	122.2±2.6	2	FRAGMENTS	4.92	6.0		

HOLE A (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	12.14	14.61	16.83	18.67	19.84	20.28	21.41	22.58	23.94	25.43	28.17	29.58
DEPTH	140.0	150.0	160.0	170.0								
TEMP	30.75	32.07	33.05	34.38								

HOLE A (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	76.5	91.5	137.2	152.4
TH COND	5.04	5.39	4.98	4.86

HOLE B (NM)

REF. 2 DATE LOGGED: 31 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 56	106 40	2720	40-110	187.6±3.5	3	FRAGMENTS	2.72	5.1		
			110-140	239.7±4.0	1	FRAGMENTS	4.23	10.1		
			140-160	140.0±3.8	1	FRAGMENTS	5.02	7.0		

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	10.12	11.36	12.43	14.19	16.36	18.62	19.94	21.83	23.60	25.69	28.19	30.62
DEPTH	140.0	150.0	160.0									
TEMP	32.87	34.34	35.67									

HOLE B (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	45.7	92.1	107.0	122.0	153.0
TH COND	3.12	2.48	2.55	4.23	5.02

HOLE C (NM)

REF. 2 DATE LOGGED: 31 MAY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 58	106 38	2750	60-90	143.4±7.6	3	FRAGMENTS	3.30	4.7		
			90-150	248.6±5.9	7	CORE & FRAGS	4.0	9.9		
			150-210	147.4±1.3	3	CORE & FRAGS	5.28	7.8		

HOLE C (NM) .

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	9.87	11.22	12.69	14.77	17.79	18.93	20.43	22.07	24.47	26.50	29.55	32.23
DEPTH	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0				
TEMP	34.68	36.55	38.07	39.55	40.93	42.36	43.91	45.49				

HOLE C (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	61.0	61.3	76.5	91.8	93.3	107.0	122.3	137.2	153.0	199.1
TH COND	2.28	4.33	3.30	2.47	4.16	3.30	5.04	3.62	4.71	5.58

HOLE D (NM)

REF. 2 DATE LOGGED: 1 JUNE 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 53	106 43	2670	20-60	111.6±1.1	2	FRAGMENTS	4.28	4.8		
			70-140	67.5±.5	3	CORE & FRAGS	5.62	3.8		

HOLE D (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	11.92	13.01	14.08	15.27	16.37	17.46	18.15	18.86	19.55	20.22	20.88	21.54

DEPTH	140.0
TEMP	22.17

HOLE D (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	30.5	45.7	61.0	91.8	107.0	122.3
COND	4.28	4.29	3.48	4.70	6.53	5.64

HOLE DT5A (NM)

REF. 2 DATE LOGGED: 18 JANUARY 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 49	106 18	2160	110-190	29.6± .3						
			180-280	25.1± .2						
			330-360	23.1±1.9						

HOLE DT5A (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	11.54	11.71	11.91	12.17	12.21	12.26	12.38	12.52	12.73	12.98	13.29	13.58
DEPTH	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0
TEMP	13.89	14.18	14.49	14.80	15.05	15.33	15.56	15.82	16.09	16.35	16.59	16.82
DEPTH	270.0	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0		
TEMP	17.06	17.31	17.46	17.60	17.74	17.85	18.00	18.19	18.40	18.71		

HOLE GT-1 (NM)

REF. 2 DATE LOGGED: 14 JULY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 54	106 40	2700	60-140	137.9±2.5						
			140-480	125.0±5.3						
			490-640	94.8±2.2						
			640-720	40.8±4.3						

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

HOLE 1 (NM)

REF. 2 DATE LOGGED: 19 DECEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 57	106 39	2670	10-20	235.142.0						

HOLE 1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	13.0	16.0	19.0	20.0
TEMP	8.65	9.32	10.02	10.75	10.99

HOLE 2 (NM)

REF. 2 DATE LOGGED: 20 DECEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 54	106 39	2620	7-14	166.7±8.9						
			10-14	145.8±1.7						

HOLE 2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	7.0	10.0	13.0	14.0
TEMP	8.12	8.71	9.16	9.29

HOLE 3 (NM)

REF. 2 DATE LOGGED: 20 DECEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 49	106 33	2570	10-19	226.4±4.5						
			22-30	93.1±2.1						

HOLE 3 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	13.0	16.0	19.0	22.0	25.0	28.0	30.0
TEMP	8.57	9.27	9.89	10.62	10.95	11.20	11.50	11.69

HOLE 4 (NM)

REF. 2 DATE LOGGED: 21 DECEMBER 1971

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 50	106 22	2440	10-20	21.2±1.1						

HOLE 4 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.0 8.61	13.0 8.56	16.0 8.49	19.0 8.42	20.0 8.40

HOLE 5 (NM)

REF. 2 DATE LOGGED: 14 JANUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE GF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 51	106 22	2500	10-27	43.6± .8						

HOLE 5 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	13.0	16.0	19.0	22.0	25.0	27.0
TEMP	9.30	9.75	9.56	9.71	9.82	9.97	10.03

HOLE 8 (NM)

REF. 2 DATE LOGGED: 12 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
5 53	106 40	2600	10-16	273.8± .1						
			19-28	106.8±5.1						

HOLE 8 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	13.0	16.0	19.0	22.0	25.0	28.0
TEMP	9.03	9.85	10.67	11.27	11.61	11.97	12.30

HOLE 9 (NM)

REF. 2 DATE LOGGED: 12 FEBRUARY 1972

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
05 53	106 42	2510	10-25	129.0±2.0						

HOLE 9 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	13.0	16.0	19.0	22.0	25.0
TEMP	9.23	9.62	10.03	10.43	10.76	11.18

SOCORRO PEAK EAST NO. 1 (NM)

REF. 3 DATE LOGGED: 8 AUGUST 1970

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLGW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 04	106 57	1560	11-51	159. ± 2.	7	CORE	7.33+ .67	11,7+1.2		

SOCORRO PEAK/EAST #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.7	20.7	30.7	40.7	50.7	60.7
	35.33	36.81	38.57	40.11	41.65	42.63

SOCORRO PEAK EAST NO. 1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	8.36	6.98	6.33	7.87	7.14	7.04	7.60
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SOCORRO PEAK EAST NO. 2 (NM)

REF. 3 DATE LOGGED: 26 DECEMBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 04	106 57	1512	10-20	245. ±24.						
			25-40	159. ±11.						

SUCORRO PEAK/EAST #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	40.0
TEMP	20.93	21.92	23.38	24.46	25.44	25.99	26.92

BLUE CANYON EAST NO. 1 (NM)

REF. 3 DATE LOGGED: 22 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 03	106 56	1493	10-20	119. $\pm$ 20.						
			35-70	35.5 $\pm$.2						

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

BLUE CANYON EAST NO. 2 (NM)

REF. 3 DATE LOGGED: 25 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 03	106 56	1509	10-20	98.2±12.2						
			25-35	39.2± .7						
			40-60	19.3± .4						
			70-100	24.3± .7						

BLUE CANYON/EAST #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
TEMP	17.97	18.58	18.95	19.04	19.23	19.43	19.51	19.61	19.69	19.80	19.89	19.99
DEPTH	70.0	75.0	80.0	85.0	90.0	95.0	100.0					
TEMP	20.13	20.29	20.43	20.55	20.68	20.80	20.89					

SOCORRO CANYON EAST (NM)

REF. 3, DATE LOGGED: 1 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 01	106 56	1536	10-20	83.7±14.3						
			25-60	45.6± 2.4						
			90-110	50.1± 6.6						

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	40.0	50.0	60.0	70.0	80.0	90.0
TEMP	17.83	18.39	18.67	18.59	18.83	19.05	19.23	19.61	20.26	20.94	21.14	21.34

DEPTH	100.0	110.0
TEMP	21.98	22.34

NOGAL ARROYO NO. 1 (NM)

REF. 3 DATE LOGGED: 4 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 06	106 55	1417	10-20	96.2± 6.7						

NOGAL ARROYO #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0
TEMP	18.15	18.69	19.11

NOGAL ARROYO NO. 2 (NM)

REF. 3 DATE LOGGED: 4 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 06	106 55	1451	10-20	93.9±13.4						

NOGAL ARROYO #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0
TEMP	17.43	18.04	18.37

N. M. TECH GOLF COURSE (NM)

REF. 3 DATE LOGGED: 15 MARCH 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 04	106 55	1417	10-20	96.9± 1.9						
			20-25	44.4						

N. M. TECH GOLF COURSE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0
TEMP	15.87	16.34	16.84	17.06

SNAKE RANCH FLATS NO. 1 (NM)
 REF. 3 DATE LOGGED: 8 JUNE 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 07	107 05	1786	10-20	107. $\pm$ 10.						
			20-30	73.0						

NOGAL CANYON (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	25.0	30.0	35.0
TEMP	15.64	16.41	16.62	16.89	17.01	17.17

NOGAL CANYON (NM)

REF. 3 DATE LOGGED: 9 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 05	107 00	1695	10-20	97.9±28.6						
			15-25	47.8± 3.5						
			25-35	28.0± 2.4						

N. H. TECH CORP (NM)

SNAKE RANCH FLATS #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	15.0	20.0	30.0
TEMP	14.42	15.05	15.49	16.62

SNAKE RANCH FLATS NO. 2 (NM)

REF. 3 DATE LOGGED: 9 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 07	107 05	1786	30-40	44.2						
			40-50	20.7						
			50-80	10.2± .4						

SNAKE RANCH FLATS #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0
TEMP	16.99	17.43	17.64	17.65	17.69	17.97

ADEN HILLS (NM)

REF. 4 DATE LOGGED: 30 MARCH 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 09	107 03	1325	150-230	46.6± .2	..	..	..	..		

ADEN HILLS (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0
TEMP	28.76	29.18	29.65	30.11	30.58	31.06	31.52	32.02	32.46	32.69

BLACK RANGE 1 (NM)

REF. 4 DATE LOGGED: 19 DECEMBER 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 17	107 43	2098	180-230	43.8± .4	5	CORE	5.37± .44	2.36± .21		B

BLACK RANGE 1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	16.33	17.53	17.59	17.63	17.71	17.94	18.17	18.41	18.68	18.97	19.22	19.43
DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0				
TEMP	19.68	19.90	20.14	20.56	20.90	21.31	21.70	22.07				

JORNADO (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	19.65	19.85	20.09	20.32	20.58	20.86	21.15	21.46	21.78	22.11	22.36

LAS CRUCES N.E. (NM)

REF. 4 DATE LOGGED: 23 JANUARY 1975

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
2 22	106 40	1366	130-350	40.1± .1	..	..	..	..		

LAS CRUCES N.E. (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0
TEMP	25.04	25.44	25.87	26.25	26.64	27.05	27.46	27.86	28.26	28.66	29.05	29.45
DEPTH	250.0	260.0	270.0	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	
TEMP	29.86	30.27	30.68	31.07	31.45	31.87	32.28	32.70	33.12	33.47	33.83	

LAS CRUCES S.W. (NM)

REF. 4 DATE LOGGED: 16 JUNE 75

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 08	106 51	1280	150-210	20.6± .5	..	..	..	..		
			230-290	15.3± .3						
			300-360	48.3±1.6						
			360-490	30.1± .2						

LAS CRUCES S.W. (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	150.0 24.81	160.0 25.06	170.0 25.31	180.0 25.48	190.0 25.65	200.0 25.87	210.0 26.08	220.0 26.81	230.0 27.21	240.0 27.40	250.0 27.51	260.0 27.66
DEPTH TEMP	270.0 27.81	280.0 27.99	290.0 28.16	300.0 28.19	310.0 28.56	320.0 29.03	330.0 29.40	340.0 30.02	350.0 30.56	360.0 31.04	370.0 31.41	380.0 31.76
DEPTH TEMP	390.0 32.07	400.0 32.37	410.0 32.66	420.0 32.97	430.0 33.28	440.0 33.58	450.0 34.00	460.0 34.14	470.0 34.44	480.0 34.71	490.0 35.02	

MONTICELLO (NM)

REF. 4 DATE LOGGED: 5 APRIL 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 25	107 25	1756	50-90	53.5±3.6						
			90-135	44.8±1.5	2	CORE	8.11	3.64		b

MONTICELLO (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	95.0	100.0	105.0	110.0	115.0
TEMP	17.10	19.26	19.99	20.69	21.11	21.41	22.00	22.37	22.42	22.62	22.71	23.08
DEPTH	120.0	125.0	130.0	135.0								
TEMP	23.21	23.42	23.64	23.85								

MONTICELLO (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH 119.0 119.0
THERMAL COND 7.54 8.67

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PECOS 1 (NM)

REF. 4 DATE LOGGED: 17 DECEMBER 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 45	105 39	2463	80-101	14.1± .2						
			101-130	17.2± .3						
			130-170	24.3± .1	6	CURE	8.74±1.32	2.13± .34		B

PECOS 1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	61.0	70.0	80.0	90.0	101.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
TEMP	10.49	10.42	10.47	10.60	10.75	10.89	11.04	11.22	11.44	11.67	11.90	12.13

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BLACK RANGE 2 (NM)

REF. 4 DATE LOGGED: 20 DECEMBER 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 17	107 43	2065	80-200	39.7± .1	14	CORE	5.86± .60	2.33± .24		B

BLACK RANGE 2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	15.46	16.08	16.66	17.17	17.61	18.06	18.45	18.85	19.22	19.62	20.00	20.37
DEPTH	150.0	160.0	170.0	180.0	190.0	200.0						
TEMP	20.77	21.17	21.54	21.96	22.36	22.72						

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CABALLO (NM)

REF. 4 DATE LOGGED: 8 AUGUST 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
12 53	107 15	1451	30-221	26.5± .3	8	FRAGMENTS	7.39±1.33	1.96± .37		B

CABALLO (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 21.94	41.0 22.13	50.0 22.35	60.0 22.56	70.0 22.77	80.0 23.02	90.0 23.26	100.0 23.52	110.0 23.74	120.0 24.05	130.0 24.36	140.0 24.63
DEPTH TEMP	150.0 24.93	160.0 25.22	170.0 25.49	180.0 25.78	190.0 26.03	200.0 26.31	210.0 26.58	221.0 26.86	231.0 27.17	240.0 27.41		

CABALLO

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH (M)	135.0	165.0	285.0	315.0	510.0	530.0	590.0	640.0
W COND	8.75	8.07	8.40	5.81	7.33	8.01	6.35	7.41

JORNADO (NM)

REF. 4 DATE LOGGED: 2 MAY 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 58	107 06	1515	50-80	22.6± .4	..	..	..	..		
			90-140	30.5± .4						

PECOS 1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	128.4	132.6	134.4	142.4	153.7	158.5
COND	7.45	6.56	6.28	9.02	9.91	10.60

PECOS 2 (NM)

REF. 4 DATE LOGGED: 17 DECEMBER 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 45	105 39	2470	30-60	46.9± .1						
			70-170	31.0± .2	7	CORE	8.23±1.47	2.56± .48		B

PECOS 2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	8.82	9.20	9.59	9.98	10.24	10.52	10.78	11.07	11.29	11.55	11.84	12.03

DEPTH	150.0	160.0	170.0
TEMP	12.35	12.59	12.81

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PT. OF ROCKS 1 (NM)

REF. 4 DATE LOGGED: 14 MARCH 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 48	106 52	1356	170-230	53.3±1.0	..	..	..	..		
			240-270	158. ±4.						
			280-300	66.5± .5						

PT. OF ROCKS 1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0
TEMP	22.46	22.70	22.87	23.06	23.21	23.46	23.93	24.37	24.94	25.55	26.02	26.48
DEPTH	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0				
TEMP	27.14	28.07	29.45	31.20	32.78	33.97	34.64	35.30				

PT. OF ROCKS 2 (NM)

REF. 4 DATE LOGGED: 14 MARCH 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 48	106 54	1334	180-200	29.9±2.6	..	..	..	..		
			200-240	100. ±5.						
			240-270	140. ±1.						
			280-300	76.3±5.2						

PT. OF ROCKS 2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	120.0	130.0	140.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0
TEMP	24.48	24.75	24.80	25.07	25.23	25.17	25.52	25.77	26.42	27.51	28.68	29.67
DEPTH	250.0	260.0	270.0	280.0	290.0	300.0						
TEMP	31.01	32.47	33.88	34.89	35.76	35.86						

ORGAN N. 1 (NM)

REF. 4 DATE LOGGED: 24 JUNE 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 27	106 36	1530	80-310	29.5± .1	8	CORE	10.1 ± .9	3.00± .28		
			310-840	36.7± .1	43	CORE	8.81±1.86	3.24± .68		B

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

ORGAN N. 1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH H COND	172.0 19.83	175.0 19.21	178.0 21.27	181.0 18.90	194.0 23.35	233.0 20.30	252.0 22.94	273.0 19.16	494.0 6.55	500.0 5.73	511.0 6.89	525.0 6.13
DEPTH H COND	538.0 8.48	541.0 7.62	543.0 6.64	546.0 9.59	549.0 12.13	553.0 10.08	556.0 10.60	560.0 10.18	561.0 11.58	567.0 10.47	569.0 8.89	574.0 8.75
DEPTH H COND	575.0 8.30	610.0 10.84	612.0 7.73	614.0 7.10	621.0 10.17	622.0 9.79	627.0 7.78	630.0 7.43	633.0 8.06	636.0 7.80	643.0 7.49	648.0 7.39
DEPTH H COND	652.0 7.73	656.0 8.31	657.0 11.89	662.0 8.63	670.0 7.57	675.0 8.02	675.1 7.66	695.0 11.75	706.0 9.70	732.0 5.06	750.0 10.12	751.0 7.73
DEPTH H COND	763.0 12.73	791.0 7.47	811.0 6.63	818.0 8.37	844.0 8.95							

ORGAN N. 2 (NM)

REF. 4 DATE LOGGED: 18 FEBRUARY 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 27	106 36	1530	500-910	35.8± .1	25	CORE	6.92± .65	2.48± .23		A

ORGAN N. 2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	80.0	110.0	140.0	170.0	190.0	220.0	250.0	280.0	310.0	340.0	370.0
TEMP	20.10	20.85	21.48	22.25	23.37	24.08	24.98	25.91	26.63	27.87	28.69	29.86
DEPTH	400.0	420.0	440.0	460.0	480.0	500.0	510.0	520.0	530.0	540.0	550.0	560.0
TEMP	31.60	32.89	33.57	34.56	35.89	37.14	37.64	37.99	38.32	38.67	39.00	39.34
DEPTH	570.0	580.0	590.0	600.0	610.0	620.0	630.0	640.0	650.0	660.0	670.0	680.0
TEMP	39.69	40.06	40.40	40.74	41.09	41.39	41.69	42.06	42.43	42.77	43.12	43.48
DEPTH	690.0	700.0	710.0	720.0	730.0	740.0	750.0	760.0	770.0	780.0	790.0	800.0
TEMP	43.84	44.18	44.57	44.92	45.28	45.63	46.03	46.41	46.80	47.17	47.58	47.93
DEPTH	810.0	820.0	830.0	840.0	850.0	860.0	870.0	880.0	890.0	900.0	910.0	
TEMP	48.32	48.69	49.01	49.37	49.71	50.06	50.38	50.77	51.17	51.53	51.93	

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OROGRANDE S. (NM)

REF. 4 DATE LOGGED: 23 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 25	106 07	1378	100-600	34.5± .1	7	CORE	6.36± .82	2.20± .28		A

DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

UROGRANDE S. (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	250.0	500.0	750.0	1000.0	1250.0	1500.0	1750.0
COND	5.57	6.35	5.99	5.67	7.02	7.61	5.97

SAN DIEGO MT. 1 (NM)

REF. 4 DATE LOGGED: 28 JUNE 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLGW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 37	106 58	1303	30-60	190. $\pm$ 3.	8	FRAGMENTS	7.20 $\pm$ 1.09	13.7 $\pm$ 2.3		
			80-140	205. $\pm$ 1.	8	FRAGMENTS	7.87 $\pm$.82	16.1 $\pm$ 1.8		B

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.7	109.8	120.0	130.0	140.0
TEMP	27.33	29.10	31.06	33.02	35.48	37.71	39.63	41.98	43.75	45.92	47.95	50.06

DEPTH	150.0
TEMP	51.92

SAW DIEGO MT. 1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	30.5	39.6	41.2	50.3	51.8	59.5	61.0	70.1	80.8	89.9	91.5	100.6
H COND	7.25	8.75	7.61	8.50	6.34	7.24	6.67	5.78	9.15	7.26	7.76	8.43

DEPTH	131.1	140.2	141.8	150.9
H COND	7.65	6.29	8.05	7.85

SAN DIEGO MT. 2 (NM)

REF. 4 DATE LOGGED: 29 JUNE 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
32 37	106 58	1353	41-61	209. $\pm$ 2.						
			61-140	218. $\pm$ 1.	6	FRAGMENTS	6.99 $\pm$ 1.35	15.3 $\pm$ 3.0		B

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SAN DIEGO MT. 2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	30.5	39.6	61.0	70.1	91.5	100.6	122.0	129.6	141.8	150.9
COND	8.67	7.72	9.11	9.07	8.87	6.63	9.73	6.54	6.28	6.05

ABBOT/EAST (NM)

REF. 5 DATE LOGGED: 25 OCTOBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 16	104 06	1878	130-410	25.35± .19	22	FRAGMENTS	6.04± .19	1.53± .06	1.53	A

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ABBOT/NORTH (NM)

REF. 5 DATE LOGGED: 24 OCTOBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 24	104 14	2012	230-470	27.56± .10	61	FRAGMENTS	5.89± .40	1.62± .12	1.62	A

ABBOT/NORTH (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	70.0	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0	250.0	270.0
TEMP	14.37	15.26	16.27	17.12	17.94	18.93	19.48	20.02	20.24	20.63	21.13	21.62
DEPTH	290.0	310.0	330.0	350.0	370.0	390.0	410.0	430.0	450.0	470.0	490.0	510.0
TEMP	22.14	22.71	23.34	23.80	24.35	24.92	25.51	26.09	26.61	27.22	28.08	28.69
DEPTH	530.0	550.0	570.0	590.0	610.0	630.0	650.0					
TEMP	29.17	29.61	30.01	30.29	30.54	30.89	31.19					

ABBOT/NORTH (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	335.0	345.0	360.0	383.0	409.0	438.0
H COND	5.70	7.36	5.53	5.35	6.48	4.91

ARROYO TETILLA (NM)

REF. 5 DATE LOGGED: 3 APRIL 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 40	106 11	2050	100-180	48.89±1.13	10	FRAGMENTS	5.32± .49	2.60± .31	2.60	C

ARROYO TETILLA (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	40.0	60.0	80.0	100.0	120.0	140.0	160.0	180.0
TEMP	9.03	10.87	12.53	14.15	15.59	16.48	17.55	18.40	19.52

BIG CROW CR (NM)

REF. 5 DATE LOGGED: 5 JUNE 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
16 47	104 42	2439	90-325	36.19± .30	12	FRAGMENTS	6.70± .30	2.42± .13	2.42	B

BIG CROW CR (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
TEMP	11.79	11.78	12.67	12.71	12.89	13.25	13.58	14.02	14.39	14.86	15.30	15.67
DEPTH	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0
TEMP	15.99	16.28	16.53	16.86	17.24	17.59	17.86	18.48	18.82	19.22	19.62	19.98
DEPTH	290.0	300.0	310.0	320.0	325.0							
TEMP	20.29	20.56	20.86	21.17	21.33							

BIG CROW CR (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	101.0	116.0	131.0	146.0	177.0	192.0	222.0	253.0	268.0	284.0	299.0	314.0
H COND	7.51	5.94	8.83	6.39	7.08	7.97	6.82	5.94	6.37	5.49	6.31	5.72

BLUEWATER(NM)

REF. 5 DATE LOGGED: 17 MAY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
15	107 59	2195	20-110	18.90± .49	7	FRAGMENTS	7.65± .33	1.45± .10	1.44	C

BLUEWATER(NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
TEMP	12.65	12.75	13.00	13.17	13.30	13.46	13.72	13.90	14.13	14.34

BLUEWATER (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	32.0	34.0	35.0	42.0	48.0	56.0	61.0	64.0
COND	7.26	7.18	8.00	8.32	8.92	6.59	7.24	5.35

BUCKMAN #2 (NM)

REF. 5 DATE LOGGED: 27 MARCH 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 53	106 09	1800	190-220	33.94±2.32	8	FRAGMENTS	5.11± .09	1.73± .15	1.73	C

BUCKMAN #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	15.99	16.12	16.22	16.52	17.46	17.66	18.20	19.39	19.49	19.58	19.66	19.69
DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	227.0				
TEMP	19.79	19.82	19.84	21.07	21.48	21.71	22.13	22.61				

CARRIZO (NM)

REF. 5 DATE LOGGED: 17 JUNE 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 48	107 08	1886	50-350	24.84± .33	10	FRAGMENTS	5.77± .31	1.43± .10	1.96	A
			350-820	35.91± .11	14	FRAGMENTS	5.46± .15	1.96± .06		

CARRIZO (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	50.0 17.08	70.0 17.76	90.0 18.20	110.0 18.65	130.0 19.22	150.0 19.81	170.0 20.44	190.0 20.86	210.0 21.36	230.0 21.73	250.0 22.14	270.0 22.55
DEPTH TEMP	290.0 22.99	310.0 23.56	330.0 24.16	340.0 24.57	350.0 24.77	370.0 25.48	390.0 26.27	400.0 26.60	410.0 27.09	420.0 27.51	430.0 27.85	450.0 28.53
DEPTH TEMP	470.0 29.24	490.0 29.95	500.0 30.33	510.0 30.63	530.0 31.24	550.0 32.04	570.0 32.69	580.0 33.08	590.0 33.43	600.0 33.74	610.0 34.04	620.0 34.40
DEPTH TEMP	630.0 34.71	640.0 35.13	650.0 35.61	660.0 36.06	670.0 36.56	680.0 36.76	690.0 37.05	700.0 37.37	710.0 37.91	720.0 38.13	730.0 38.43	740.0 38.73
DEPTH TEMP	750.0 39.17	760.0 39.53	770.0 39.84	780.0 40.23	790.0 40.71	800.0 41.18	810.0 41.52	820.0 41.81				

CARRIZO (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	69.0	84.0	111.0	151.0	181.0	206.0	227.0	264.0	291.0	334.0	343.0	383.0
TH COND	4.92	5.04	4.60	5.30	6.27	6.12	6.20	7.26	7.59	5.03	5.16	6.13
DEPTH	404.0	447.0	486.0	529.0	559.0	590.0	617.0	648.0	675.0	721.0	748.0	806.0
TH COND	6.30	5.87	4.88	4.78	5.51	5.45	5.24	5.31	5.83	5.91	4.83	4.90

CEBOLLA (NM)

REF. 5 DATE LOGGED: 20 APRIL 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 32	106 29	2317	20-190	31.28± .34	8	FRAGMENTS	5.62± .19	1.76± .08	1.83	A
			300-340	39.20± .46	7	FRAGMENTS	4.81± .09	1.89± .06		

CEBOLLA (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	10.0 8.55	20.0 9.83	30.0 10.20	40.0 10.43	50.0 10.69	60.0 10.93	70.0 11.26	80.0 11.61	90.0 11.98	100.0 12.35	110.0 12.65	120.0 12.99
DEPTH TEMP	130.0 13.36	140.0 13.66	150.0 13.91	160.0 14.16	170.0 14.40	180.0 14.74	190.0 15.10	200.0 15.50	210.0 15.92	220.0 16.39	230.0 16.98	240.0 17.64
DEPTH TEMP	250.0 18.26	260.0 18.76	270.0 19.31	280.0 19.84	290.0 20.29	300.0 20.78	310.0 21.18	320.0 21.54	330.0 21.95	340.0 22.36		

CEBULLA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

EPTH	56.0	78.0	96.0	133.0	151.0	169.0	188.0	300.0	306.0	311.0	316.0	323.0
H COND	5.63	5.40	4.79	5.25	5.83	5.79	5.76	6.54	4.74	4.71	4.64	4.89

EPTH	331.0
H COND	5.08

CERRILLOS #2 (NM)

REF. 5 DATE LOGGED: 7 MAY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 27	106 06	1884	80-129	26.39± .40	9	FRAGMENTS	4.98± .19	1.31± .07	1.31	C

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CERRILLOS #3 (NM)

REF. 5 DATE LOGGED: 7 MAY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 27	106 07	1829	80-184	24.86± .15	13	FRAGMENTS	4.92± .14	1.22± .04	1.22	B

CERRILLOS #3 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	129.0
TEMP	15.72	15.72	15.74	15.93	16.18	16.43	16.69	16.96	17.23

CHAPELL SPADE (NM)

REF. 5 DATE LOGGED: 1 JULY 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (MEYERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 16	103 51	1220	150-340	26.50± .33	16	FRAGMENTS	5.25± .19	1.39± .07	1.40	A
			500-900	18.16± .18	16	FRAGMENTS	7.61± .23	1.38± .06		
			940-1400	26.39± .20	11	FRAGMENTS	5.40± .19	1.43± .06		

CHAPELL SPADE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	150.0 20.99	160.0 21.22	180.0 21.68	200.0 22.20	220.0 22.85	240.0 23.34	260.0 23.87	280.0 24.44	300.0 24.93	320.0 25.31	340.0 26.07	360.0 26.77
DEPTH TEMP	370.0 27.05	380.0 27.44	400.0 28.19	420.0 28.82	440.0 29.14	460.0 29.63	480.0 30.10	500.0 30.49	520.0 30.87	540.0 31.39	560.0 31.73	580.0 32.06
DEPTH TEMP	600.0 32.32	620.0 32.70	640.0 33.06	660.0 33.41	680.0 33.80	700.0 34.06	720.0 34.38	740.0 34.79	760.0 35.20	780.0 35.60	800.0 36.01	820.0 36.43
DEPTH TEMP	840.0 36.83	860.0 37.14	880.0 37.42	900.0 37.80	920.0 38.28	940.0 38.78	960.0 39.23	980.0 39.68	1000.0 40.09	1020.0 40.63	1040.0 41.11	1060.0 41.56
DEPTH TEMP	1080.0 42.08	1100.0 42.57	1120.0 43.19	1140.0 43.70	1160.0 44.28	1180.0 44.77	1200.0 45.27	1220.0 45.81	1240.0 46.45	1260.0 47.00	1280.0 47.61	1300.0 48.28
DEPTH TEMP	1320.0 48.77	1340.0 49.21	1360.0 49.64	1380.0 50.11	1400.0 50.50							

CHAPELL SPADE (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH TH COND	108.0 4.55	123.0 4.15	142.0 4.38	157.0 4.62	178.0 4.00	197.0 5.79	215.0 6.21	233.0 5.47	252.0 5.15	270.0 4.79	288.0 5.07	322.0 5.07
DEPTH TH COND	337.0 4.21	361.0 4.19	370.0 5.26	392.0 4.97	419.0 5.86	431.0 6.02	450.0 5.77	471.0 5.91	502.0 4.91	529.0 4.26	541.0 4.23	550.0 4.22
DEPTH TH COND	572.0 3.81	584.0 3.78	614.0 4.09	630.0 4.00	651.0 3.73	672.0 4.73	681.0 4.75	724.0 5.37	745.0 4.53	754.0 4.65	782.0 4.17	794.0 4.94
DEPTH TP COND	831.0 4.58	843.0 4.50	861.0 4.69	869.0 3.52	892.0 4.15	919.0 3.70	934.0 3.93	965.0 4.69	998.0 5.64	1011.0 6.37	1029.0 6.47	1050.0 6.29
DEPTH TH COND	1075.0 5.97	1084.0 6.00	1111.0 6.68	1130.0 5.50	1151.0 5.62	1163.0 5.88	1190.0 6.28	1218.0 6.66	1224.0 6.81	1252.0 5.67	1270.0 7.96	1288.0 6.76
DEPTH TH COND	1309.0 5.62	1325.0 4.64	1358.0 4.96	1395.0 5.12	1416.0 6.67	1453.0 5.36	1488.0 5.67	1523.0 5.31	1561.0 4.90	1596.0 5.73		

CHIMINEY CREEK (NM)

REF. 5 DATE LOGGED: 17 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 55	104 52	2439	120-260	64.38±1.06	8	FRAGMENTS	5.14± .11	3.31± .13	2.88	b
			370-480	38.46± .95	42	FRAGMENTS	6.37± .13	2.45± .11		

CHIMINEY CREEK (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 10.25	40.0 10.58	50.0 10.95	60.0 11.47	70.0 12.12	80.0 12.65	90.0 13.38	100.0 14.04	110.0 14.68	120.0 15.51	130.0 16.12	140.0 16.60
DEPTH TEMP	150.0 17.04	160.0 17.69	170.0 18.17	180.0 18.47	190.0 19.14	200.0 19.67	210.0 20.35	220.0 20.78	230.0 21.32	240.0 22.10	250.0 22.76	260.0 23.13
DEPTH TEMP	370.0 30.15	380.0 30.41	390.0 30.90	400.0 31.33	410.0 31.71	420.0 32.02	430.0 32.28	440.0 32.55	450.0 33.16	460.0 33.67	470.0 34.09	480.0 34.28
DEPTH TEMP	490.0 34.40	500.0 34.60	510.0 34.78	520.0 35.38	530.0 36.04	540.0 36.50	550.0 37.04					

CHIMNEY CREEK (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	126.0	130.0	136.0	149.0	168.0	195.0	216.0	259.0	373.0	404.0	419.0	434.0
H COND	4.77	5.54	5.41	5.04	5.14	5.36	5.12	4.72	5.58	5.24	5.81	6.40
DEPTH	450.0	465.0	473.0	480.0	495.0	511.0	526.0	541.0	556.0			
H COND	5.75	5.79	5.90	5.53	5.41	6.18	6.54	6.39	6.18			

COLMOR/WEST (NM)

REF. 5 DATE LOGGED: 14 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW - VALUE
36 13	104 41	1826	80-170	44.84± .34	8	FRAGMENTS	6.23± .60	2.79± .29	2.87	A
			220-300	53.02± .79	5	FRAGMENTS	5.56± .11	2.95± .10		

COLMOR/WEST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	40.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	12.79	12.80	14.42	14.73	15.08	15.44	15.91	16.34	16.78	17.25	17.72	18.18
DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0
TEMP	18.62	19.05	19.69	20.38	21.12	21.88	22.67	23.36	23.83	24.24	24.80	25.38
DEPTH	280.0	290.0	300.0	310.0	320.0	329.0						
TEMP	25.93	26.48	26.95	27.13	27.30	27.46						

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

5.00	4.52	4.73	7.29	6.61	8.28	7.14	5.52	5.54	5.73	5.23	5.41
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DIXON #2 (NM)

REF. 5 DATE LOGGED: 10 MAY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 13	105 48	2270	40-160	33.74± .66	7	CORE	14.69± .33	4.96± .21	5.47	C

DIXON #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	50.0	55.0	60.0	66.0	76.0	82.0	88.0	92.0	97.0	101.0	106.0	116.0
H COND	12.61	16.39	13.83	15.72	14.83	16.24	13.09	12.33	15.04	13.12	14.84	14.54
DEPTH	128.0	133.0	150.0	154.0	159.0							
H COND	15.31	14.13	15.72	15.73	16.18							

GOLDEN #1 (NM)

REF. 5 DATE LOGGED: 7 DECEMBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 16	106 12	2037	80-150	27.44± .27	4	CORE	9.29± .26	2.55± .10	1.24	C
			150-250	18.83± .20	5	CORE	6.56± .40	1.24± .09		

GOLDEN #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
TEMP	16.75	17.11	17.38	17.67	17.95	18.21	18.51	18.76	19.01	19.20	19.39	19.61
DEPTH	190.0	200.0	210.0	220.0	230.0	240.0	250.0					
TEMP	19.82	19.98	20.12	20.34	20.54	20.72	20.89					

GOLDEN #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	31.0	49.0	72.0	110.0	130.0	141.1	141.2	164.0	191.0	222.0	226.0	251.0
TH COND	8.72	9.74	9.15	9.54	6.96	8.39	8.03	6.95	7.06	6.86	5.14	6.79

LAS VEGAS #1 (NM)

REF. 5 DATE LOGGED: 2 APRIL 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 35	105 15	1969	80-150	17.78± .48	4	FRAGMENTS	5.62± .19	1.00± .06	1.50	C
			150-198	27.25± .52	3	FRAGMENTS	5.50± .40	1.50± .14		

LAS VEGAS #1 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	13.58	13.80	14.08	14.27	14.37	14.44	14.55	14.67	14.90	15.11	15.28	15.42
DEPTH	140.0	150.0	160.0	170.0	180.0	190.0	198.0					
TEMP	15.63	15.75	16.07	16.33	16.57	16.87	17.08					

LAS VEGAS #1 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAI / CM-SEC-DEG.C)

DEPTH	84.0	99.0	130.0	145.0	160.0	190.0	206.0	221.0
COND	5.31	5.75	5.78	4.86	5.68	5.95	6.75	8.34

LAS VEGAS #2 (NM)

REF. 5 DATE LOGGED: 2 APRIL 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 34	105 15	1951	100-170	22.51± .44	9	FRAGMENTS	6.45± .68	1.45± .18	1.45	B

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LAS VEGAS #2 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	84.0	114.0	130.0	145.0	160.0
TH COND	7.26	4.99	5.02	7.97	6.99

LITTLE BEAR MTN (NM)

REF. 5 DATE LOGGED: 28 JUNE 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
34 17	107 15	1902	60-210	20.13± .58	6	FRAGMENTS	7.04± .28	1.42± .10	1.72	C
			200-290	29.15± .36	7	FRAGMENTS	5.90± .12	1.72± .06		

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DEPTH (M) VS. TEMPERATURE (DEG. C)

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LITTLE CROW CR (NM)

REF. 5 DATE LOGGED: 6 JUNE 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 49	104 41	2439	110-225	38.31± .46	5	FRAGMENTS	5.56± .57	2.13± .25	2.13	B

LITTLE CROW CR (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	20.0 12.83	30.0 13.01	40.0 13.02	50.0 12.94	60.0 12.70	70.0 12.76	80.0 12.90	90.0 13.11	100.0 13.29	110.0 13.47	120.0 13.93	130.0 14.30
DEPTH TEMP	140.0 14.64	150.0 14.93	160.0 15.32	170.0 15.73	180.0 16.24	190.0 16.64	195.0 16.79	200.0 17.03	205.0 17.22	210.0 17.33	215.0 17.48	220.0 17.64
DEPTH TEMP	225.0 17.83	230.0 18.30	235.0 19.05	238.0 19.29								

LITTLE CROW CR (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	107.0	137.0	168.0	198.0	221.0	1000.0
TH COND	6.34	5.90	4.85	6.76	3.95	0.89

MAES (NM)

REF. 5 DATE LOGGED: 15 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 09	104 42	1872	20-90	36.12± .44	8	FRAGMENTS	6.32± .62	2.28± .25	2.35	C
			90-170	43.15± .25	5	FRAGMENTS	5.66± .08	2.44± .05		

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

5.06	4.57	4.79	7.42	6.72	8.44	7.26	5.67	5.50	5.60	5.62	6.00
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MT DORA (NM)

REF. 5 DATE LOGGED: 26 OCTOBER 1973

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
6 28	103 36	1788	190-290	20.74± .88	8	FRAGMENTS	7.93± .61	1.64± .20	1.30	B

MT DORA (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	70.0	90.0	110.0	130.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0
TEMP	14.87	15.28	15.84	16.53	17.09	17.56	17.75	17.83	17.98	18.11	18.33	18.40
DEPTH	220.0	230.0	240.0	250.0	260.0	270.0	290.0					
TEMP	18.60	18.77	19.07	19.14	19.56	19.73	20.16					

MT DORA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

PTH	218.0	221.0	227.0	233.0	236.0
COND	8.30	8.73	5.86	8.86	7.88

WOLAN/EAST (NM)

REF. 5 DATE LOGGED: 12 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 09	104 35	1921	80-140	43.37± .29	8	FRAGMENTS	6.23± .60	2.70± .28	2.75	C
			140-180	55.31±1.11	5	FRAGMENTS	5.06± .20	2.80± .17		

NOLAN/EAST (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
TEMP	12.42	12.82	13.26	13.67	14.05	14.41	14.77	15.18	15.59	16.01	16.44	16.90
DEPTH	130.0	140.0	150.0	160.0	170.0	180.0	181.0					
TEMP	17.35	17.76	18.32	18.80	19.40	19.98	20.02					

NOLAN/EAST (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH
COND

5.00	4.52	4.73	7.29	6.61	8.28	7.14	4.95	5.62	5.01	4.33	4.97
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DEPTH
COND

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NOLAN/NW (NM)

REF. 5 DATE LOGGED: 14 JULY 1974

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
6 11	104 40	1861	80-170	43.17± .17	8	FRAGMENTS	6.23± .60	2.69± .27	2.98	C
			170-240	64.62± .80	5	FRAGMENTS	5.06± .20	3.27± .17		

NOLAN/NW (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0
TEMP	15.53	14.86	14.72	14.59	14.88	15.22	15.54	15.94	16.39	16.79	17.26	17.66
DEPTH	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	
TEMP	18.11	18.55	18.98	19.40	19.99	20.65	21.29	21.96	22.67	23.32	23.82	

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG,C)

[illegible]

ORTIZ MTN 2 (NM)

REF. 5 DATE LOGGED: 3 DECEMBER 1974

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
5 19	106 10	2399	140-720	18.18± .11	26	CORE	7.32± .29	1.33± .06	1.33	A

ORTIZ #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	100.0 10.32	120.0 11.28	140.0 11.95	160.0 13.13	180.0 13.50	200.0 13.78	220.0 14.11	240.0 14.49	260.0 14.80	280.0 15.29	300.0 15.68	320.0 16.01
DEPTH TEMP	340.0 16.35	360.0 16.70	380.0 17.06	400.0 17.41	420.0 17.71	440.0 18.06	460.0 18.41	480.0 18.76	490.0 18.96	500.0 19.13	510.0 19.31	520.0 19.49
DEPTH TEMP	530.0 19.67	540.0 19.86	550.0 20.04	560.0 20.23	570.0 20.44	580.0 20.61	590.0 20.79	600.0 20.96	610.0 21.14	620.0 21.32	630.0 21.51	640.0 21.68
DEPTH TEMP	650.0 21.87	660.0 22.06	670.0 22.24	680.0 22.44	690.0 22.65	700.0 22.85	710.0 23.06	720.0 23.22				

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DEPTH (M) VS. TEMPERATURE (DEG. C)

[illegible]

ORTIZ MTN 3 (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	148.0	166.0	194.0	225.0	242.0	268.0	299.0	377.0	399.0	428.0
COND	7.28	7.19	6.19	7.56	6.53	8.19	11.82	6.46	6.19	6.42

ORTIZ MTN 3 (NM)

REF. 5 DATE LOGGED: 4 DECEMBER 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
5 18	106 10	2218	130-280	16.03± .13	7	CORE	7.82± .77	1.25± .13	1.33	B
			370-420	22.00± .39	3	CORE	6.36± .10	1.40± .05		

POTATO CANYON (NM)

REF. 5 DATE LOGGED: ()

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (KCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 53	104 43	2409	40-160	38.08± .73	8	FRAGMENTS	7.02± .33	2.67± .18	2.69	A
			160-280	50.58± .92	5	FRAGMENTS	5.35± .04	2.71± .07		

POTATO CANYON (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	60.0	80.0	100.0	120.0	140.0	160.0	180.0	200.0	220.0	240.0	260.0
TEMP	11.83	12.45	13.24	13.91	14.84	15.61	16.30	17.38	18.23	19.53	20.32	21.38

DEPTH	280.0
TEMP	22.37

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DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG,C)

5.00	5.46	7.73	7.84	7.38	7.74	6.32	6.39	7.32	5.29	5.41	5.23
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QUESTA #2 (NM)

REF. 5 DATE LOGGED: ()

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
6 42	105 31	2933	310-450	18.52± .17	2	CORE	9.25±1.08	1.71± .22	1.74	A
			450-590	22.70± .13	4	CORE	7.77± .26	1.76± .07		
			590-690	21.22± .32	7	CORE	8.19± .34	1.74± .10		

QUESTA #2 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	70.0	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0	250.0	270.0
TEMP	6.91	6.04	6.18	6.51	6.92	7.32	7.71	8.11	8.53	8.94	9.35	9.75
DEPTH	290.0	310.0	330.0	350.0	370.0	390.0	410.0	430.0	450.0	470.0	490.0	510.0
TEMP	10.13	10.50	10.86	11.23	11.56	11.95	12.32	12.71	13.10	13.53	13.99	14.43
DEPTH	530.0	550.0	570.0	590.0	610.0	630.0	650.0	670.0	690.0			
TEMP	14.88	15.35	15.81	16.28	16.72	17.08	17.52	17.97	18.41			

DEPTH (") VS. THERMAL CONDUCTIVITY (KCAL / CM-SEC-DEG.C)

DEPTH	168.0	200.0	251.0	265.0	290.0	308.0	330.0	351.0	360.0	373.0	381.0	406.0
TH COND	8.49	10.01	7.59	7.42	8.44	7.62	6.16	8.28	7.51	9.73	7.76	8.68

DEPTH	460.0
TH COND	7.19

QUESTA # 3 (NM)

REF. 5 DATE LOGGED: ()

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
6 42	105 32	2900	310-410	20.32± .16	2	CORE	9.25±1.08	1.88± .24	1.81	C
			430-510	23.32± .30	4	CORE	7.77± .26	1.81± .08		
			510-590	21.21± .41	7	CORE	8.19± .34	1.74± .11		

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DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

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SAN CRISTOBAL (NM)

REF. 5 DATE LOGGED: 19 APRIL 1974

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW - VALUE
6 38	105 39	2317	140-290	35.52± .59	20	FRAGMENTS	8.79± .15	3.12± .11	3.12	A

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	20.0	40.0	60.0	80.0	100.0	140.0	160.0	180.0	200.0	220.0	240.0	260.0
TEMP	11.82	11.90	12.01	12.28	12.51	13.47	14.27	14.97	15.67	16.43	17.14	17.70
DEPTH	280.0	290.0	300.0	310.0								
TEMP	18.94	19.30	19.90	20.49								

SAN CRISTOBAL (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	124.0	133.0	142.0	151.0	160.0	169.0	179.0	188.0	197.0	206.0	215.0	224.0
H COND	9.01	8.56	9.93	9.59	9.34	8.36	8.75	8.13	8.68	8.66	7.83	8.03
DEPTH	233.0	243.0	249.0	252.0	261.0	270.0	279.0	288.0	289.0	316.0		
H COND	8.56	10.08	9.03	8.79	8.69	8.17	8.50	9.94	7.93	7.96		

SAN PEDRO 4 (NM)

REF. 5 DATE LOGGED: 26 SEPT 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 15	106 11	2165	190-410	22.74± .15	1	FRAGMENTS	6.26±1.56	1.42± .37	1.42	A

SAN PEDRO #4 (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	12.98	12.96	13.04	13.12	13.21	13.31	13.43	13.55	13.71	13.87	14.03	14.22
DEPTH	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0
TEMP	14.40	14.59	14.80	15.01	15.22	15.43	15.64	15.86	16.07	16.29	16.50	16.73
DEPTH	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0	370.0	380.0	390.0
TEMP	16.96	17.18	17.41	17.63	17.85	18.07	18.28	18.52	18.78	19.13	19.33	19.53
DEPTH	400.0	410.0	420.0	430.0	440.0	450.0						
TEMP	19.76	19.97	20.27	20.49	20.77	20.94						

SAUBLE (NM)

REF. 5 DATE LOGGED: 13 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
06 31	104 22	2010	120-330	30.69± .25	14	FRAGMENTS	7.96± .43	2.44± .15	2.44	A

SAUBLE (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	60.0	80.0	100.0	120.0	140.0	160.0	180.0	200.0	220.0	240.0	250.0	260.0
TEMP	20.89	21.59	22.21	22.94	23.54	24.14	24.77	25.49	25.97	26.50	26.95	27.27
DEPTH	270.0	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0	370.0	
TEMP	27.64	27.93	28.21	28.49	28.77	29.05	29.28	29.44	29.57	29.65	29.65	

SAUBLE (NM)												
DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)												
EPH	59.0	104.0	105.0	126.0	153.0	169.0	177.0	188.0	190.0	197.0	233.0	261.0
H COND	5.10	6.10	5.95	5.39	7.51	7.76	6.88	10.68	10.24	7.86	6.87	8.01
EPH	273.0	297.0	328.0	349.0								
H COND	8.21	7.88	8.23	8.13								

SIMMS (NM)

REF. 5 DATE LOGGED: 16 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 08	104 43	1927	90-206	43.62± .34	6	FRAGMENTS	6.13± .12	2.67± .07	2.71	B

SIMMS (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	14.99	14.17	14.44	14.76	15.09	15.42	15.80	16.23	16.61	17.00	17.53	17.92
DEPTH	160.0	170.0	180.0	190.0	200.0	206.0						
TEMP	18.37	18.82	19.27	19.70	20.16	20.46						

SIMMS (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH
H COND 6.36 6.42 6.29 5.80 5.86 6.04

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SOCORRO/S (NM)

REF. 5 DATE LOGGED: ()

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
33 57	106 56	1555	40-100	21.79± .34	7	FRAGMENTS	5.03± .40	1.10± .11	1.73	C
			110-150	34.49± .97	7	FRAGMENTS	5.03± .40	1.73± .19		

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DEPTH	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
TEMP	18.95	19.25	19.49	19.70	19.91	20.10	20.34	20.58	20.87	21.19	21.56	21.94
DEPTH	150.0	160.0	170.0									
TEMP	22.22	22.72	22.94									

TETILLA PEAK (NM)

REF. 5 DATE LOGGED: 30 MARCH 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 35	106 13	1889	70-140	39.57± .46	10	FRAGMENTS	5.06± .41	2.00± .19	2.00	C

TETILLA PEAK (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
TEMP	15.86	16.47	17.00	17.36	17.79	18.22	18.61	19.00	19.38	19.72	20.05

TRES MONTOSA (NM)

REF. 5 DATE LOGGED: 1 FEBRUARY 1975

ORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
4 05	107 22	2098	90-200	34.56± .51	3	FRAGMENTS	4.98± .07	1.72± .05	1.96	C
			200-240	44.79± .53	2	FRAGMENTS	4.91± .39	2.20± .20		

TRES MONTOSA (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
TEMP	17.74	18.14	18.50	18.85	19.19	19.42	19.77	20.12	20.46	20.86	21.25	21.66
DEPTH	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0	
TEMP	22.12	22.58	22.98	23.47	24.10	24.87	25.57	26.21	26.85	27.66	28.49	

TRES MONTOSA (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH (M)	124.0	151.0	181.0	212.0	242.0	303.0
THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)	4.95	4.90	5.08	5.18	4.63	4.38

TURQUOISE MTN 2 (NM)

REF. 5 DATE LOGGED: 23 JANUARY 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
35 31	106 07	1918	60-110	21.21± .86	5	CORE	4.76± .06	1.01± .05	1.22	C
			110-160	23.68± .21	6	CORE	5.15± .29	1.22± .08		

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DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	24.0	52.0	58.0	69.0	76.0	85.0	115.0	131.0	144.0	158.0	164.0	172.0
TH COND	4.55	4.83	4.75	4.57	4.78	4.89	4.52	4.69	6.35	5.18	5.03	5.14

VAN BREMMER CR (NM)

REF. 5 DATE LOGGED: 17 JULY 1974

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 48	104 57	2323	130-250	52.68± .43	6	FRAGMENTS	4.14± .23	2.18± .14	2.04	A
			270-500	37.25± .20	7	FRAGMENTS	5.11± .15	1.90± .07		

VAN BREMMER CR (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0
TEMP	11.74	12.10	12.63	13.28	13.68	14.33	15.07	15.91	16.63	17.21	17.76	18.21
DEPTH	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0
TEMP	18.73	19.36	19.88	20.50	20.91	21.42	21.90	22.40	23.00	23.38	23.81	24.17
DEPTH	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0	370.0	380.0	390.0	400.0
TEMP	24.46	24.85	25.25	25.66	25.98	26.38	26.72	27.13	27.52	27.89	28.18	28.48
DEPTH	410.0	420.0	430.0	440.0	450.0	460.0	470.0	480.0	490.0	500.0		
TEMP	28.84	29.30	29.74	30.11	30.62	31.30	31.75	32.17	32.50	32.82		

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VAN BREMMER CR (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	84.0	93.0	188.0	232.0	250.0	270.0	271.0	288.0	328.0	340.0	358.0	384.0
COND	4.91	5.04	4.59	4.02	4.02	3.86	3.28	5.62	3.93	3.98	3.97	5.49
DEPTH	410.0	431.0	453.0	474.0	502.0	528.0	535.0					
COND	5.31	5.12	4.36	5.39	4.93	5.50	4.79					

RATES (NU)

REF. 5 DATE LOGGED: 27 OCTOBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (KCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 08	103 54	1720	90-430	25.29± .30	24	FRAGMENTS	5.69± .30	1.44± .09	1.44	A

YATES (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH TEMP	30.0 15.11	50.0 15.38	70.0 15.64	90.0 15.89	110.0 16.22	130.0 16.72	150.0 17.34	170.0 17.74	190.0 18.31	210.0 19.01	230.0 19.58	250.0 19.88
DEPTH TEMP	270.0 20.15	290.0 20.56	310.0 21.26	330.0 21.78	350.0 22.29	370.0 22.91	390.0 23.43	410.0 23.92	430.0 24.63	450.0 25.31	470.0 25.73	490.0 26.30
DEPTH TEMP	510.0 26.63	530.0 27.09	550.0 27.49	570.0 27.89	590.0 28.10	610.0 28.36	630.0 28.68	650.0 28.88	670.0 29.09			

YATES (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	59.0	78.0	96.0	117.0	139.0	172.0	188.0	212.0	233.0	252.0	270.0	294.0
TH COND	5.16	6.28	6.60	6.50	5.22	8.16	8.33	5.80	5.88	6.26	5.09	4.33
DEPTH	312.0	329.0	346.0	358.0	380.0	392.0	428.0	459.0	477.0	494.0	526.0	541.0
TH COND	4.78	4.38	5.46	4.69	4.39	5.25	5.59	4.21	4.91	5.41	5.09	5.75

SUN NO. 1 SAN AUGUSTIN PLAINS (NM)

REF. 6 DATE LOGGED: 22 DECEMBER 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY -OF HEAT FLOW - VALUE
34 02	107 48	2150	76-259	59.75± .26	5	FRAGMENTS	3.39± .48	2.03± .30		
			427-579	48.94± .19	5	FRAGMENTS	3.25± .21	1.59± .11		
			732-792	57.86± .37	3	FRAGMENTS	2.97± .12	1.72± .08		

YATES (NM)

REF. 5 DATE LOGGED: 27 OCTOBER 1973

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY OF HEAT FLOW VALUE
36 08	103 54	1720	90-430	25.29± .30	24	FRAGMENTS	5.69± .30	1.44± .09	1.44	A

YATES (NM)

DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	30.0	50.0	70.0	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0	250.0
TEMP	15.11	15.38	15.64	15.89	16.22	16.72	17.34	17.79	18.31	19.01	19.58	19.86
DEPTH	270.0	290.0	310.0	330.0	350.0	370.0	390.0	410.0	430.0	450.0	470.0	490.0
TEMP	20.15	20.56	21.26	21.78	22.29	22.91	23.43	23.92	24.53	25.37	25.73	26.30
DEPTH	510.0	530.0	550.0	570.0	590.0	610.0	630.0	650.0	670.0			
TEMP	26.63	27.09	27.49	27.80	28.10	28.36	28.68	28.88	29.09			

YATES (NM)

DEPTH (M) VS. THERMAL CONDUCTIVITY (MCAL / CM-SEC-DEG.C)

DEPTH	59.0	78.0	96.0	117.0	139.0	172.0	188.0	212.0	233.0	252.0	270.0	294.0
COND	5.16	6.28	6.60	6.50	5.22	8.16	8.33	5.80	5.88	6.26	5.09	4.33
DEPTH	312.0	329.0	346.0	358.0	380.0	392.0	428.0	459.0	477.0	494.0	526.0	541.0
COND	4.78	4.38	5.46	4.69	4.39	5.25	5.59	4.21	4.91	5.41	5.09	5.75

SUN NO. 1 SAN AUGUSTIN PLAINS (NM)

REF. 6 DATE LOGGED: 22 DECEMBER 1975

NORTH LAT	WEST LONG	ELEV. (METERS)	DEPTH INTERVAL (METERS)	THERMAL GRADIENT (DEG.C/KM)	NO. THERMAL CONDUCTIVITY SAMPLES	TYPE OF SAMPLE	THERMAL CONDUCTIVITY (MCAL/CM- SEC-DEG.C)	HEAT FLOW (HFU)	BEST HEAT FLOW ESTIMATE (HFU)	QUALITY -OF HEAT FLOW - VALUE
34 02	107 48	2150	76-259	59.75± .26	5	FRAGMENTS	3.39± .48	2.03± .30		
			427-579	48.94± .19	5	FRAGMENTS	3.25± .21	1.59± .11		
			732-792	57.86± .37	3	FRAGMENTS	2.97± .12	1.72± .08		

SUN NO. 1 SAN AUGUSTIN PLAINS (NM)
 DEPTH (M) VS. TEMPERATURE (DEG. C)

DEPTH	121.9	152.4	182.9	213.4	243.8	274.3	304.8	335.3	365.8	396.2	426.7	457.2
TEMP	20.25	22.24	24.23	25.79	27.68	29.02	30.10	32.04	33.27	34.23	36.28	38.23
DEPTH	487.7	518.2	548.6	579.1	609.6	640.1	670.6	701.0	731.5	762.0	792.5	823.0
TEMP	39.66	41.19	42.65	43.92	44.85	45.65	46.18	47.01	49.17	51.17	53.03	54.66
DEPTH	853.4	883.9	914.4	944.9	975.4	1005.8	1036.3	1066.8	1097.3	1127.8	1158.2	1188.7
TEMP	56.34	57.83	59.47	61.06	62.63	64.24	65.78	67.28	68.91	70.43	71.97	73.39
DEPTH	1219.2	1249.7	1280.2	1310.6	1341.1	1371.6	1402.1	1432.6	1463.0			
TEMP	74.94	76.49	78.03	79.46	81.08	82.78	84.42	85.83	87.80			