

A00023

TEC-18

Best: UTAH  
Thermal Data Field Sheets for  
Wells 300 to 399

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Properties

Best: = Beaver County, Utah

Burning Stone = Beaver County, Utah

Thermex = Millard County, Utah

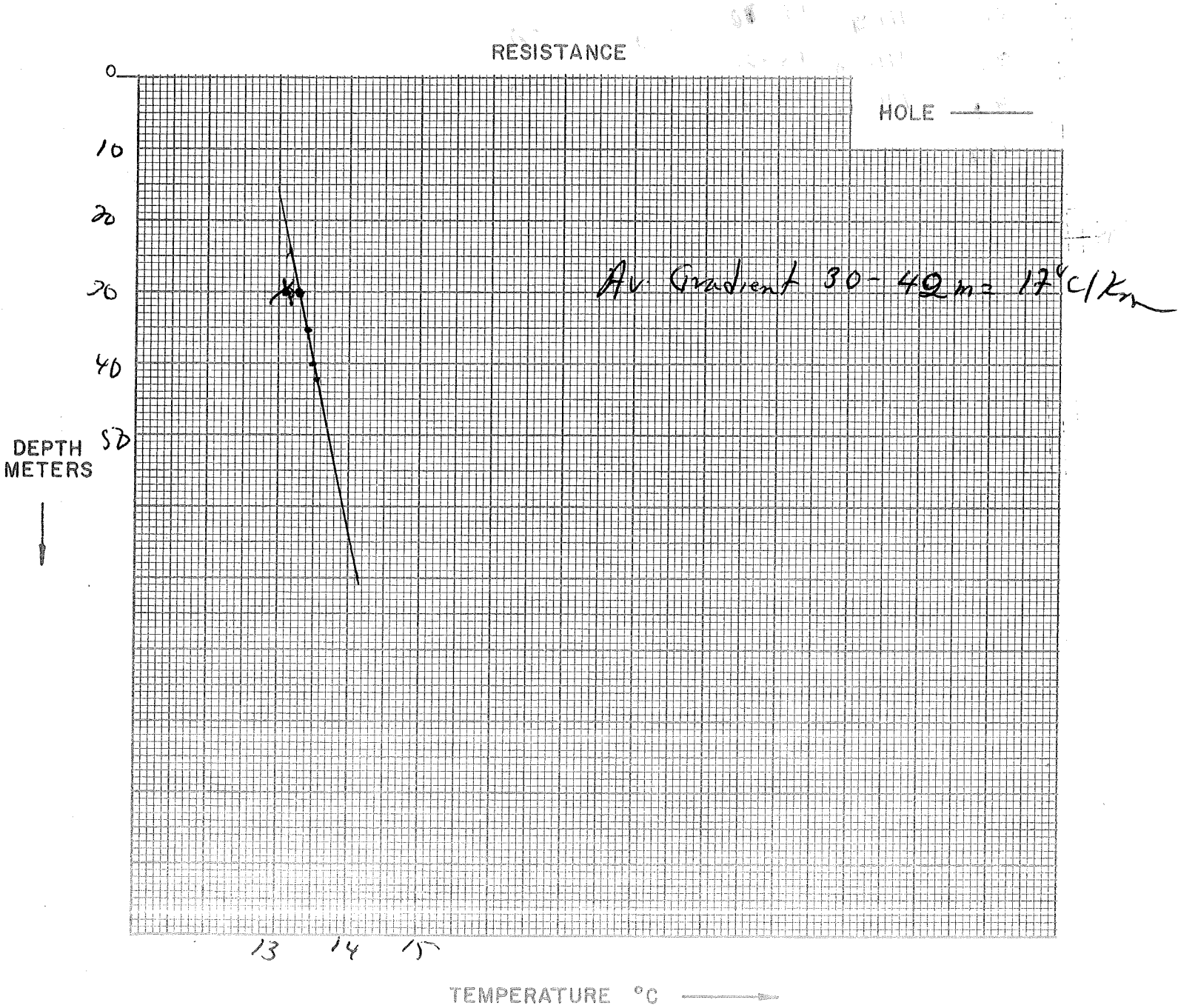
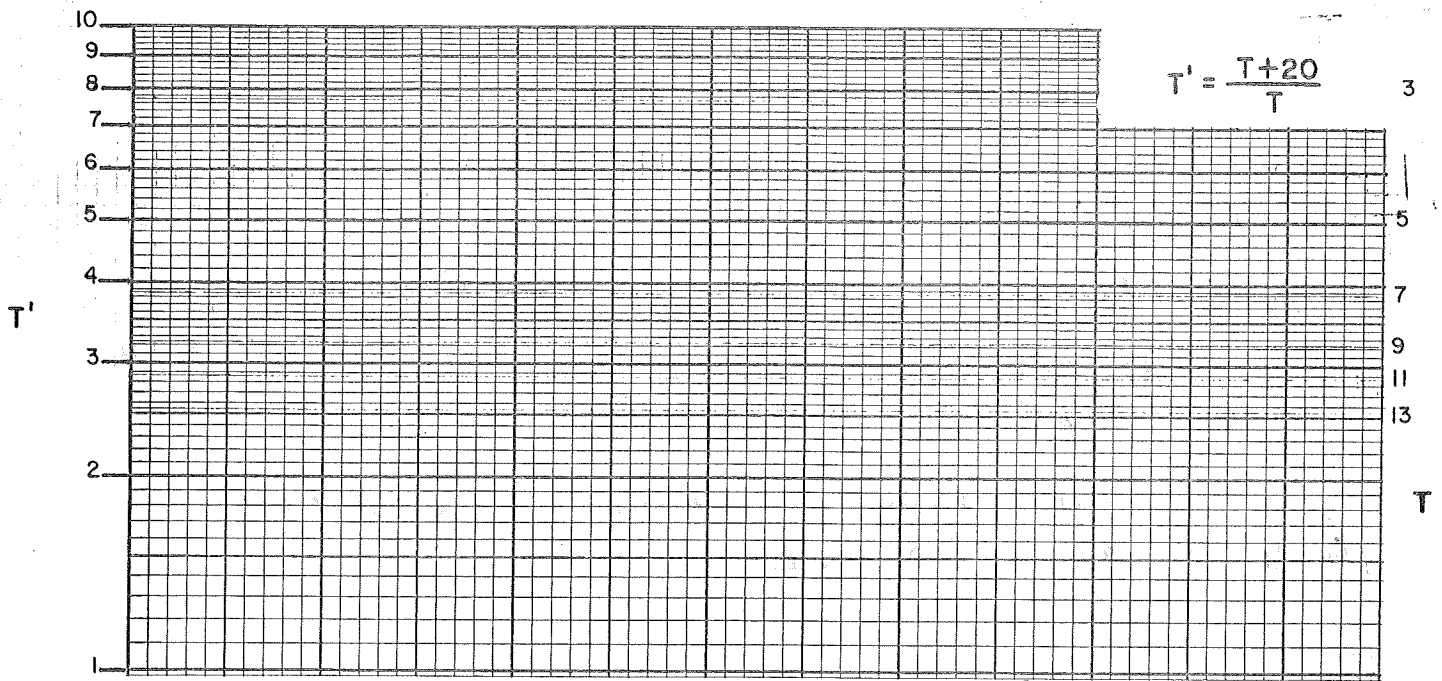














B-300

5 10 15 20 25 30 35 40 °C

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

(14.8) 17.0  
10.99 0.37 @ 2.2

17.09

(14.8)

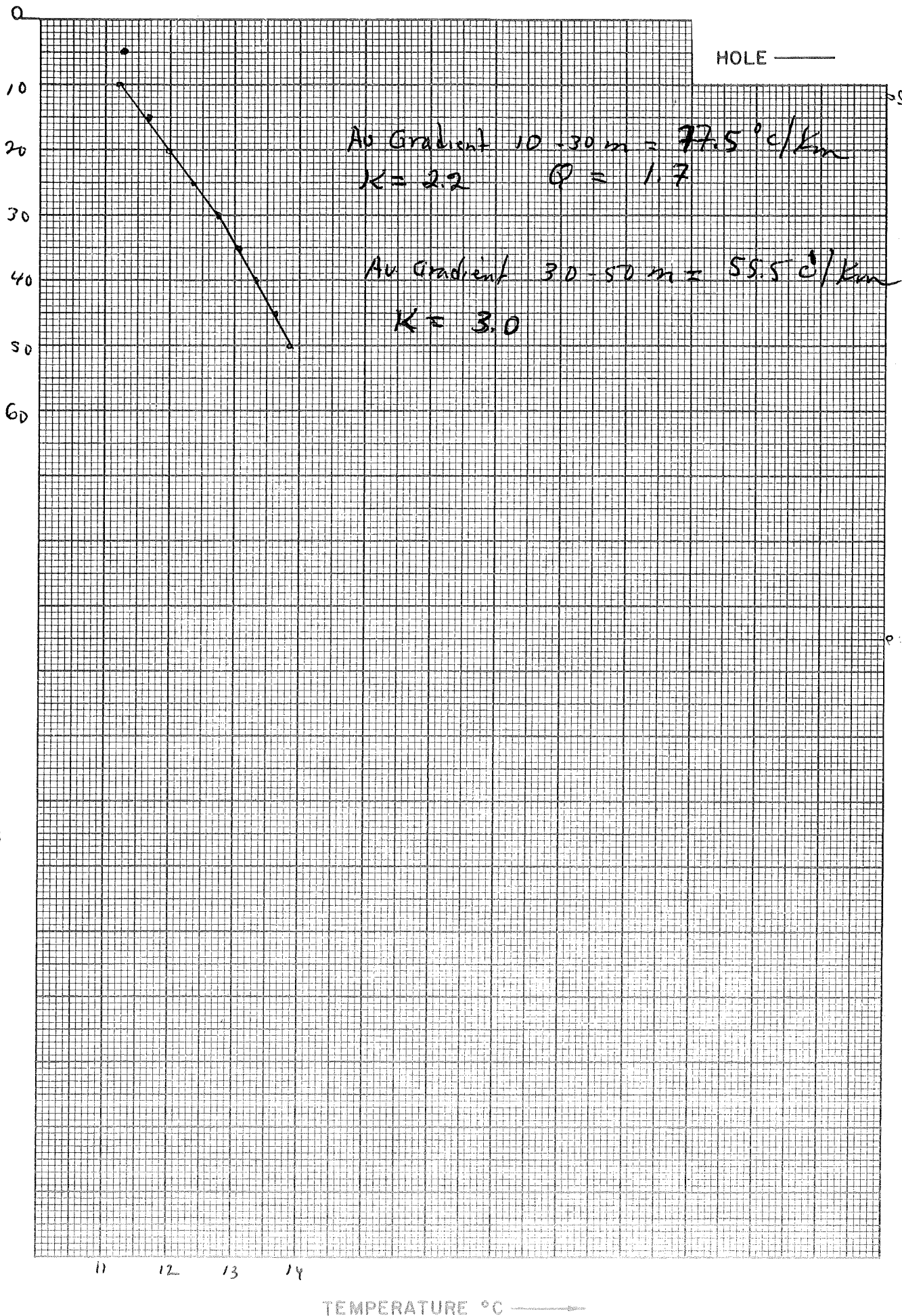
47 0780

W. X. ... KEUFFEL & ESSER CO. MADE IN U.S.A.











47 0780

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
605 KEUFFEL & ESSER CO. MADE IN U.S.A.

B-301

(16.7) 55.5 - 77.5  
3.40 1.67e3





# TEMPERATURE DEPTH LOG

ΔT Well No. 302

Property-Project Best Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

## COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No										Well No										Date Logged										*										
																				DA	MO	YR	*																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	11	12	13	14	15	16	17	18	19	20	11	12	13	14	15	16	17	18	19	20	*
753										302										11	09	76	CM																	

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	51	52	53	54	55	56	57	58	59	60															
4.8 km WSW of BRADSHAW MTN																																																							DP					MLM				

**Card B**

Scale Unit										Map Size										Map Location <sup>Δ</sup>										Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+) Use decimals									
in cm										(7.5, 15., 60)										N Lat					W Long														
																				Degree Min					Degree Min														
CM										15.										38.					15.					113.					00.				

Northing										Easting										Elev										Write M if meters Use decimals
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
6.8										4.75										5198.										F

	SEGMENT DEPTH										K	ΔK																			
	Start						End																								
C	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
D	15.0										35.0																				
E	.999																														
F																															
G																															

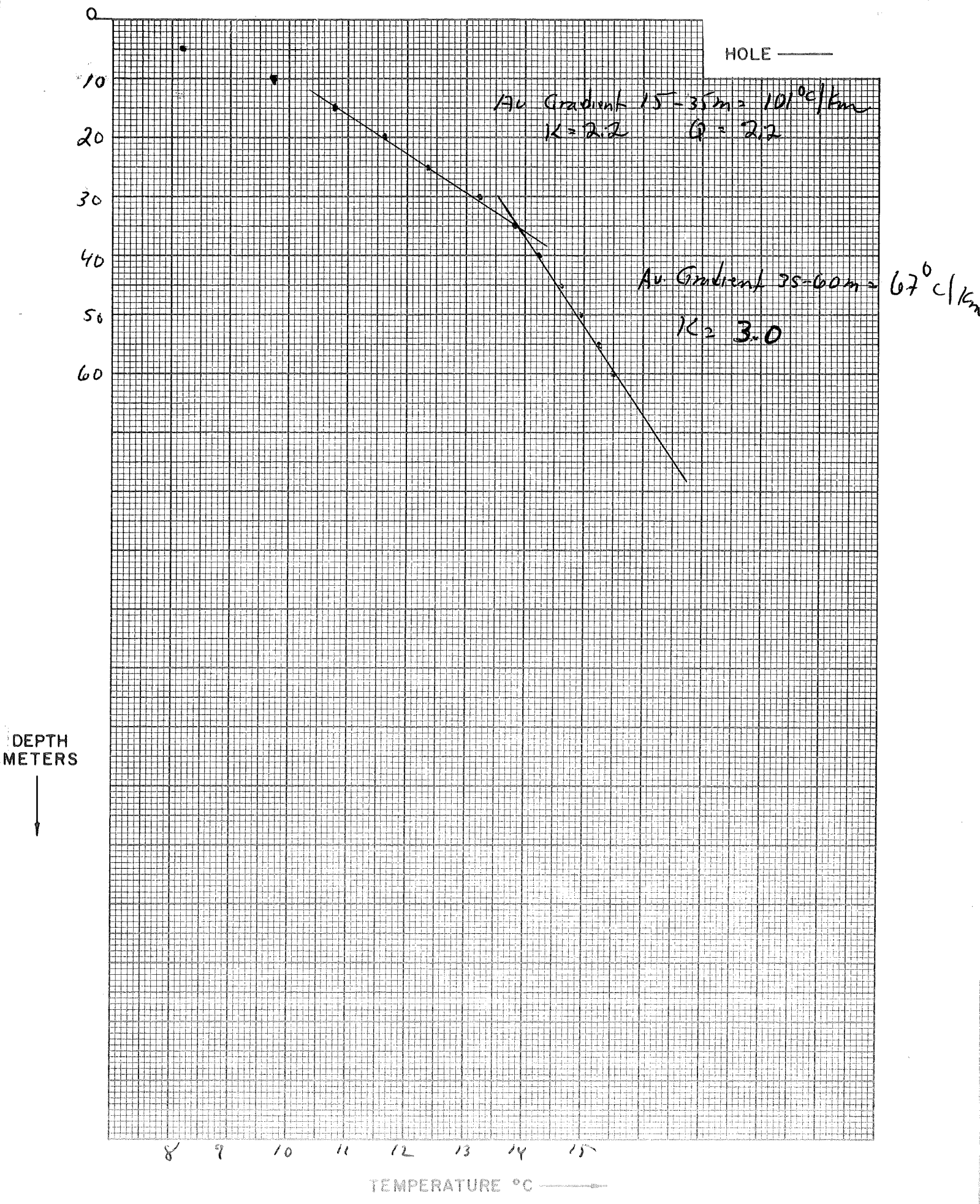
Continue each card below.

	SEGMENT DEPTH										K	ΔK																			
	Start						End																								
C	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
D	35.0										60.0																				
E																															
F																															
G																															

Final Segment: Start = .999









47 0780

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
WASHINGTON, D.C. 20540

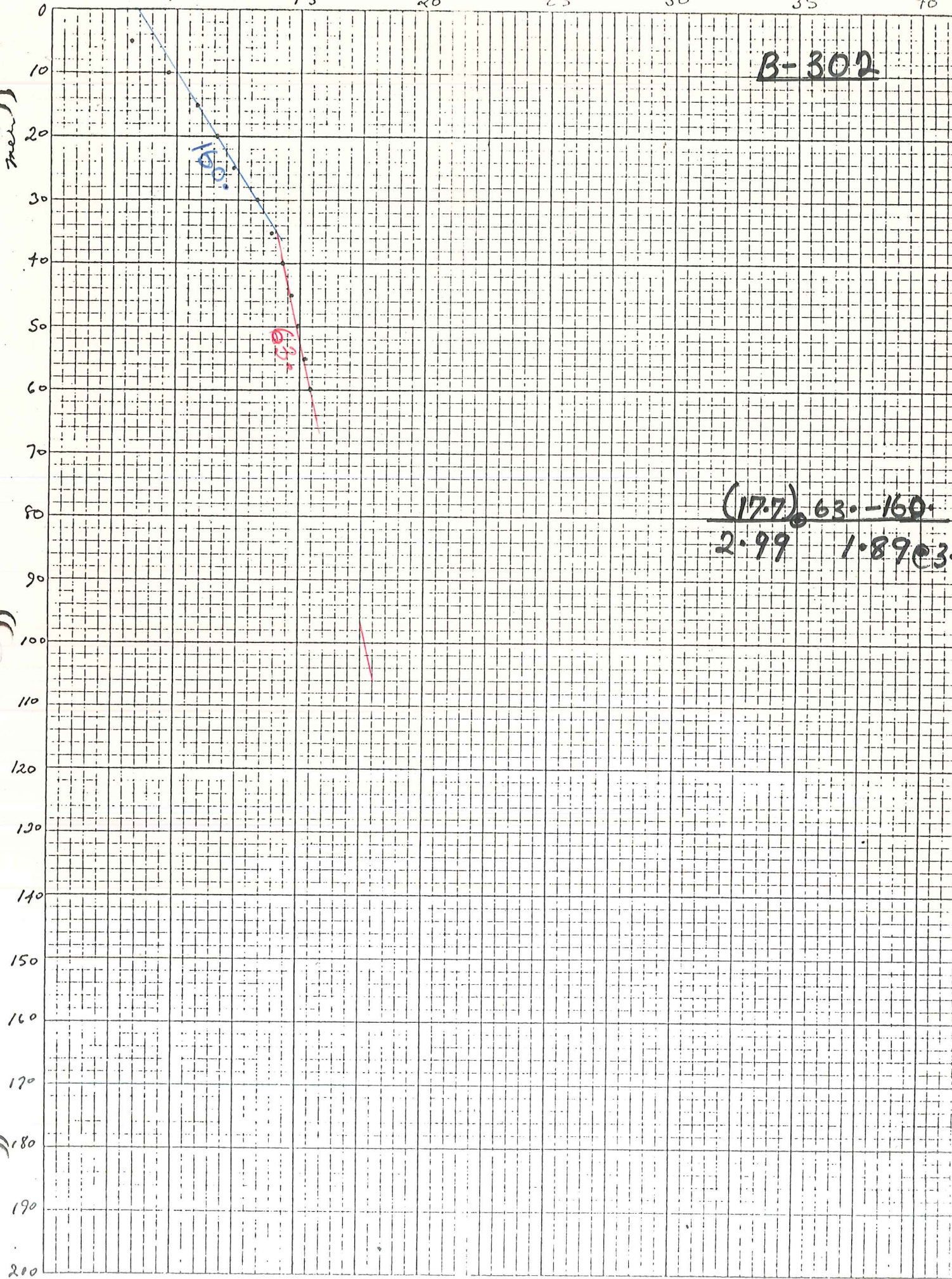
1

1

1

1

B-302

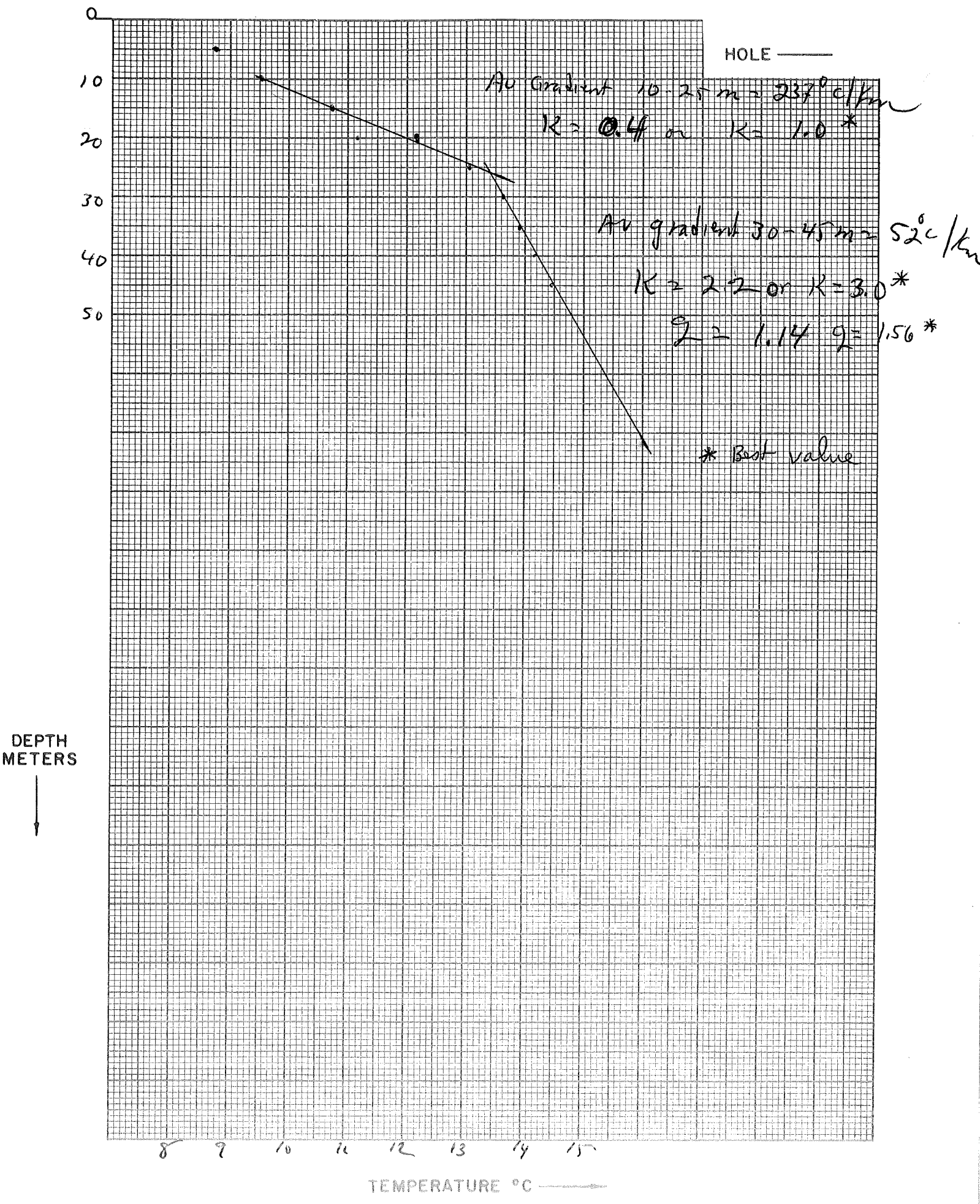














B-303.

47 0780

10 X 10 FILE PAPER  
KEUFFEL & ESSLER CO. MADE IN U.S.A.

mer

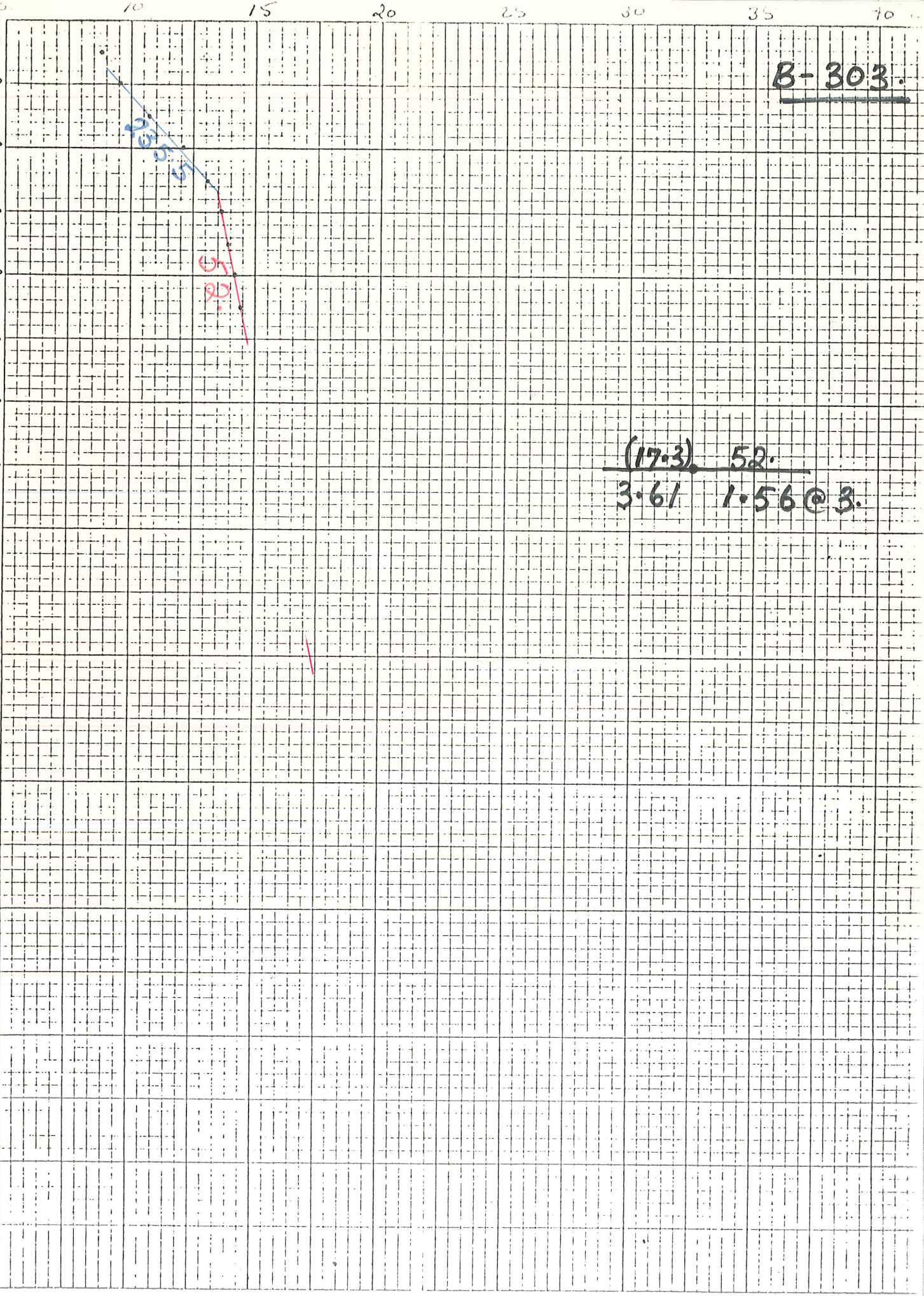
U

U

(1

U

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40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170  
180  
190  
200





TEMPERATURE DEPTH LOG

ΔT Well No. 304

Property-Project Rest Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: /

Proj No					Well No					Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
/	/	/	/	/																CM

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
1.3 KM SE OF BRINSTONE RES																																			JED/MLH																													

Scale Unit		Map Size			Map Location <sup>Δ</sup>				N Lat				W Long																
in	cm	(7.5, 15, 60)			Degree		Min		Degree		Min		Degree		Min														
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
/	/	15.			38.		13.		113.		30.																		

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+)

Card B

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
8.9										16.85										5700.									

Write M if meters

SEGMENT DEPTH

	Start	End	K	ΔK
C	20.0	50.0		
D	130.0	160.0		-0.5
E				
F				
G				

Continue each card below.

SEGMENT DEPTH

	Start	End	K	ΔK
C	50.0	130.0	-5.5	.5
D	.999			
E				
F				
G				

Final Segment: Start = .999

TEMPERATURE - DEPTH LOG

Location 1/2 MILE SE. OF BRIMSTONE RES Date 22-JAN-77

Map FRISCO UT. 15"

Property BEST T 29S R 14W sec NE 1/4 SE 1/4 11

Drill Hole B-304 Date Drilled \_\_\_\_\_ Elevation 5700 ft.

Instrument \_\_\_\_\_ Operator JED

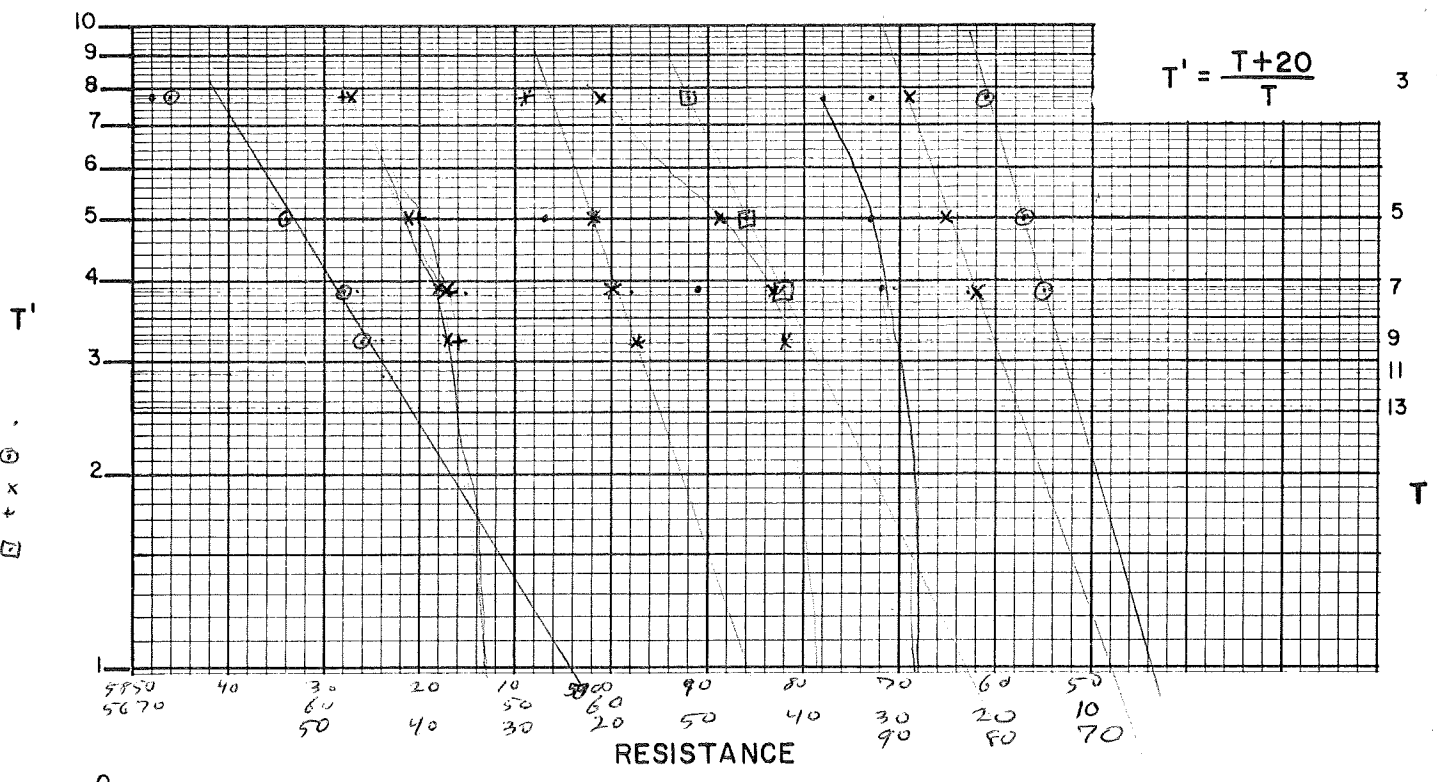
Comments 6" UNCASIED MINERAL EX. HOLE

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
10	5848 5807 5797 5782					
15	5668 5662 5659 5658	13.51	0.50	100		
20	5547 5541 5538 5448	14.01	0.48	98		
25	5440 5437 5436	14.47	0.52	104		
30	5352 5346 5342 5261	14.98	0.40	80		
35	5249 5243 5242	15.38	0.45	90		
40	5169 5162 5160 5078	15.83	0.38	76		
45	5073 5072 4989	16.21	0.50	100		
50	4985 4982 4921	16.71	0.33	66		
55	4917 4915 4851	17.04	0.37	74		
60	4847 4846 4723	17.41	0.69	69		
70	4717 4715 4713	18.10				
80	4590 4587 4585 4489	18.81	0.71	71		
90	4463 4461 4460	19.52	0.71	71		
100	4355 4351 4348	20.20	0.68	68		

→



$$T' = \frac{T+20}{T}$$



10 .  
15 ⊙  
20 x  
25 +  
30 □

T

3  
5  
7  
9  
11  
13

55 50 40 30 20 10 60 50 40 30 20 10 50 70

RESISTANCE

HOLE \_\_\_\_\_

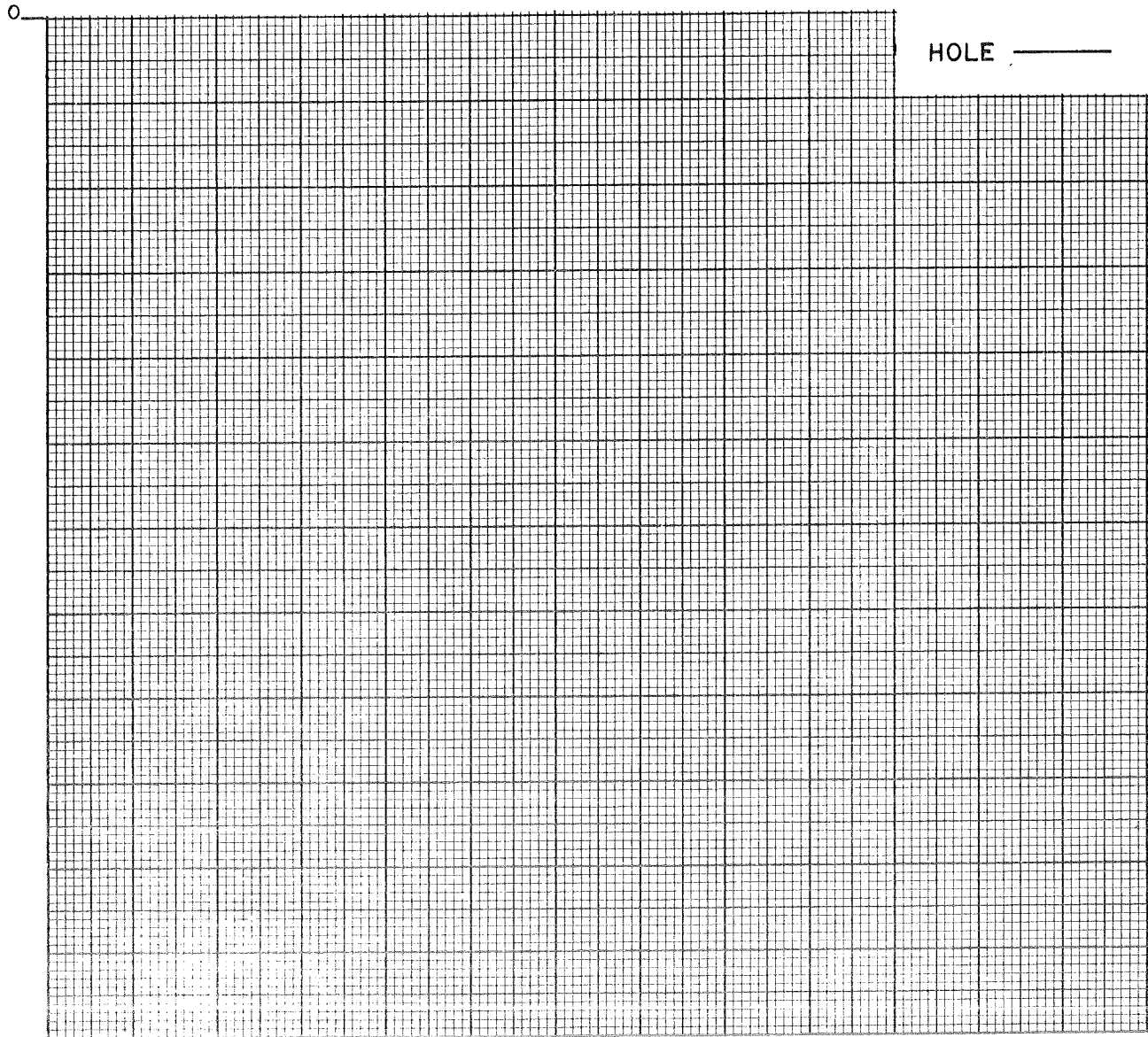
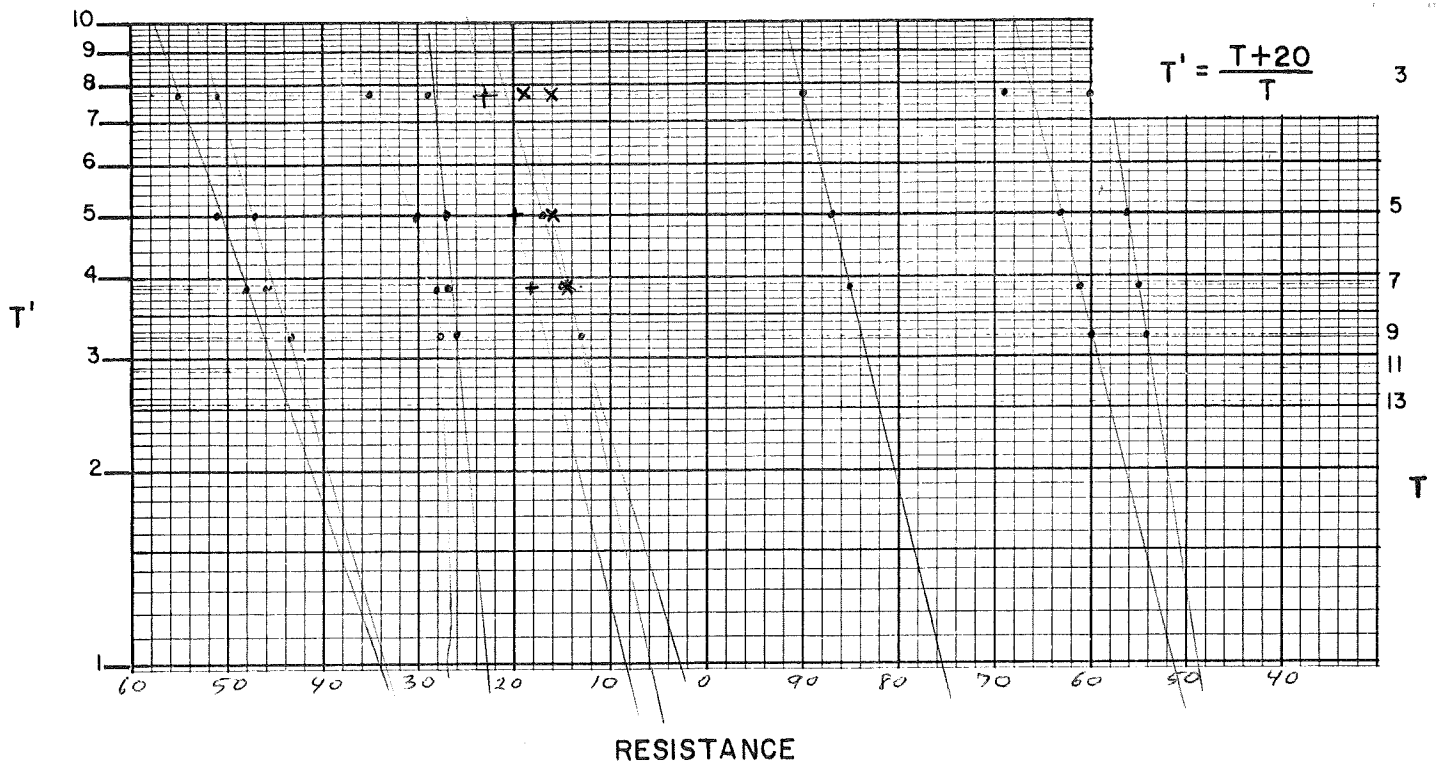
DEPTH METERS



TEMPERATURE °C →

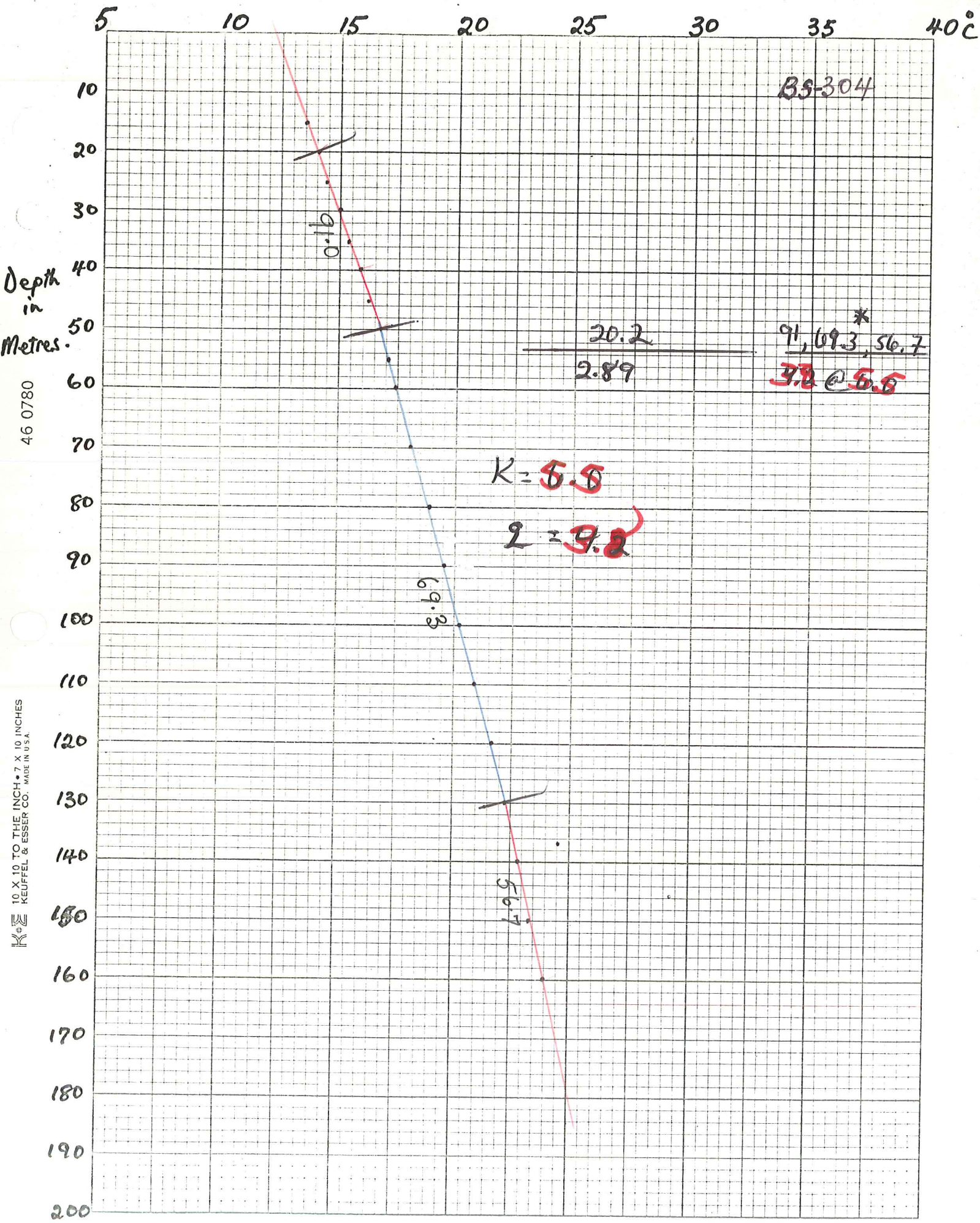






TEMPERATURE °C →

DEPTH METERS ↓



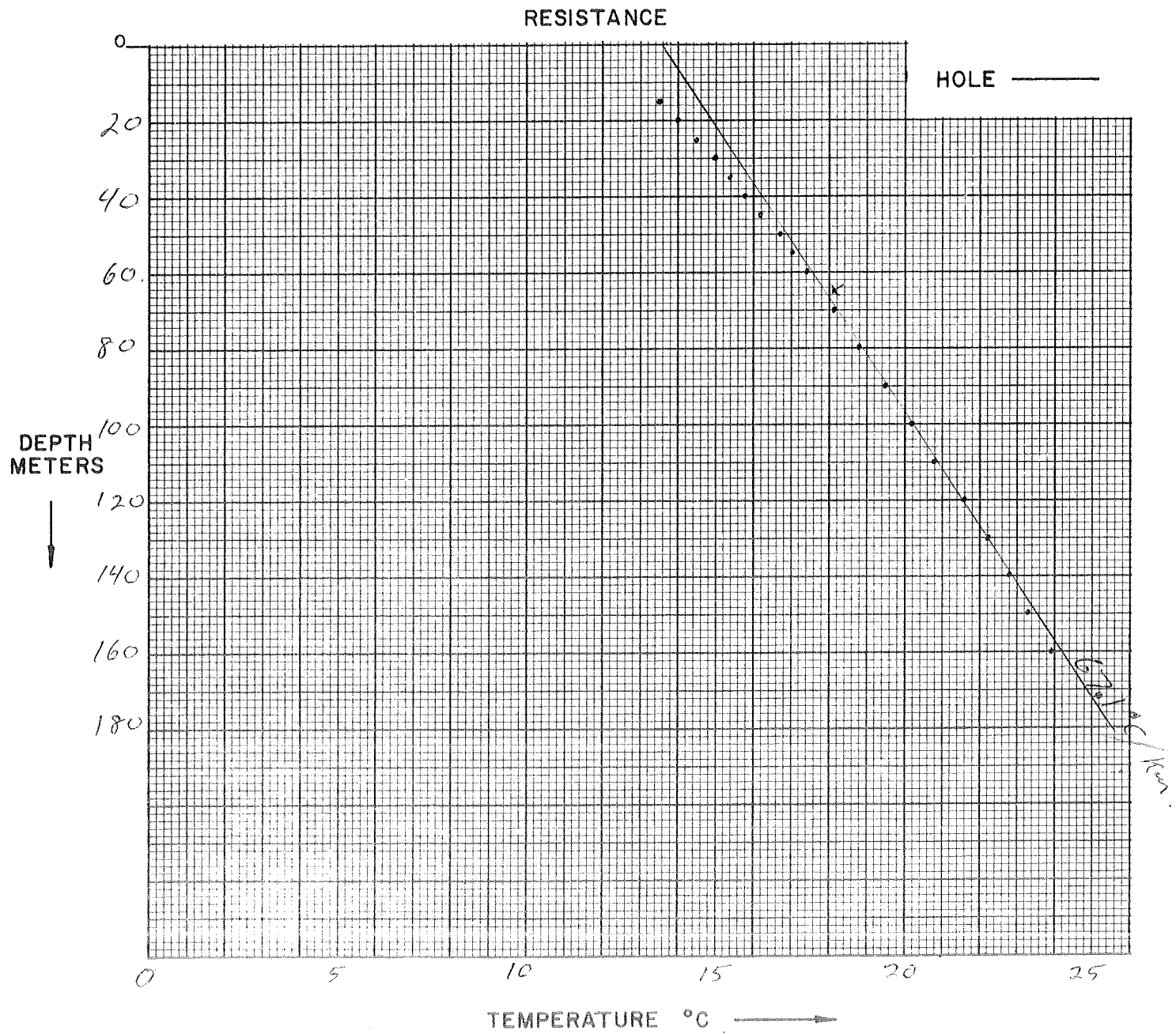
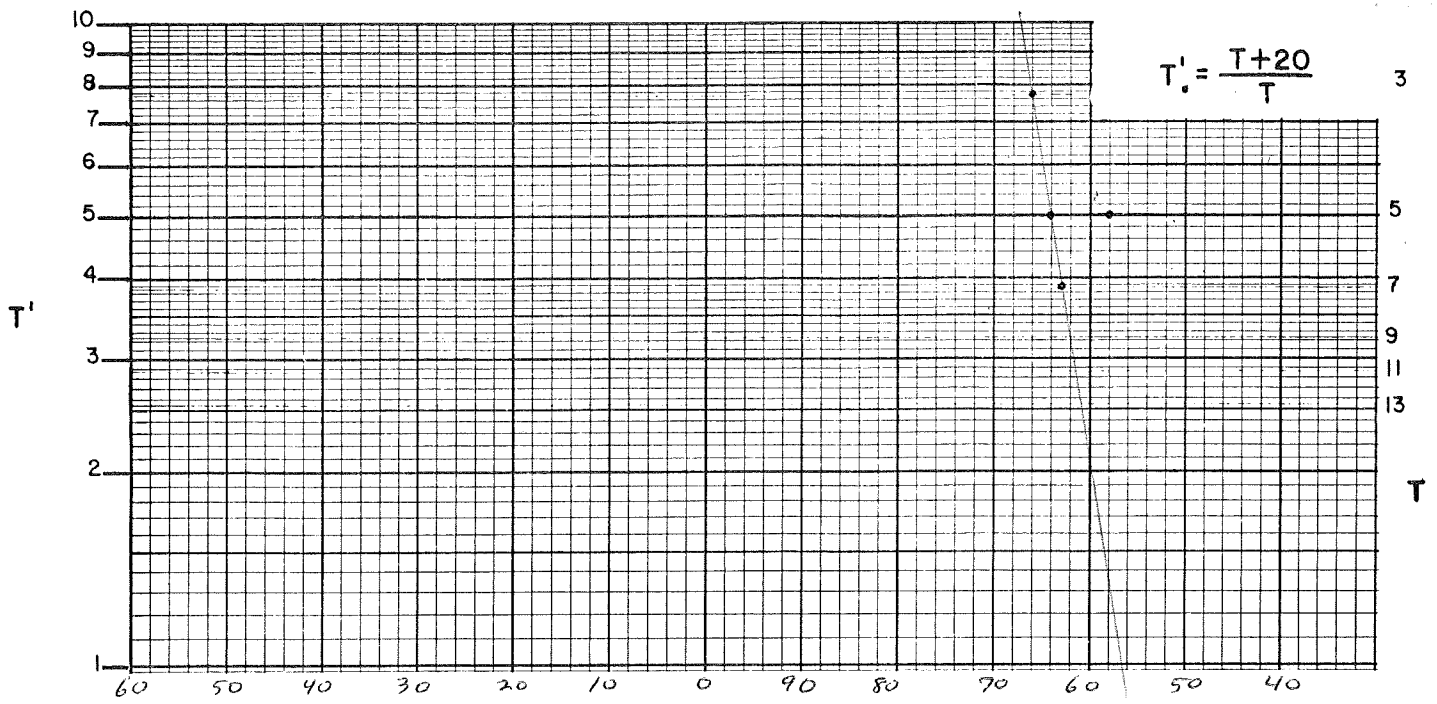
Depth in Metres.

46 0780

KE 10 X 10 TO THE INCH • 7 X 10 INCHES KEUFFEL & ESSER CO. MADE IN U.S.A.









# TEMPERATURE DEPTH LOG

ΔT Well No. 305

Property-Project BS Depth Logged \_\_\_\_\_  
Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
Comments \_\_\_\_\_

## COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No										Well No										Date Logged																																							
										DA	MO					YR					*																																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description

Site Description																																																								Operator				Editor			
3.1 KM EAST OF BRIMSTONE RES																																																								JED				MLH			

Card B

Scale Unit		Map Size		Map Location Δ		N Lat		W Long																																																			
in	cm	(7.5, 15., 60)		Degree	Min	Degree	Min	Degree	Min																																																		
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

Use decimals

North

North										Easting										Elev										
9.4										19.96022										-										F

Write M if meters

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

C D E F G	SEGMENT DEPTH																																				
	Start	End															K	ΔK																			
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50							
	20.0										29.8															-6.0					-.5						

C D E F G	SEGMENT DEPTH																															
	Start	End															K	ΔK														
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80		
	.999																															

Final Segment: Start = .999

TEMPERATURE - DEPTH LOG

Location 2 1/2 MILES W. OF WHITE MTN Date 10-FEB-77

Map FRISCO UT, 15"

Property BURNING STONE T 295R 13W sec 7 SW 1/4 NW 1/4

SECOND LOGGING

Drill Hole B-305 Date Drilled \_\_\_\_\_ Elevation 6070 ft.

Instrument UPR-3 Operator JED

Comments 2 1/2" MINERAL EX HOLE, TOP OF RIDGE, 3/4" WATER FILLED

PVC PLACED IN HOLE. RK. SILICIFIED TUFF. SILICIFICATION FROM 50-100% AV ~ 75%. ZONES OF RED OXIDIZED STAINING.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
1.0	8913	2.64			SURFACE TEMP 5.0°C
1.5	8617	3.41			
2.0	8276	4.35			GRADIENT 20-29m 57.8°C/km
2.5	7695	6.05			
3.0	7337	7.18			
3.5	7054	8.11			
4.0	6847	8.82			
4.5	6671	9.45			
5.0	6518	10.01			
5.5	6368	10.57			
6.0	6267	10.96			
6.5	6159	11.38			
7.0	6090	11.66			
7.5	5993	12.05			
8.0	5937	12.28			
8.5	5904	12.42			
9.0	5880	12.52			
9.5	5865	12.58			
10.0	5857	12.61			
10.5	5854	12.63			
11.0	5855	12.62			



TEMPERATURE - DEPTH LOG

Location \_\_\_\_\_ Date \_\_\_\_\_

Map \_\_\_\_\_

Property \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ sec \_\_\_\_\_

Drill Hole B-305 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

Instrument \_\_\_\_\_ Operator \_\_\_\_\_

Comments \_\_\_\_\_

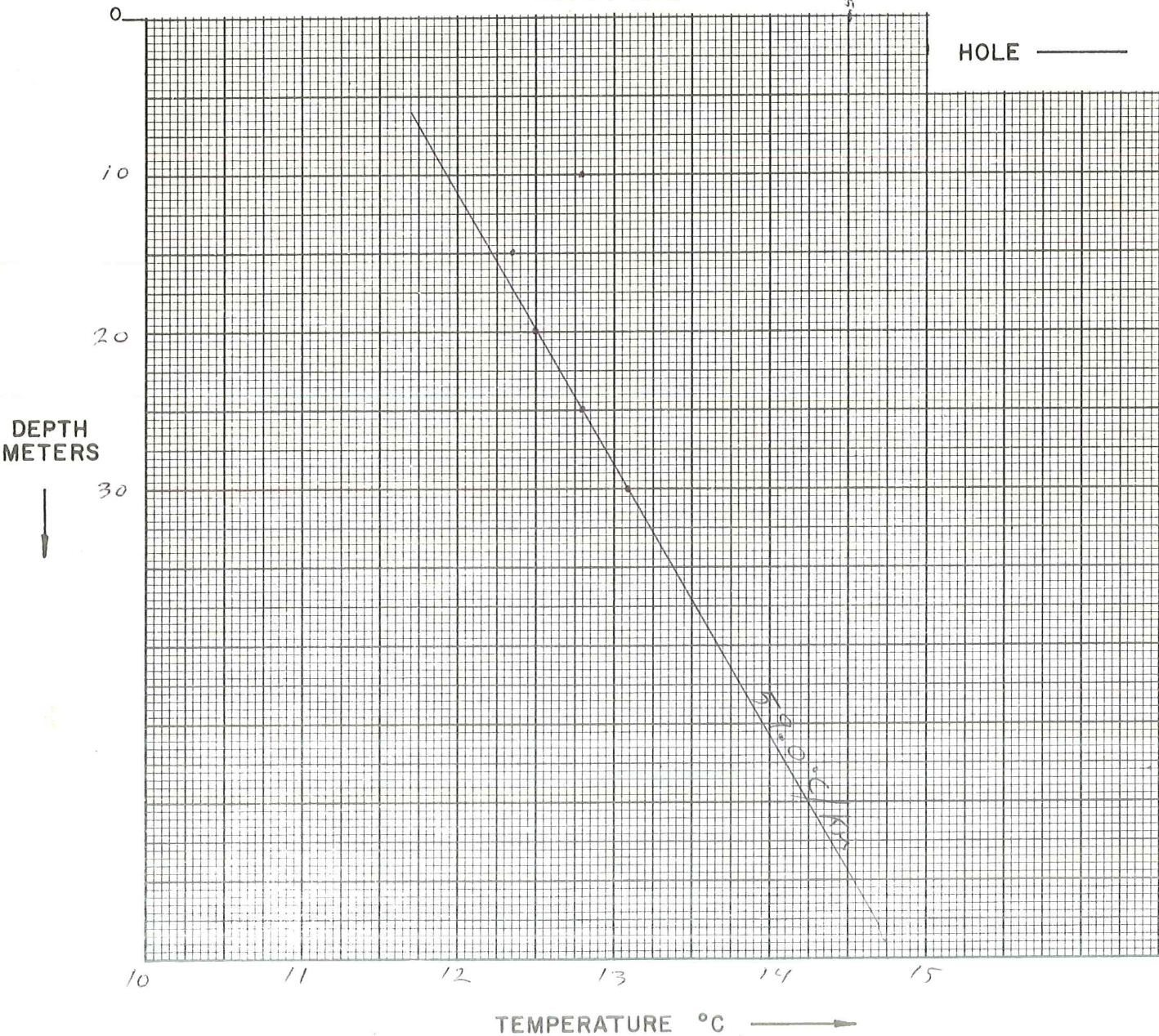
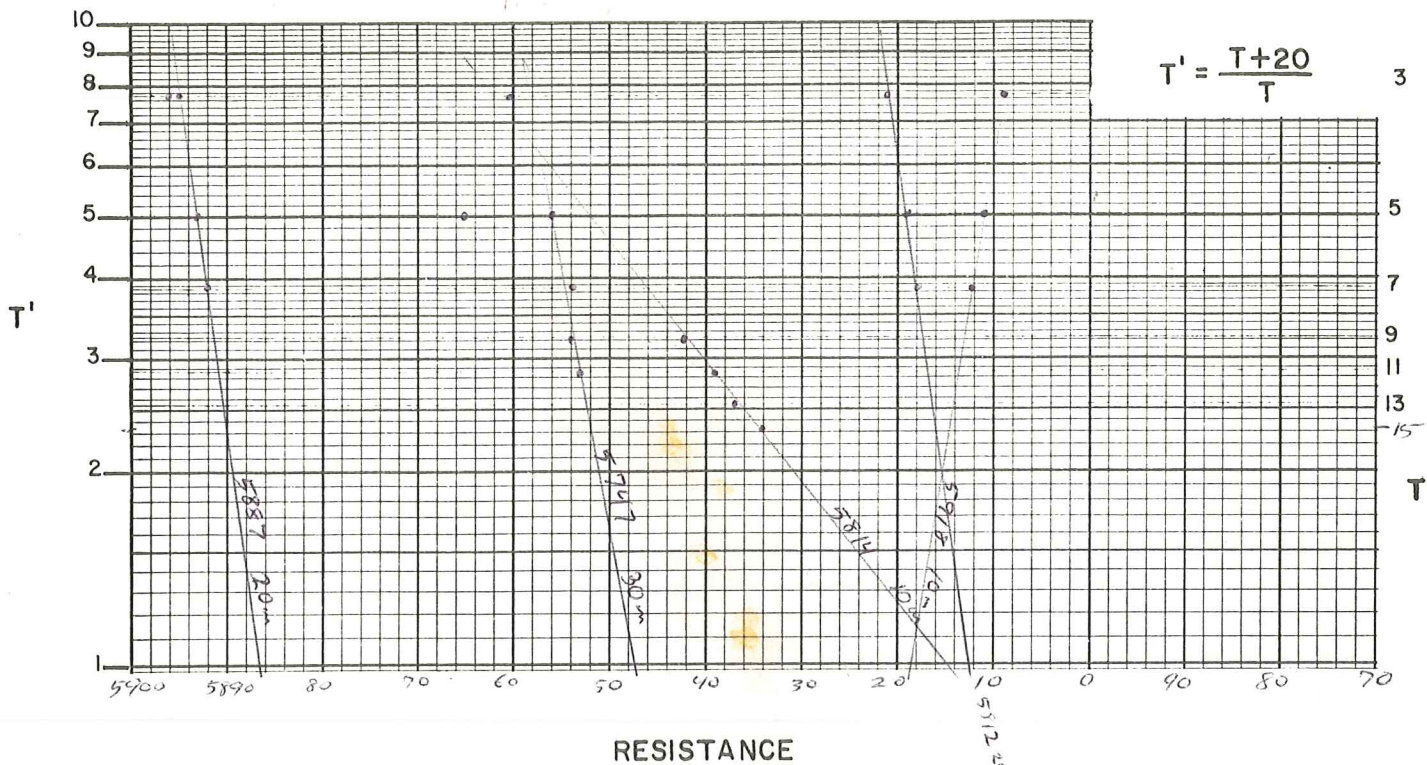
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
11.5	5858	12.61				
12.0	5863	12.59				
12.5	5870	12.56				
13.0	5877	12.53				
13.5	5885	12.50				
14.0	5891	12.47				
14.5	5897	12.45				
15.0	5901	12.43				
15.5	5905	12.41				
16.0	5908	12.40				
16.5	5909	12.40				
17.0	5908	12.40				
17.5	5908	12.40				
18.0	5905	12.41				
18.5	5901	12.43				
19.0	5897	12.45				
19.5	5891	12.47				
20.0	5886	12.49				
21	5873	12.55	0.06	60		
22	5857	12.61	0.06	60		
23	5843	12.67	0.06	60		













5 10 15 20 25 30 35 40°C

BS-305

10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170  
180  
190  
200

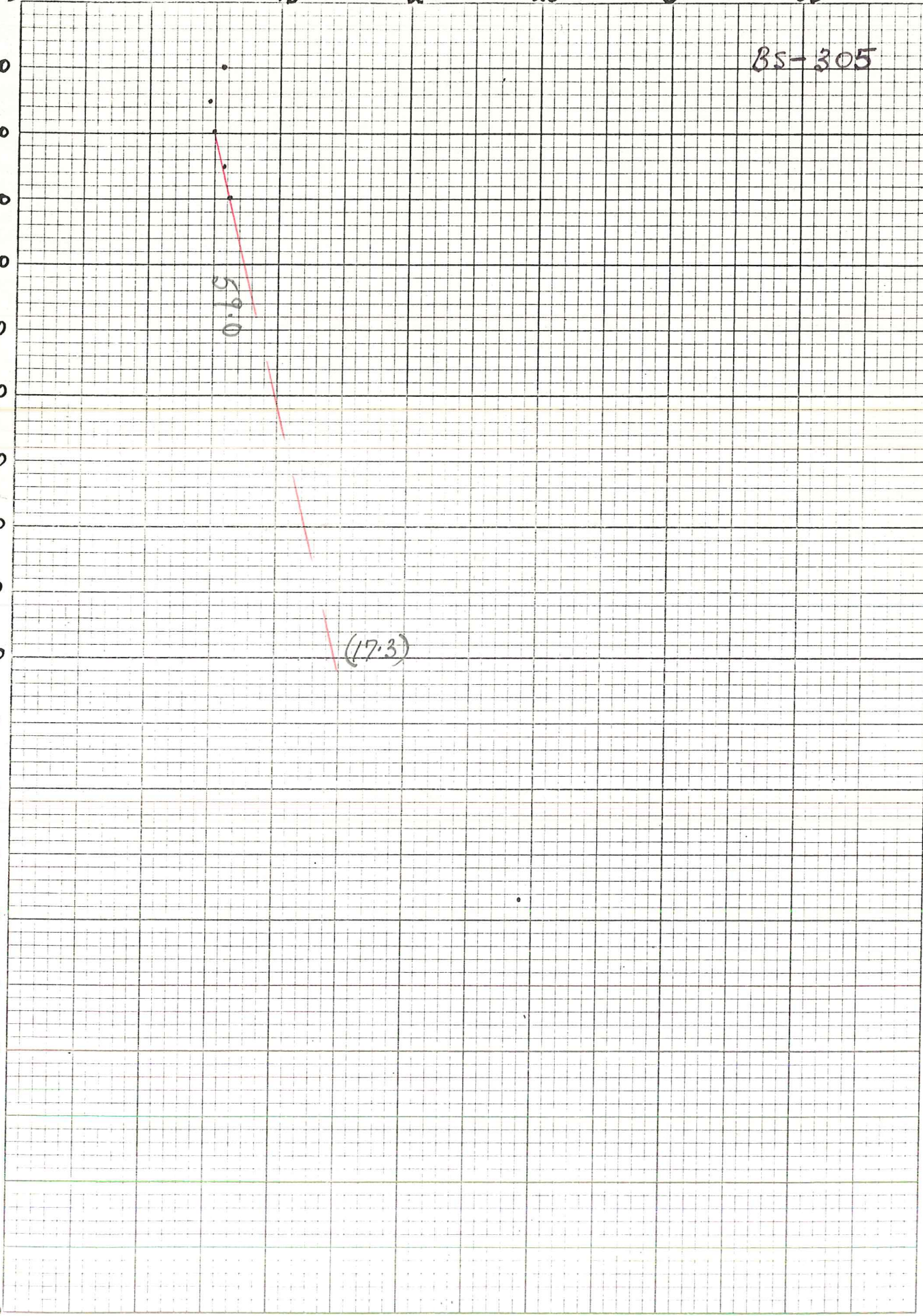
Depth  
in  
Metres.

46 0780

59.0

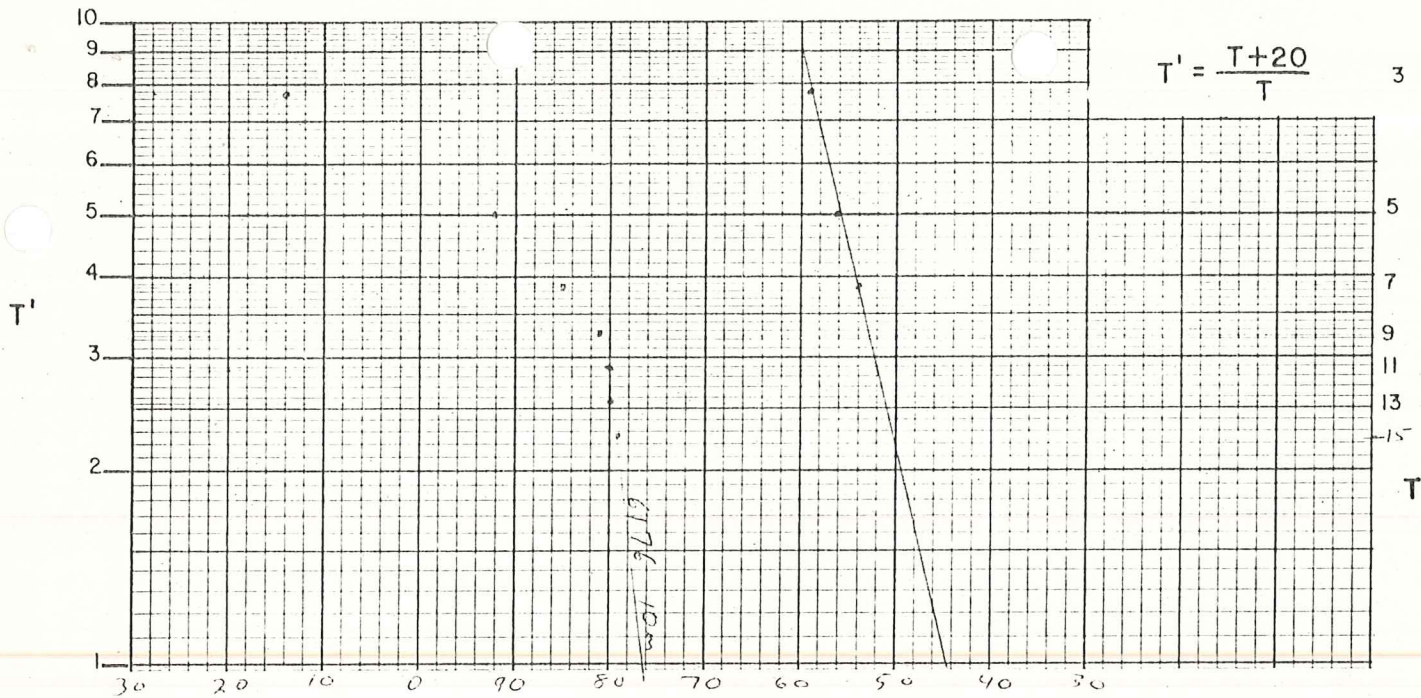
(17.3)

10 X 10 TO THE INCH • 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.









RESISTANCE

HOLE ———

DEPTH METERS



TEMPERATURE °C ———→

5 10 15 20 25 30 35 40°C

BS-306

Not sufficient to calculate Heat Flow

Depth in Metres.

46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES KEUFFEL & ESSER CO. MADE IN U.S.A.

10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170  
180  
190  
200







TEMPERATURE - DEPTH LOG

Location 7 MILES W-SW OF BRIMSTONE MINE Date 31-JAN-77

Map FRISCO UT, 15"

Property BURNING STONE T 295 R 15 W sec 26 NE 1/4 NE 1/4

Drill Hole B-307 Date Drilled \_\_\_\_\_ Elevation 7050 ~~6850~~ ft.

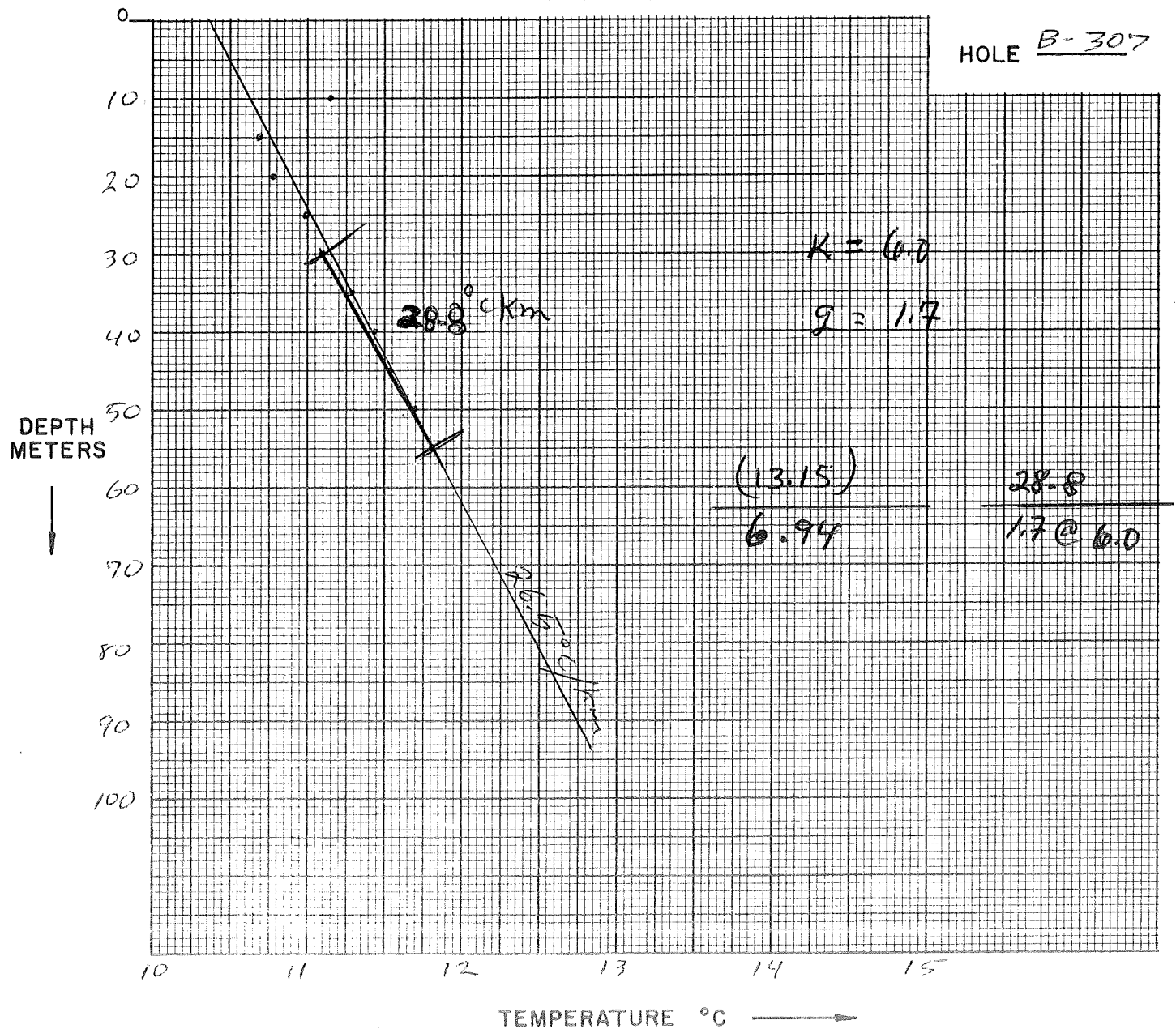
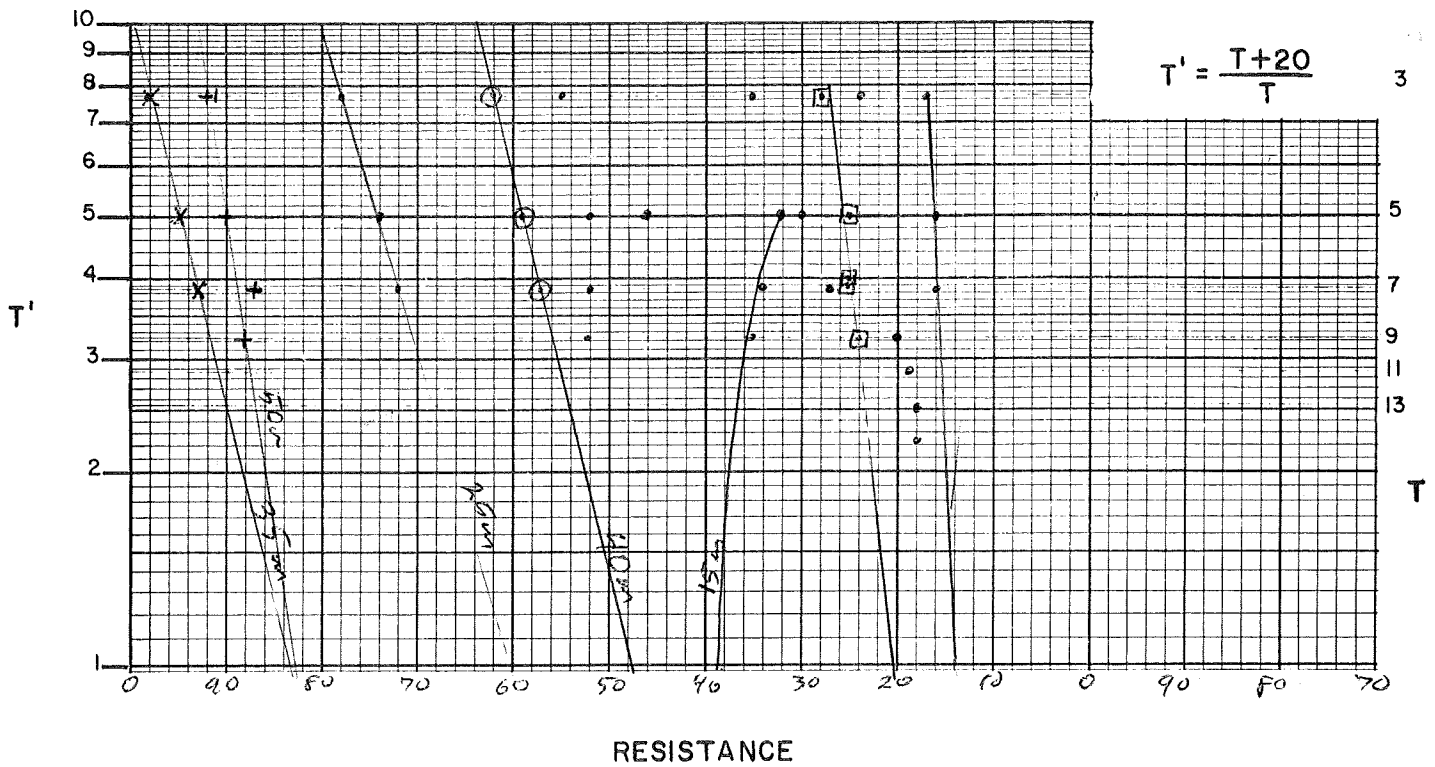
Instrument VPR-3 Operator JCAJ

Comments 4 3/4" MINERAL EXPLORATION HOLE

XL-TUFF, PARTLY SILICIFIED, PARTLY UNALTERED, BECOMING MORE SILICIFIED AT DEPTH. 60-80%

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
37	6298				
10 57	6248	11.16			
7	6227				
9	6220				
11	6219				
15	6210				
	6218		-0.52	-104	
15	6324	10.68			GRADIENT 35-55m 26.5°C/km
	6332				
	6334				
	6335				
20	6317	10.78	.10	20	
	6316				
	6316				
25	6278	10.99	.21	42	
	6274				
	6272				
30	6235	11.10	.11	22	
	6230				
	6230				
	6230				
35	6198	11.29	.19	38	
	6195				
	6193				
40	6162	11.43	.14	28	
	6159				
	6157				
45	6128	11.54	.11	22	
	6125				
	6125				
	6124				
50	6092	11.69	.15	30	
	6090				
	6087		.13	26	
	6088				
55	6055	11.82			
	6052				
	6052				
	6052				



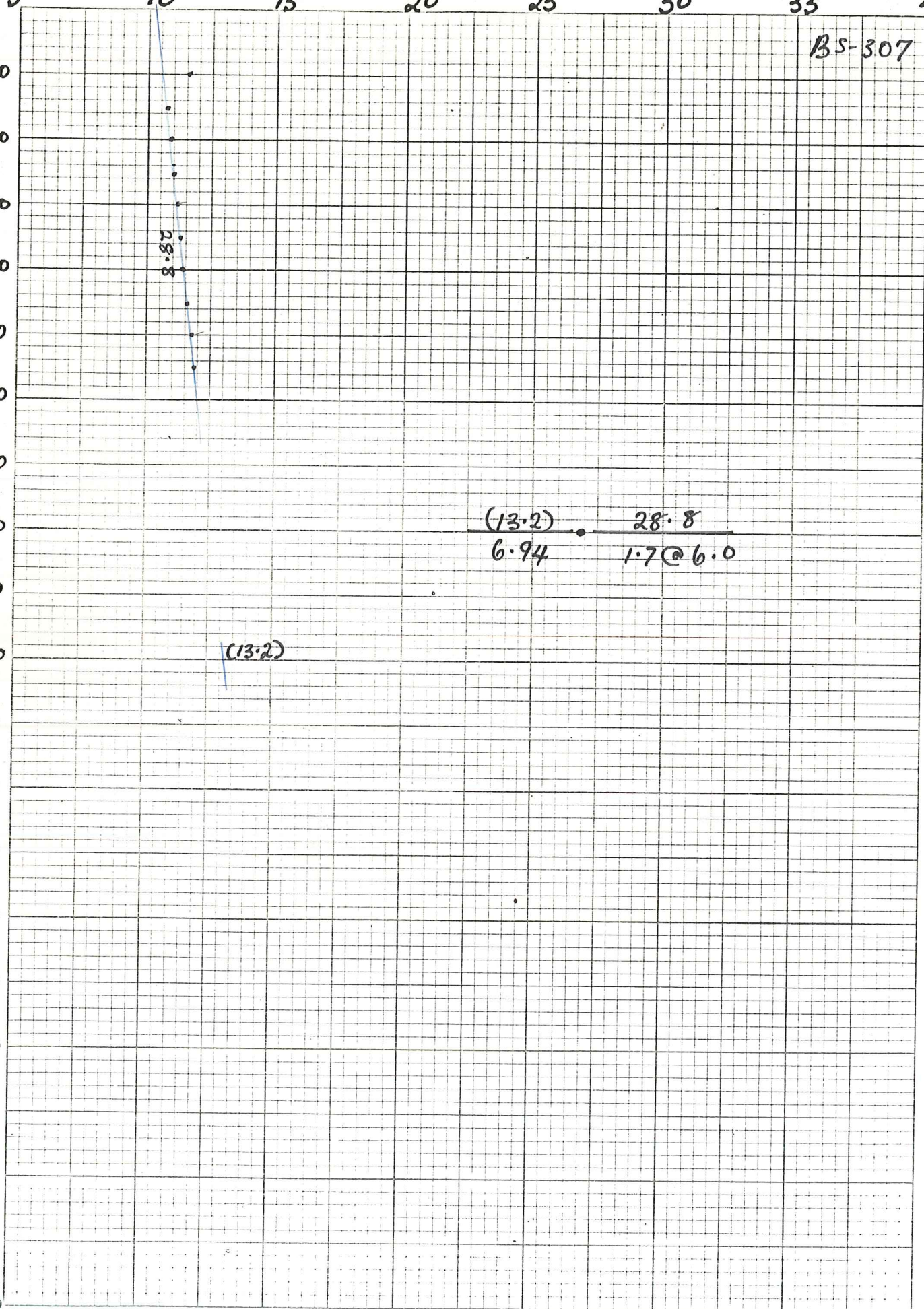


5 10 15 20 25 30 35 40°C

BS-307

Depth  
in  
Metres.

46 0780





TEMPERATURE DEPTH LOG

ΔT Well No. 308

Property-Project BS Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No					Well No					Date Logged			*						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	2	1			3	0	8	0	4	0	4	0	0	8	0	0	8	0	C

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	J	E	D	M	L	H														
5.0 KM NORTH OF BRIMSTONE RES																																																											

Card B

Scale Unit		Map Size		Map Location <sup>Δ</sup>																									
in	cm	(7.5, 15., 60)		N Lat		W Long																							
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
C	M				1	5	.			3	8	.			1	1	3	.		3	0	.							

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

Use decimals

Write M if meters

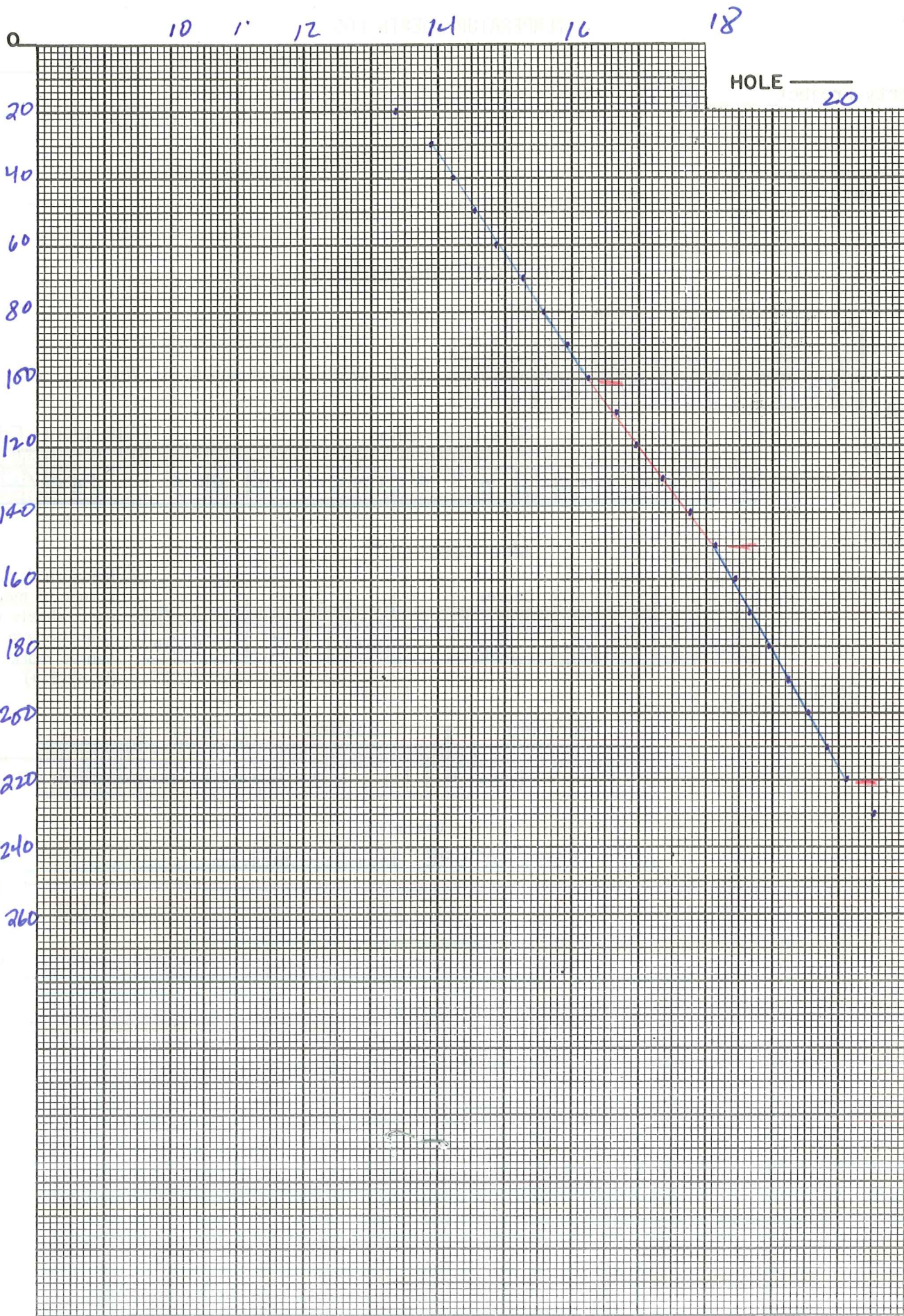
	SEGMENT DEPTH		K	ΔK
	Start	End		
C	25.0	100.0	-3.0	.5
D	150.0	220.0		-.5
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	100.0	150.0		
D	.999			
E				
F				
G				

Final Segment: Start = .999





DEPTH METERS  
↓

TEMPERATURE °C →



TEMPERATURE - DEPTH LOG

Location 3 MILES N-NW OF BRIMSTONE MIN Date 4-FEB-77

Map FRISCO UT, 15'

Property BURNING STONE T 28S R 14W sec 27

Drill Hole B-308 Date Drilled \_\_\_\_\_ Elevation 5410 ft.

Instrument VPR-3 Operator JED

Comments WATER WELL, 16" CASING, DRILLED IN VLY FILL

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
10	6012 5962 5936 5917 5905 5898 5874 5886				
20	5769 5751 5738 5729	13.39	0.51	51	GRADIENT 170-220m 29.2°C/km
30	5645 5630 5616 5608	13.90	0.31	31	
40	5542 5533 5525 5521	14.21	0.31	31	
50	5477 5466 5460 5455	14.52	0.34	34	
60	5411 5388 5390	14.86	0.41	41	
70	5337 5326 5317 5309 5304 5300	15.27	0.32	32	
80	5235 5218 5214 5212 5209	15.59	0.33	33	
90	5172 5161 5156 5152	15.92	0.32		
100	5107 5096 5093 5087 5085	16.24			

TEMPERATURE - DEPTH LOG

Location \_\_\_\_\_ Date \_\_\_\_\_

Map \_\_\_\_\_

Property \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ sec \_\_\_\_\_

Drill Hole B-308 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

Instrument \_\_\_\_\_ Operator \_\_\_\_\_

Comments \_\_\_\_\_

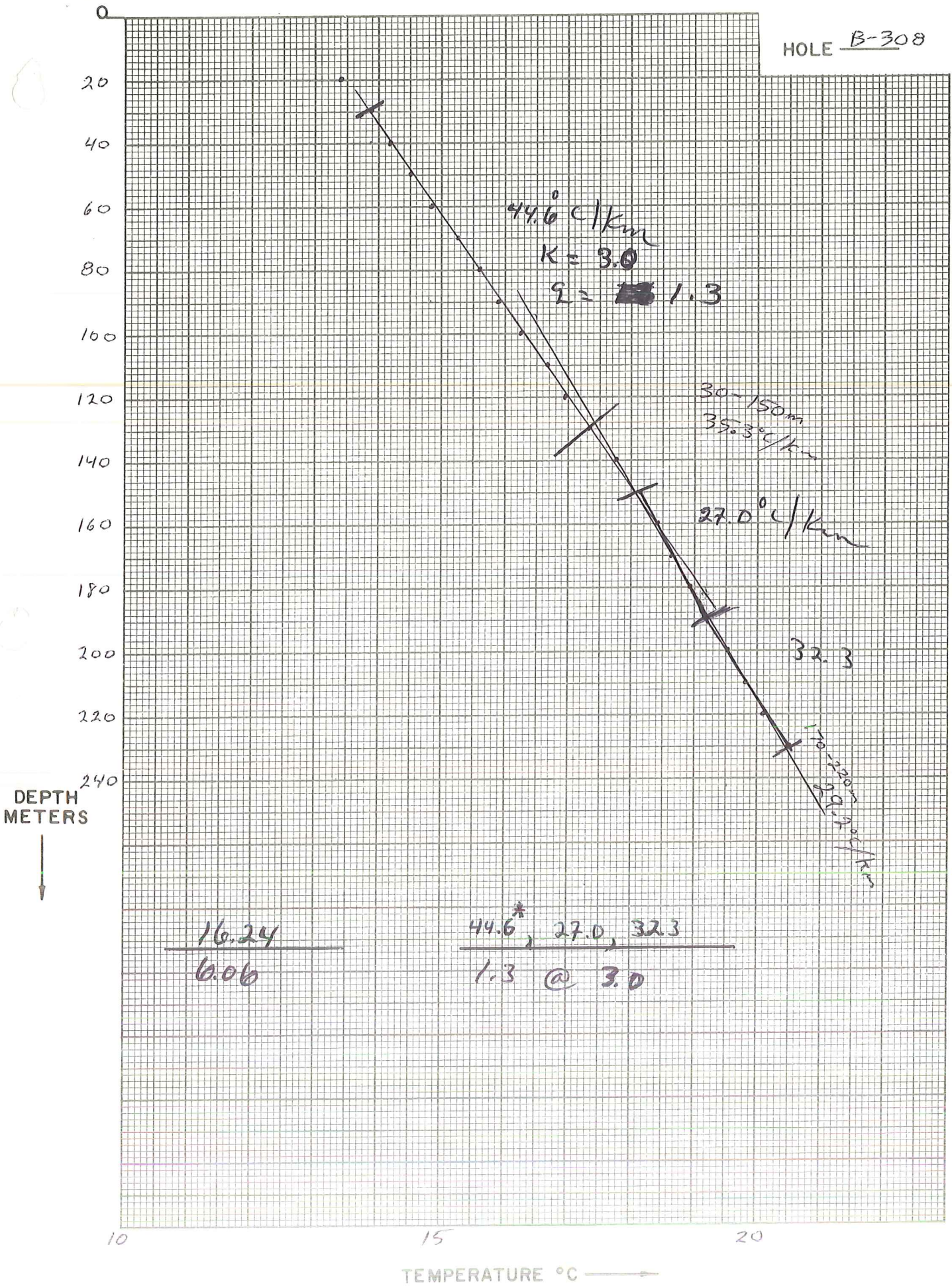
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
110	5033 5024 5011 5007	16.68	0.44 0.28	44 28	
120	4959 4951 4946	16.96	0.40	40	
130	4880 4872 4863 4864	17.36	0.41	41	
140	4781 4779 4776 4775	17.77	0.37	37	
150	4713 4709 4707	18.14	0.29	29	
160	4664 4661 4657 4656	18.43	0.22	22	
170	4603 4602 4602	18.65	0.28	28	WATER (?)
180	4554 4555	18.93	0.29	29	
190	4503	19.22	<del>0.29</del> 0.31	31	
200	4449	19.53	0.29	29	
210	4398	19.82			



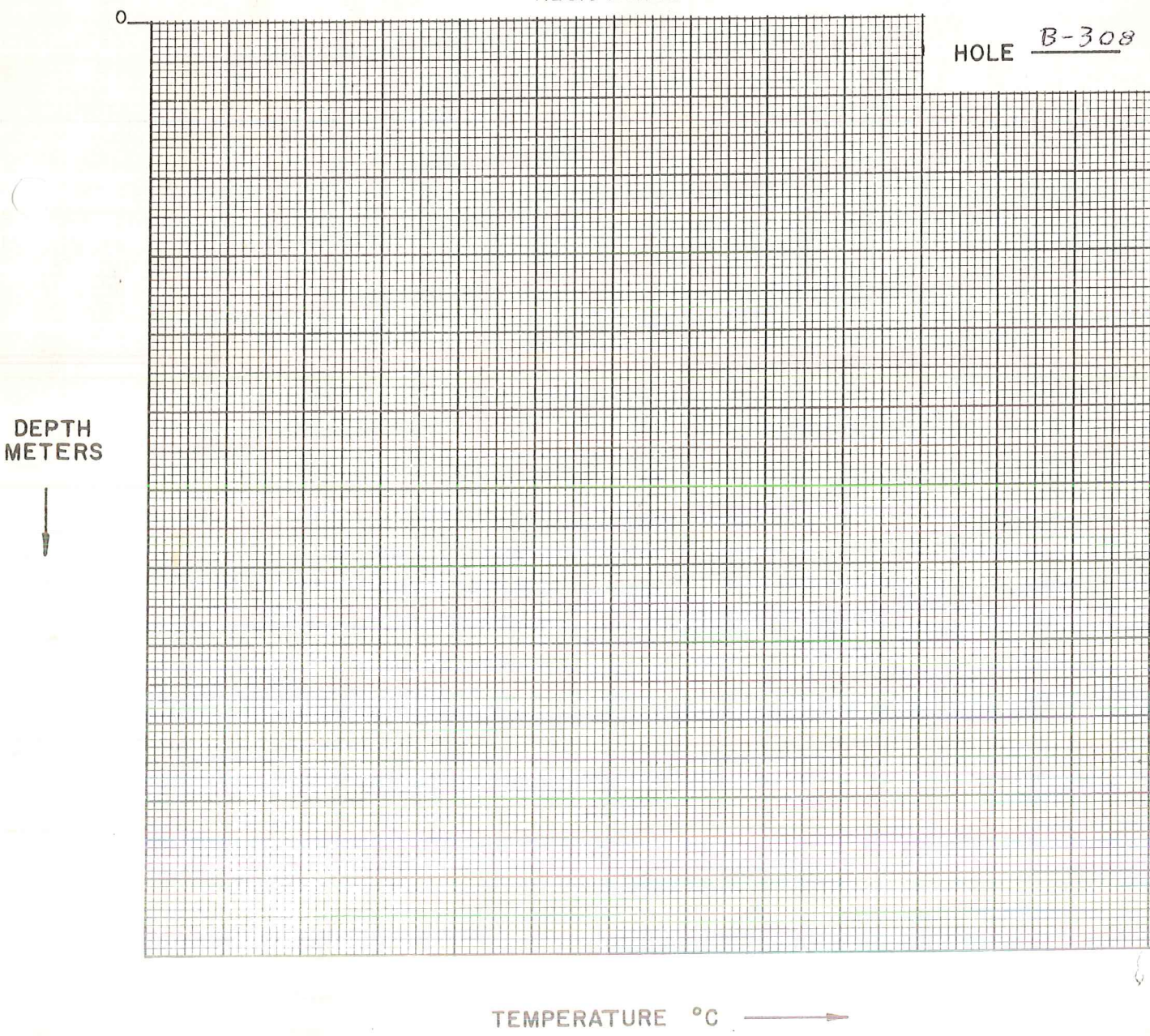
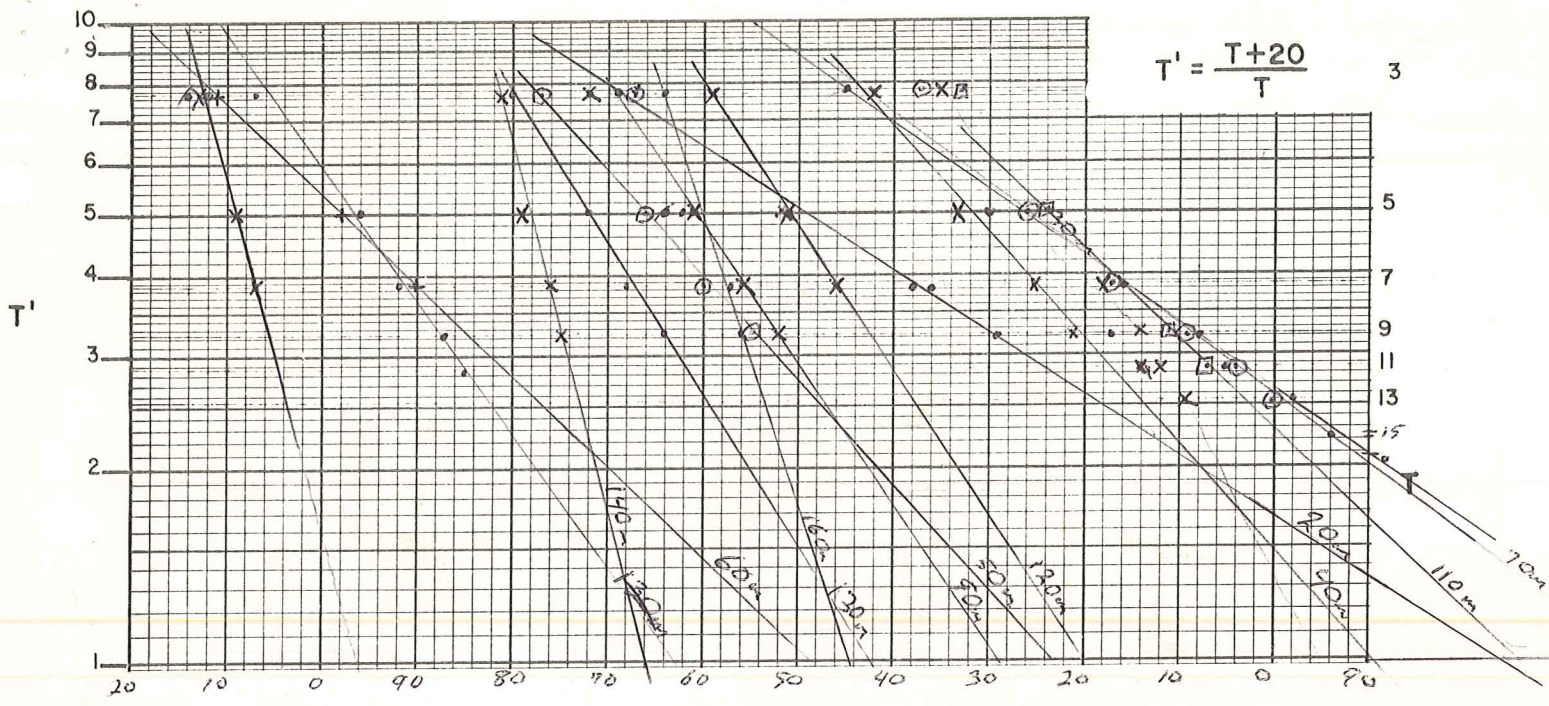




HOLE B-308









Depth  
in  
Metres.

240

220

200

190

180

170

160

150

140

130

120

110

100

90

80

70

60

50

40

30

20

10

5

10

15

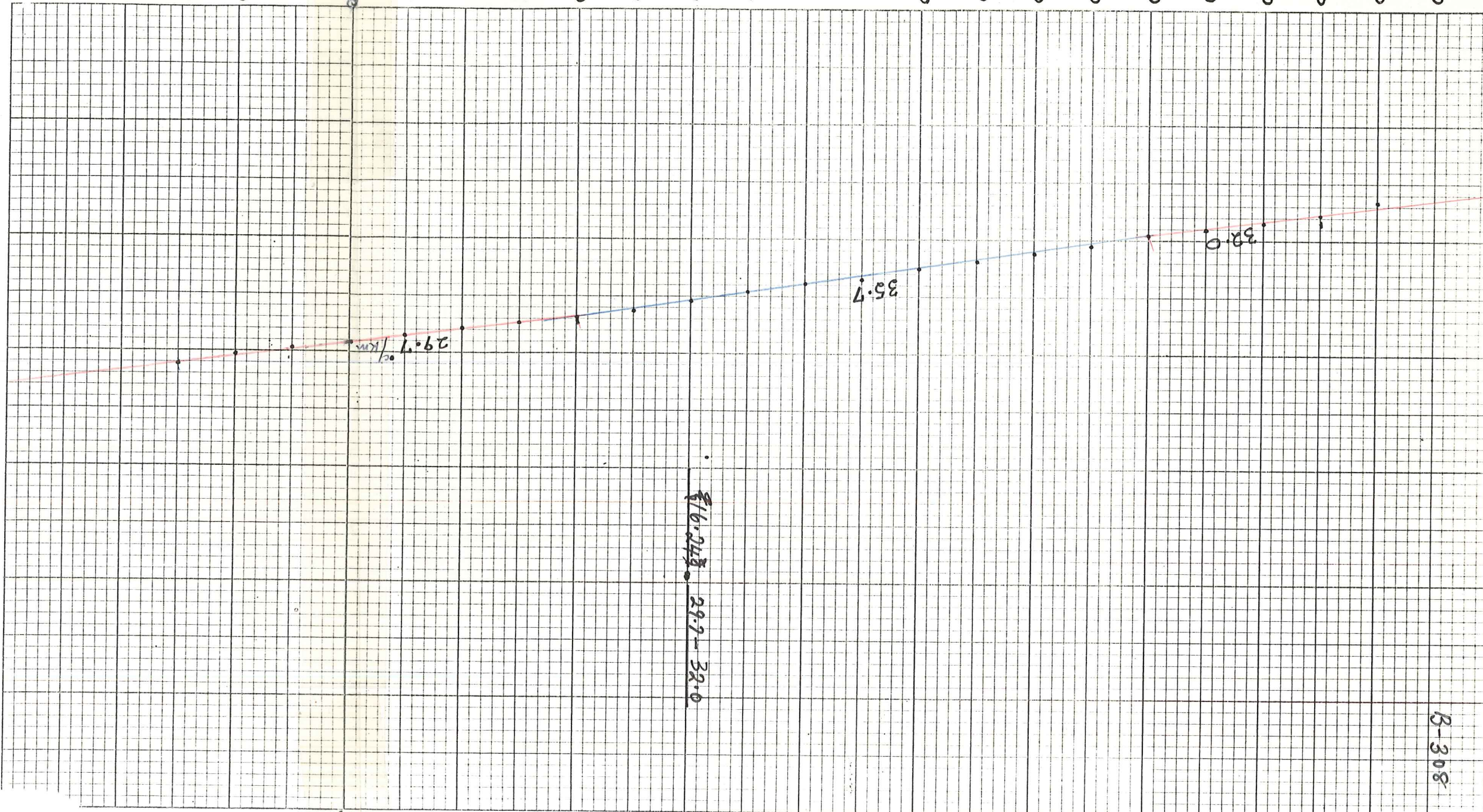
20

25

30

35

40



B-308

16.243  
29.7-32.0

29.7°/km

35.7

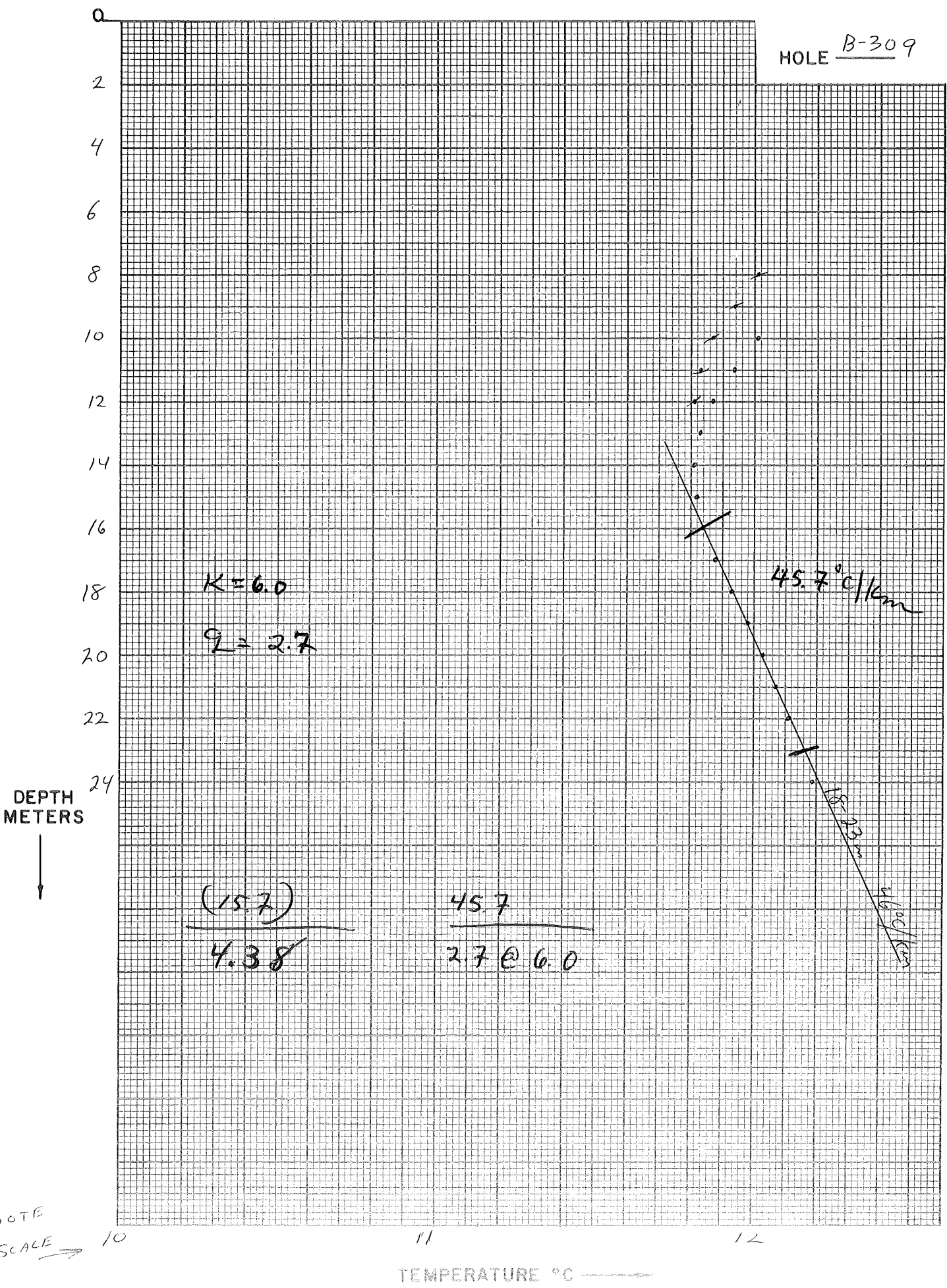








HOLE B-309



5 10 15 20 25 30 35 40°C

B5309

Depth  
in  
Metres.

46 0780

45.4  
45.9

(15.7) 45.7  
4.38 2.7@6.0

(15.7)

KE 10 X 10 TO THE INCH • 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170  
180  
190  
200



TEMPERATURE DEPTH LOG

ΔT Well No. 310

Property-Project BS Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: {

Proj No					Well No					Date Logged			*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*
8	2	1			3	1	0			10	12	77	CM

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A {

Site Description																																																							Operator					Editor				
6	.	1	K	M	N	W	O	F	A	N	T	E	L	O	P	E	S	P	R	I	N	G	S	S	E	D	/	H	L	H																																		

Card B {

Scale Unit		Map Size		Map Location Δ				N Lat		W Long		Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+)
in	cm	(7.5, 15, 60)		Degree	Min	Degree	Min	Degree	Min			
CM		15	.	38	.	113	.	30	.			

Use decimals

Northing										Easting										Elev					
27	.	7								12	.	6	5	5	2	0	.	F							

Use decimals 27.6 12.8

Write M if meters

	SEGMENT DEPTH																																																	
	Start	End	K	ΔK																																														
C	70.0	120.0	-3.0	.5																																														
D	.999																																																	
E																																																		
F																																																		
G																																																		

Continue each card below.

	SEGMENT DEPTH																																																	
	Start	End	K	ΔK																																														
C	120.0	190.0		-.5																																														
D																																																		
E																																																		
F																																																		
G																																																		

Final Segment: Start = .999

TEMPERATURE - DEPTH LOG

Location 7 MILES N-NW OF BRIMSTONE MINE Date 10-FEB-77

Map FRISCO UT, 15"

Property BURNING STONE T 28 S R 14 W sec 3 SE 1/4 NW 1/4

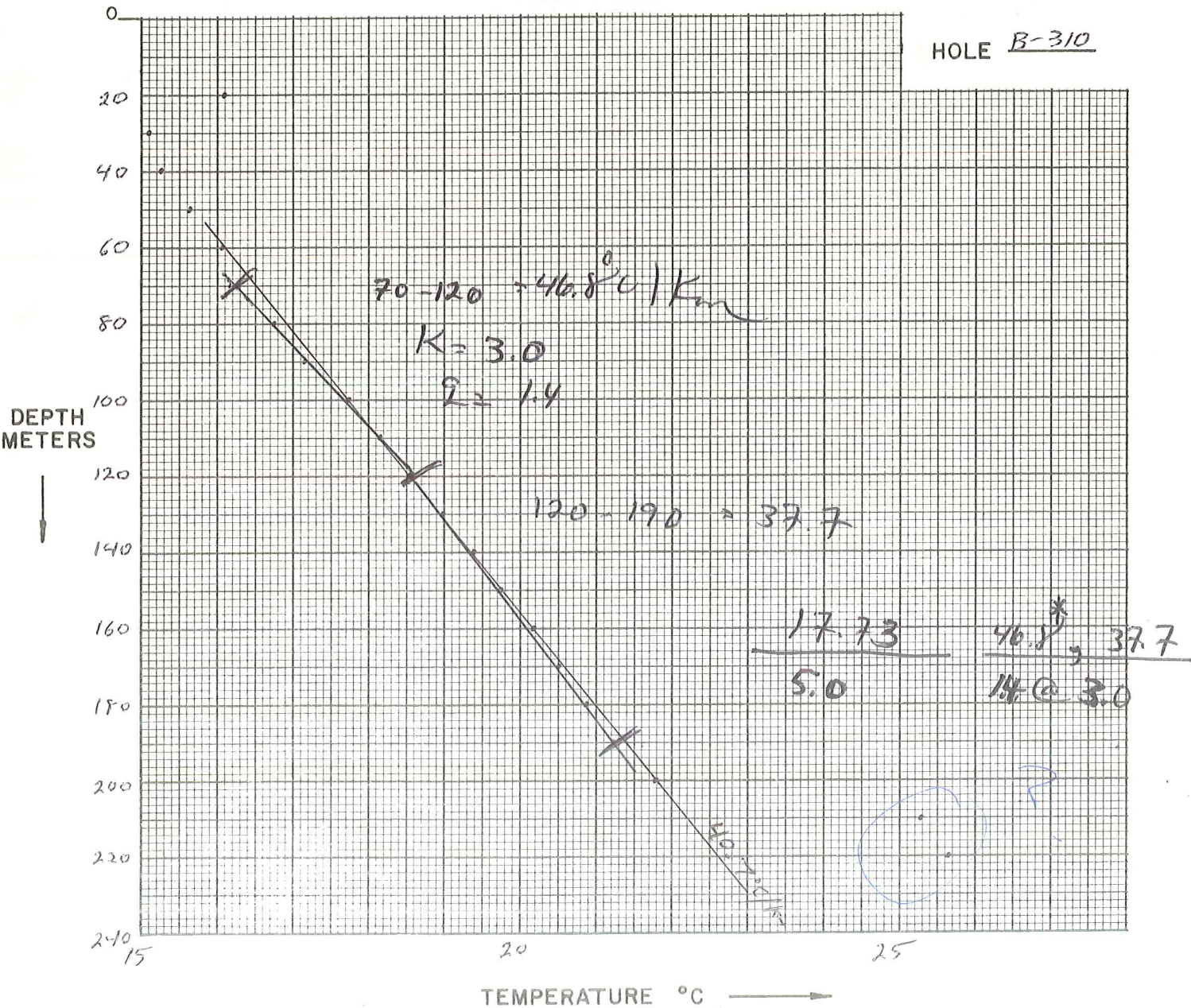
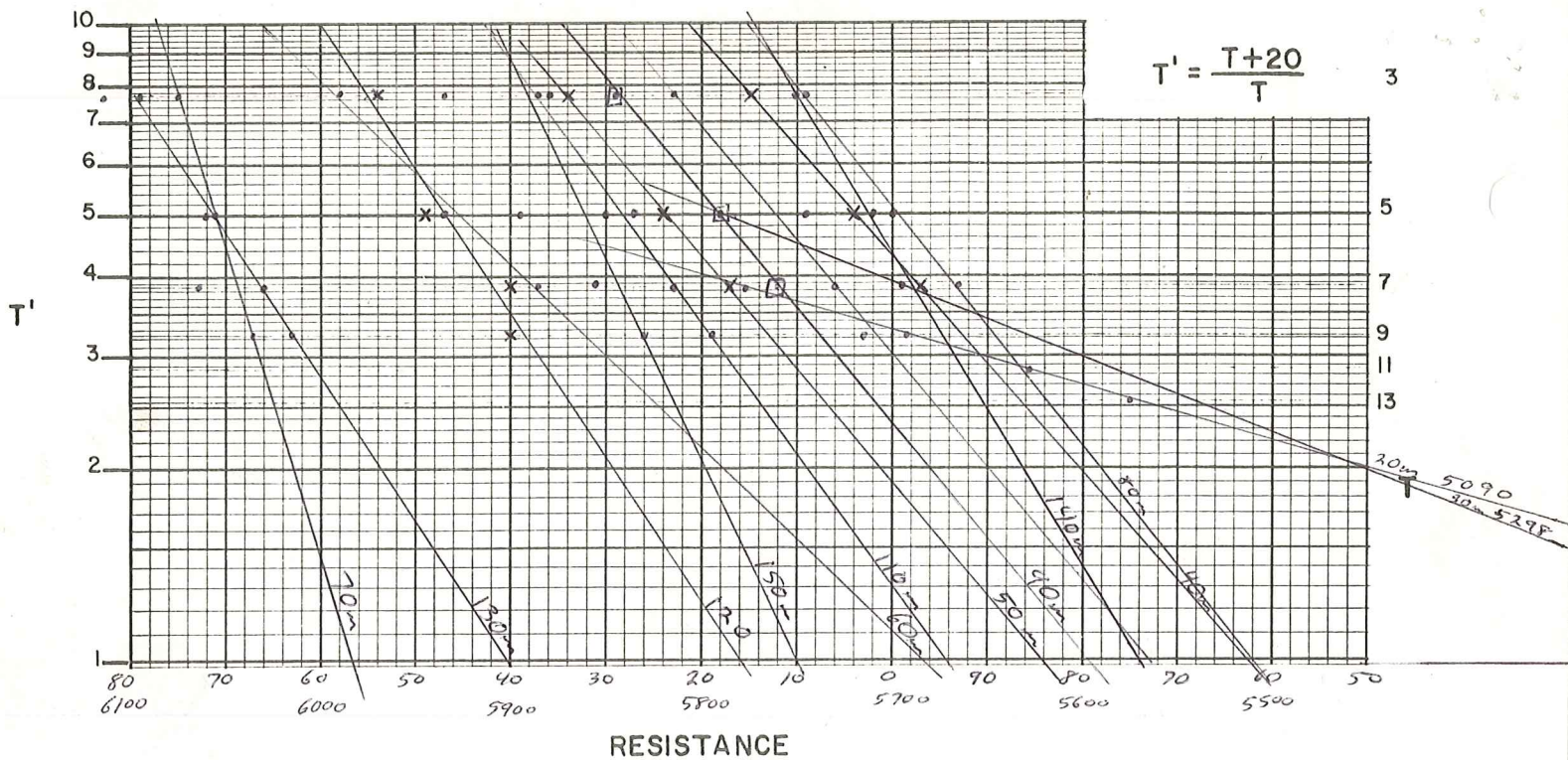
Drill Hole B-310 Date Drilled \_\_\_\_\_ Elevation 5200 ft.

Instrument VPR-3 Operator JED

Comments 16" CASSED WATER WELL - NO PUMP. - DRILLED IN ULY FILL.

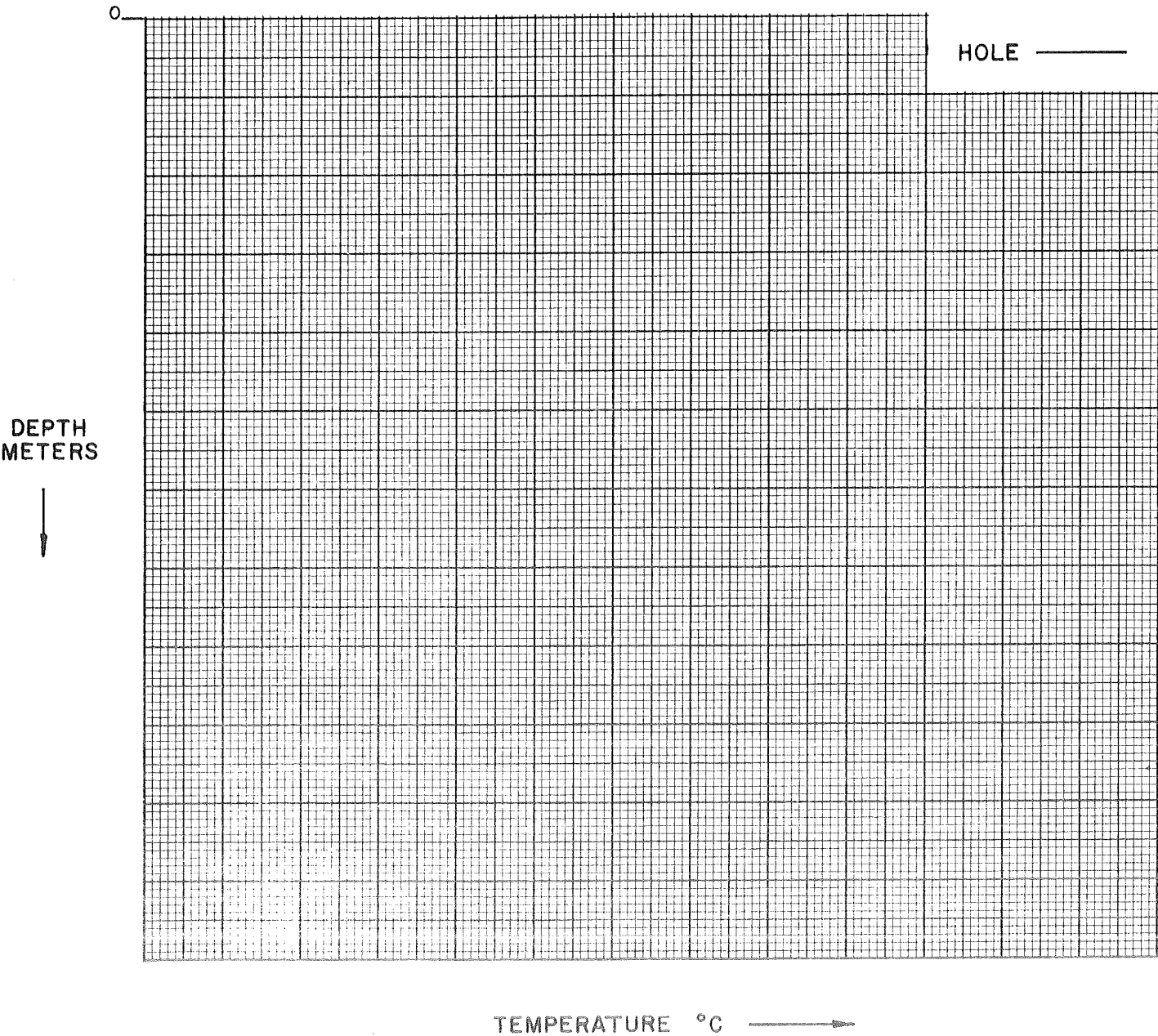
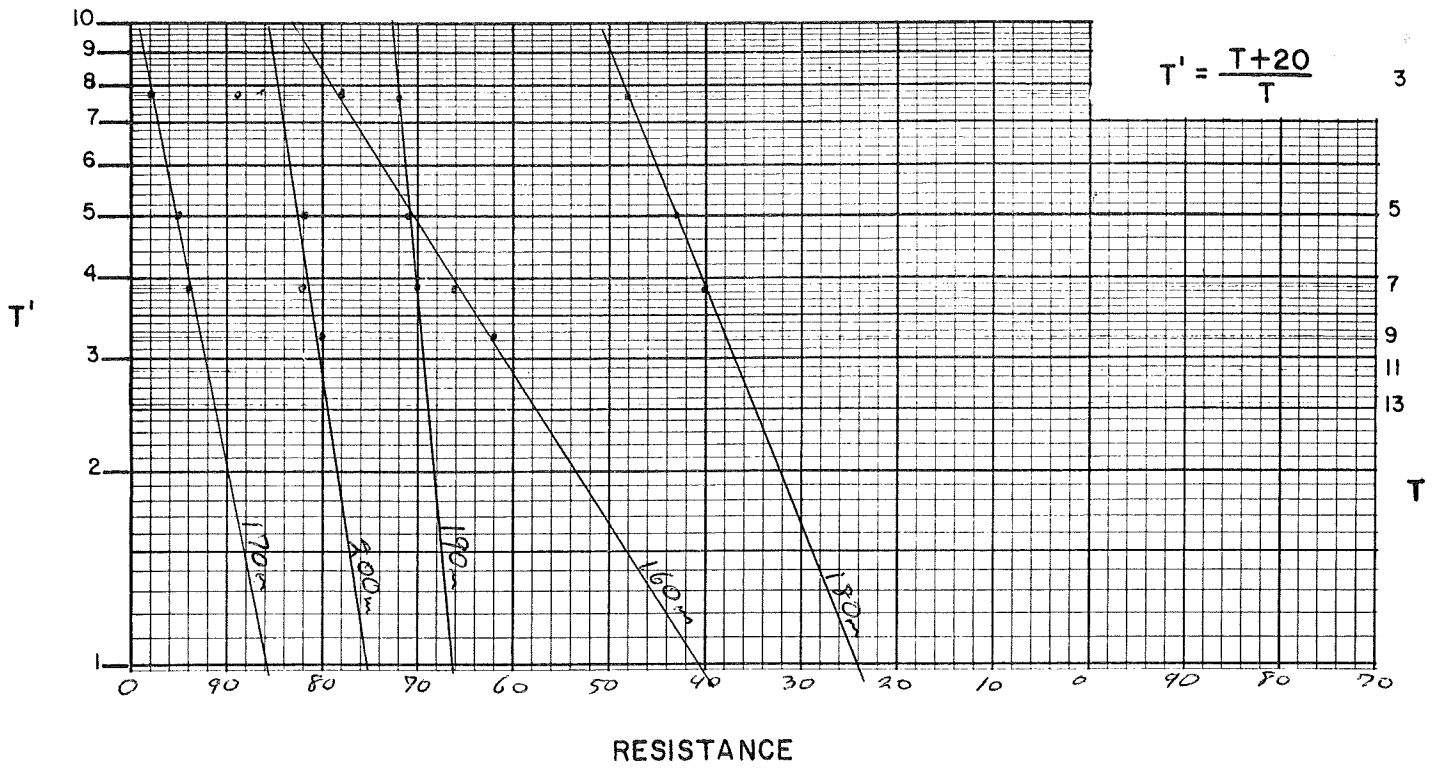
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
5090	3 6076 5 5895 7 5777	16.10			GRADIENT 100-200m 40.7 °C/Km
	9 5693 11 5627 13 5574	1			
5298	5447 5418 5399	15.10			
5262	5315 5304 5297	15.27	0.17		
5184	5234 5224 5217	15.64	0.37		
5096	5158 5147 5137	16.07	0.43		
5056	5083 5071 5073 5067	16.27	0.20		
4961	5009 5000 4993	16.75	0.47		
4879	4928 4918 4912	17.17	0.42		
4772	4823 4809 4806 4807	17.73	0.56		
4694	4737 4727 4723 4719	18.15	0.42		
4615	4654 4649 4640 4640	18.59	0.44		
4544	4579 4572 4568 4563	18.98	0.39		
4473	4510 4502 4499	19.39	0.41		
4410	4436 4430 4431 4426	19.75	0.36		













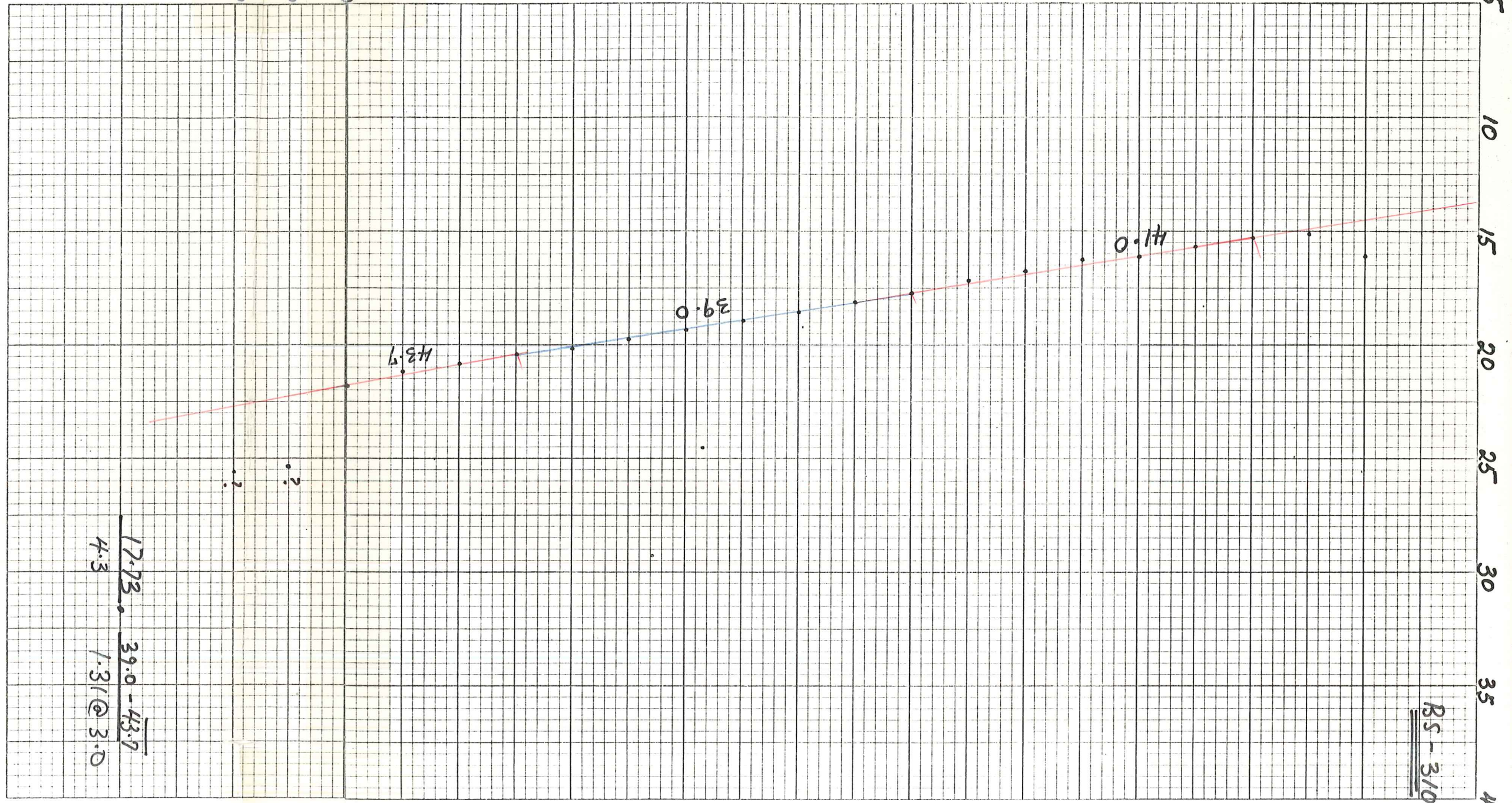
46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10 X 10  
KEUFFEL

Metres.  
in  
Depth

5  
10  
15  
20  
25  
30  
35  
40  
40c  
30  
20  
10  
220  
210  
200  
190  
180  
170  
160  
150  
140  
130  
120  
110  
100  
90  
80  
70  
60  
50  
40



RS-310

$$\frac{17.73}{4.3} = \frac{39.0 - 43.9}{1.31 @ 3.0}$$



TEMPERATURE DEPTH LOG

ΔT Well No. 311

Property-Project BS Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No					Well No					Date Logged					*					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	*
8	2	1			3	1	1			1	1	1	1	1	1	1	1	1	1	C M

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																							Operator					Editor				
4	.	3	K	M	E	S	E	O	F	A	N	T	E	L	O	P	E	P	E	A	K						J	E	D			H	L	H																														

Card B

Scale Unit					Map Size					Map Location Δ					N Lat					W Long					
in	cm				(7.5, 15, 60)					Degree	Min				Degree	Min				Degree	Min				
C	M				1	5	.			3	8	.			1	1	3	.			3	0	.		

Use decimals

Northing										Easting										Elev																					
																				1	4	.	0	3	0	.	5	6	1	8	0										

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	20.0	30.0		
D	.999			
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	30.0	42.0	-6.5	-.5
D				
E				
F				
G				

Final Segment: Start = .999

TEMPERATURE - DEPTH LOG

Location 5 1/2 MILES E-NE OF BRIMSTONE MINE Date 19-FEB-77

Map FRISCO UT 15"

Property BURNING STONE T 28 S R 13 W sec 35 NE 1/4 SW 1/4

Drill Hole B-311 Date Drilled \_\_\_\_\_ Elevation 6180 ft.

Instrument VPR-3 Operator JEN

Comments 3/4" WATER FILLED PVC PIPE, SECOND LOGGING.

CUTTINGS SILICIC TUFF ALTERED TO CLAY, OFTEN SILICIFIED.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
1.5	7272	7.39			SURFACE TEMP 15°C @ 1300
2.0	7062	8.09	0.70		
2.5					GRADIENT ABOVE WATER TABLE
3.0	6579	9.78			20-30m = 52°C/km
3.5	6400	10.45	0.67		
4.0	6274	10.93	0.48		GRADIENT BELOW WATER TABLE
4.5	6180	11.30	0.37		30-42m = 29.2°C/km
5.0	6118	11.55	0.25		
5.5	6065	11.76	0.21		CONDUCTIVITY 6.5
6.0	6001	12.02	0.26		1.9 HFU
6.5	5955	12.21	0.19		
7.0	5912	12.38	0.17		
7.5	5865	12.58	0.20		
8.0	5844	12.67	0.09		
8.5	5838	12.69	0.02		
9.0	5840	12.68	-0.01		
9.5	5844	12.67	-0.01		
10.0	5852	12.63	-0.04		
10.5	5859	12.61	-0.02		
11.0	5865	12.58	-0.03		
11.5	5871	12.55	-0.03		



TEMPERATURE - DEPTH LOG

Location \_\_\_\_\_ Date \_\_\_\_\_

Map \_\_\_\_\_

Property \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ sec \_\_\_\_\_

Drill Hole B-311 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

Instrument \_\_\_\_\_ Operator \_\_\_\_\_

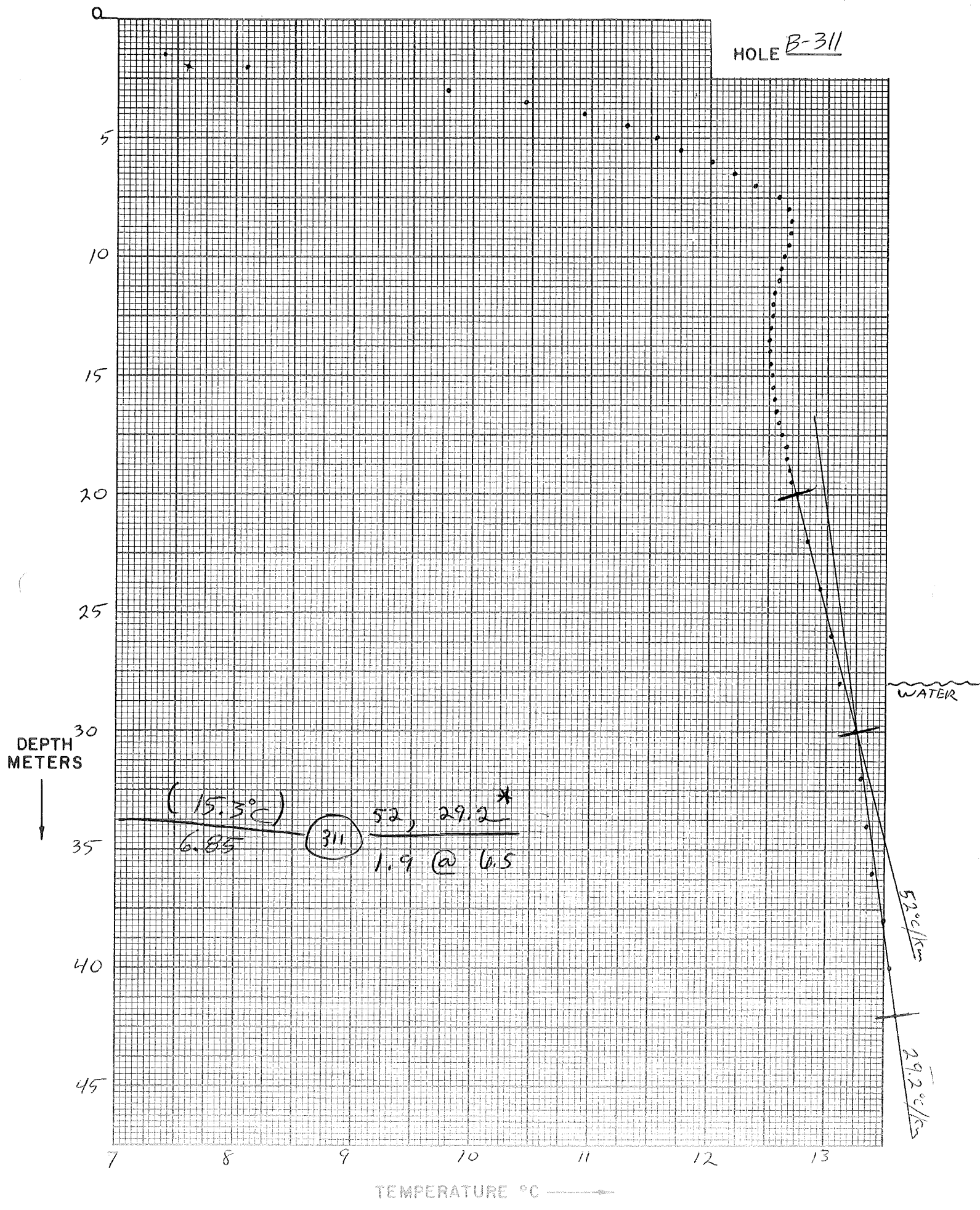
Comments \_\_\_\_\_

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
12.0	5875	12.54	-0.01			
12.5	5877	12.53	-0.01			
13.0	5880	12.52	-0.01			
13.5	5882	12.51	-0.01			
14.0	5881	12.51	0.00			
14.5	5880	12.52	0.01			
15.0	5878	12.53	0.01			
15.5	5874	12.54	0.01			
16.0	5870	12.56	0.02			
16.5	5867	12.57	0.01			
17.0	5862	12.59	0.02			
17.5	5855	12.62	0.03			
18.0	5849	12.65	0.03			
18.5	5845	12.66	0.01			
19.0	5841	12.68	0.02			
19.5	5836	12.70	0.02			
20.0	5830	12.73	0.03			
22	5805	12.83	0.10	50		
24	5780	12.94	0.11	55		
26	5759	13.03	0.09	45		
28	5737	13.12	0.09	45		





HOLE B-311



5 10 15 20 25 30 35 40°C

BS-319

Depth in Metres.

36.0

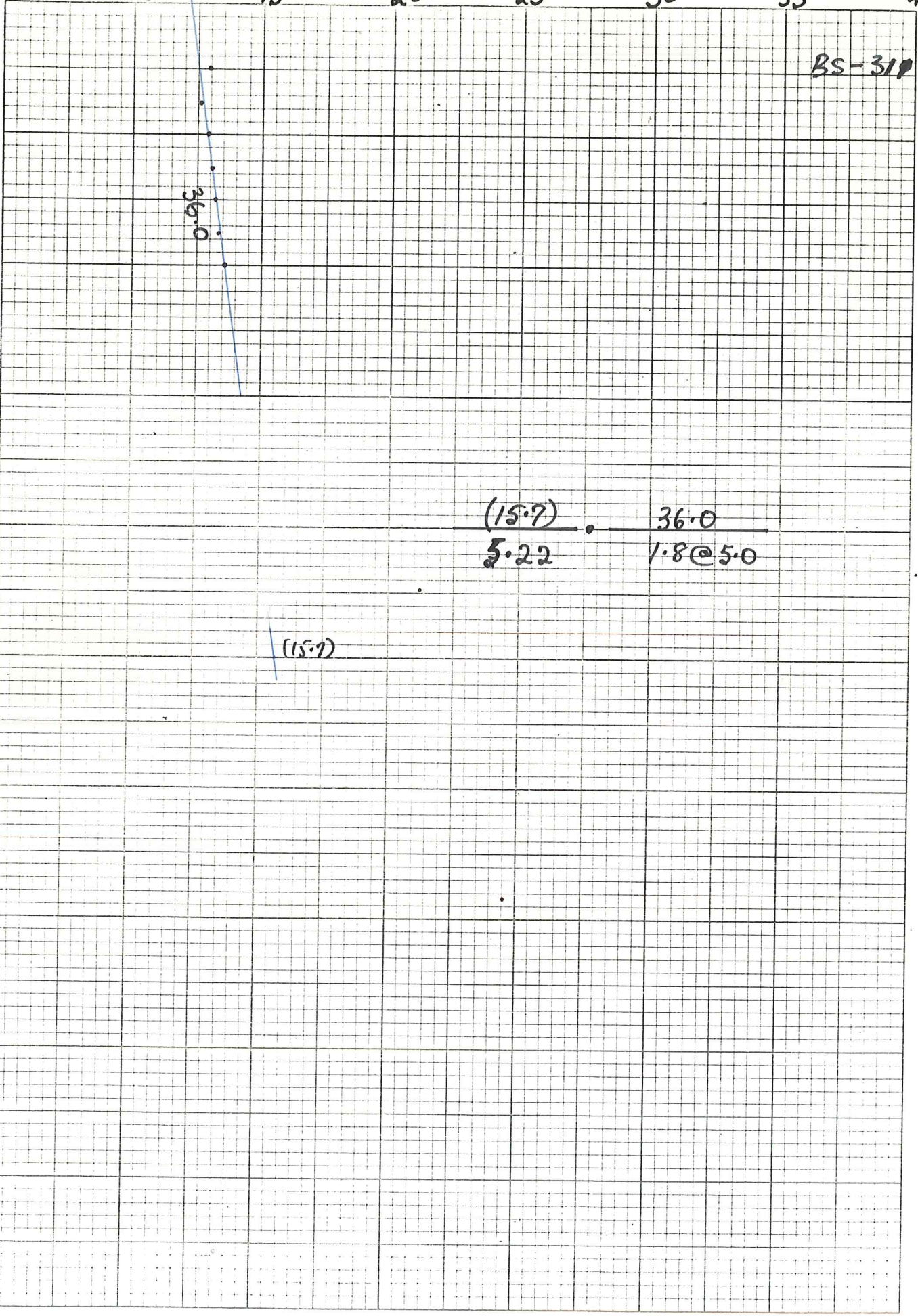
(15.7) 36.0  
5.22 1.8@5.0

(15.7)

46 0780

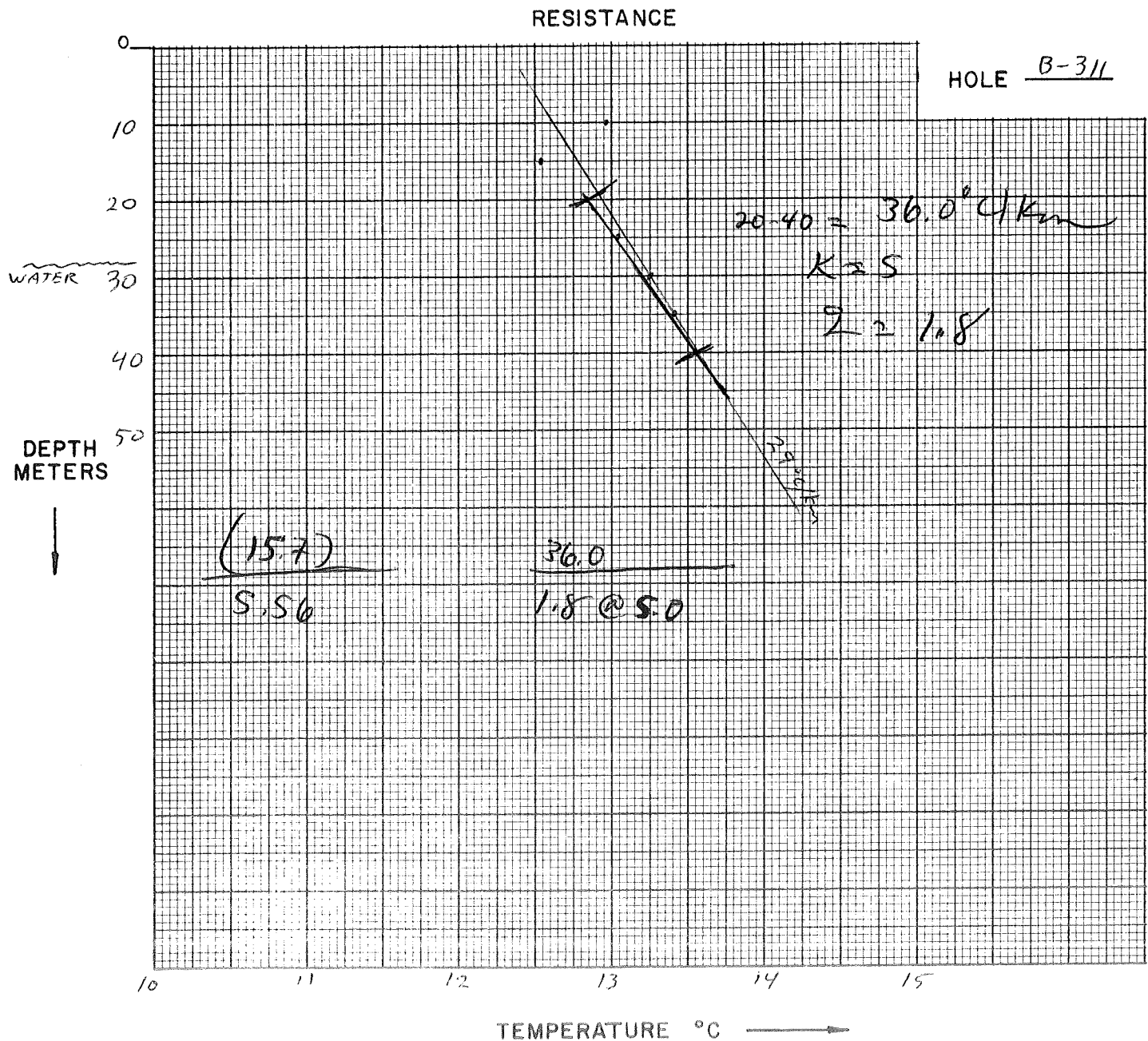
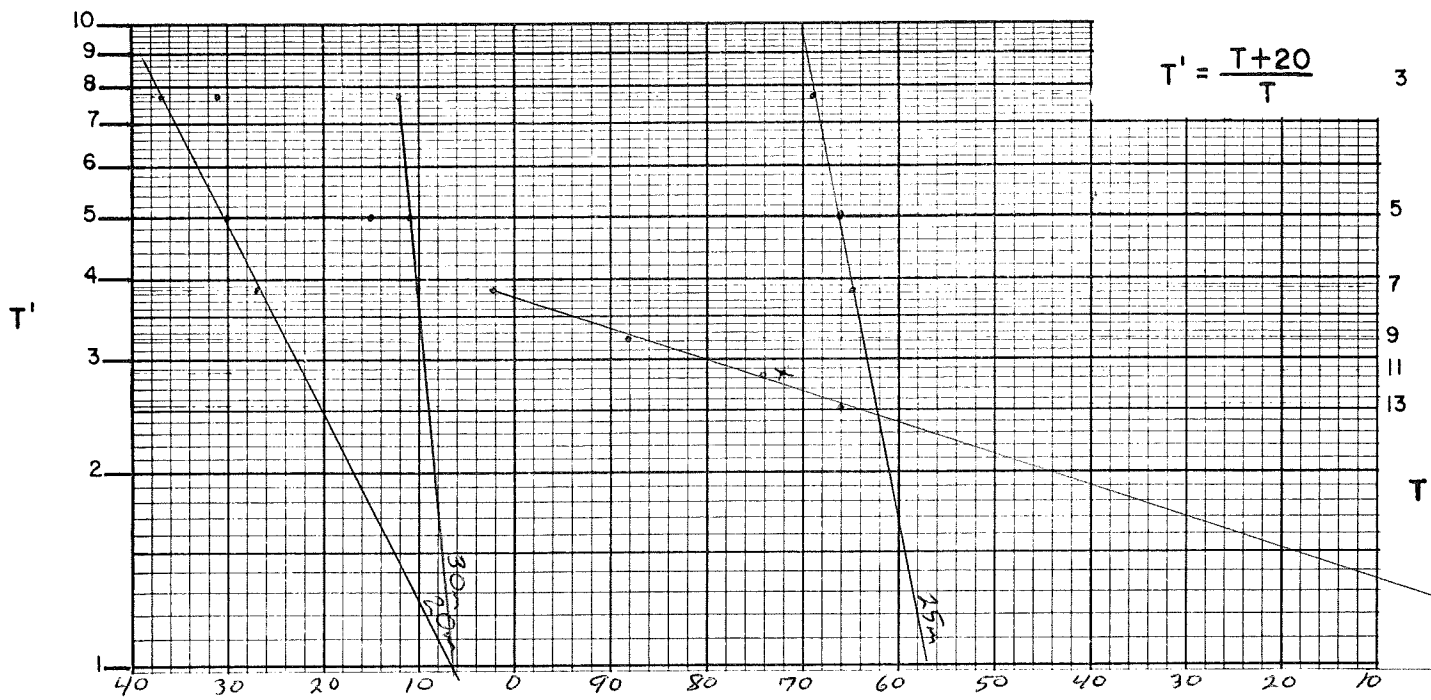
10 X 10 TO THE INCH .7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170  
180  
190  
200















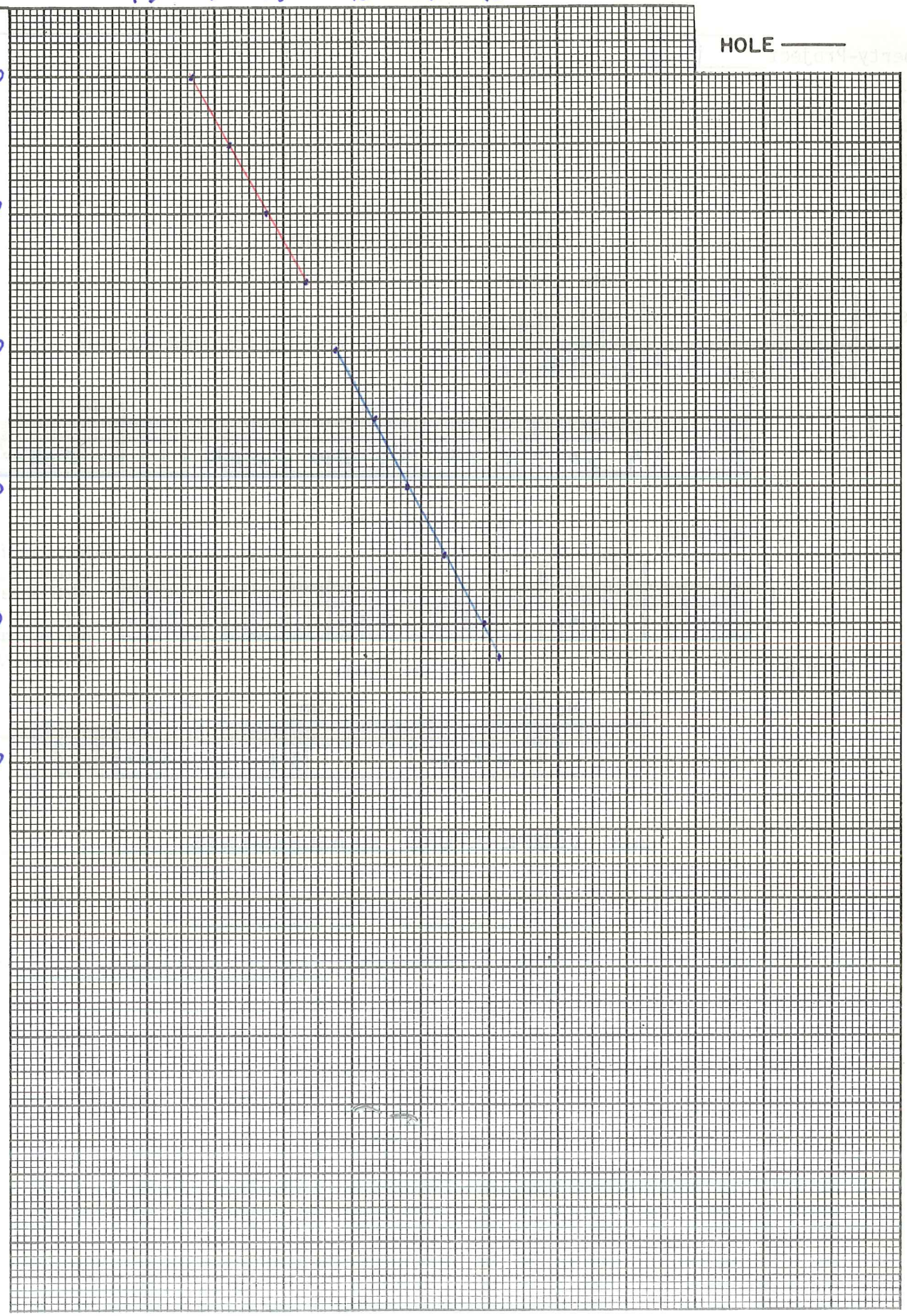
13 14 15 16 17 18

HOLE ———

0  
20  
40  
60  
80  
100  
120

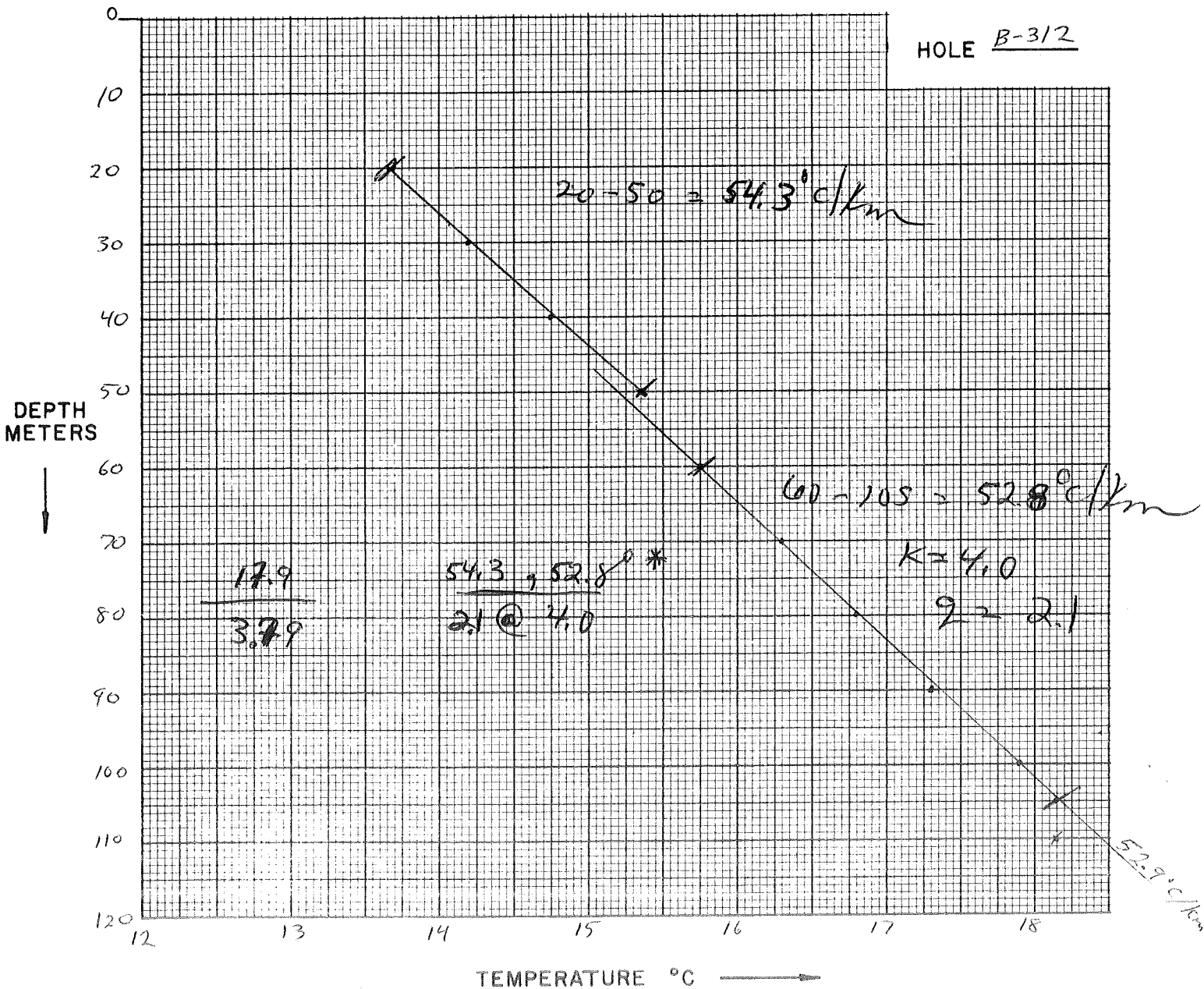
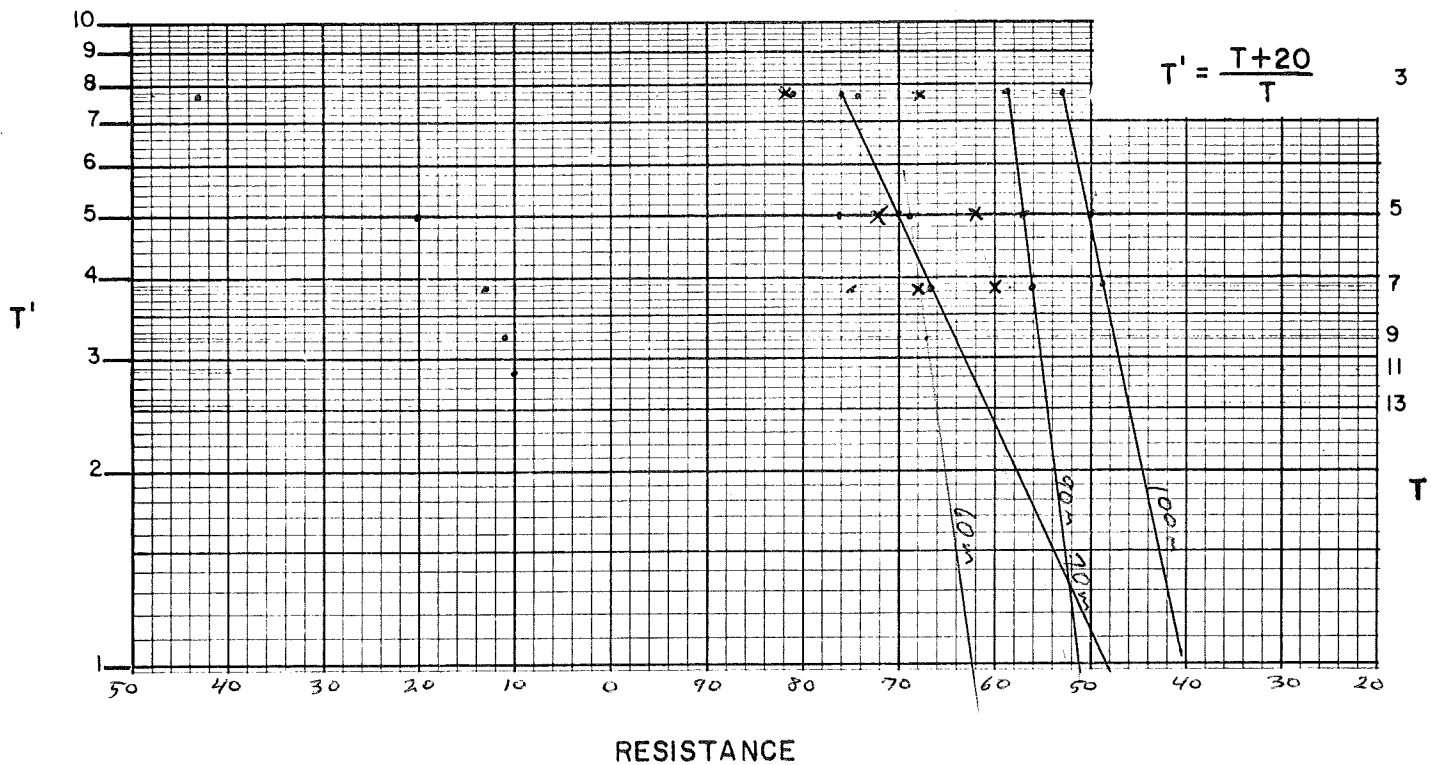
DEPTH  
METERS  
↓

TEMPERATURE °C ———→











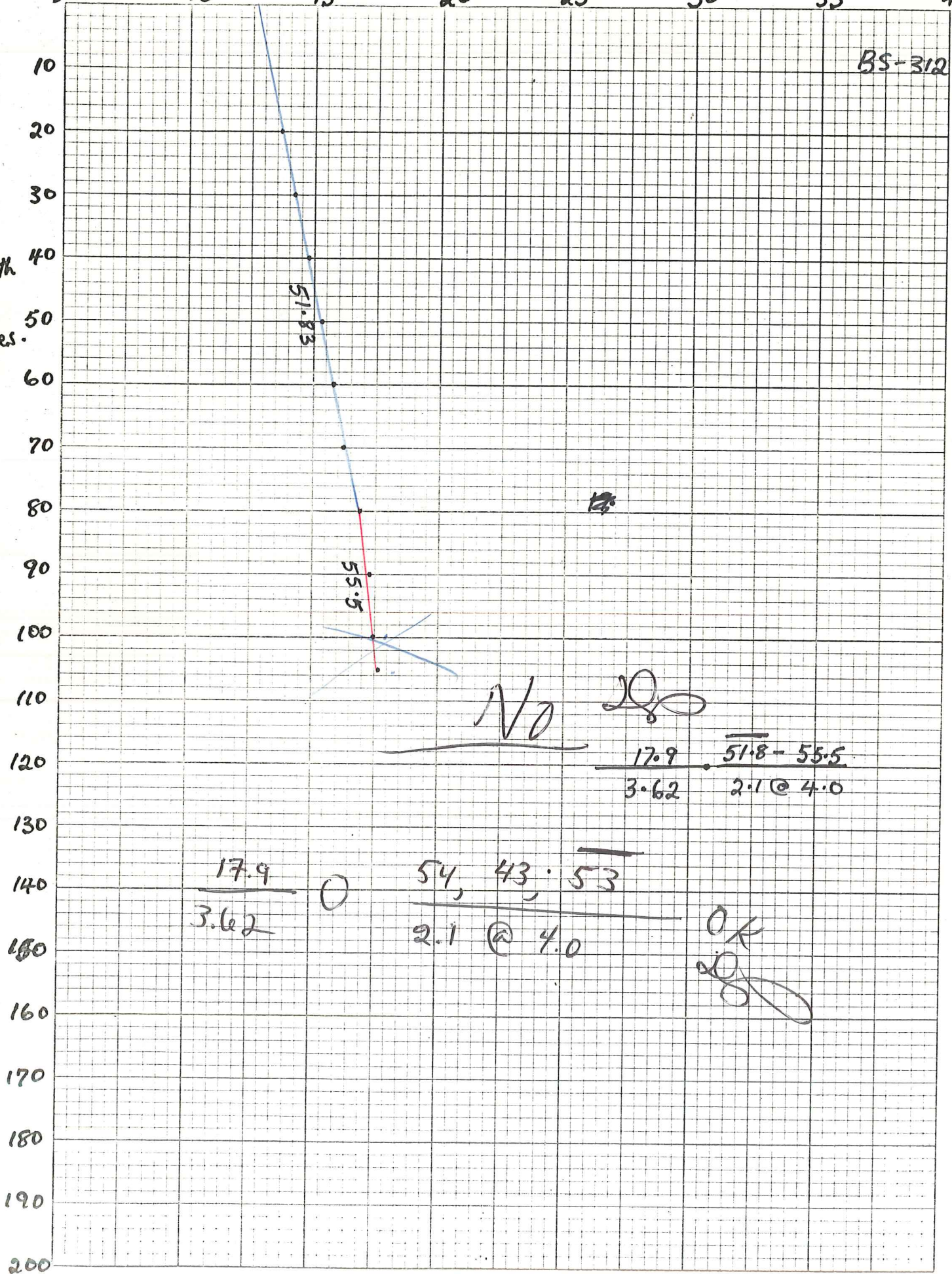
5 10 15 20 25 30 35 40°C

BS-312

Depth in Metres.

46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.



No 280

$$\frac{17.9}{3.62} \quad \frac{51.8 - 55.5}{2.1 @ 4.0}$$

$$\frac{17.9}{3.62} \quad \frac{54, 43, 53}{2.1 @ 4.0}$$

OK





Meride  
Parisco  
SANTA FE

White Mtn

Long Mtn

31

306

309

400'

580'

230'

120

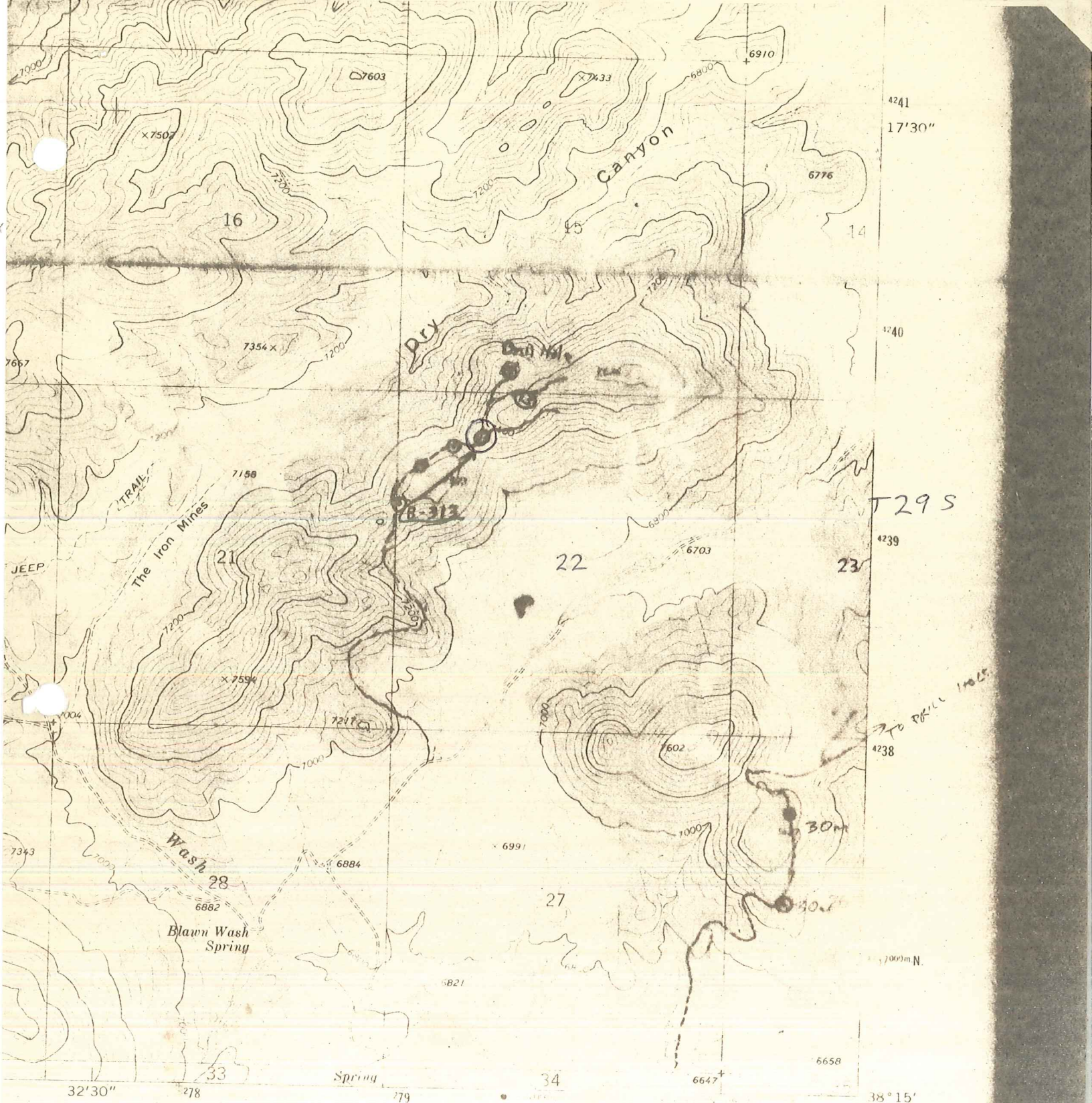
335'

(MILFORD)  
3000'

6.1100 in  
the plot



FRISCO UT, 15"



- Primary highway, hard surface
- Secondary highway, hard surface
- Interstate Route
- Light duty road, hard improved surface
- Unimproved road
- U S Route
- State Route



LAMERDORF PEAK, UTAH  
 N3815-W11307.5

1971





TEMPERATURE - DEPTH LOG

Location 8 MILES W-SW OF BRIMSTONE MINE Date 18-FEB-77

Map LAMERDORE PK-UT 7 1/2"

Property BURNING STONE T 29S R 15W sec 22 SW/4NW/4

Drill Hole B-313 Date Drilled \_\_\_\_\_ Elevation 7350 ft.

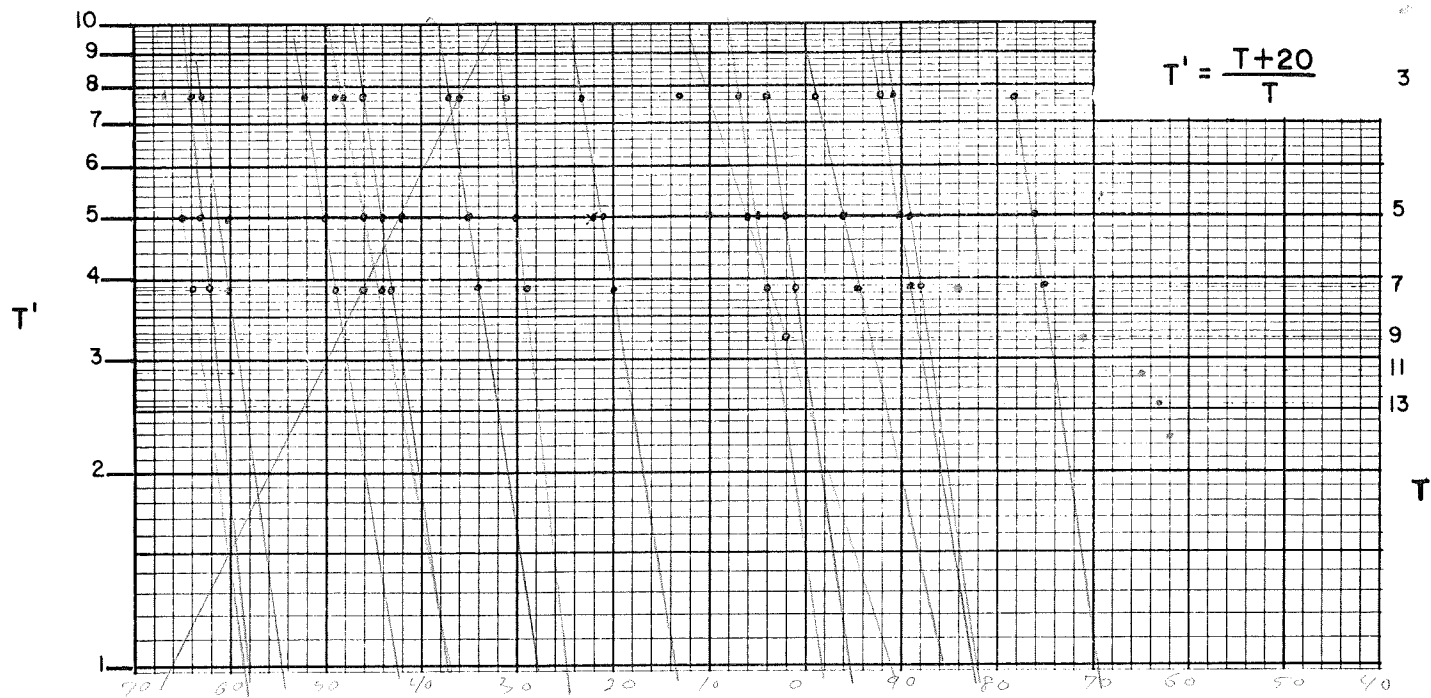
Instrument VPR-3 Operator JED

Comments 3 1/2" MINERAL EX HOLE. (EARTH SCIENCE) ON CREST OF 500' RIDGE

x1 lithic top 60-80% SILICIFIED. ZONES OF ALUMITE & CLAY

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
10	6667 6610 6584 6571 6565 6563 6562	9.86			GRADIENT 150-210m 18.2°C/Km CONDUCTIVITY 6 = 1.1 HFU
20	6636 6642 6646 6599 6596 6595	9.47	0.29	29	
30	6548 6546 6544	9.76	0.18	18	
40	6513 6506 6504 6502	9.94	0.17	17	
50		10.11	0.13	13	
60	6467 6465 6464 6431	10.24	0.12	12	
70	6430 6429 6392 6390 6389	10.36	0.16	16	
80	6352 6350 6349	10.52	0.15	15	
90	6307 6305 6304	10.67	0.17	17	
100	6264 6263 6262	10.84	0.16	16	
110	6223 6220 6220	11.00	0.17	17	
120	6178 6176 6175	11.17	0.17	17	
130	6137 6136	11.34	0.17	17	
140	6097 6089 6088	11.51	0.18	18	
150	6076 6074 6072	11.67	0.18	18	
160	6033 6032 6031	11.87	0.17	17	
170	5983 5982 5981	12.04	0.17	17	
180	5920 5920	12.21	0.17	17	





RESISTANCE

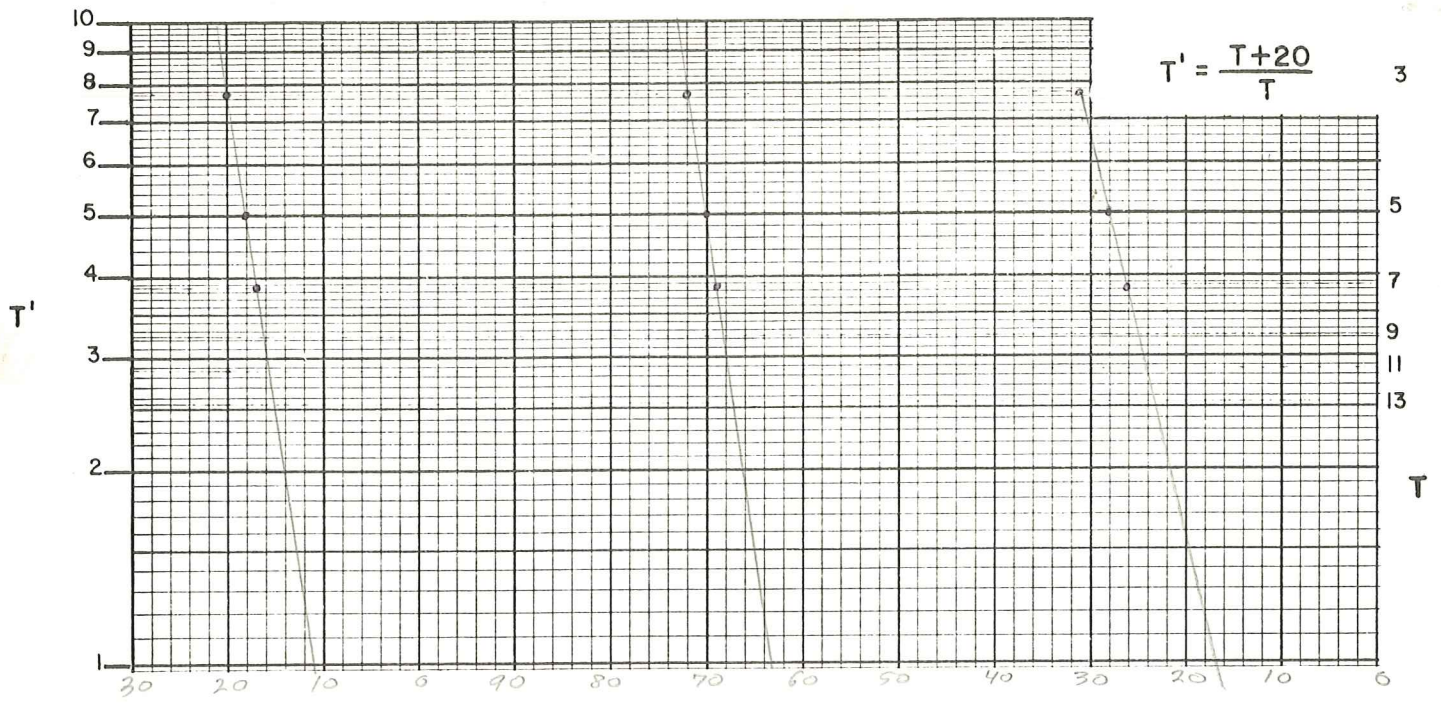
HOLE ———

DEPTH METERS

TEMPERATURE °C ———→

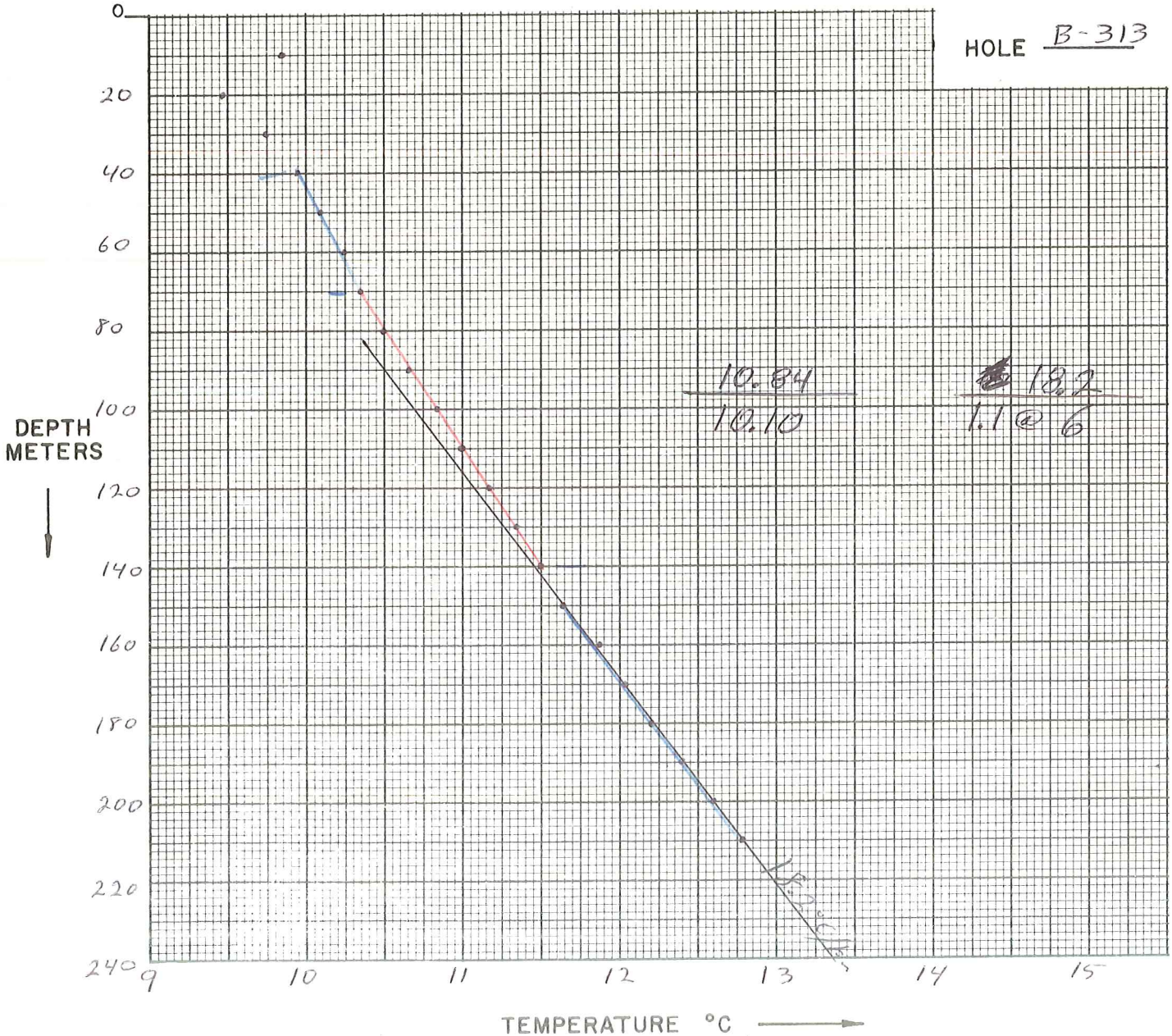






RESISTANCE

HOLE B-313









TEMPERATURE - DEPTH LOG

Location 5 MILES E-SE OF THERMO H.S. Date 19-FEB-77

Map THERMO UT, 15"

Property THERMO T 31 S R 11 W sec 6 NW 4 NE 4

Drill Hole B-314 Date Drilled SUMMER - 1976 Elevation 5380 ft.

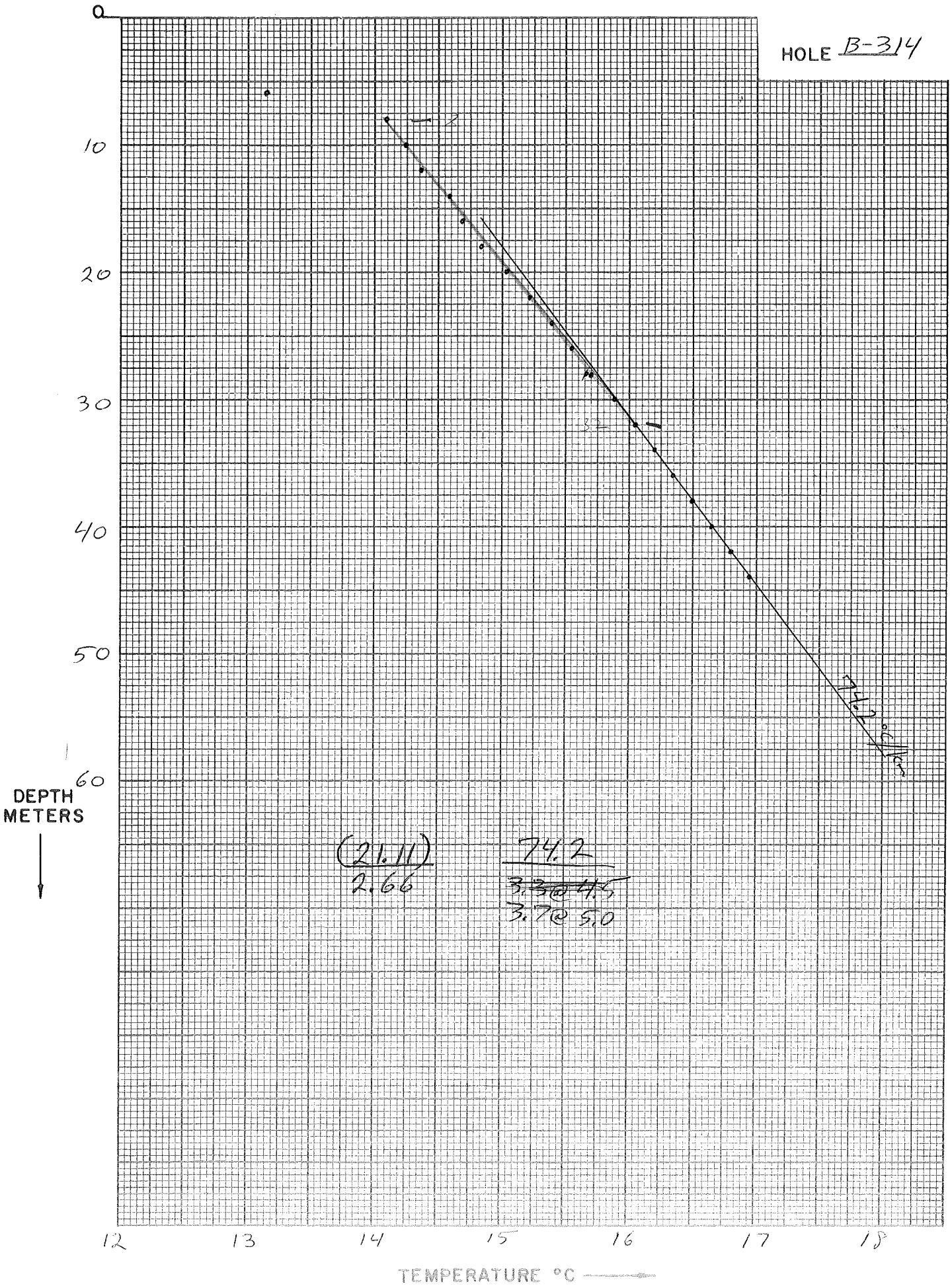
Instrument VPR-3 Operator JED

Comments 1/4" PVC WATER FILLED. CHEVRON (?) GRADIENT HOLE.

FEW SCATTERED CUTTINGS OF BSLT & ~~SILICIC~~ SILICIC WELDED TUFF

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
6	5730	13.15			CONDUCTIVITY <del>5.0</del> 9.0
8	5520	14.08	0.93		GRADIENT 32-44m 74.2°C/km
10	5485	14.23	0.15	75	<del>3.3 HFU</del> 3.7 HFU
12	5455	14.37	0.14	70	
14	5408	14.59	0.12	60	
16	5387	14.68	0.09	45	
18	5354	14.84	0.16	80	
20	5312	15.03	0.19	95	
22	5272	15.22	0.19	95	
24	5237	15.39	0.17	85	
26	5201	15.56	0.17	85	
28	5168	15.72	0.16	80	
30	5134	15.89	0.17	85	
32	5101	16.05	0.16	80	
34	5069	16.21	0.16	80	
36	5042	16.34	0.13	65	
38	5013	16.49	0.15	75	
40	4979	16.66	0.17	85	
42	4951	16.80	0.14	70	
44	4923	16.94	0.14	70	

HOLE B-314







TEMPERATURE - DEPTH LOG

Location 1.5 MILES N.W. OF BIG WASH RES Date 21-FEB-77

Map MILFORD UT 15"

Property BURNING STONE T 27 S R 12 W sec 32 SW 1/4 SW 1/4

Drill Hole B-315 Date Drilled \_\_\_\_\_ Elevation 6020 ft.

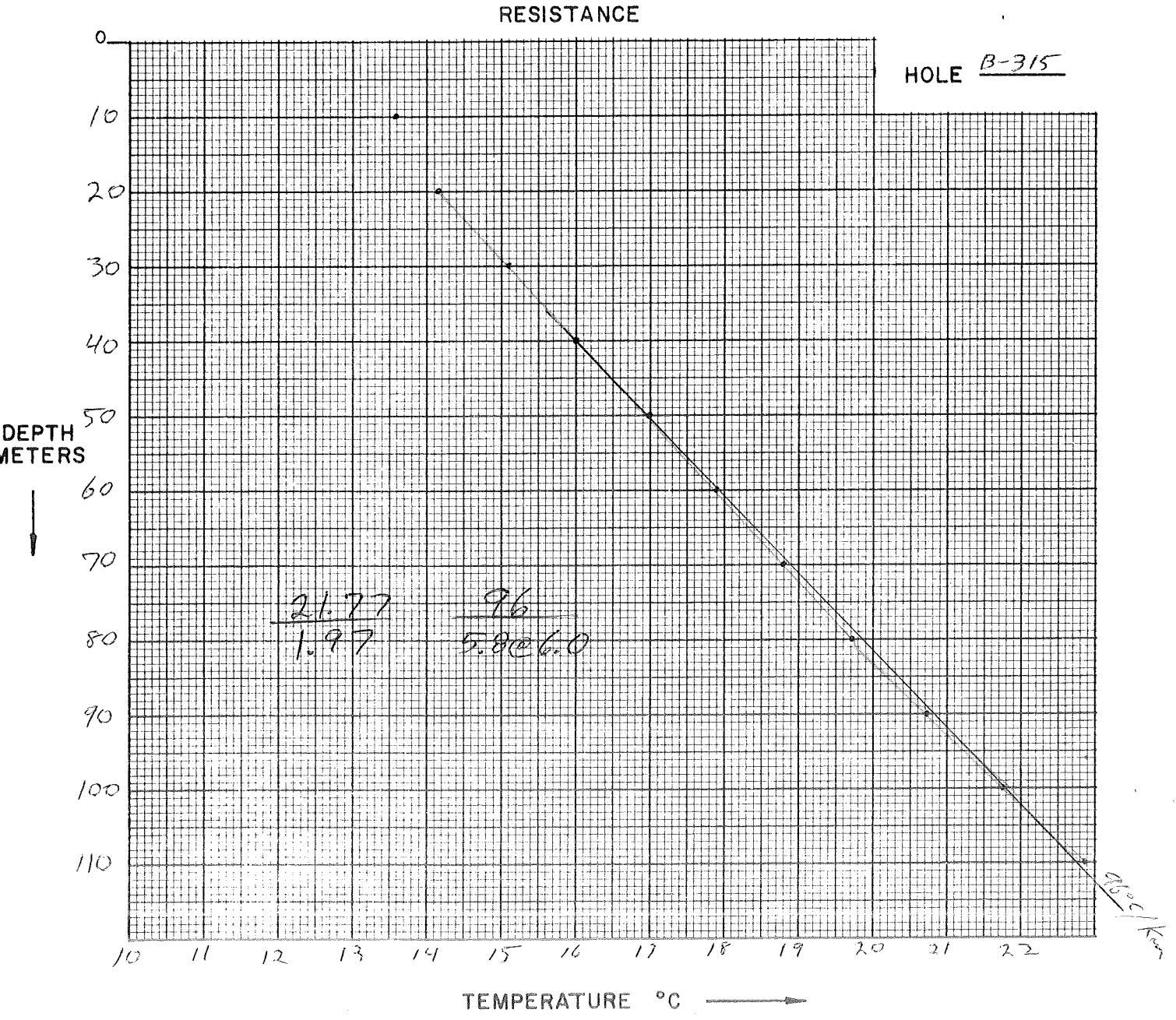
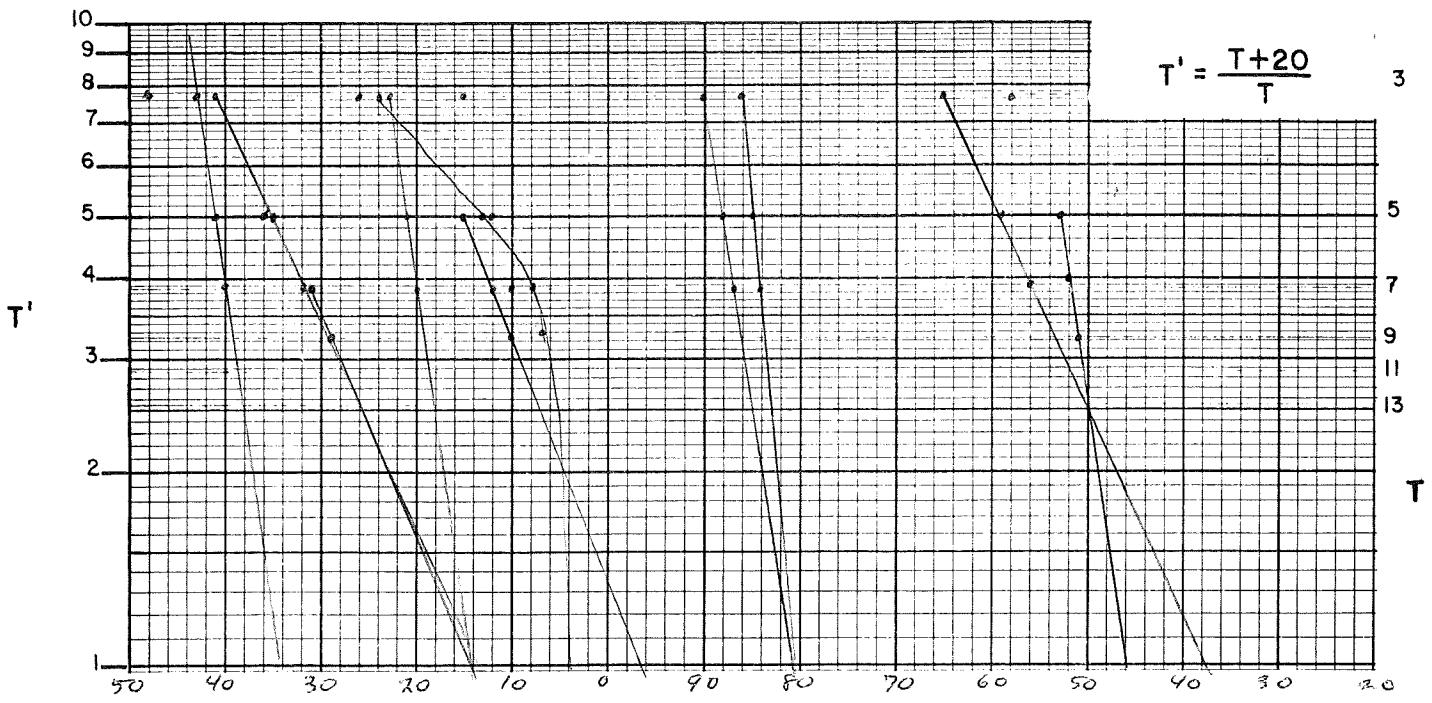
Instrument VPR-3 Operator JED

Comments MINERAL EXPLORATION HOLE.

NO CUTTINGS, SURFACE FLOAT REDDISH SILICIFIED RHYOLITE, ALSO SMALL AMTS OF PYROCLASTIC BRECCIA w/ RHYOLITE FRAGS IN DR-GRAY MATRIX.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
10	5643 5641 5640	13.57			GRADIENT 40-60m 96 °C/km
20	5526 5513 5508	14.15	0.58	58	
30	5324 5315	15.11	0.96	96	
	5312 5310		0.90	90	
40	5115 5112	16.01			
	5110 5110		0.99	99	
50	4941 4935 4932	17.00			
60	4765 4759	17.92	0.92	92	
	4756				
70	4590 4588	18.78	0.86	86	
	4587				
80	4423 4421	19.73	0.95	95	
	4420				
90	4258 4253	20.73	1.00	100	
	4252 4251				
100	4086 4085	21.77	1.04	104	
	4084				
110	3948 3936	22.88	1.01	101	
	3931 3929				



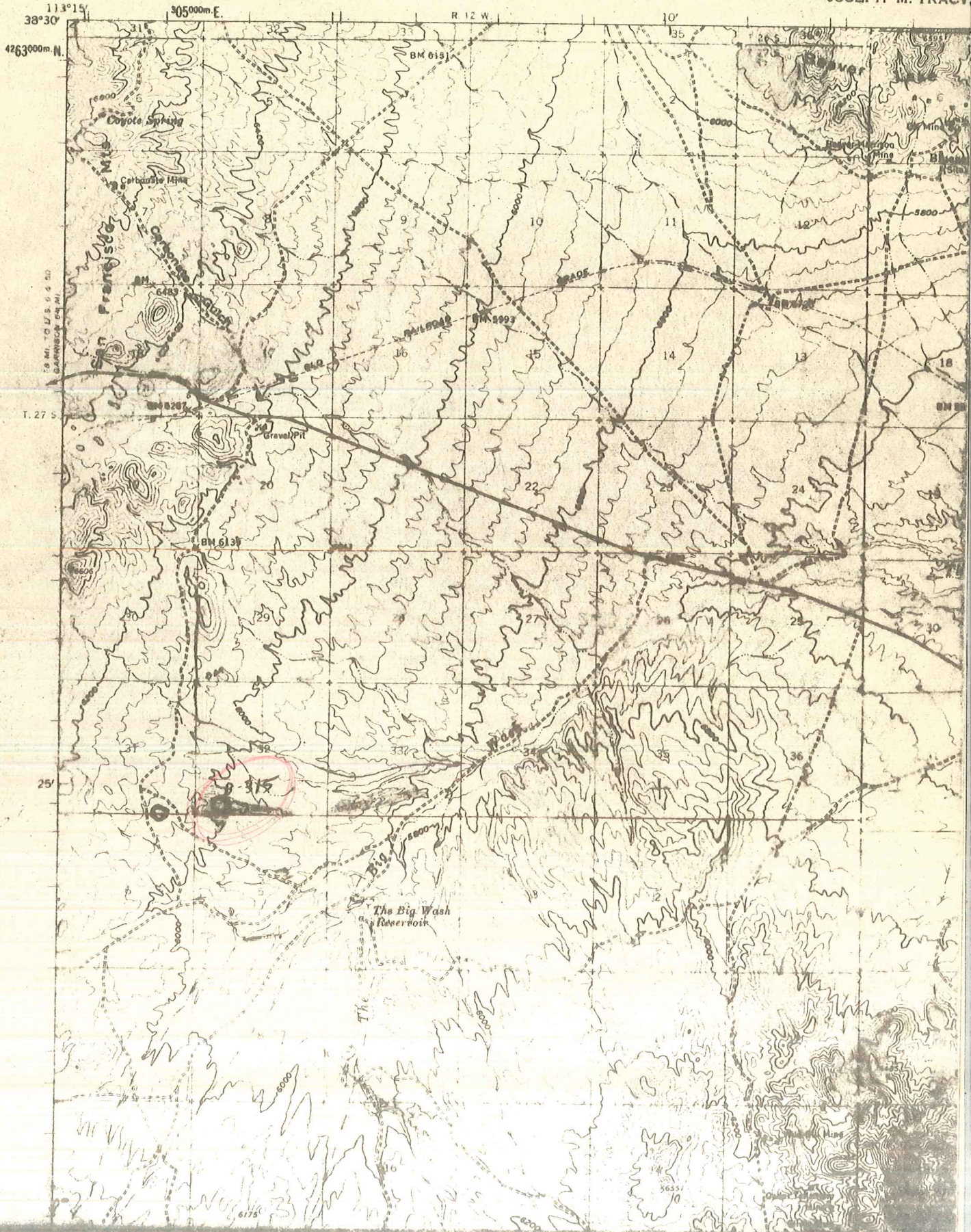




UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

B-315

STATE OF  
GEORGE DEWEY  
JOSEPH M. TRACY





MILFORD UT. 15"





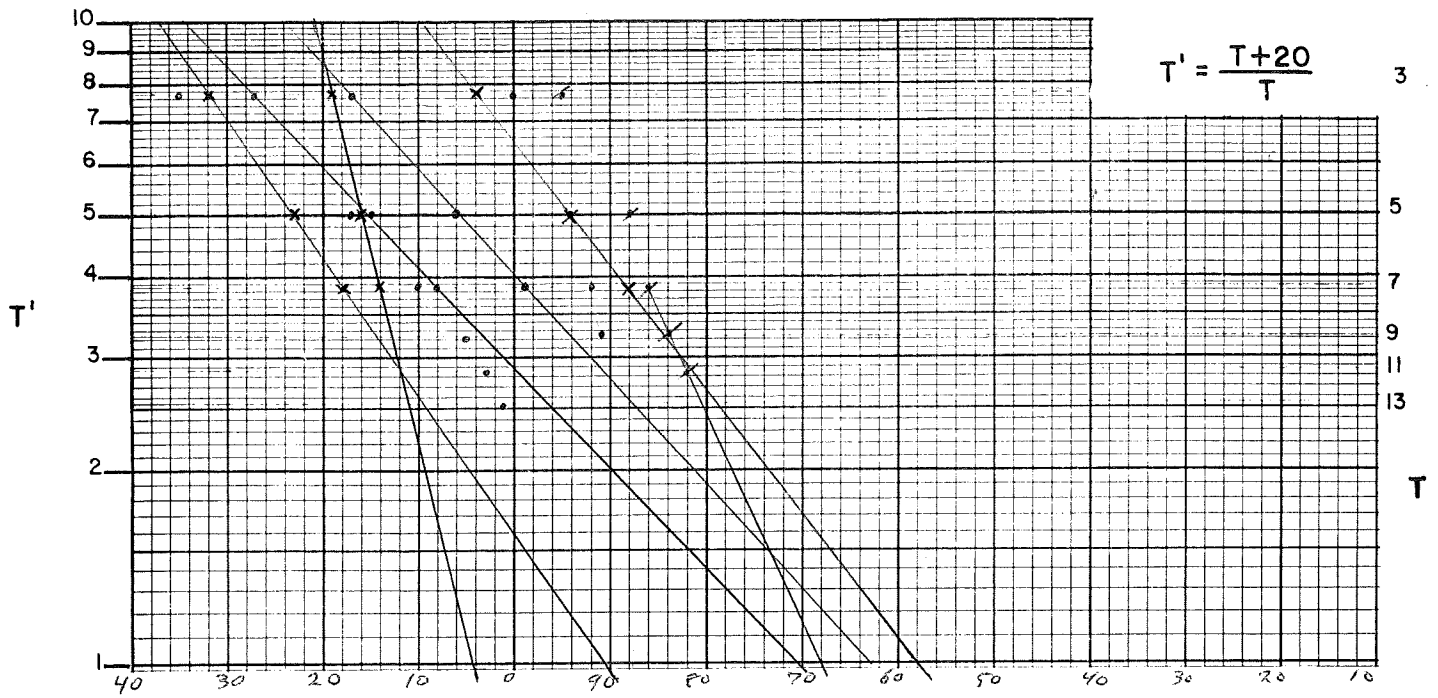


THERMO 15-11



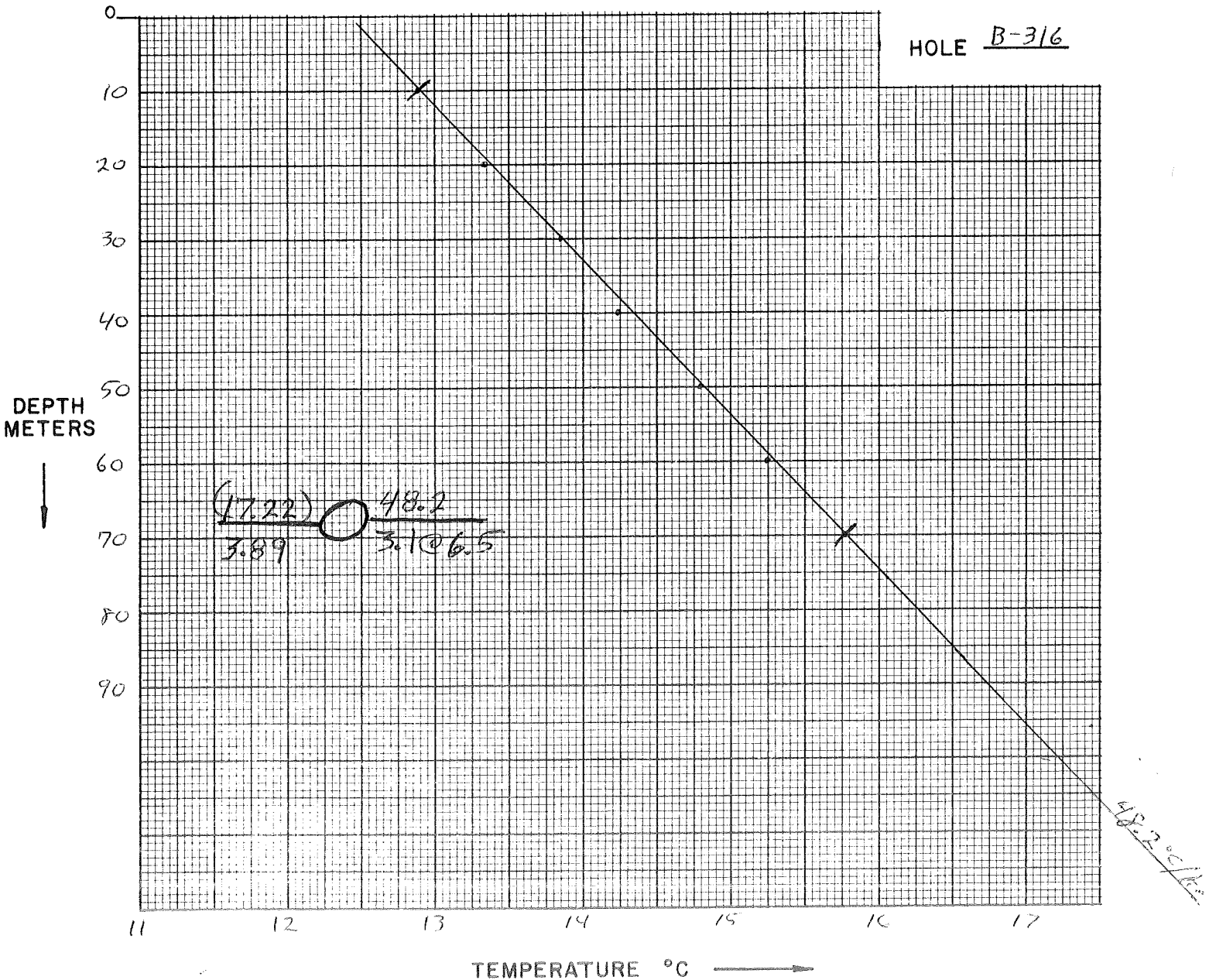






RESISTANCE

HOLE B-316





# TEMPERATURE DEPTH LOG

ΔT Well No. 317

Property-Project BS Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

## COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No		Well No		Date Logged			*												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
				DA	MO		YR	*											
821				317		23		FB	27									C M	

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																													Operator		Editor	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60									
2.8 KM SW OF THE BIG WASH RES																																													JED		MLH	

**Card B**

Scale Unit		Map Size		Map Location <sup>Δ</sup>				N Lat		W Long		Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+) Use decimals																	
in	cm	(7.5, 15., 60)		Degree		Min		Degree		Min																			
21	22	23	24	25	26	27	28	29	30	31	32		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
CM		15.		38.		15.		113.		15.																			

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
23.45					3.65					6020.		F																	

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	20.0	90.0	-6.5	-0.5
D				
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	.999			
D				
E				
F				
G				

Final Segment: Start = .999

TEMPERATURE - DEPTH LOG

Location 1/2 MILES S.W. OF BIG WASH RESERVOIR Date 23-FEB-77

Map MILFORD UT, 15"

Property BURNINGSTONE T 28S R 12W sec 8 SE 1/4 SW 1/4

Drill Hole B-317 Date Drilled \_\_\_\_\_ Elevation 6020 ft.

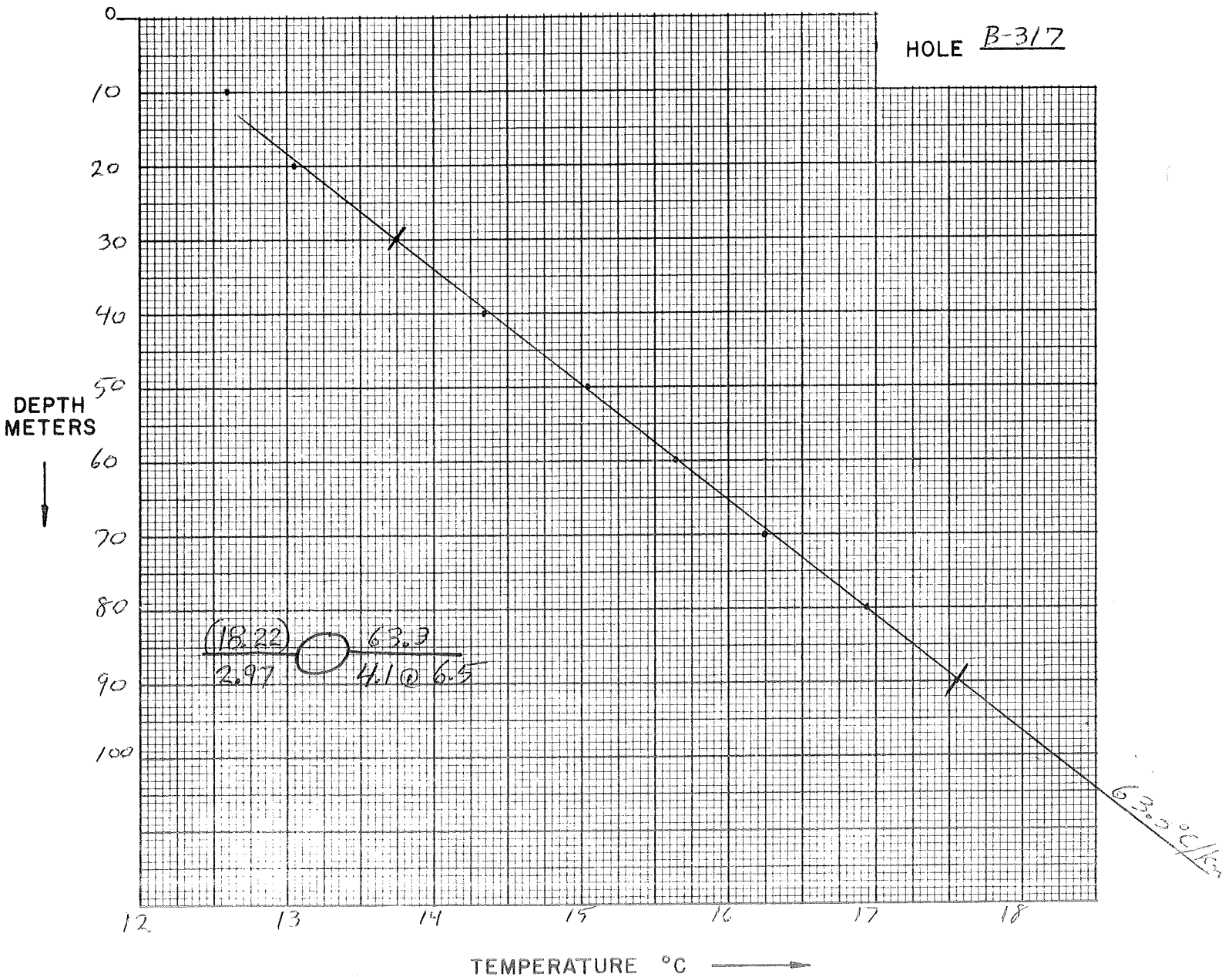
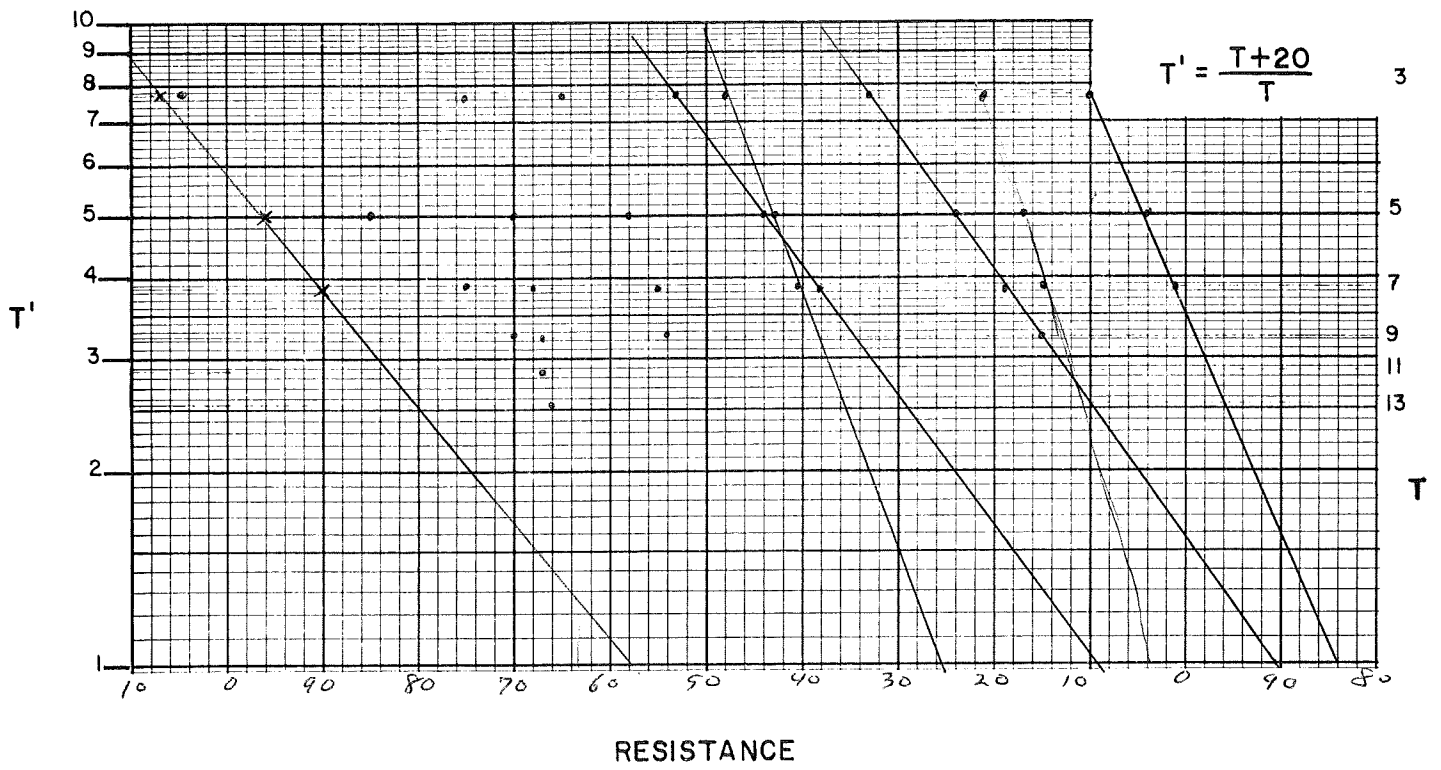
Instrument VPR-3 Operator JED

Comments 4 1/4" MINERAL EXPLORATION HOLE. CUTTINGS OF

RED OXIDIZED AND OFTEN SILICIFIED, XL-TUFFS, COMPLETE SILICA REPLACEMENT IN APPROX 30% OF CUTTINGS.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
10	5905 5885 5875 5870 5867 5866	12.59				K=6.5
20	5765 5758 5755	13.05	0.46	46		
30	5633 5624 5619 5615	13.76	0.71	71		
			0.60	60		
40	5507 5496 5490	14.36				
50	5353 5344 5338	15.05	0.69	69		
60	5210 5204 5201	15.64	0.59	59		
70	5075 5070 5068 5067	16.24	0.60	60		
			0.69	69		
80	4948 4943 4941	16.93				
90	4821 4812 4815	17.56	0.69	69		

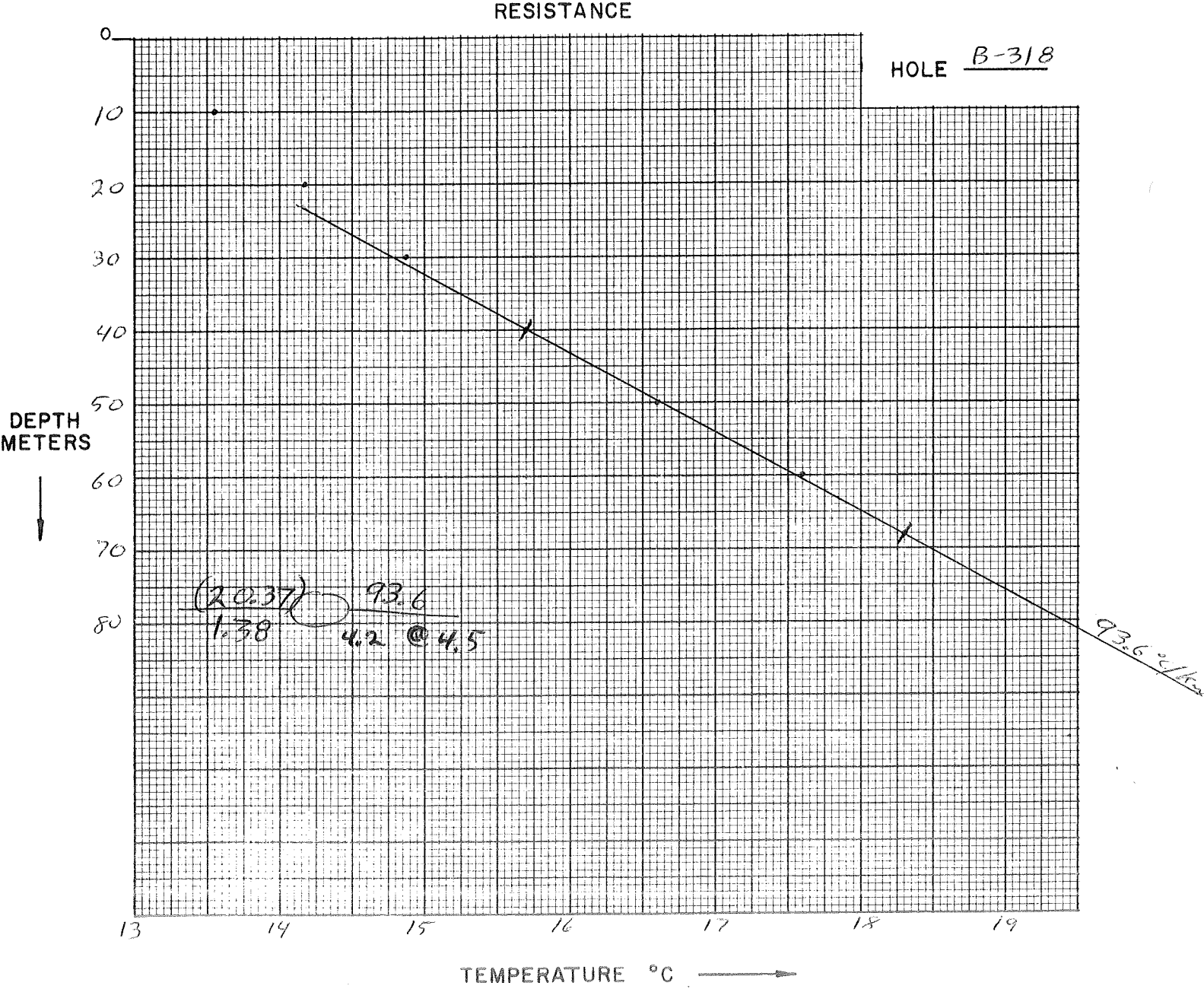
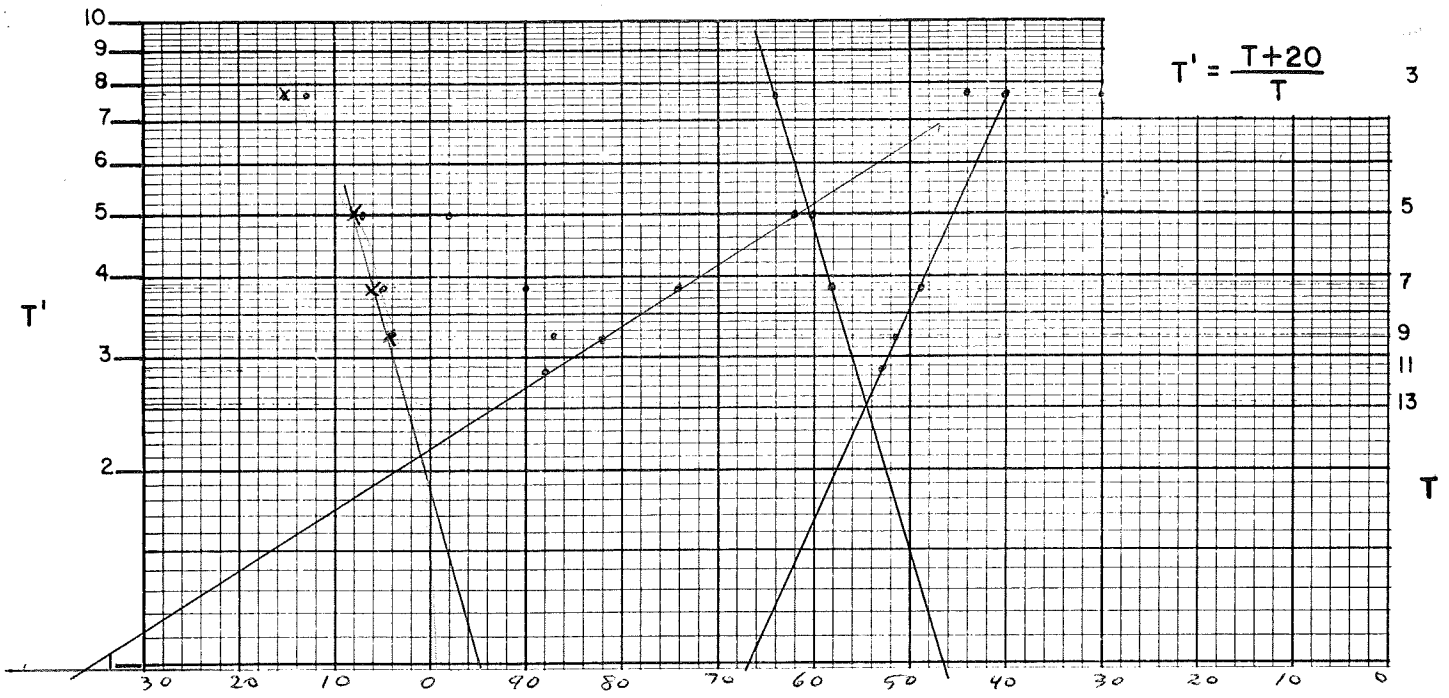










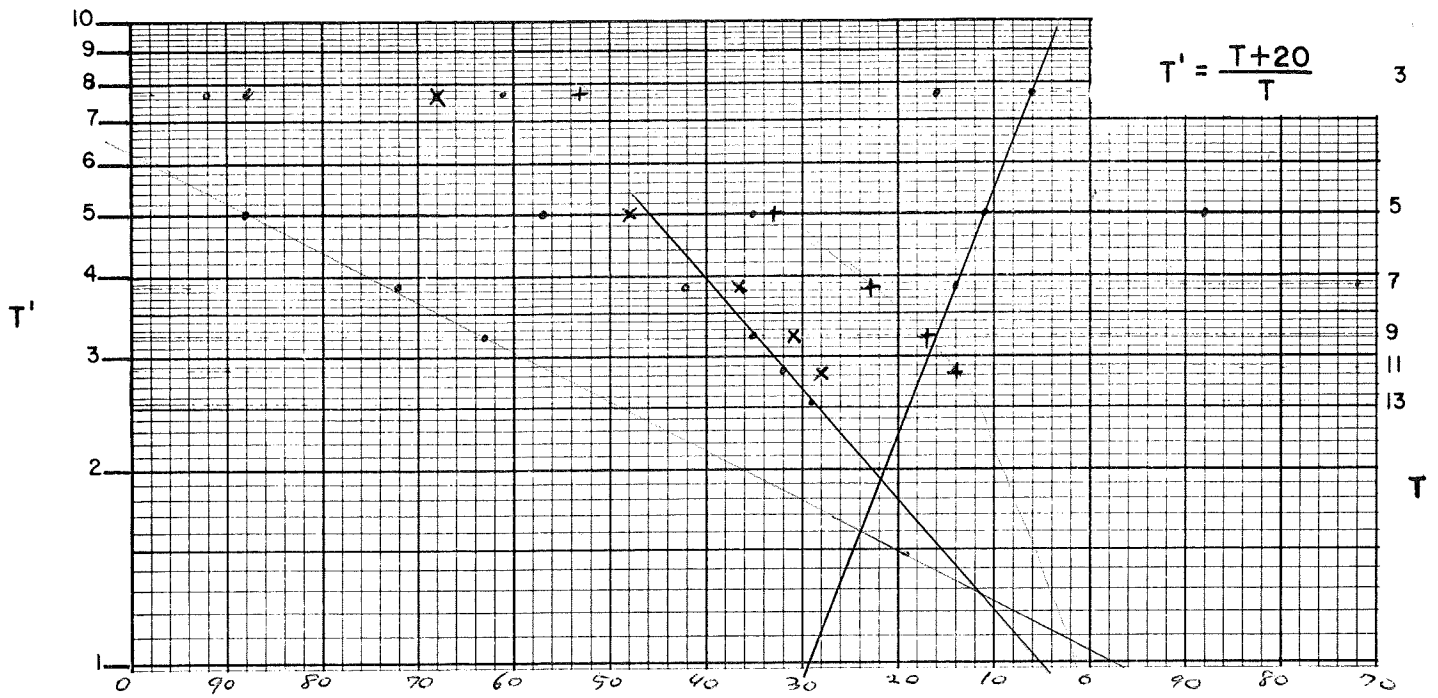






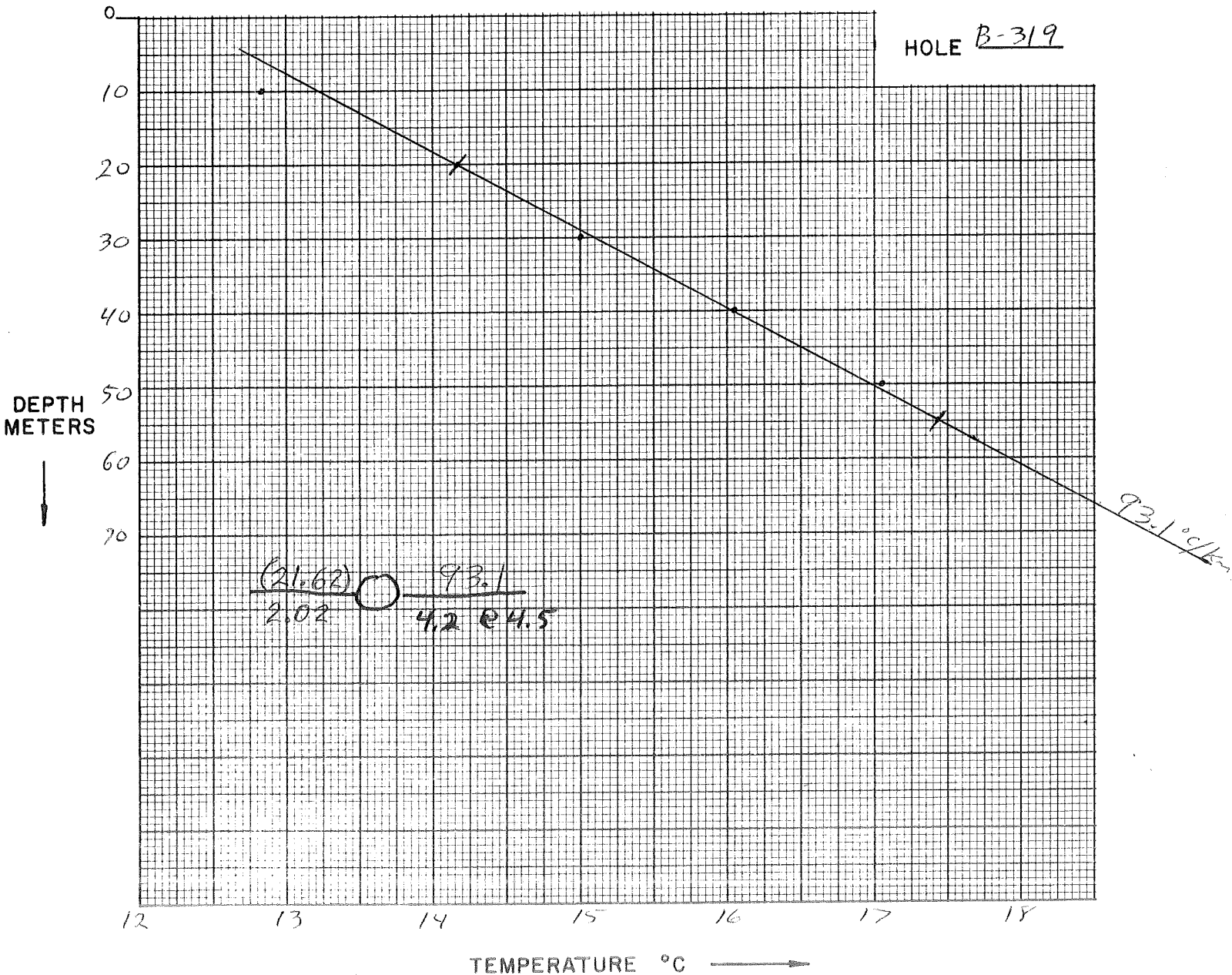






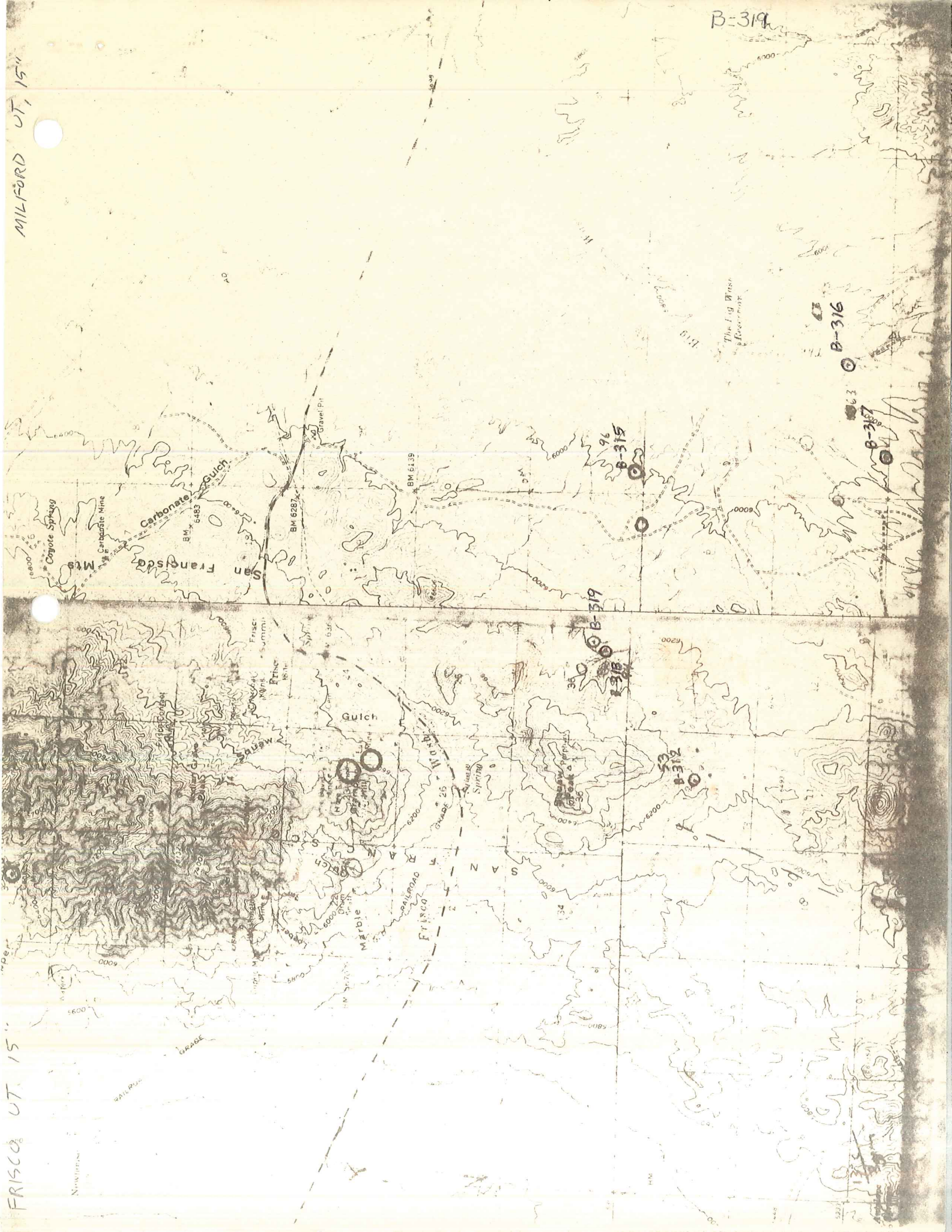
RESISTANCE

HOLE B-319



FRISCO UT 15"

MILFORD UT, 15"



B-319

B-316

B-315

B-319

B-319

B-319

B-319

B-319

B-319

B-319

B-319

The Log House  
of Frisco

Coyote Spring  
Carbonate Mine

Carbonate  
San Francisco  
Guich

Guich

Marble

Frisco

SAN

FRISCO

UTAH

6000

6200

6400

6600

6800

7000

7200

Gravel Pit

Frisc Summit

Marble

Frisco

San Francisco

Guich

Marble

Frisco

SAN

FRISCO

UTAH

6000

6200

6400

6600

6800

7000

Gravel Pit

Frisc Summit

Marble

Frisco

San Francisco

Guich

Marble

Frisco

SAN

FRISCO

UTAH

6000

6200

6400

6600

6800

7000





AKIN

TEMPERATURE - DEPTH LOG

Location ~6 MILES W. OF THERMO Date 19-APRIL-77

Map BURNS KNOLL 7 1/2"

Property BEST T 30 S R 13 W sec 2 SW 1/4 SW 1/4

Drill Hole B-320 Date Drilled MARCH-77 Elevation 5330 ft.

Instrument # 39 Operator JEO

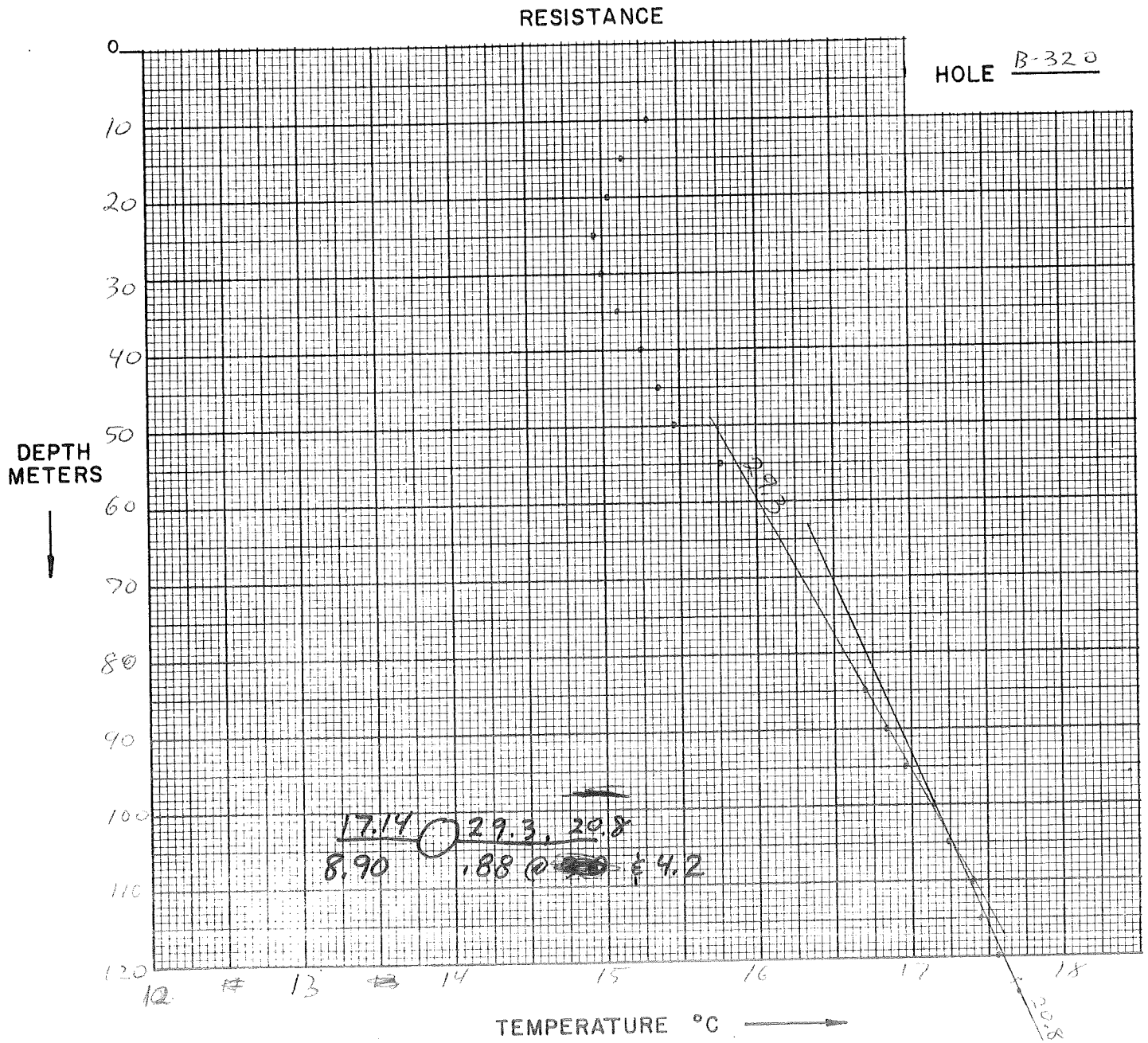
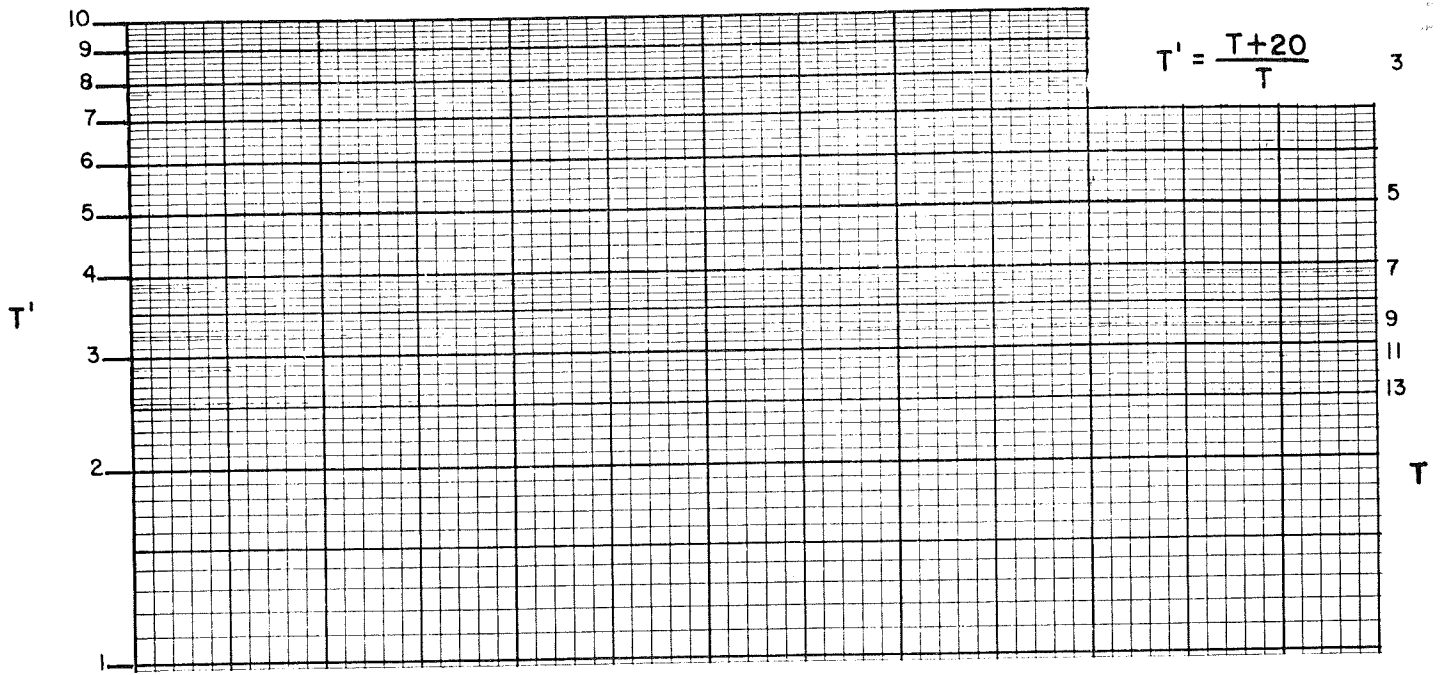
Comments 1" STEEL PIPE REPUBLIC C-HOLE

RED TO MED GRAY ALTERED RHYOLITE (OR TUFF) CUTTING AT SURFACE. CONSIDERABLE ALLUVIUM COVER.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
10	10420	15.31				
15	10489	15.13				
20	10525	15.04				
25	10561	14.94	.06	12		
30	10540	15.00	.11	22		
35	<del>10497</del> 10497	15.11	.13	26		
40	10450	15.24	.13	26		
45	10400	15.37	.10	20		
50	10360	15.47	.30			
55	10250	15.77				
60	10230					
65						
70						
75	<del>10115</del>					
80						
85	9909	16.70	.13	26		WATER IN PIPE
90	9863	16.83	.14	28		
95	9812	16.97	.17	34		
100	9750	17.14	.09	18		
105	9720	17.23	.17	34		
110	9661	17.40				









TEMPERATURE DEPTH LOG

ΔT Well No. 321

Property-Project Best Depth Logged \_\_\_\_\_  
 Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No		Well No		Date Logged			*												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
755		321		19	AP	27	CM												

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
S.9 KM SW OF MONUMENT PEAK																																																							JED					MLH				

**Card B**

Scale Unit		Map Size		Map Location <sup>Δ</sup>																									
in. / cm		(7.5, 15., 60)		N Lat		W Long																							
Degree		Min		Degree		Min																							
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
CH		15.		38.		00.		113.		15.																			

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
2.95										7.05280.										F									

Use decimals

Write M if meters

SEGMENT DEPTH

	Start	End	K	ΔK
C	15.0	90.0	-3.0	-.5
D				
E				
F				
G				

Continue each card below.

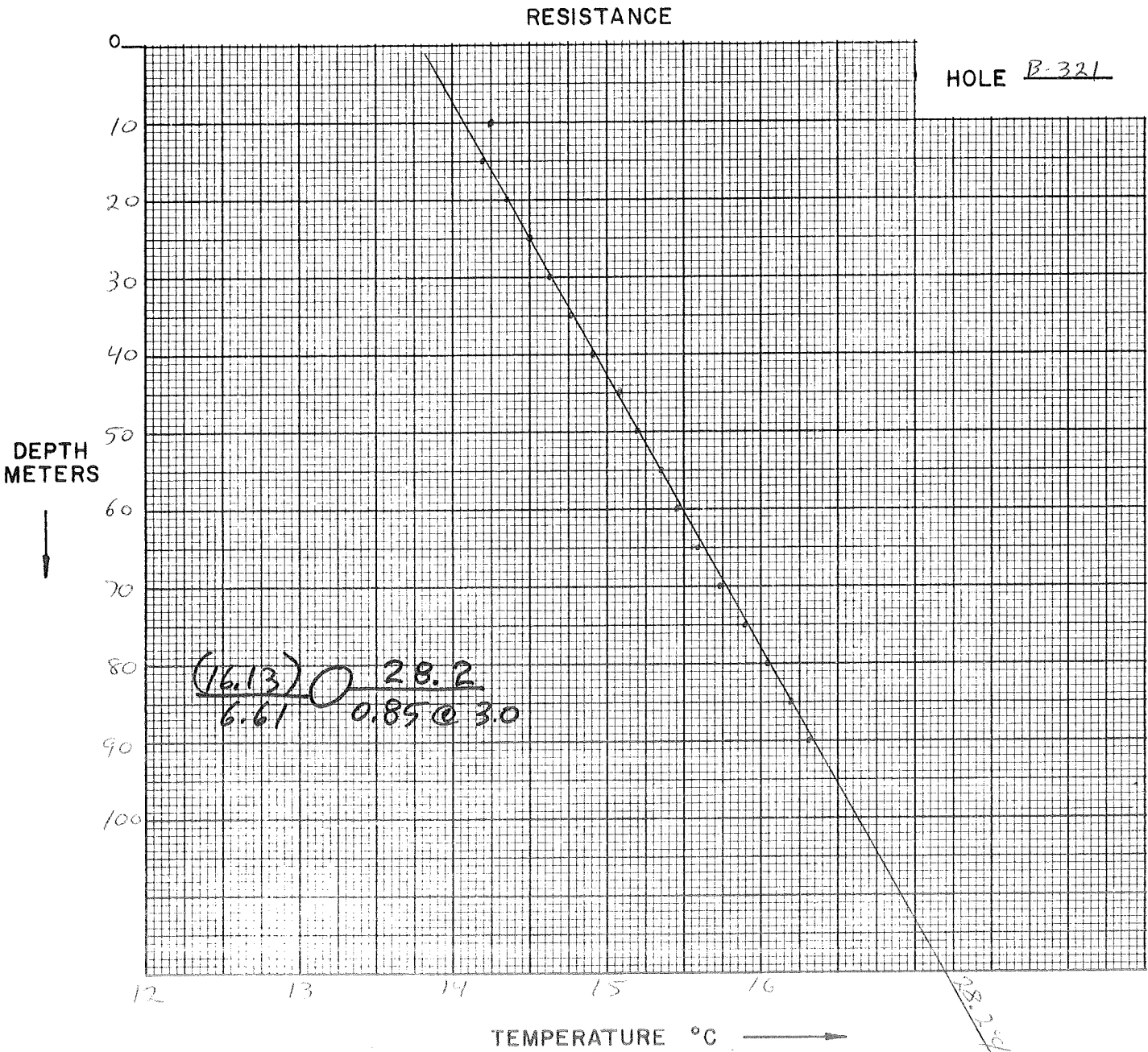
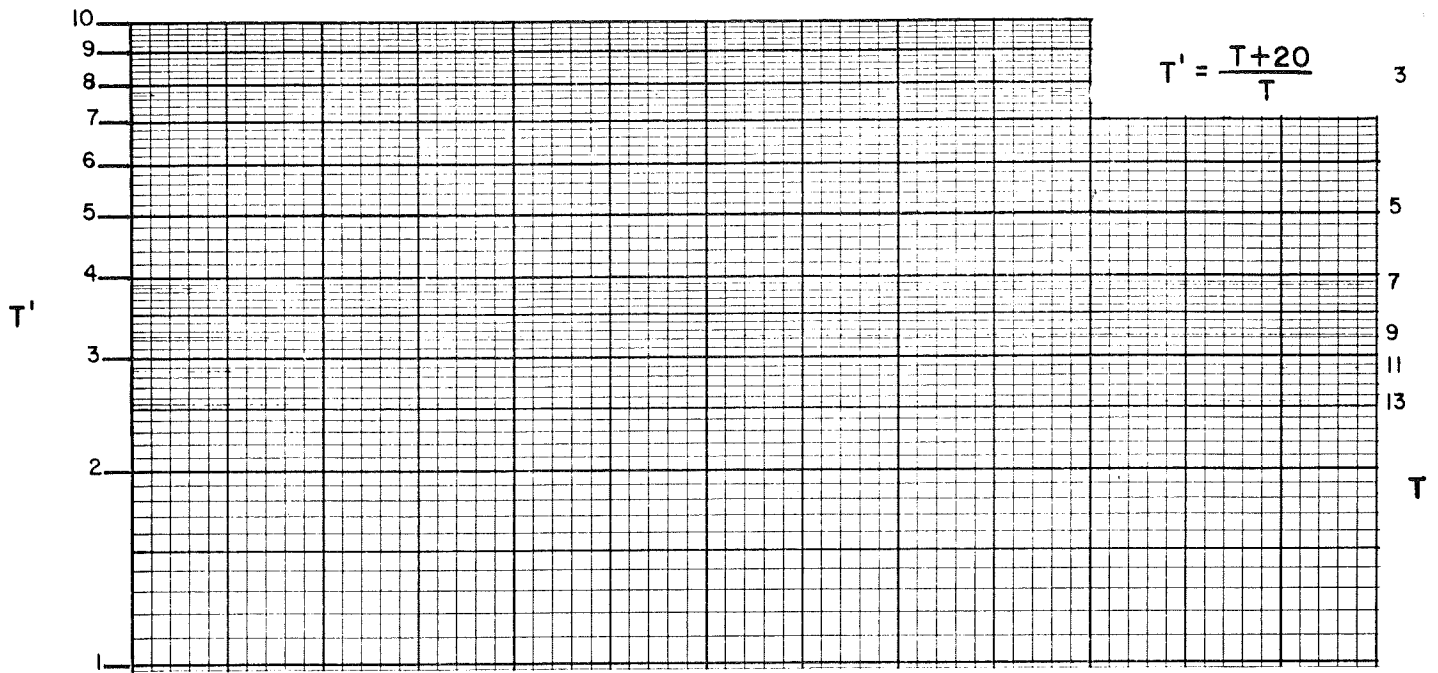
SEGMENT DEPTH

	Start	End	K	ΔK
C	.999			
D				
E				
F				
G				

Final Segment: Start = .999



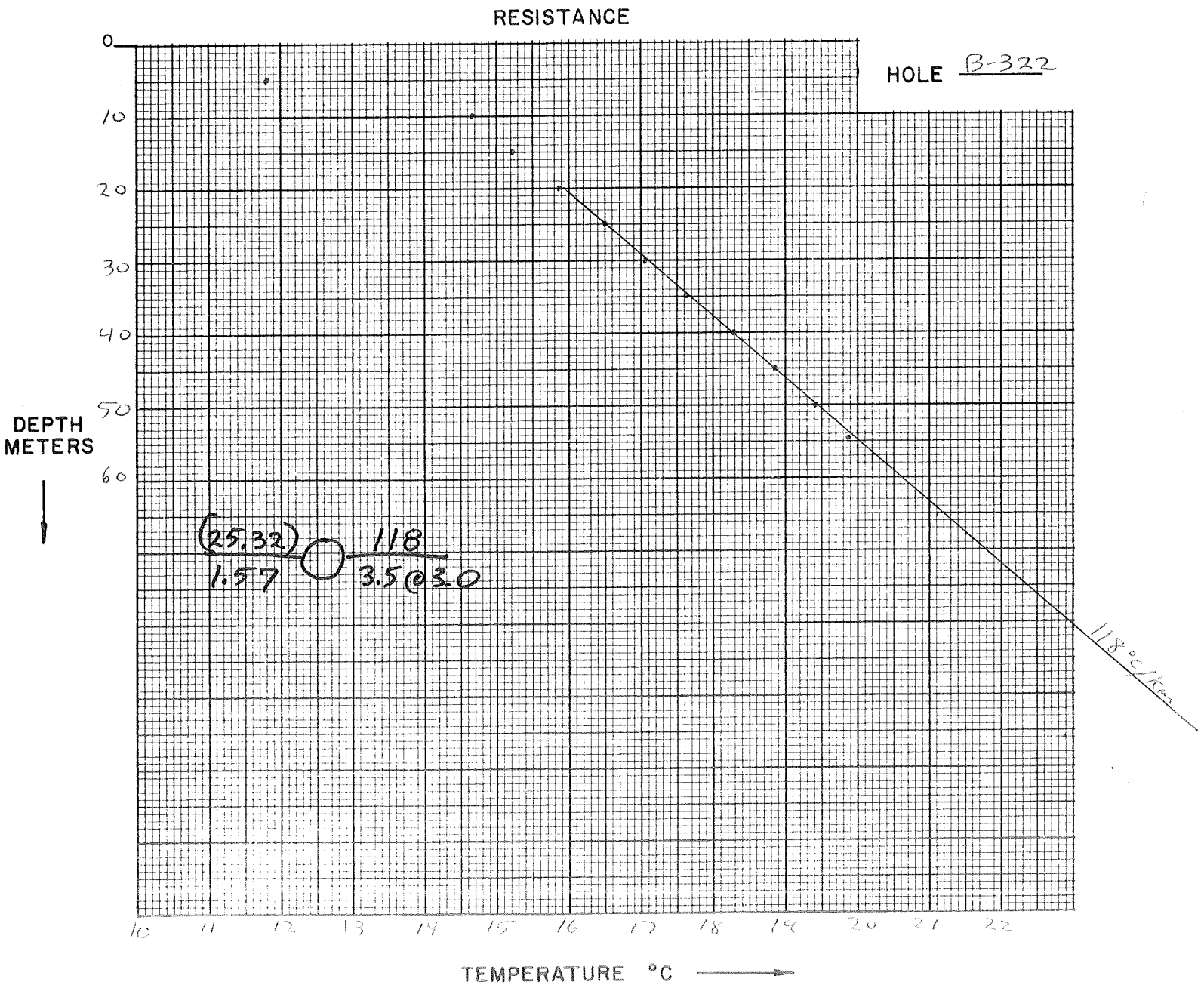
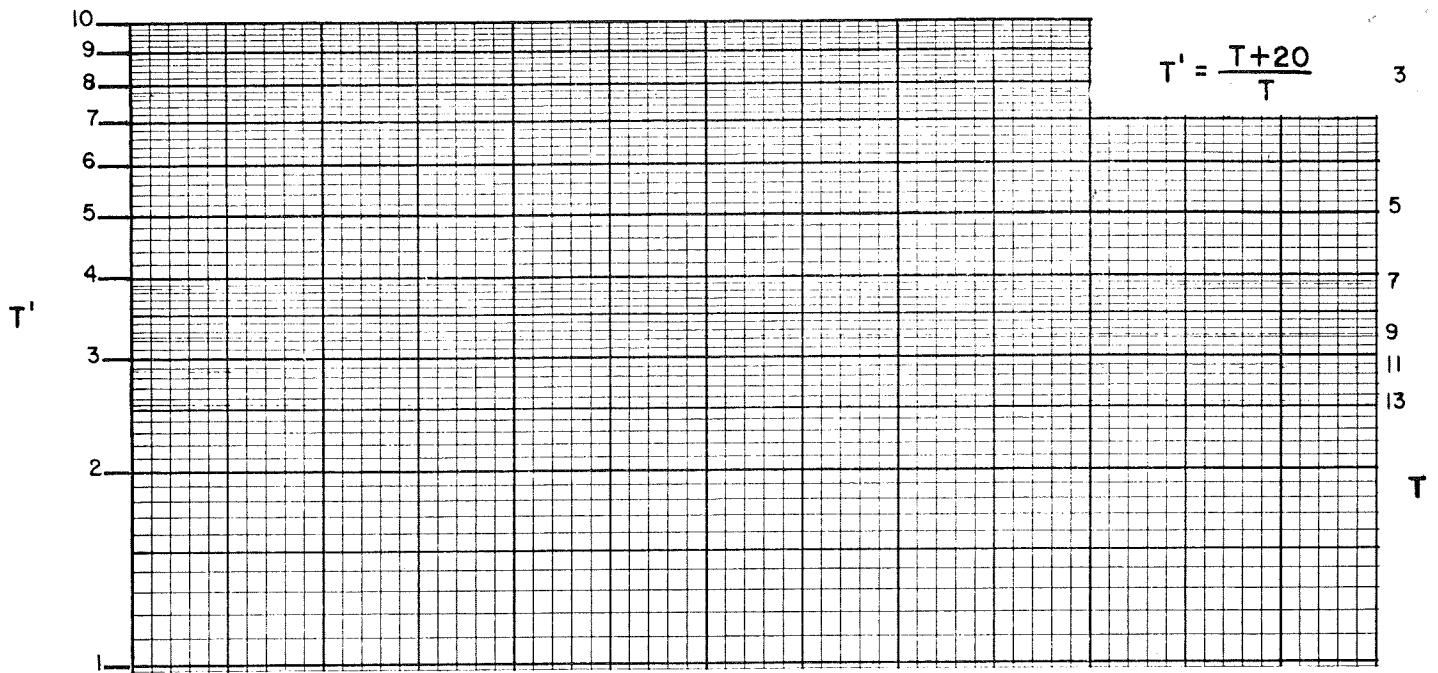
















B-322

SCALE 1:62,500



1 published by the Geological Survey

USC&GS  
photographs by photogrammetric methods  
1953 Aerial photographs taken 1953  
1957 North American datum

Medley

INTERIOR-GEOLOGICAL

R 13 W

297

296

295

294

293

292

291

290

289

288

287

286

285

284

43000 FEET

R 14 W

285

284

283

282

281

43000 FEET









HOLE Ø 323

0 11 12

10  
20  
30

~~15.2 @ 3.0~~

~~45.87 @ 1.8 @ 2.7~~  
~~38.64 @ 1.4 @ 3.0~~

(15.2) @ 49  
3.84 @ 1.5 @ 3.0

DEPTH  
METERS



TEMPERATURE °C →

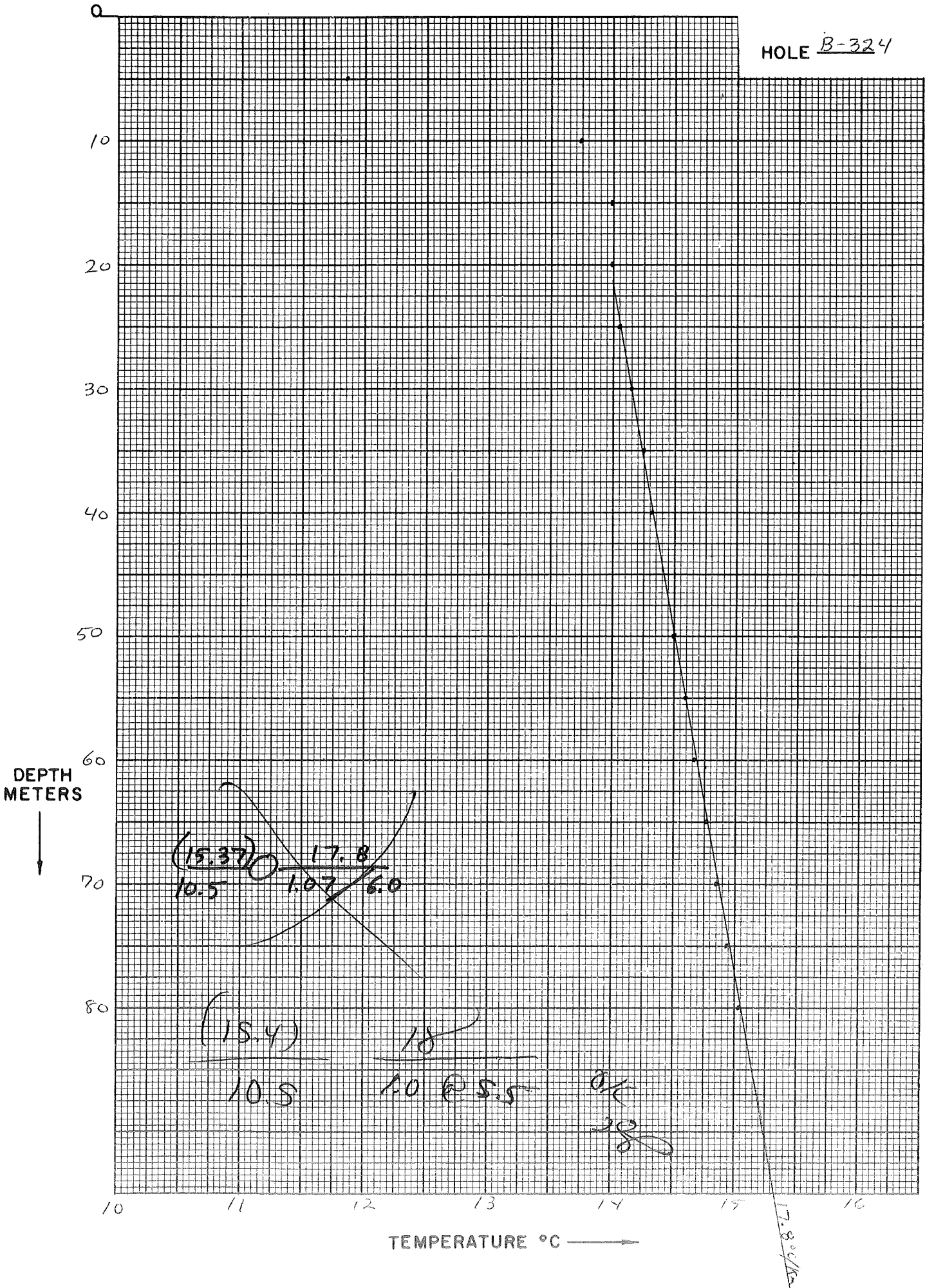








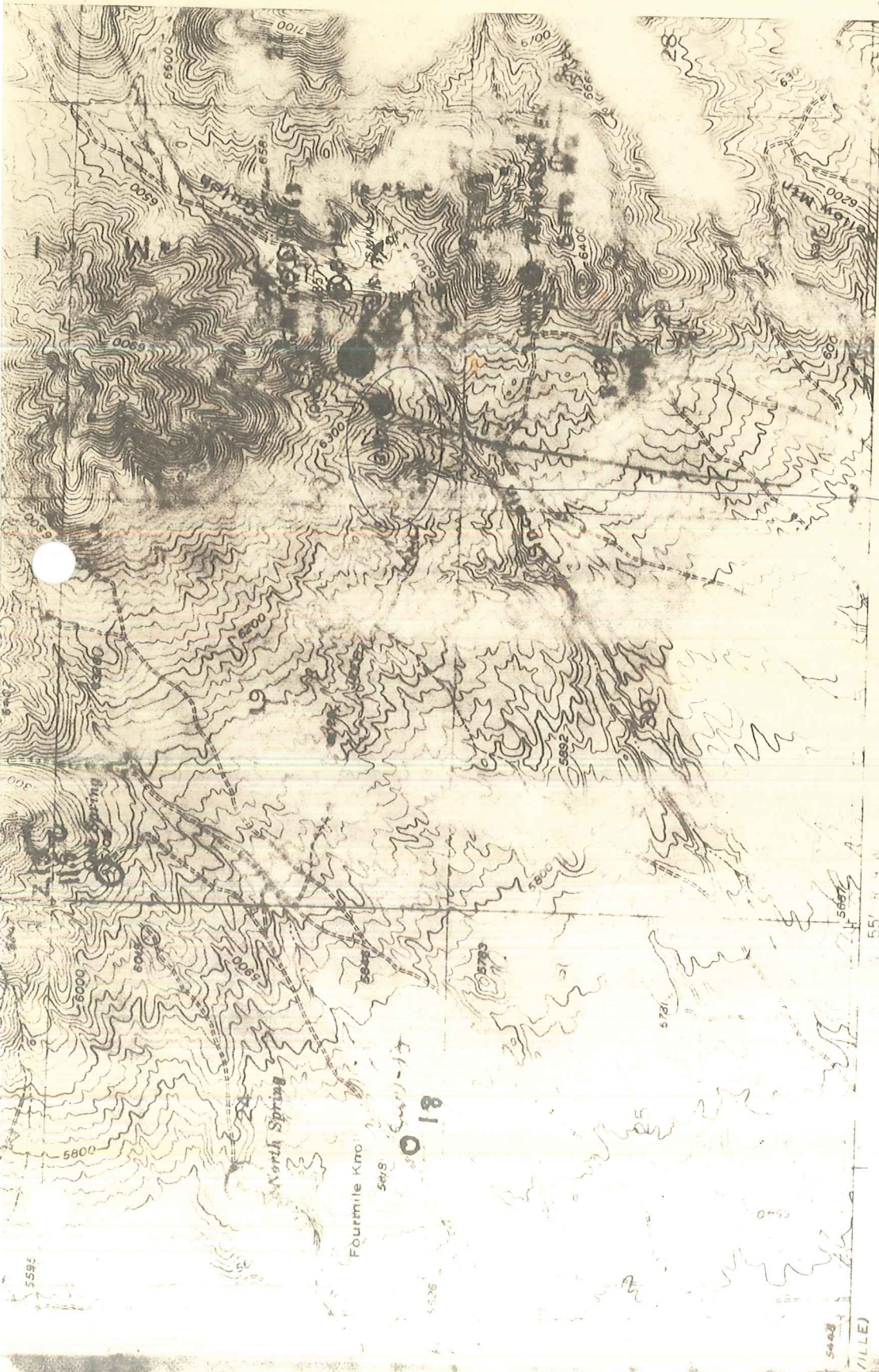
HOLE B-324





B-324

B-105 50 185 24  
 B-106 2 70 21  
 B-107 34 45 90 24  
 B-108 30 57 74  
 B-109 62 100 100 100  
 B-110 0 28

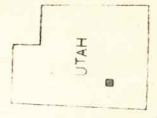


112° 50' 30"

ROAD CLASSIFICATION

- Light duty
- U.S. Route
- State Route

324



QUADRANGLE LOCATION

1 MILE

4000 5000 6000 FEET

KILOMETER

VAL 20 FEET  
ALF INTERNAL CONTOURS  
SEA LEVEL

4 3 5

24000

ALL MAP ACCURACY STANDARDS  
 TER, DENVER, COLORADO OR WASHINGTON 25, D. C.  
 NO SYMBOLS IS AVAILABLE ON REQUEST

CAVE CANYON, UTAH  
 N 3815 - W 11252.5/7.5

1953





TEMPERATURE - DEPTH LOG

Location 2.5 MILES N.W. OF SQUAW PK. Date 4-JUNE-77

Map FRISCO UT, 15"

Property BURNINGSTONE T 27 S R 13 W sec 22 NW 1/4 SW 1/4

Drill Hole B-325 Date Drilled \_\_\_\_\_ Elevation 5800 ft.

Instrument # 39 Operator JED

Comments 3/4" WATER FILLED PVC SET IN MINERAL EX. HOLE

CUTTINGS INDICATE L.S. & QTZ MONZONITE NEAR BASE OF HOLE. SURFACE SAND & GRAVEL ALONG N-W FAULT.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
6	11134	13.46				
8	10769	14.40				
10	10398	15.37	0.97			
12	10062	16.28	0.91			
14	9787	17.04	0.76			
16	9584	17.61	0.57	285		
18	9411	18.11	0.50	250		
20	9228	18.64	0.53	265		
22	9049	19.17	0.53	265		
24	8890	19.65	0.48	240		
26	8730	20.14	0.49	245		
28	8578	20.62	0.48	240		
30	8433	21.08	0.46	230		
32	8283	21.56	0.48	240		
34	8148	22.00	0.44	220		
36	8009	22.46	0.46	240		
38	7878	22.90	0.44	220		
40	7760	23.30	0.40	200		
42	7625	23.77	0.47	235		
44	7502	24.20	0.43	215		
46	7374	24.66	0.46	230		



TEMPERATURE - DEPTH LOG

Location \_\_\_\_\_ Date \_\_\_\_\_

Map \_\_\_\_\_

Property \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ sec \_\_\_\_\_

Drill Hole B-325 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

Instrument \_\_\_\_\_ Operator \_\_\_\_\_

Comments \_\_\_\_\_

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
48	7253	25.10	0.44	220		
50	7142	25.51	0.41	205		
52	7014	25.99	0.48	240		
54	6903	26.41	0.42	210		
56	6813	26.76	0.35	175		
58	6683	27.27	0.51	255		
60	6597	27.61	0.34	170		
62	6489	28.04	0.43	215		
64	6373	28.52	0.48	240		
66	6249	29.04	0.52	260		
68	6173	29.36	0.32	160		
70	6079	29.76	0.40	200		
72	5992	30.14	0.38	190		
74	5899	30.55	0.41	205		
76	5795	31.02	0.47	235		
78	5689	31.51	0.49	245		
80	5621	31.82	0.31	155		
82	5528	32.26	0.44	220		
84	5451	32.63	0.37	185		
86	5353	33.10	0.47	235		
88	5278	33.48	0.38	190		

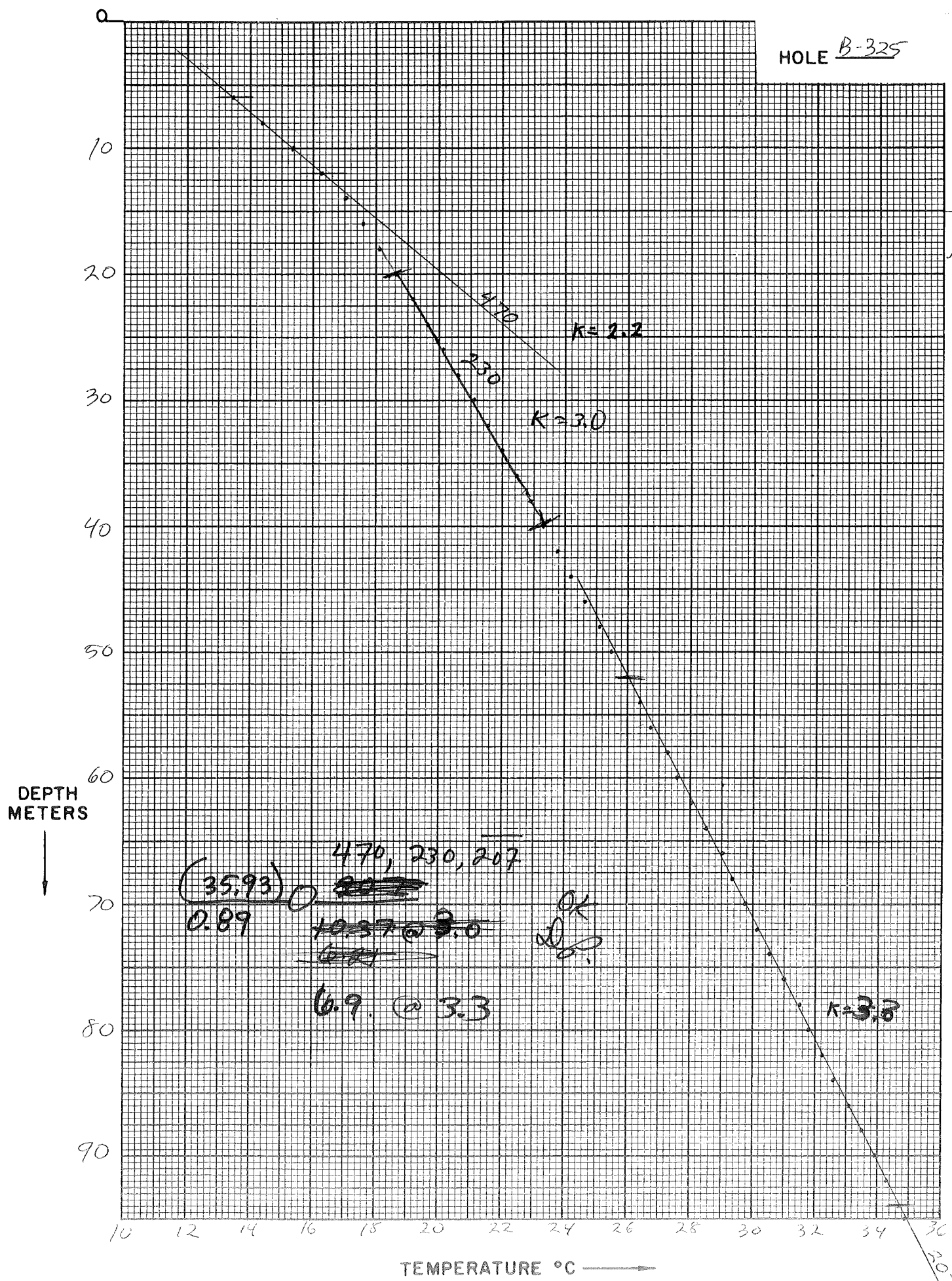




HOLE B-325

QAL

?  
QTZ  
MONZONITE



(35.93)  
0.89

470, 230, 207

~~207~~

~~10.37 @ 3.0~~

~~6.9~~

6.9 @ 3.3

OK  
OK  
OK

K=3.8

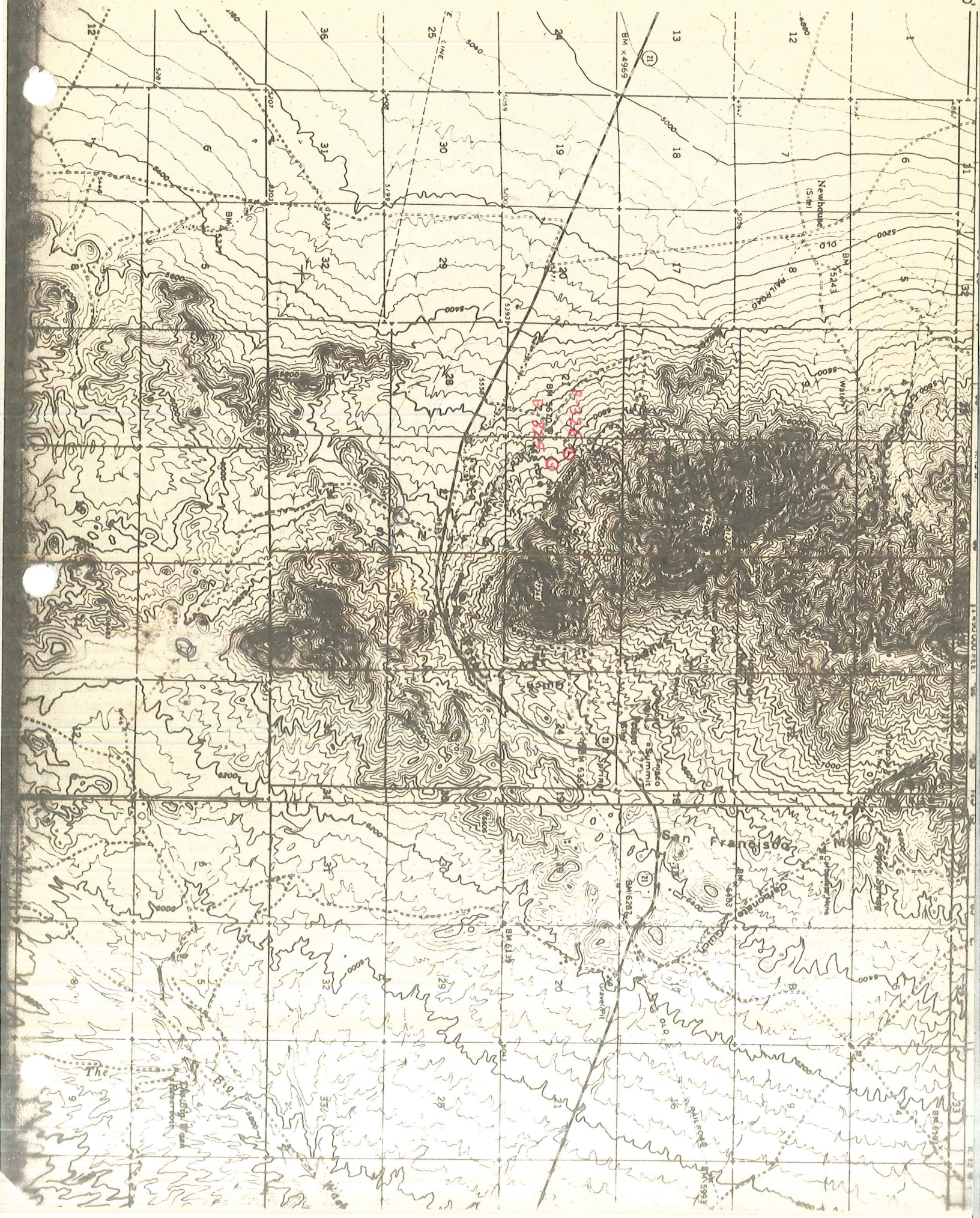
20.7 @ 3.8



FRISCO UT 15" QUAD

B-325

38930







TEMPERATURE - DEPTH LOG

Location 2.5 MILES N.W. OF SQUAW PK Date 4 June 77

Map FRISCO UT, 15"

Property BURNINGSTONE T 275 R 13W sec 22SE1/4 NW1/4

Drill Hole B-326 Date Drilled \_\_\_\_\_ Elevation 5800 ft.

Instrument # 39 Operator DAB

Comments 3/4" water-filled PVC in mineral exploration hole

CUTTINGS INDICATE BLACK L.S. & SOME QTZ MONZONITE AT DEPTH. HOLE BEGINS IN ALLUVIAL FAN MATERIAL ALONG N-W FAULT.

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
6.0	107.32	14.49	.90			
8.0	103.90	15.39	.81			
10	100.90	16.20	.74			
12	98.23	16.94	.49			
14	96.48	17.43	.45			
16	95.27	17.78	.37	0185		
18	93.96	18.15	.32	<del>0160</del>		
20	92.87	18.47	.55	275		
22	91.01	19.02	.54	270		
24	89.20	19.56	.57	285		
26	87.36	20.13	.53	265		
28	85.64	20.66	.59	295		
30	83.79	21.25	.50	250		
32	82.25	21.75	.51	255		
34	80.68	22.26	.47	235		
36	79.30	22.73	.51	255		
38	77.80	23.24	.46	230		
40	76.46	23.70	.42	210		
42	75.25	24.12	.40	200		
44	74.13	24.52	.41	205		
46	72.99	24.93				

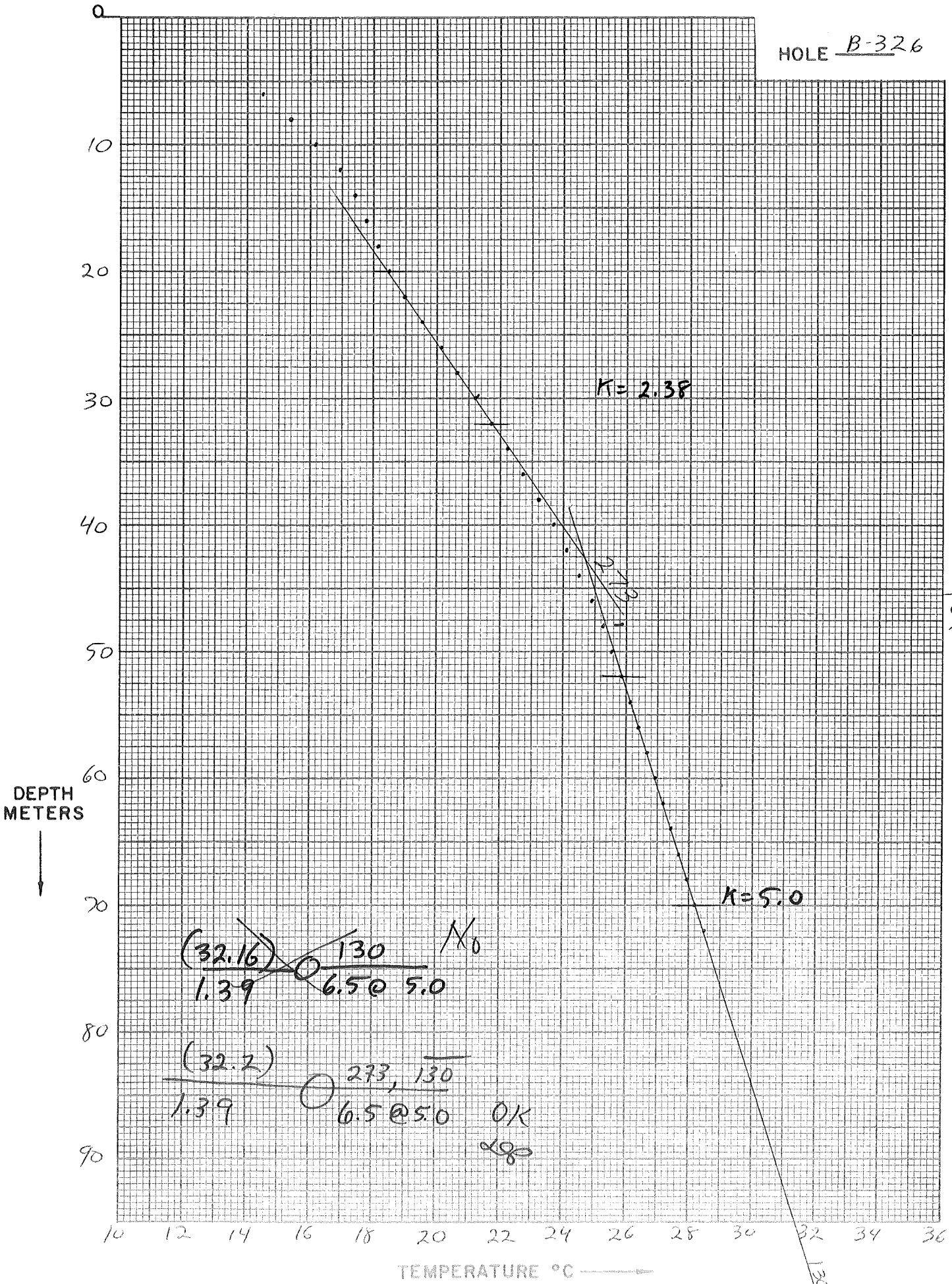








HOLE B-326







TEMPERATURE - DEPTH LOG

Location 1.4 MILES N. OF COPPER RANCH MINE Date 5-JUNE-77

Map MILFORD UT, 7 1/2"

Property BURNINGSTONE T 27S R 11W sec 8 NW 1/4 NE 1/4

Drill Hole B-327 Date Drilled \_\_\_\_\_ Elevation 5600 ft.

Instrument # 39 Operator JEP

Comments 6" MINERAL EX HOLE, WATER STANDING AT 15m  
DRILLED IN MED-GRAINED MONZONITE

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
16	10658	14.69	0.03	15	
18	10646	14.72	0.04	20	
20	10629	14.76	0.06	30	
22	10606	14.82	0.07	35	
24	10580	14.89	0.08	40	
26	10550	14.97	0.06	30	
28	10527	15.03	0.05	25	
30	10507	15.08	0.10	50	
32	10470	15.18	0.07	35	
34	10443	15.25	0.08	40	
36	10415	15.33	0.07	35	
38	10385	15.40	0.06	30	
40	10366	15.46	0.07	35	
42	10339	15.53	0.07	35	
44	10313	15.60	0.08	40	
46	10281	15.68	0.06	30	
48	10260	15.74			
50			0.13		
52	10212	15.87	0.07	35	
54	10186	15.94	0.08	40	
56	10157	16.02			

TEMPERATURE - DEPTH LOG

Location \_\_\_\_\_ Date \_\_\_\_\_

Map \_\_\_\_\_

Property \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_ sec \_\_\_\_\_

Drill Hole B-327 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

Instrument \_\_\_\_\_ Operator \_\_\_\_\_

Comments \_\_\_\_\_

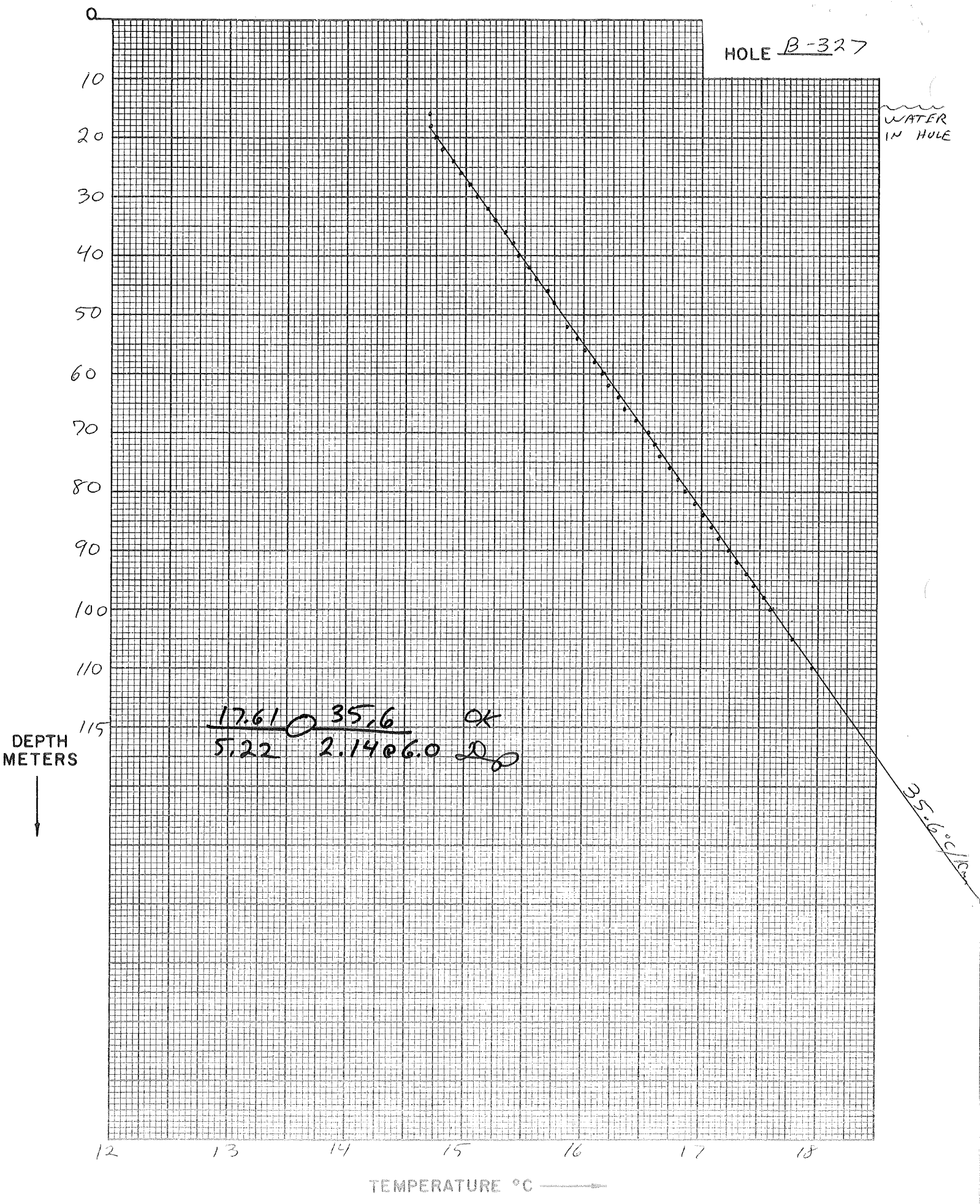
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
58	10133	16.08	0.06	30	
60	10103	16.17	0.09	45	
62	10084	16.22	0.05	25	
64	10055	16.30	0.08	40	
66	10037	16.35	0.05	25	
68	9999	16.45	0.10	50	
70	9964	16.55	0.10	50	
72	9945	16.60	0.05	25	
74	9923	16.66	0.06	30	
76	9897	16.73	0.07	35	
78	9870	16.81	0.08	40	
80	9846	16.87	0.06	30	
82	9819	16.95	0.08	40	
84	9793	17.02	0.07	35	
86	9772	17.08	0.06	30	
88	9743	17.16	0.08	40	
90	9719	17.23	0.07	35	
92	9692	17.31	0.08	40	
94	9664	17.38	0.07	35	
96	9640	17.45	0.07	35	
98	8612	17.53	0.08	40	





HOLE B-327

WATER  
IN HOLE

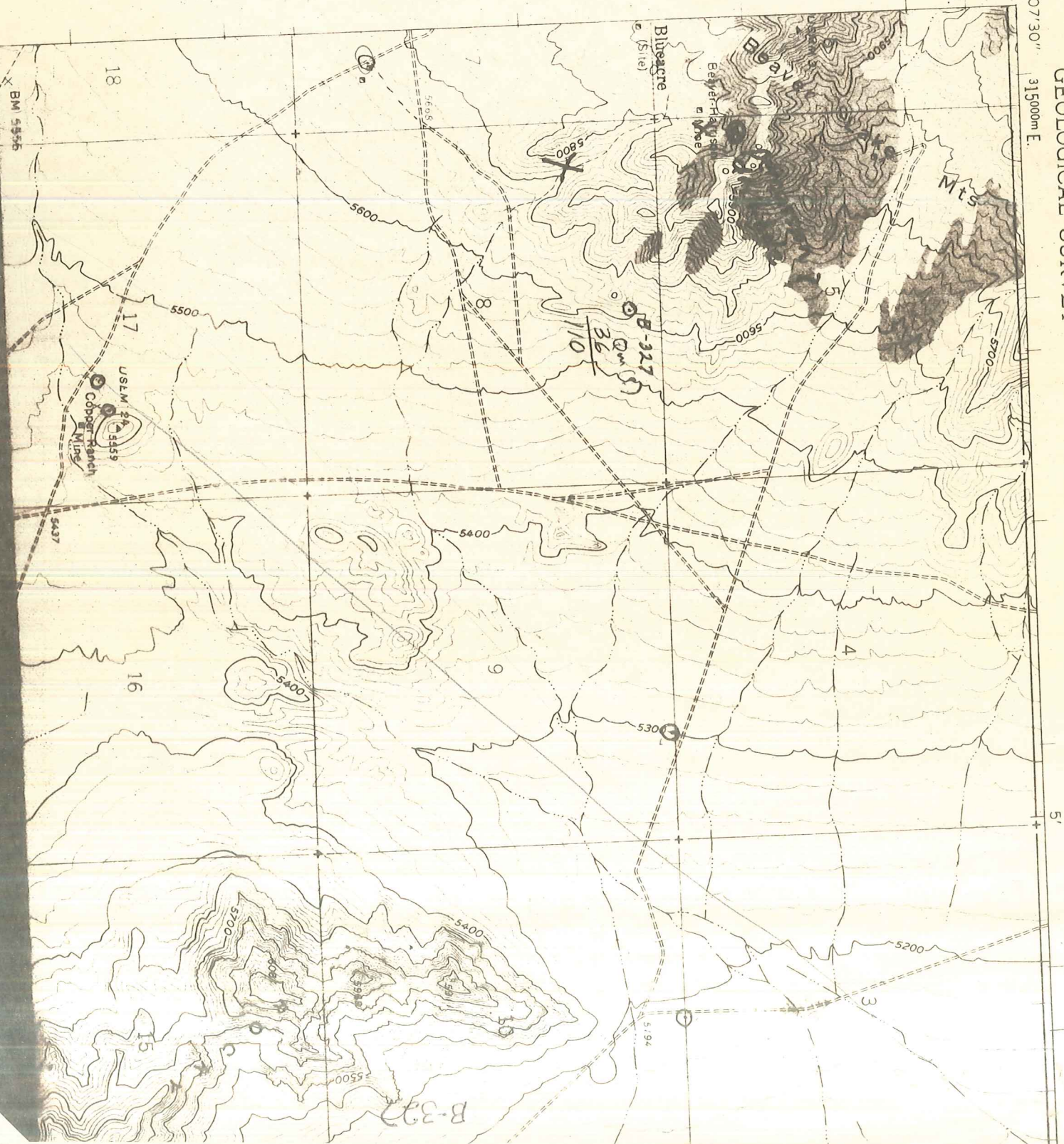




UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

113°07'30" 315000m E  
38°30' T 275  
4263000m N

MILFORD 7 1/2" QUAD

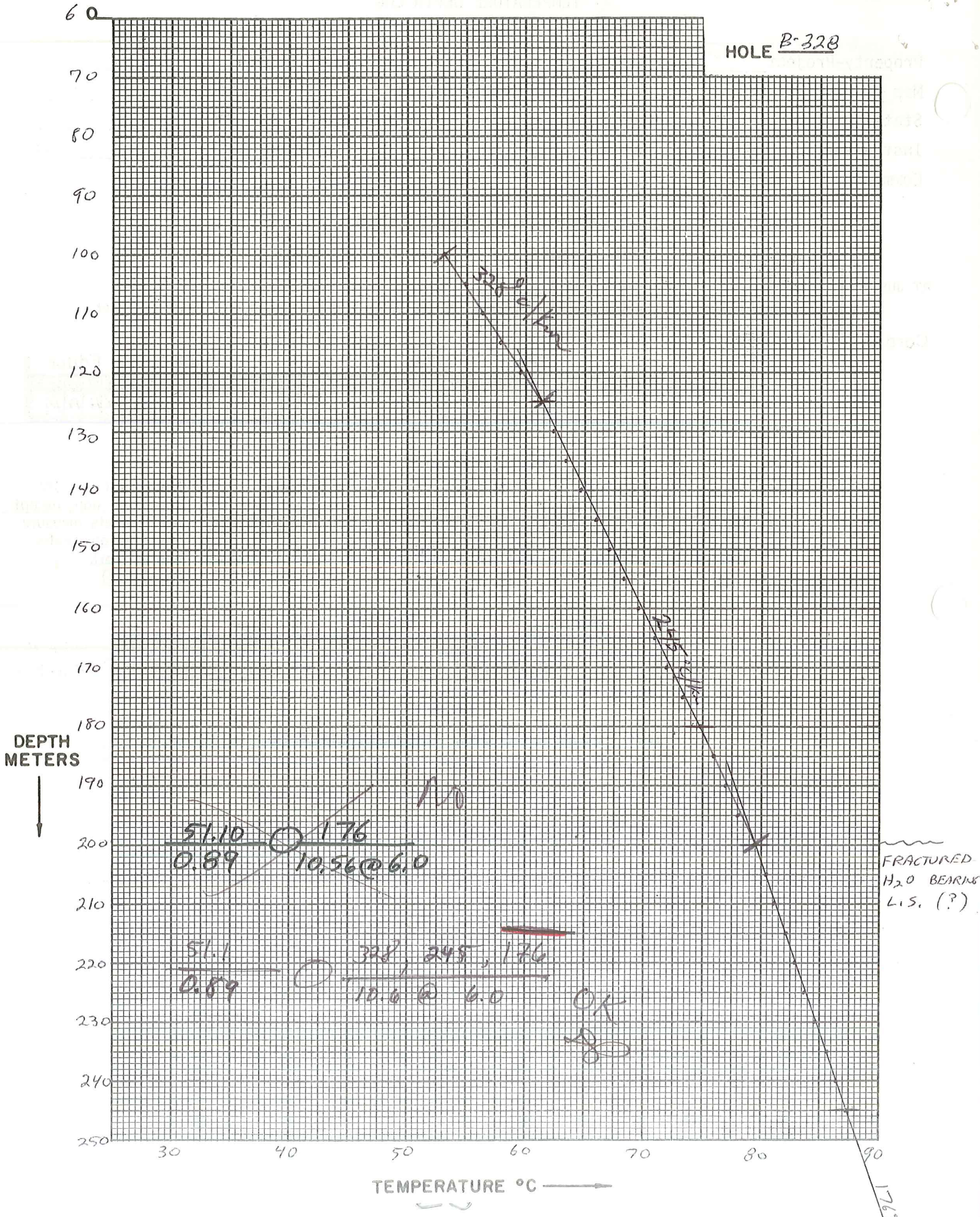








HOLE B-328





Date Logged: 11-JUNE-77AT Well No. B-328

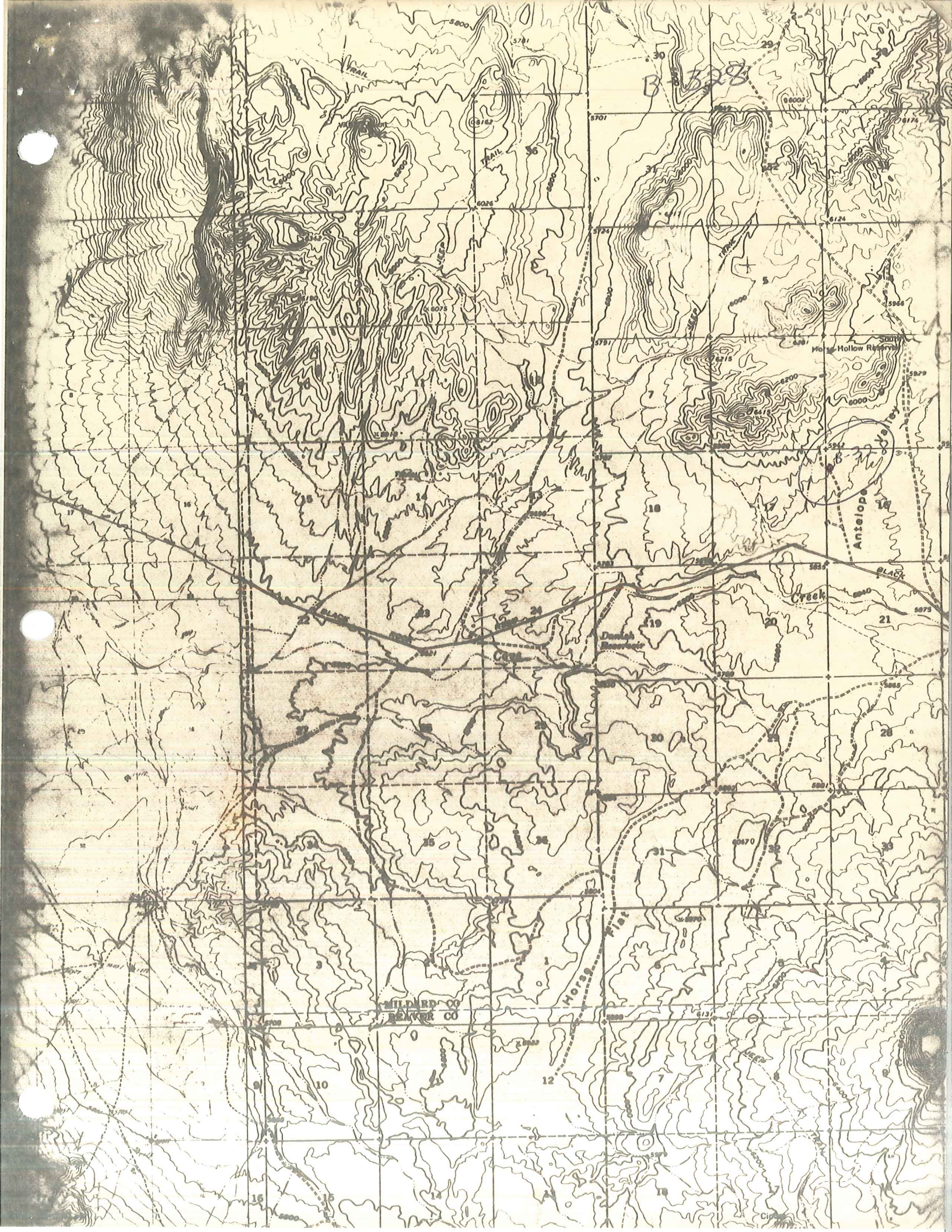
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
50							
100	2520	53.10				AIR	
105	2351	54.99	1.89	378		"	
110	2234	56.38	1.39	278		"	
115	21190	57.83	1.45	290		"	
120	19900	59.57	1.74	348		"	
125	18700	61.29	1.72	344		"	
130	18003	62.35	1.06	212		"	
135	17335	63.41	1.06	212		"	
140	16585	64.65	1.24	248		"	
145	15862	65.91	1.26	252		"	
150	15179	67.16	1.25	250		"	
155	14589	68.30	1.14	228		"	
160	13915	69.65	1.35	270		"	
165	13340	70.87	1.22	244		"	
170	12839	71.98	1.12	224		"	
175	12250	73.35	1.37	274		"	
180	11666	74.78	1.43	286		"	
185	11170	76.06	1.28	256		"	
190	10784	77.10	1.04	208		"	
195	10385	78.22	1.12	224		"	
200	9983	79.40	1.18	236		"	WATER BEARING, FRACTURED L.S. (?) LOST CIRC. ZONE (?)
205	9633	80.48	1.08	216		"	
210	9370	81.31	0.83	166		"	
215	9094	82.22	0.91	182		"	
220	8895	82.89	0.67	134		"	
225	8660	83.71	0.82	164		"	

K=Conductivity











COVE FORT 15''





TEMPERATURE - DEPTH LOG

Location 1.4 mile south Beaver Lake Mts. Date 7 June 77

Map Milford Ut 15"

Property BURNINGSTONE T 275 R 11W sec 7 NE 1/4 SE 1/4

Drill Hole B-329 Date Drilled \_\_\_\_\_ Elevation ~5680 ft.

Instrument #39 Operator DAB

Comments 3/4" water-filled PVC in mineral exploration

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient		Comments
				°C/Km	Avg.	
2	118.01	11.82				
			.40			
4	119.67	11.42				
			.77			
6	116.51	12.19				
			.77			
8	113.35	12.96				
			.17			
10	114.44	12.69				
			1.01			
12	110.42	13.70				
			.13			
14	109.91	13.83				
			.09			
16	109.54	13.92				
			.09			
18	109.20	14.01				
			.09			
20	108.85	14.10				
			.10			
22	108.45	14.20				
			.10			
24	108.07	14.30				
			.09			
26	107.70	14.39				
			.09			
28	107.34	14.48				
			<del>.09</del>			
30	106.96	14.59				
			.09			
32	106.59	14.68				
			.10			
34	106.22	14.78				
			.10			
36	105.83	14.88				
			.10			
38	105.46	14.98				
			.09			
40	105.10	15.07				
			.09			
42	104.78	15.16				





0 11 12 13 14 15 16

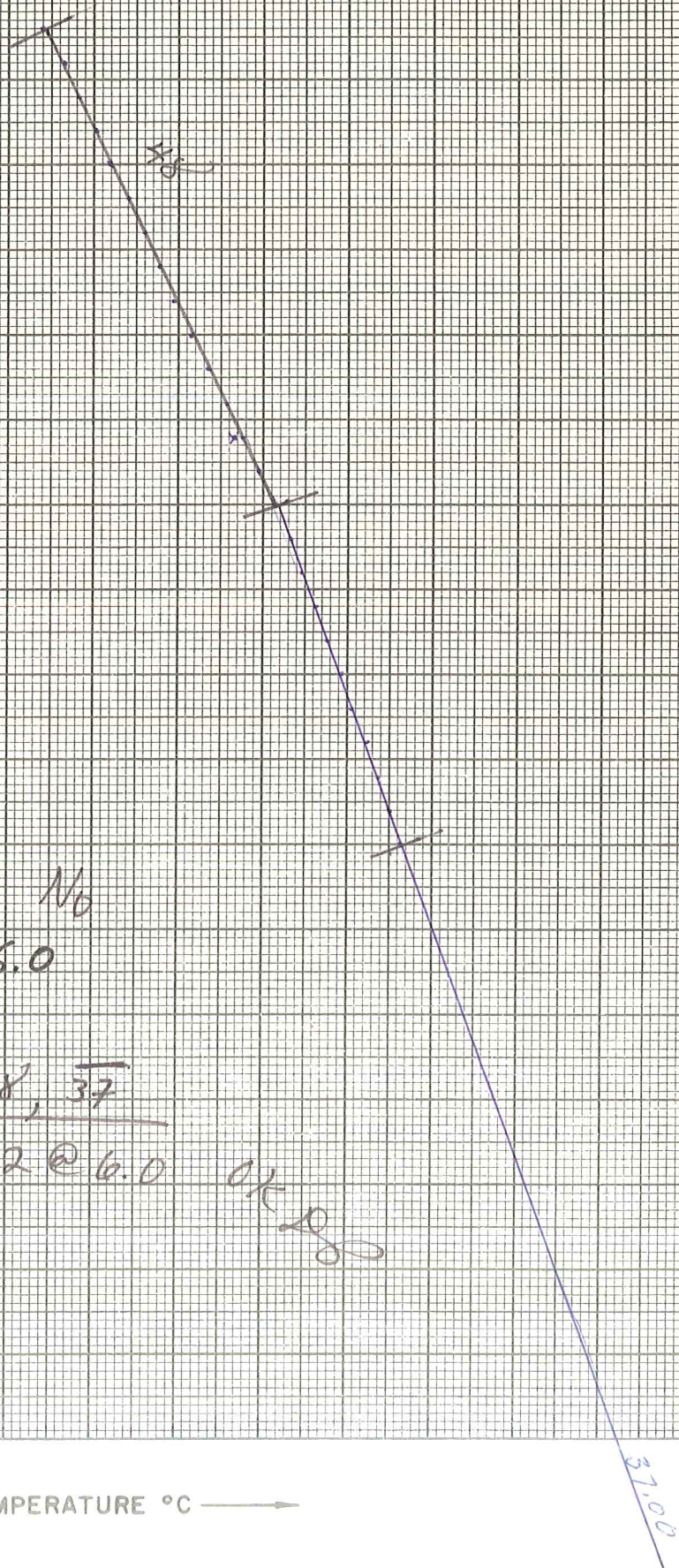
HOLE B-329

10 -  
20 -  
30 -  
40 -  
50 -  
60 -

DEPTH METERS  
↓

~~(17.29) 37.0 No~~  
~~5.04 2.22 @ 6.0~~

(17.3) 0 48, 37  
 5.04 2.2 @ 6.0 OK



TEMPERATURE °C →

37.00







TEMPERATURE - DEPTH LOG

Location 2.1 miles SW USLM 24 Copper Ranch Mine Date 6 June 77

Map Milford UT 15"

Property \_\_\_\_\_ T 275 R 11W sec 17 NW1/4 SE1/4

Drill Hole B-330 Date Drilled \_\_\_\_\_ Elevation \_\_\_\_\_ ft.

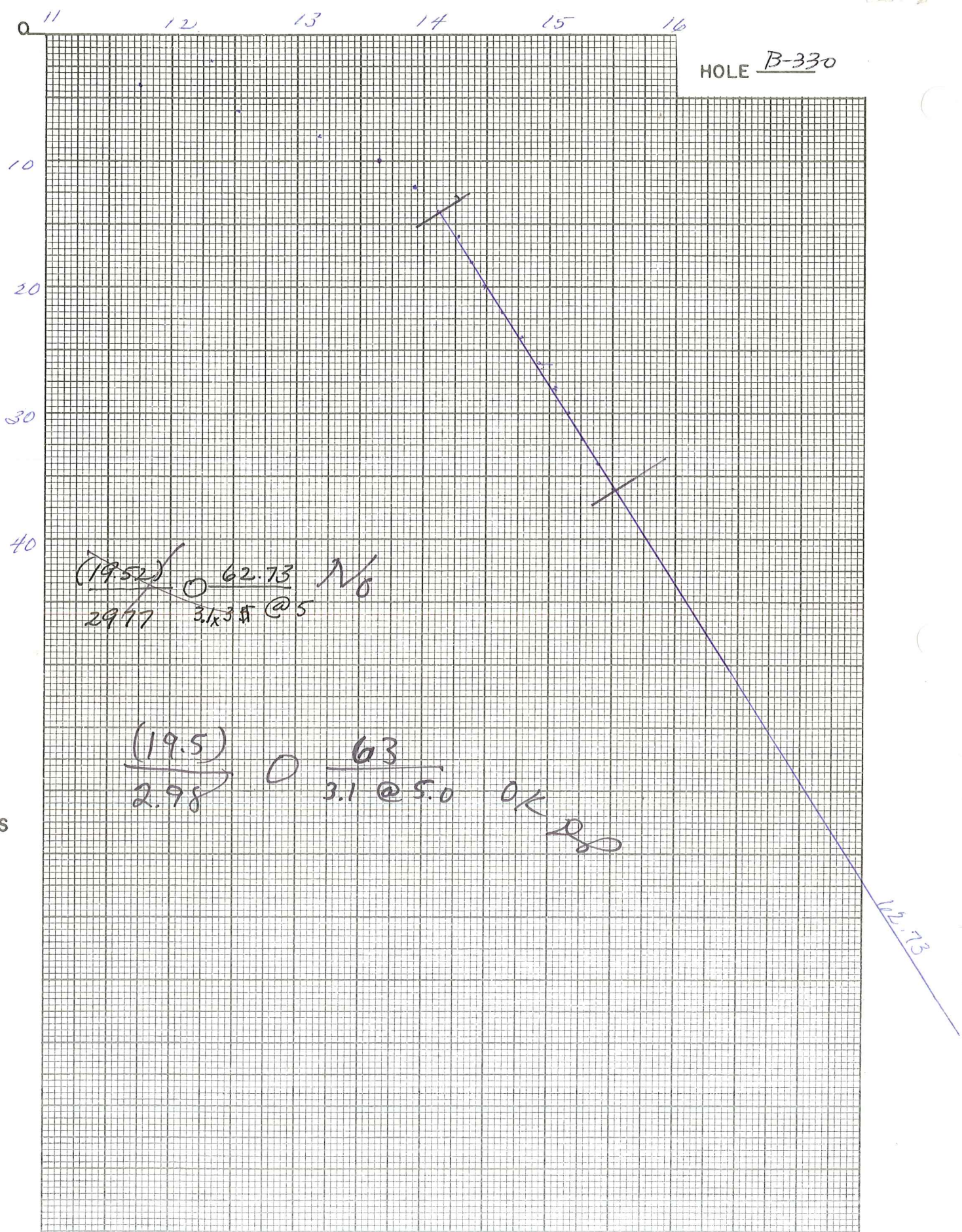
Instrument #39 Operator DAB

Comments 3/4" water-filled PVC mineral exploration

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
2.	115.94	12.32			latitic Andearto?
4.	118.33	11.75	.77		
6.	115.10	12.53	.78		
8.	112.46	13.18	.65		
10.	110.59	13.65	.47		
12.	109.45	13.94	.39		
14.	108.73	14.13	.19	95	
16.	108.21	14.26	.13	65	
18.	107.80	14.37	.11	55	
20.	107.33	14.49	.12	60	
22.	106.80	14.63	.14	70	
24.	106.23	14.78	.15	75	
26.	105.70	14.92	.14	70	
28.	105.22	15.04	.12	60	
30.	104.82	15.15	.11	55	
32.	104.40	15.26	.11	55	
34.	<del>103</del> 103.91	15.39	.13	65	
36.	103.46	15.51	.12	60	
37.	103.23	15.57	.06		



HOLE B-330



DEPTH METERS  
↓

TEMPERATURE °C →

$\frac{(19.52)}{29.77}$  ○  $\frac{62.73}{3.1 \times 3.5 @ 5}$  N6

$\frac{(19.5)}{2.98}$  ○  $\frac{63}{3.1 @ 5.0}$  OK *[Signature]*

12.73





TEMPERATURE - DEPTH LOG

Location .1 mile SW USLM24 Copper Ranch Mine Date 6 June 77

Map Milford Ut 15"

Property BURNINGSTONE T 27S R 11W sec 17 NW 1/4 SE 1/4

Drill Hole B-331 Date Drilled \_\_\_\_\_ Elevation ~5475 ft.

Instrument #39 Operator DAB

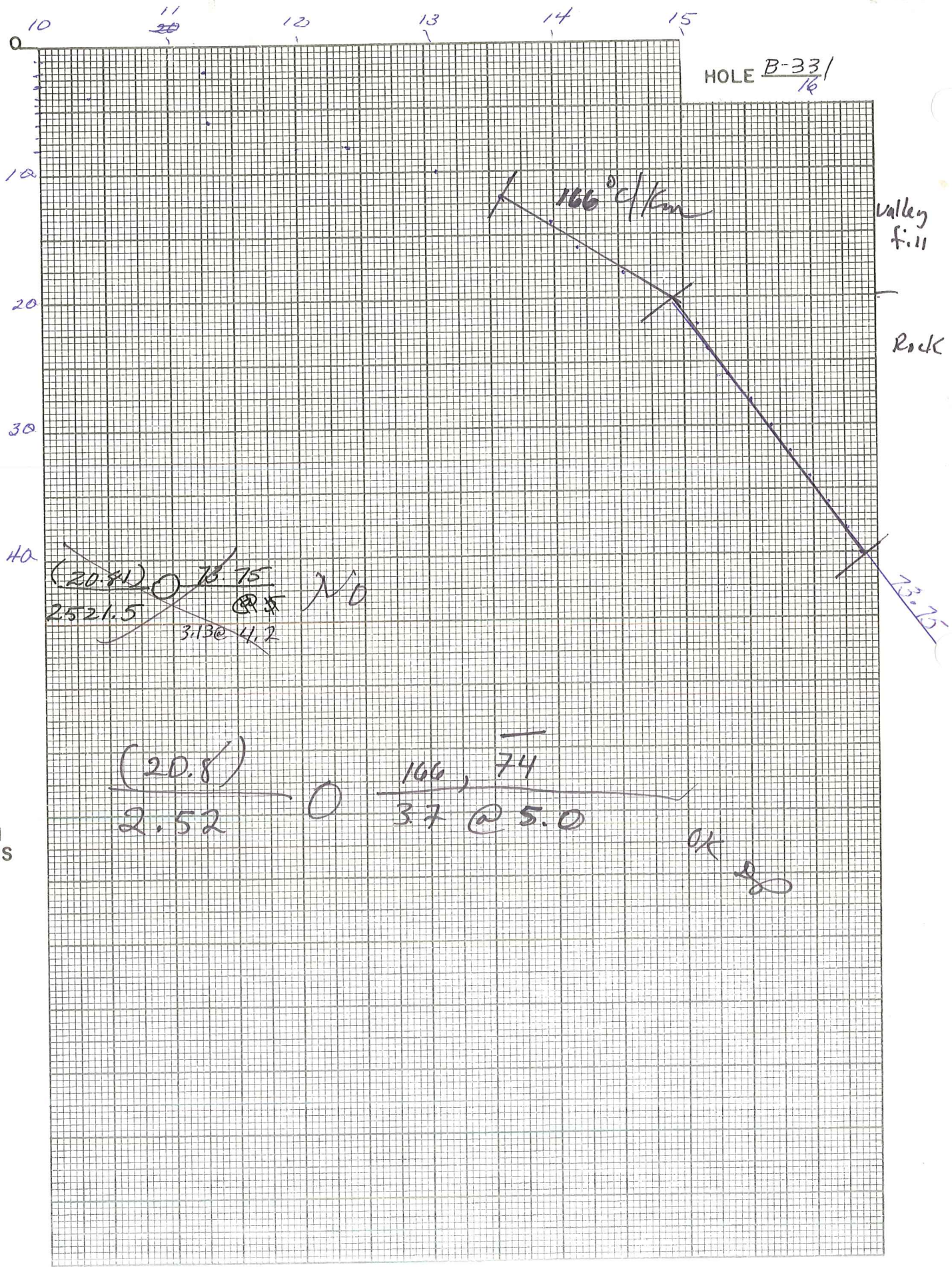
Comments 3/4" water filled PVC mineral exploration

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
2	120.28	11.28	.91		Limestone into latitic(?) andesite rock
4	124.14	10.37	.95		
6	120.13	11.32	1.08		
8	115.62	12.40	.31		
10	112.83	13.09	.49		
12	110.90	13.58	.40		
14	109.58	13.98	.20		
16	108.52	14.18	.35		
18	107.18	14.53	.38		
20	105.71	14.91	.19		
22	105.00	15.10	.09		
24	104.66	15.19	.16		
26	104.07	15.35	.17		
28	103.40	15.52	.16		
30	102.83	15.68	.15		
32	102.25	15.83	.14		
34	101.73	15.97	.15		
36	101.20	16.12	.14		
38	100.69	16.26	.11		
40	100.28	16.37	.07		
41	100.02	16.44			



10-16

HOLE B-33/16



DEPTH METERS

TEMPERATURE °C







TEMPERATURE - DEPTH LOG

Location 2 ~~1/2~~ miles NE of Copper Ranch Mine Date 7 June 77

Map Milford, Utah 7.5"

Property \_\_\_\_\_ T 275 R 11W sec 9 NW 1/4 NE 1/4

Drill Hole B-332 Date Drilled \_\_\_\_\_ Elevation 5300 ft.

Instrument #39 Operator DAE

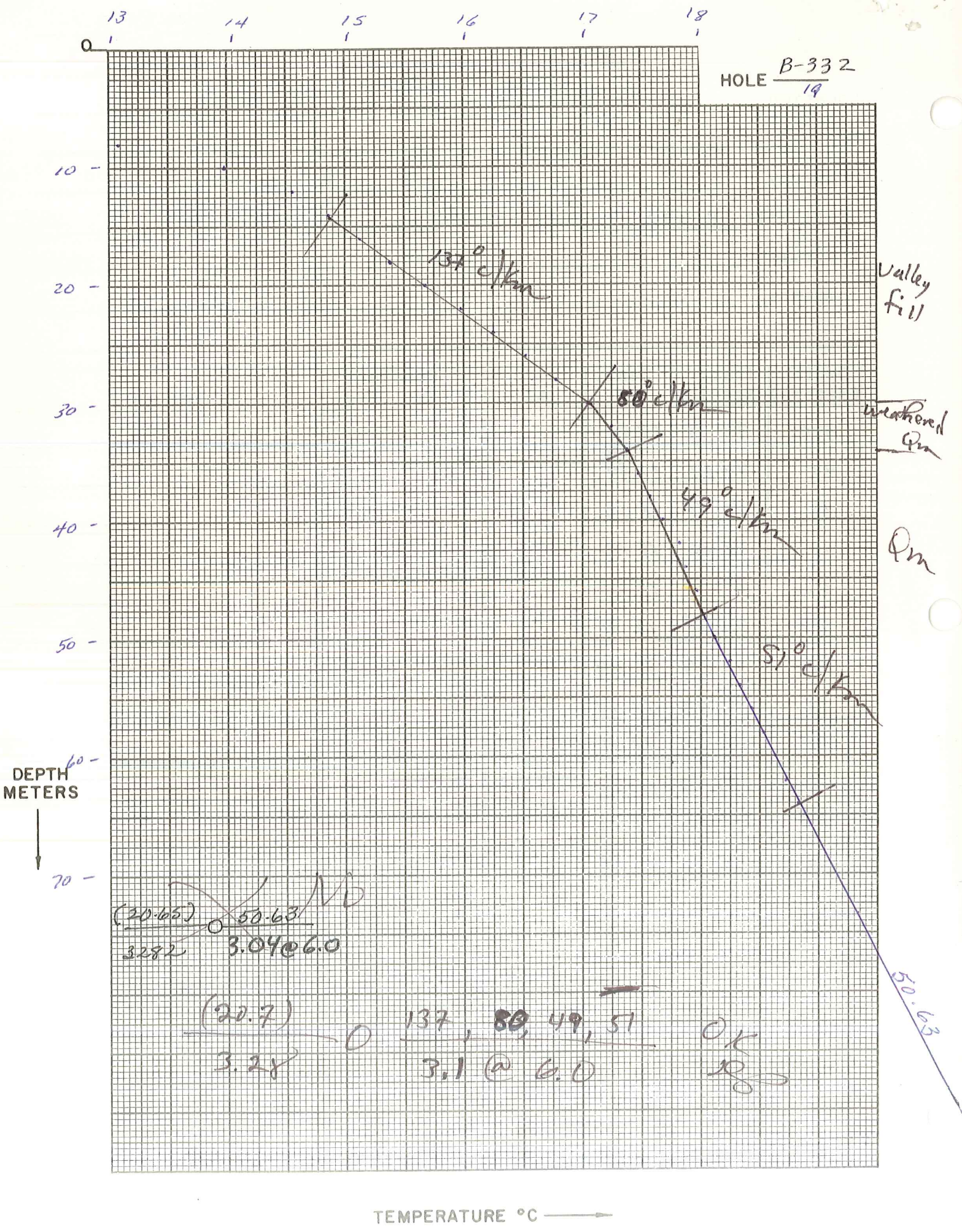
Comments 3 1/4" water filled PVC mineral exploration

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
2	110.63	13.64			<u>Drilled in Quartz Monzonite</u>
			2.33		
4	120.15	11.31			
			.70		
6	117.22	12.01			
			.97		
8	112.87	13.08			
			.91		
10	109.26	13.99			
			.57		
12	107.06	14.56			
			.30		
14	105.91	14.86			
			.26		
16	104.92	15.12			
			.27		
18	103.89	15.39			
			.29		
20	102.82	15.68			
			.30		
22	101.72	15.98			
			.27		
24	100.71	16.25			
			.28		
26	99.70	16.53			
			.25		
28	98.80	16.78			
			.27		
30	97.84	17.05			
			.20		
32	97.12	17.25			
			.12		
34	96.68	17.37			
			.10		
36	96.32	17.47			
			.10		
38	95.97	17.57			
			.11		
40	95.60	17.68			
			.14		
42	95.11	17.82			





HOLE B-332  
19





TEMPERATURE - DEPTH LOG

Location 2 ~~1/2~~ miles NE of Copper Ranch Mine Date 7 June 77  
 Map Milford, Utah 7.5"  
 Property \_\_\_\_\_ T 275 R 11W sec 9 NW 1/4 N8 1/4  
 Drill Hole B-332 Date Drilled \_\_\_\_\_ Elevation 5300 ft.  
 Instrument #39 Operator DAE  
 Comments 3 1/4" water filled PVC mineral exploration

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
2	110.63	13.64			Drilled in Quartz Monzonite
			2.33		
4	120.15	11.31			
			.70		
6	117.22	12.01			
			.97		
8	112.87	13.08			
			.91		
10	109.26	13.99			
			.57		
12	107.06	14.56			
			.30		
14	105.91	14.86			
			.26		
16	104.92	15.12			
			.27		
18	103.89	15.39			
			.29		
20	102.82	15.68			
			.30		
22	101.72	15.98			
			.27		
24	100.71	16.25			
			.28		
26	99.70	16.53			
			.25		
28	98.80	16.78			
			.27		
30	97.84	17.05			
			.20		
32	97.12	17.25			
			.12		
34	96.68	17.37			
			.10		
36	96.32	17.47			
			.10		
38	95.97	17.57			
			.11		
40	95.60	17.68			
			.14		
42	95.11	17.82			



11 12 13 14 15 16 17 18 19

0

HOLE ———

10

20

30

40

50

60

DEPTH  
METERS

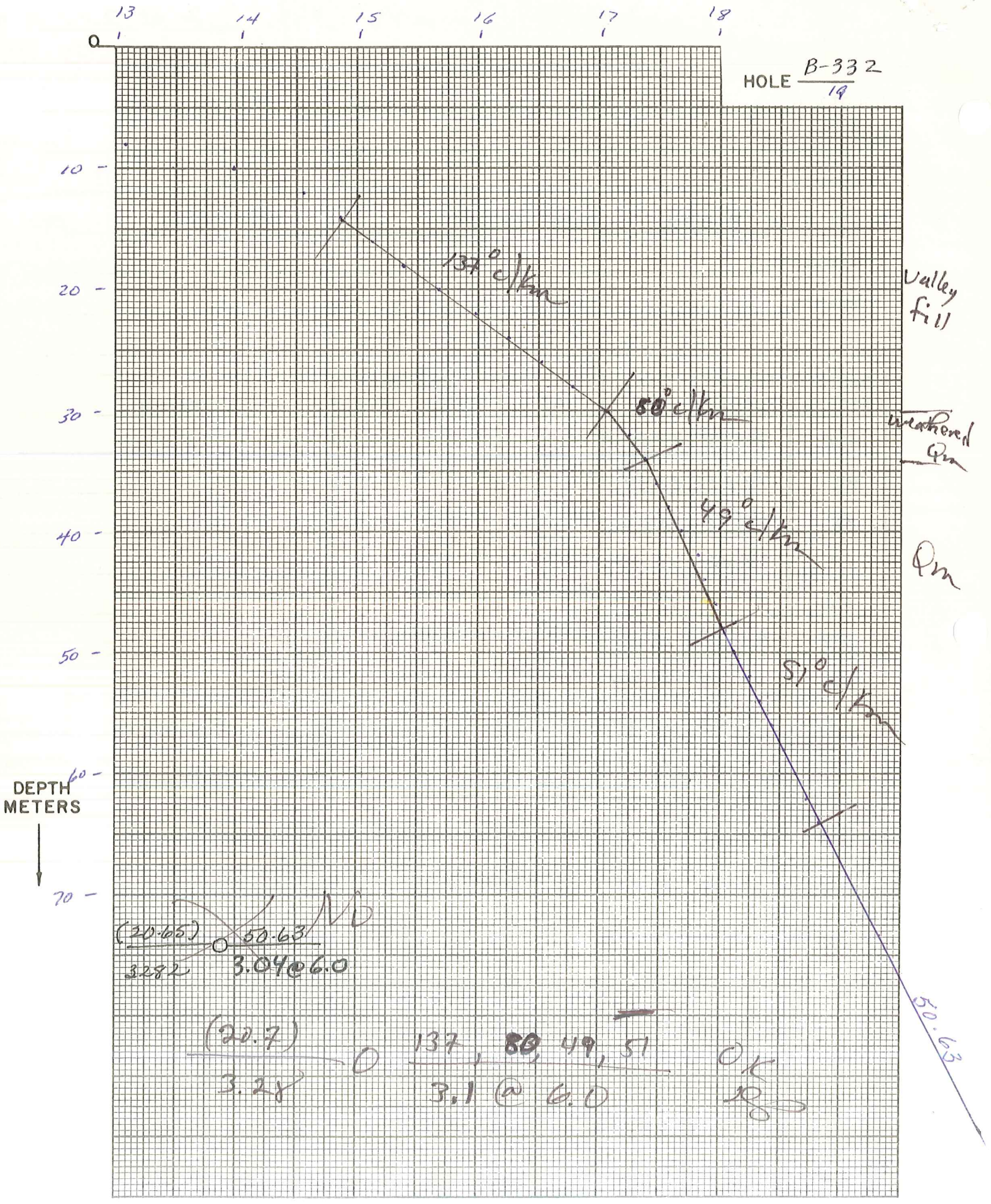


TEMPERATURE °C ———>





HOLE B-332  
19



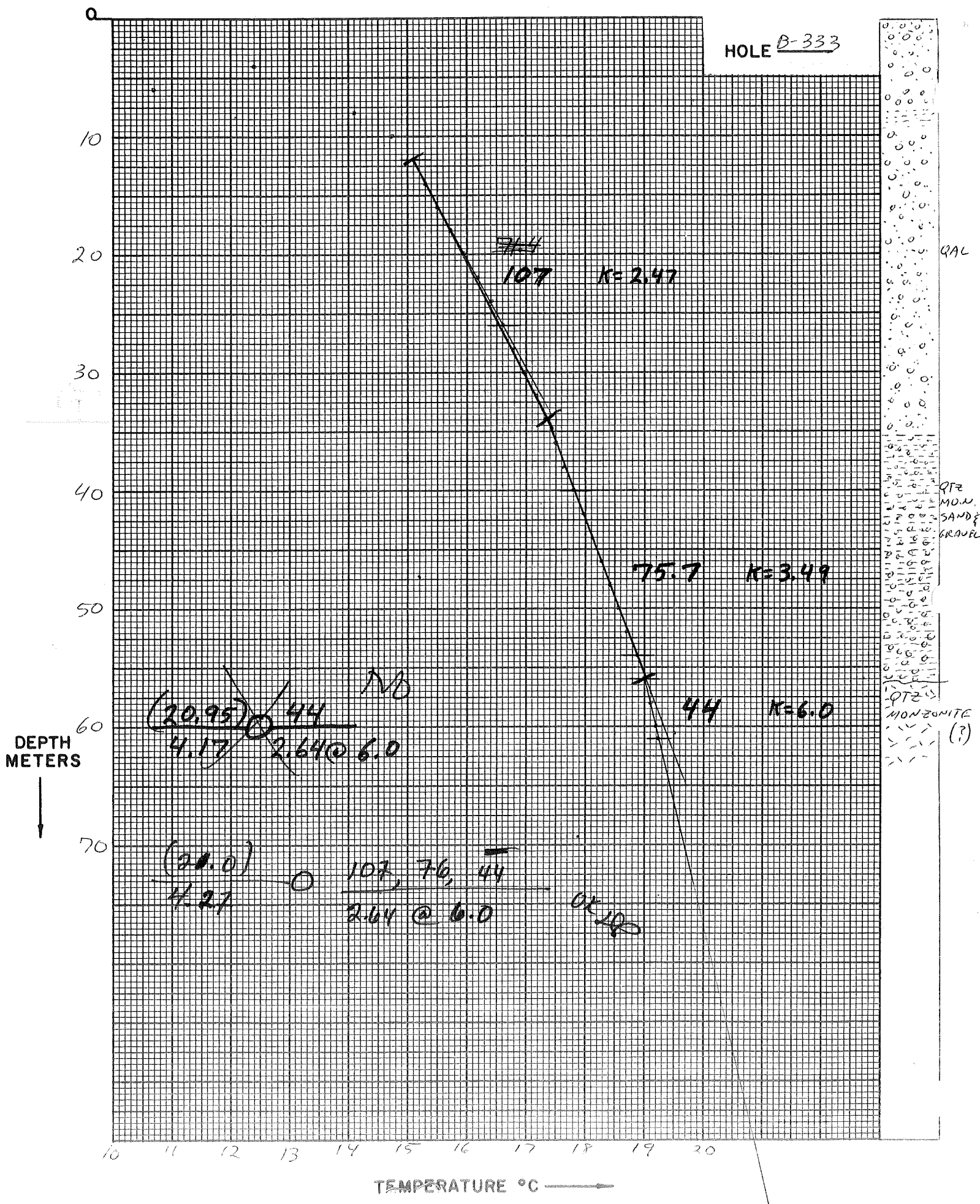








HOLE B-333





Date Logged: June 13, 1977

ΔT Well No. B 333

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
4	115.62	12.40				H <sub>2</sub> O	GAL.
6	122.76	10.70					↓
8	108.81	14.11					
10	106.36	14.75					
12	105.01	15.10	.35	175			
14	104.17	15.32	.22	110			
16	103.47	15.51	.19	95			
18	102.65	15.73	.22	110			
20	101.88	15.94	.21	105	°C/km		
22	101.04	16.17	.23	115			
24	100.13	16.41	.24	120			
26	99.45	16.60	.21	105			
28	98.76	16.79	.19	95			
30	98.13	16.97	.18	90			
32	97.42	17.29	.20	100			
34	96.84	17.33	.16	80			
36	96.24	17.50	.17	85			QTZ MONZONITE ALTERED TO SAND, GRAVEL & CLAY
38	95.70	17.65	.15	75			↓
40	95.17	17.81	.16	80			
42	94.57	17.98	.17	85			
44	94.06	18.13	.15	75			
46	93.55	18.27	.14	70			
48	93.04	18.42	.15	75			
50	92.57	18.56	.14	70			
52	92.03	18.72	.16	80			
54	91.51	18.87	.15	75			
56	91.04	19.01	.14	70	6.0 #		QTZ MONZONITE (?)

87.97  
79.40  
8.57  
20  
171.90

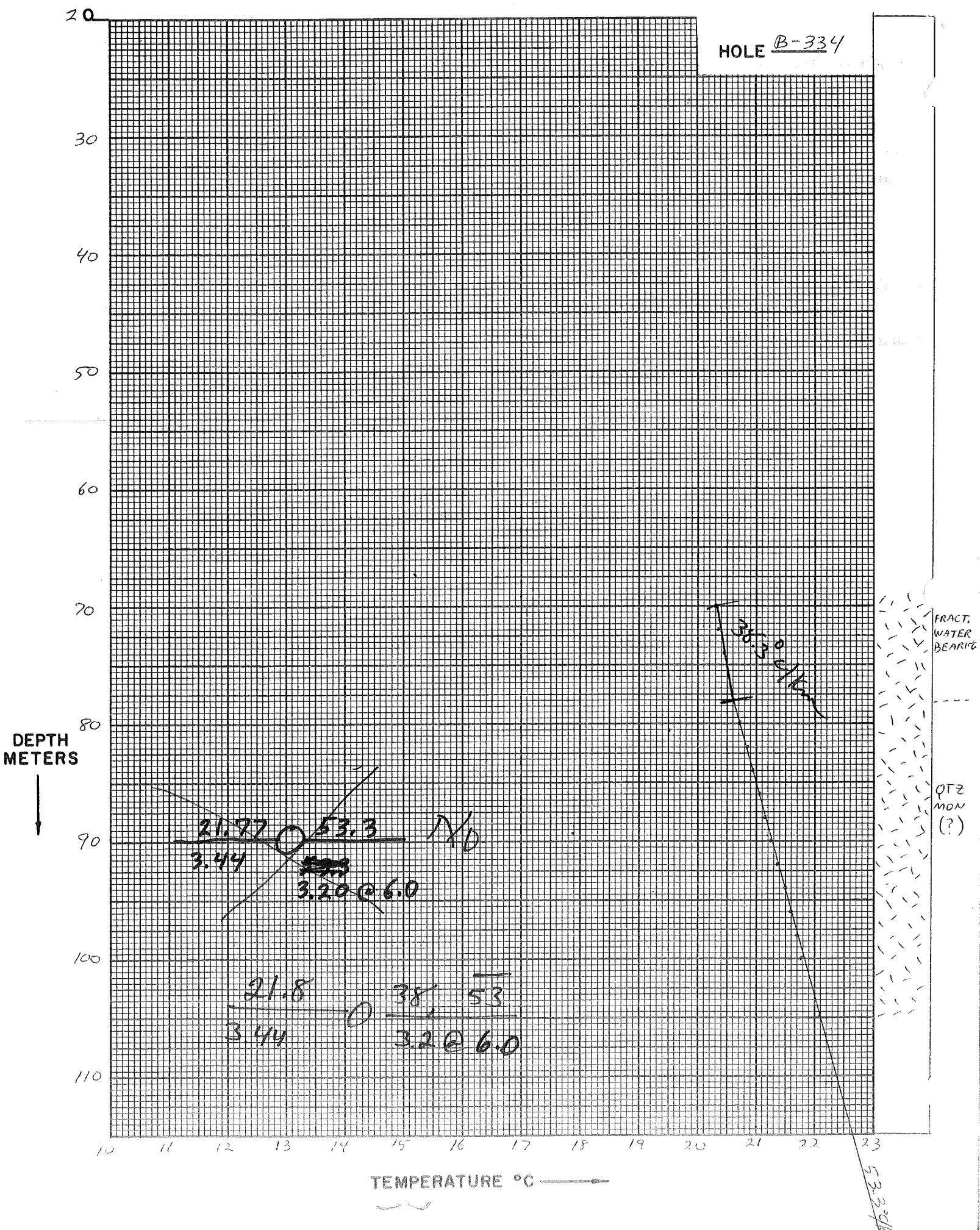
K=Conductivity







HOLE B-334



FRACT. WATER BEARING

QTZ MON (?)

53.3 @ 6.0





TEMPERATURE DEPTH LOG

ΔT Well No. B-335

Property-Project 755 Depth Logged 100-410m

Map PINNACLE PASS Scale 7.5 Date: Drilled MAR-77 Logged 15-JUNE-77

State UT. County BEAVER Section 33 NE 1/4 NW 1/4 T 26 S R 9 W

Instrument #39 Operator JED Elevation 5700 ft.

Comments 2" STEEL PIPE, WATER FILLED TO ~ 170m. PROBABLY BOTTOMED IN QTZ MONZONITE

COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No				Well No						Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5									3	3	5	7	5	7	7				C

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																Operator				Editor			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																
1	.	0	K	M	W	O	F	P	H	2	L	P	S	W	E	L	L	8	2	-	3	3	J	E	D							D	P																						

**Card B**

Scale Unit		Map Size		Map Location Δ																													
in	cm	(7.5, 15, 60)	N Lat		W Long																												
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50				
Degree		Min		Degree		Min																											
C	M			7	.	5	3	8	.	3	0	.	1	1	.	5	2	.															

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing						Easting						Elev																					
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				
					4	.	9										1	.	1	5	7	0	0										

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	100.0	200.0		
D	330.0	420.0	-5.5	-.5
E				
F				
G				

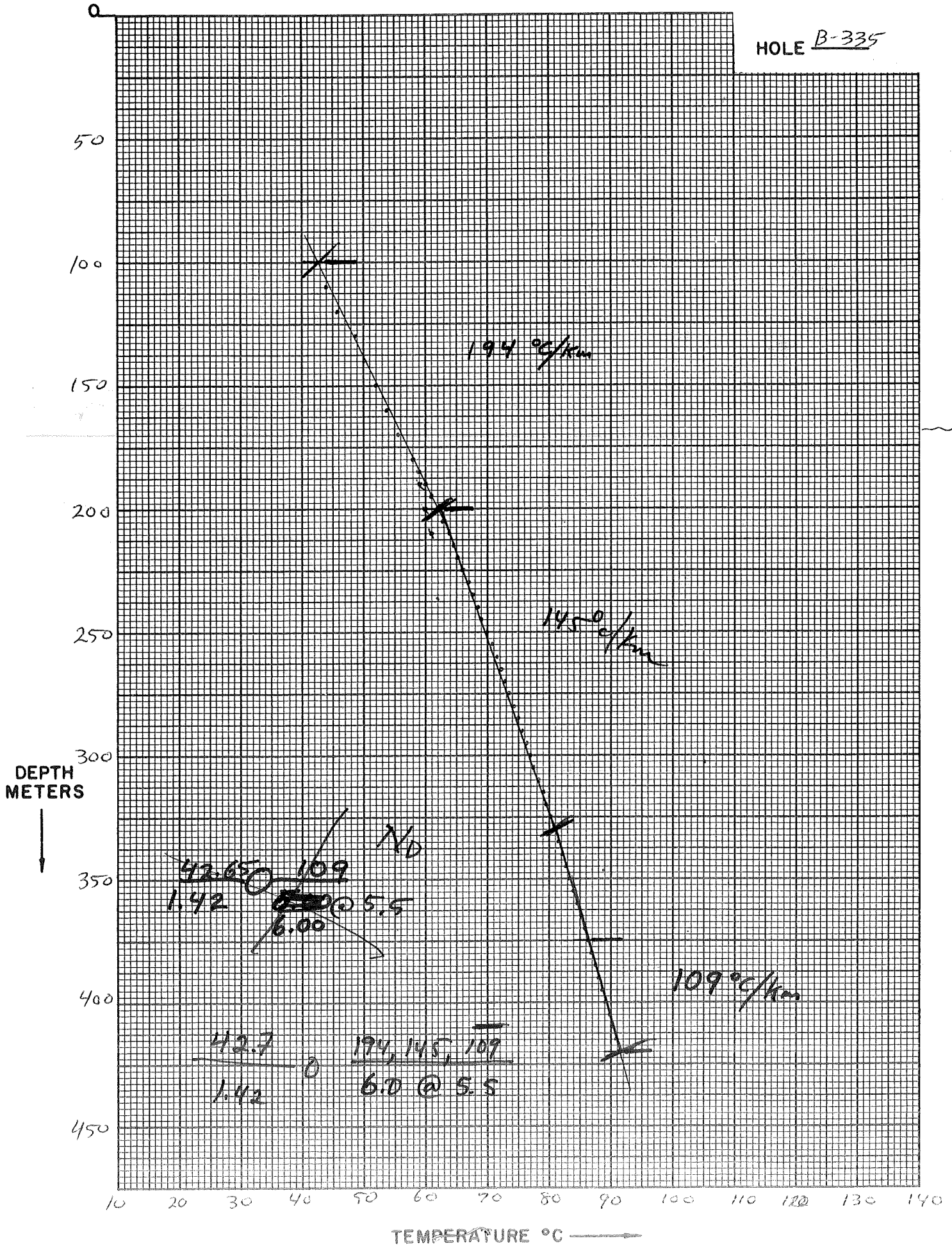
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	200.0	330.0		
D	.999			
E				
F				
G				

Final Segment: Start = .999



HOLE B-335



Date Logged: 15-JUNE-77ΔT Well No. B-335

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
100	37.25	42.65	1.38				
110	35.35	44.03	1.79				
120	33.05	45.82	1.89				
130	29.66	48.71	1.47				
140	28.08	50.18	1.72				
150	26.34	51.90	1.91				
160	24.55	53.81	1.67				
170	23.09	55.48	1.68				
180	20.94	58.16	.85				
185	20.30	59.01	1.07				
190	19.535	60.08	0.96				
195	18.871	61.04	0.98				
200	18.214	62.02	0.77				
205	17.725	62.79	0.98				
210	17.117	63.77	0.77				
215	16.653	64.54	0.86				
220	16.153	65.40	0.77				
225	15.717	66.17	0.74				
230	15.313	66.91	0.78				
235	14.903	67.69	0.76				
240	14.509	68.45	0.75				
245	<del>13</del> 14.133	69.20	0.75				
250	13.770	69.95	0.74				
255	13.423	70.69	0.72				
260	13.092	71.41	0.73				
265	12.768	72.14	.69				
270	12.469	72.83					

K=Conductivity



Date Logged: 15-JUNE-77 $\Delta$ T Well No. B-335

Depth (meters)	Instr. Reading	Temp. °C	$\Delta$ T	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
275	12174	73.53	0.70				
280	11886	74.23	0.70				
285	11688	74.92	0.69				
290	11342	75.60	0.68				
295	11029	76.30	0.70				
300	10839	76.95	0.65				
305	10604	77.60	0.65				
310	10.370	78.26	0.66				
315	10.148	78.91	0.65				
320	9.928	79.57	0.66				
325	9.710	80.24	0.67				
330	9.514	80.85	0.61				
335	9.318	81.48	0.63				
340	#9.125	82.12	0.64				
345	8.942	82.73	0.61				
350	8.757	83.37	0.64				
355	8.585	83.98	0.61				
360	8.416	84.59	0.61				
365	8.251	85.20	0.61				
370	8.098	85.78	0.58				
375	7.939	86.39	0.61				
380	7.790	86.98	0.59				
385	7.649	87.55	0.57				
390	7.510	88.12	0.57				
395	7.377	88.68	0.56				
400	7.251	89.22	0.54				
405	7.123	89.78	0.56				

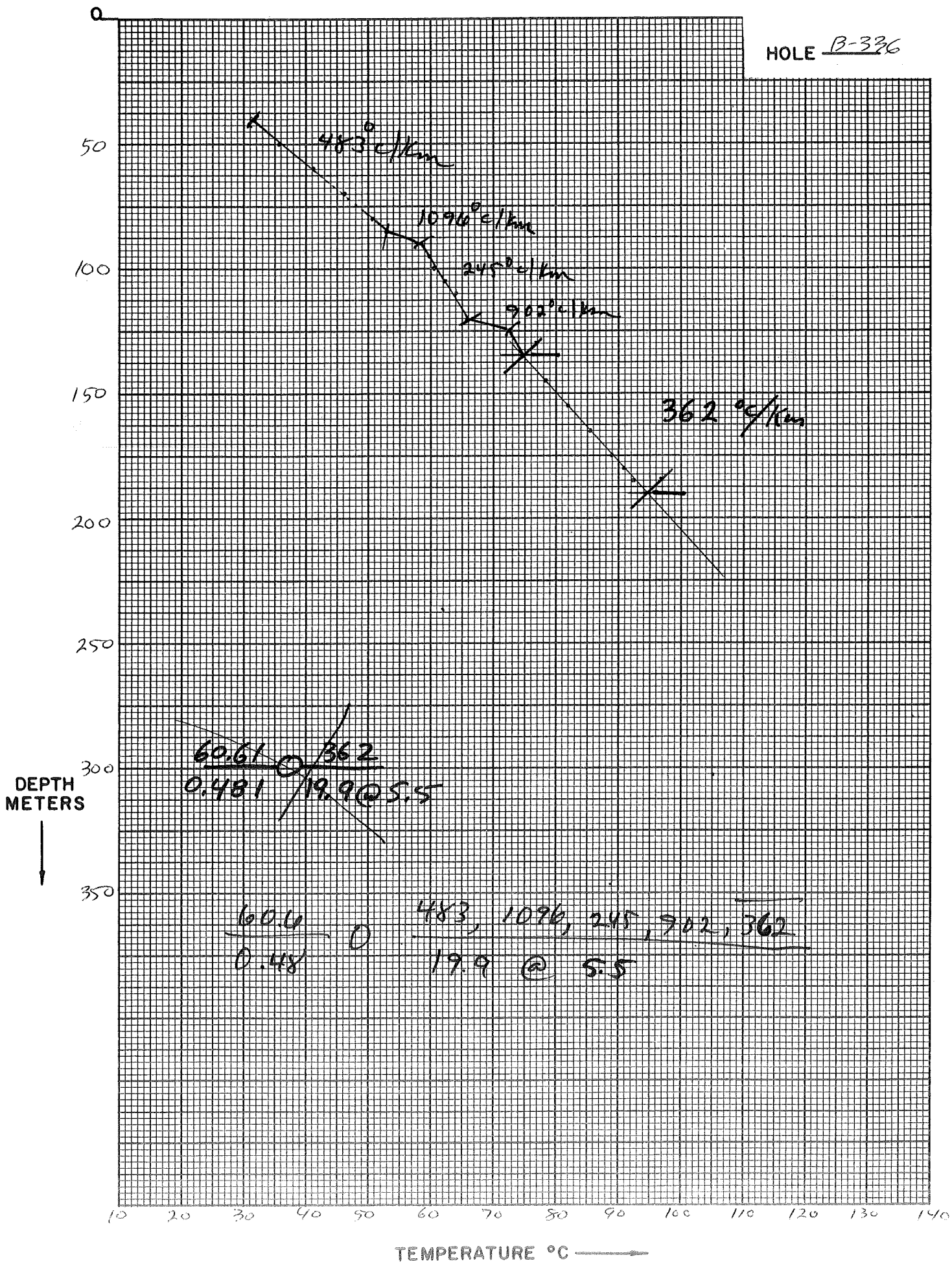
K=Conductivity







HOLE B-336





Date Logged: 15 June 77

ΔT Well No. B-336

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
40	57.53	31.21				AIR	
			4.66	466			
50	48.18	35.87					
			5.45	545			
60	39.18	41.32					
			4.92	492			
70	<del>32.54</del> 39.54	46.24					
			4.43	443			
80	27.57	50.67					5 <sup>th</sup> first reading in water @ 80*
			2.26	452			
85	25.36	52.93					
			5.48	1096			
90	20.75	58.41					
			1.37	274			
95	19.750	59.78					
			.93	166			
100	19.163	60.61					
			1.77	354			
105	17.985	62.38					
			1.54	308			
110	17.025	63.92					
			1.83	183			
120	15.954	65.75					
			4.51	902			
125	13.625	70.26					
			4.30	430 <del>860</del>			
135	11.750	74.56					
			3.82	382			
145	10.330	78.38					
			3.53	353			
155	9.188 <sup>7</sup>	81.91				H <sub>2</sub> O	READINGS IN H <sub>2</sub> O
			3.59	359			
165	8.172	85.50					
			3.49	349			
175	7.305	88.99					
			1.81	362			
180	6.897	90.80					
			1.83	366			
185	6.512	92.63					
			1.85	370			
190	6.147	94.48					
195	5.825						
200	5.508						
205	5.215						
210	4.940						
215	4.702						
220	4.484						

K=Conductivity

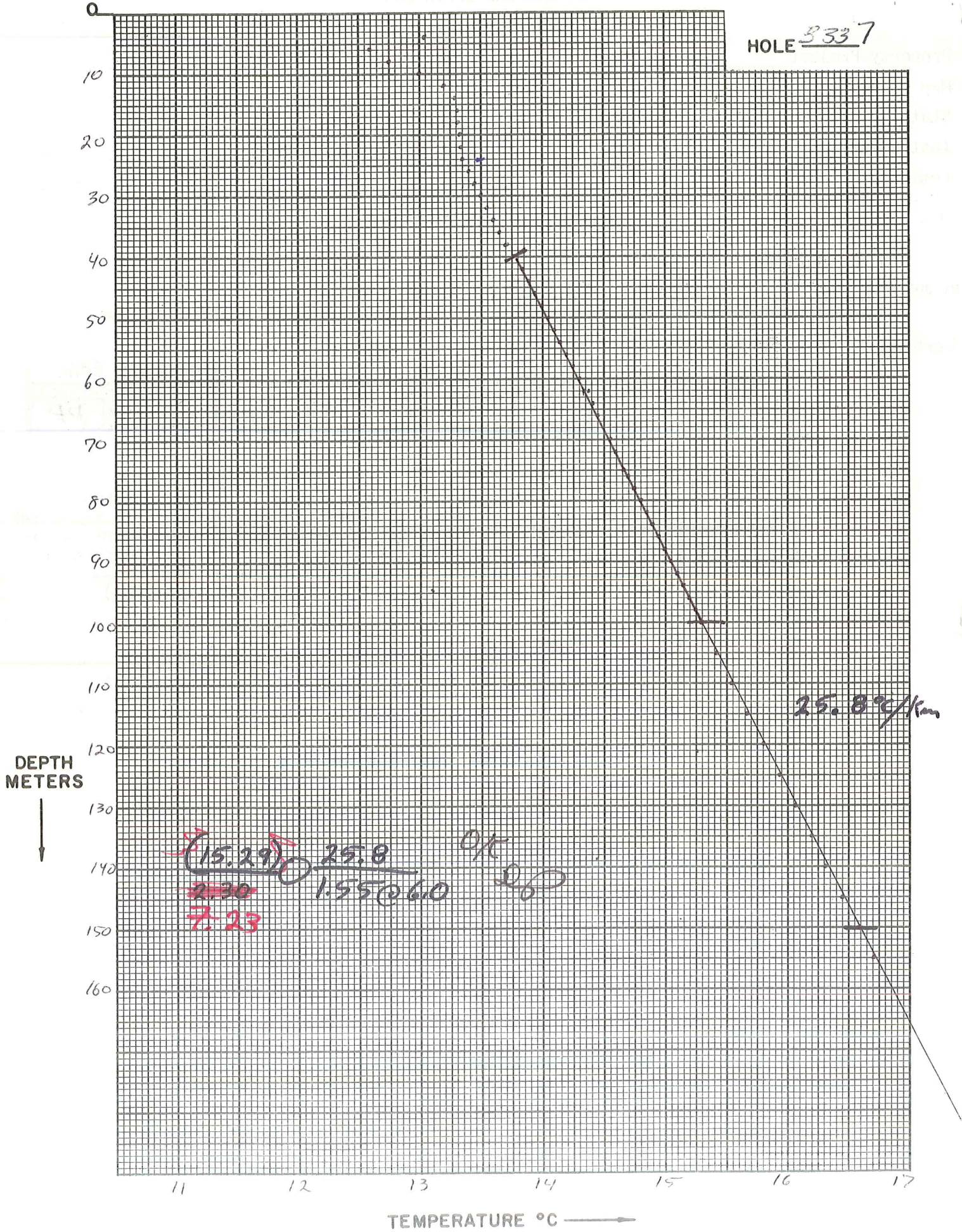








HOLE 3337



DEPTH METERS



TEMPERATURE °C →



Date Logged: 17-JUNE-77 $\Delta T$  Well No. B-337

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
2	99.71	16.53					
4	113.09	13.03					
6	114.81	12.60					
8	114.24	12.74					
10	113.26	12.99					
12	112.45	13.19	0.20	100			
14	112.10	13.28	0.09	45			
16	111.93	13.32	0.04	20			
18	111.91	13.32	0.00	0			
20	111.90	13.33	0.01	5			
22	111.86	13.34	0.01	5			
24	111.75	13.36	0.02	10			
26	111.58	13.41	0.05	25			
28	111.41	13.45	0.04	20			
30	111.24 <sup>3</sup>	13.49	0.04	20			
32	111.00	13.55	0.06	30			
34	110.81	13.60	0.05	25			
36	110.57	13.66	0.06	30			
38	110.38	13.71	0.05	25			
40	110.15	13.77	0.06	30			
42	109.92	13.83	0.06	30			
44	109.71	13.88	0.05	25			
46	109.50	13.93	0.05	25			
48	109.29	13.99	0.06	30			
50	109.09	14.04	0.05	25			
52	108.89	14.09	0.05	25			
54	108.68	14.14	0.05	25			

K=Conductivity

Date Logged: \_\_\_\_\_

 $\Delta T$  Well No. B-337

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
56	108.48	14.20	0.06	30			
58	108.28	14.25	0.05	25			
60	108.08	14.30	0.05	25			
6 <sup>2</sup>	107.78	14.38	0.08	40			
65	107.59	14.42	0.04	20			
66	107.50	14.45	0.03	<del>30</del>			
70	107.10	14.55	0.10	<del>25</del>			
72	106.90	14.60	0.05	25			
75	106.65	14.67	0.07	35			
76	106.53	14.70	0.03	<del>30</del>			
78	106.34	14.75	0.05	25			
80	106.17	14.79	0.04	20			
82	105.99	14.84	0.05	25			
84	105.81	14.89	0.05	25			
86	105.60	14.94	0.05	25			
88	105.42	14.99	0.05	25			
90	105.24	15.04	0.05	25			
92	105.04	15.09	0.05	25			
94	104.87	15.14	0.05	25			
96	104.67	15.19	0.05	25			
98	104.48	15.24	0.05	25			
100	104.29	15.29	0.05	25			
105	103.81	15.42	0.13	<del>65</del> 26			APPROX WATER LEVEL,
110	103.33	15.55	0.13	<del>65</del> 26			
115	102.85	15.67	0.11	<del>55</del> 22			
120	102.35	15.81	0.14	<del>70</del> 28			
125	101.89	15.93	0.12	<del>60</del> 24			

K=Conductivity









# TEMPERATURE DEPTH LOG

ΔT Well No. B338

Property-Project Best Depth Logged 90m  
 Map Adamsville Scale 15" Date: Drilled \_\_\_\_\_ Logged 12 July 77  
 State Utah County Beaver Section ~~NW 1/4~~ NW 1/4 T 275 R 9W  
 Instrument #39 Operator DAB Elevation 5920 ft.  
 Comments #1" water filled PVC

## COMPUTER PROCESSING

RT JUSTIFY: \* 19- Write F if Fahrenheit, 20- Write F if Feet

Proj No										Well No										Date Logged										*
										DA		MO		YR																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20											
775					8338												CM													

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																				
5.3 KM										WEST										TWIN FLAT										DAB					DP																								

Card B

Scale Unit										Map Size										Map Location <sup>Δ</sup>																			
in					cm					(7.5, 15., 60)					N Lat					W Long																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CM										15.					33.0					113.00																			

Use decimals

Northing										Easting										Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
27.3										17.1										F																			

← Write M if meters

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	10.0	24.0		
D	36.0	50.0	-5.0	.5
E	.999			
F				
G				

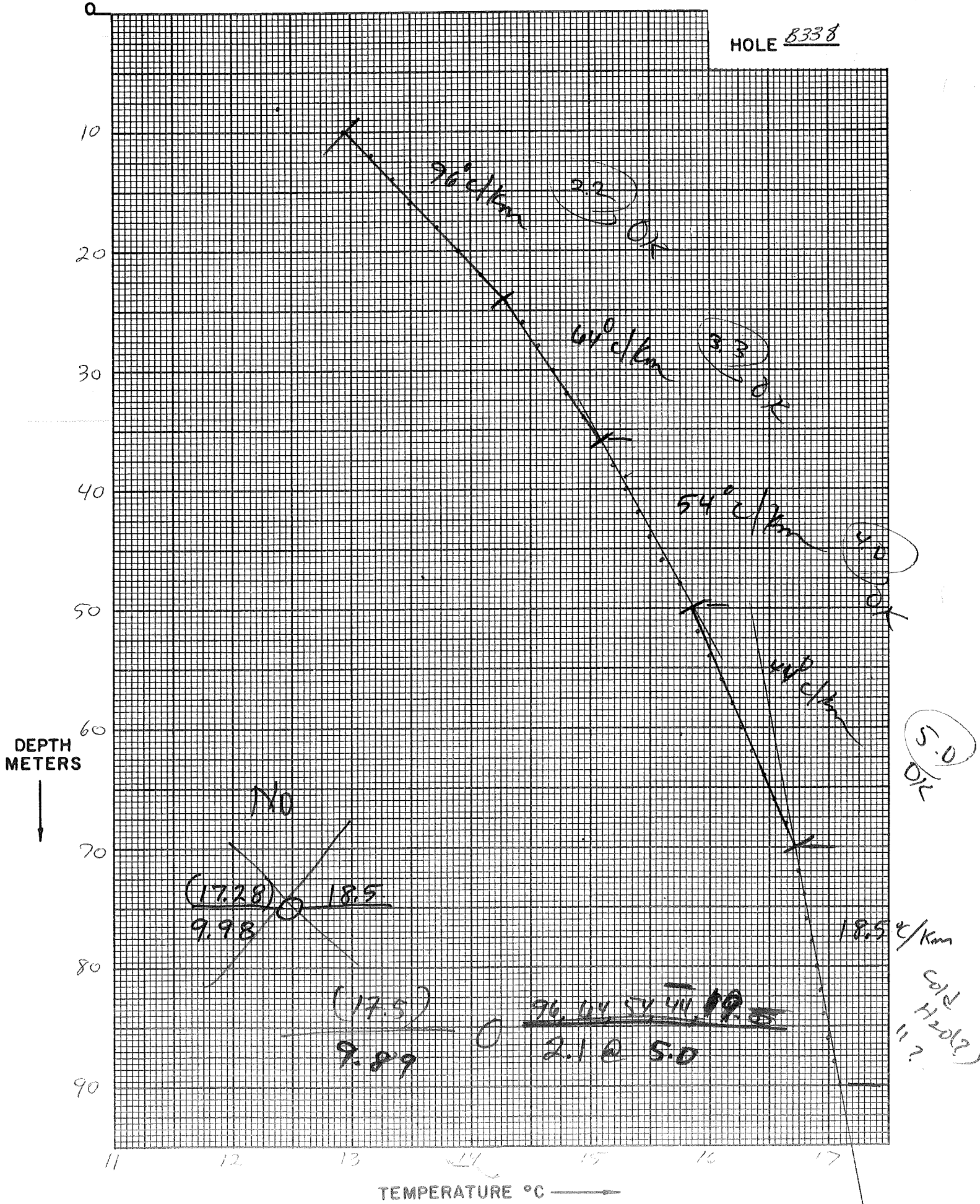
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	24.0	36.0		
D	50.0	90.0	-5.0	.5
E				
F				
G				

Final Segment: Start = .999

4,279

HOLE 8338





Date Logged: 12-JULY-77ΔT Well No. B338

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
<del>8</del> 7	115.73	12.38					
10	113.49	<del>12.93</del> 12.34	.55	275			
12	112.53	13.17	.24	120			
14	111.84	13.34	.17	85			
16	111.20	13.50	.16	80			GRADIENT 70-90m
18	110.35	13.72	.22	110			18.5 °C/km
20	109.63	13.90	.18	90			1.01 °F/100 Ft.
22	108.93	14.08	.18	90			
24	108.17	14.27	.19	95			
26	107.55	14.43	.16	80			
28	107.02	14.57	.14	70			
30	106.59	14.68	.11	55			
32	106.10	14.81	.13	65			
34	105.59	14.94	.13	65			
36	105.08	15.08	.12	60			
38	104.66	15.19	.08	40			
<del>40</del> 40	104.23	15.30	.11	55			
42	103.87	15.40	.10	50			
44	103.50	15.50	.10	50			
46	103.08	15.61	.11	55			
48	102.61	15.74	.13	65			
50	102.24	15.84	.10	50			
52	101.96	15.91	.07	35			
54	101.63	16.00	<del>.08</del> .09	45			
56	101.32	16.09	.09	45			
58	<del>100.99</del> 101.99	16.18	.09	45			
60	100.66	16.27	.09	45			

K=Conductivity





TEMPERATURE DEPTH LOG

B339  
 ΔT Well No. B7 B338  
 Property-Project Best Depth Logged 12 July 77  
 Map Adamsville Scale 15" Date: Drilled \_\_\_\_\_ Logged 12 July 77  
 State Utah County Brewer Section 25 SW 4 NE 4 T 27 S R 10 W  
 Instrument #39 Operator DAB Elevation 5360 ft.  
 Comments 1" water filled PVC

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No		Well No		Date Logged																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
775		338		9															CM	

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																				Operator		Editor																	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
9.8 KM WEST OF ADAMSVILLE TWIN FLAT																				DAB		DP																	

Card B

Scale Unit		Map Size		Map Location $\Delta$				N Lat		W Long																											
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50								
CM		15		33.1				53.1		113																											

Use decimals

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
33.1					13.1					5520					F														

Use decimals

$\Delta$  Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Write M if meters

	SEGMENT DEPTH		K	$\Delta K$
	Start	End		
C	10.0	28.0		
D	48.0	72.0		
E	.999			
F				
G				

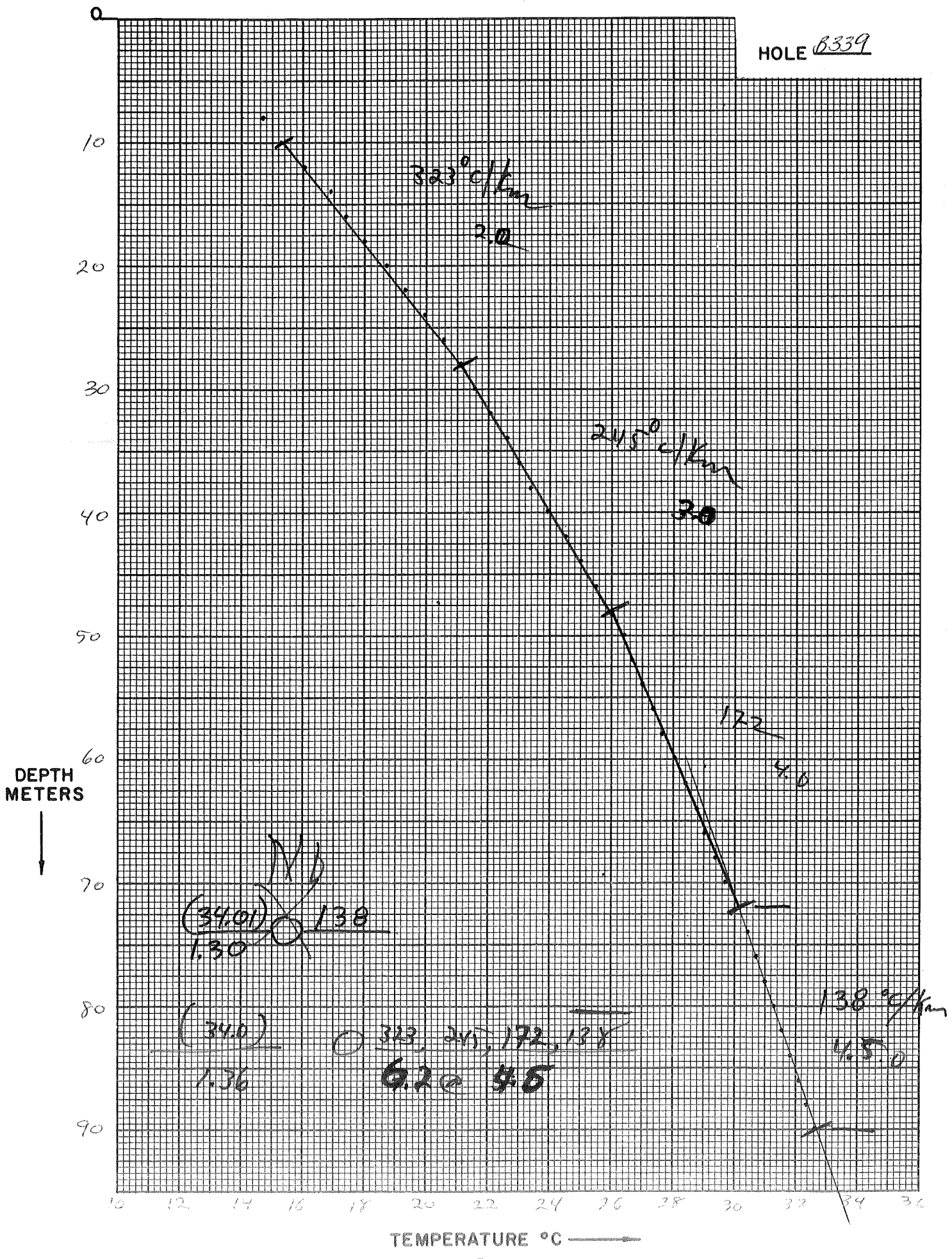
Continue each card below.

	SEGMENT DEPTH		K	$\Delta K$
	Start	End		
C	28.0	48.0		
D	72.0	90.0	-4.5	-.5
E				
F				
G				

Final Segment: Start = .999

25-27, 10

HOLE B339





Date Logged: 12 July 77

ΔT Well No. B339

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
8	106.50	14.71	.59	295			
10	104.23	15.30	.74	370			
12	101.49	16.04	.87	435			GRADIENT 72-90m
14	98.33	16.91	.49	245			138°C/km
16	96.59	17.40	.62	310			7.57°F/100ft.
18	94.40	18.02	.73	365			
20	<sup>92</sup> <del>91.38</del>	<sup>18.75</sup> <del>18.93</del>	.91	280			
22	90.03	19.31	.56	310			
24	87.99	19.93	.62	320			
26	85.93	20.57	.64	270			
28	84.24	21.11	.54	230			
30	82.79	21.57	.46	240			
32	81.32	22.05	.48	270			
34	79.69	22.59	.54	210			
36	78.46	23.01	.42	205			
38	77.26	23.42	.41	255			
40	75.80	23.93	.51	300			
42	74.10	24.53	.60	260			
44	72.67	25.05	.52	225			
46	71.45	25.50	.45	255			
48	70.07	26.01	.51	185			
50	69.10	26.38	.37	140			
52	68.38	26.66	.28	190			
54	67.42	27.03	.38	160			
56	66.63	27.35	.32	155			
58	65.83	27.66	.31	210			
60	64.80	28.08	.42				

K=Conductivity





TEMPERATURE DEPTH LOG

ΔT Well No. 340  
~~B 400~~

Property-Project Best Depth Logged 12 July 77  
Map Adamsville Scale 15" Date: Drilled \_\_\_\_\_ Logged 108m  
State Utah County Bender Section 1 NE 1/4 NW 1/4 T 28 S R 10 W  
Instrument #39 Operator DAB Elevation 6120 ft.  
Comments 1" water filled PVC

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No										Well No										Date Logged																																							
→										→										DA MO YR *																																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
775										B <del>400</del>										340																																							
																			CM										* 19- Write F if Fahrenheit, 20- Write F if Feet																														

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80					
10 RM WEST																																																							DAB					/ DP				

Card B

Scale Unit										Map Size										Map Location Δ																			
in cm										(7.5, 15., 60)										N Lat Degree Min W Long Degree Min																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)									
0.1										15										37. 13.																			
										Use decimals																													

Northing										Easting										Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	Write M if meters ←									
										28.5										10.1																			
										Use decimals																													

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	18.0	30.0		
D	48.0	54.0		
E	58.0	80.0		
F	.999			
G				

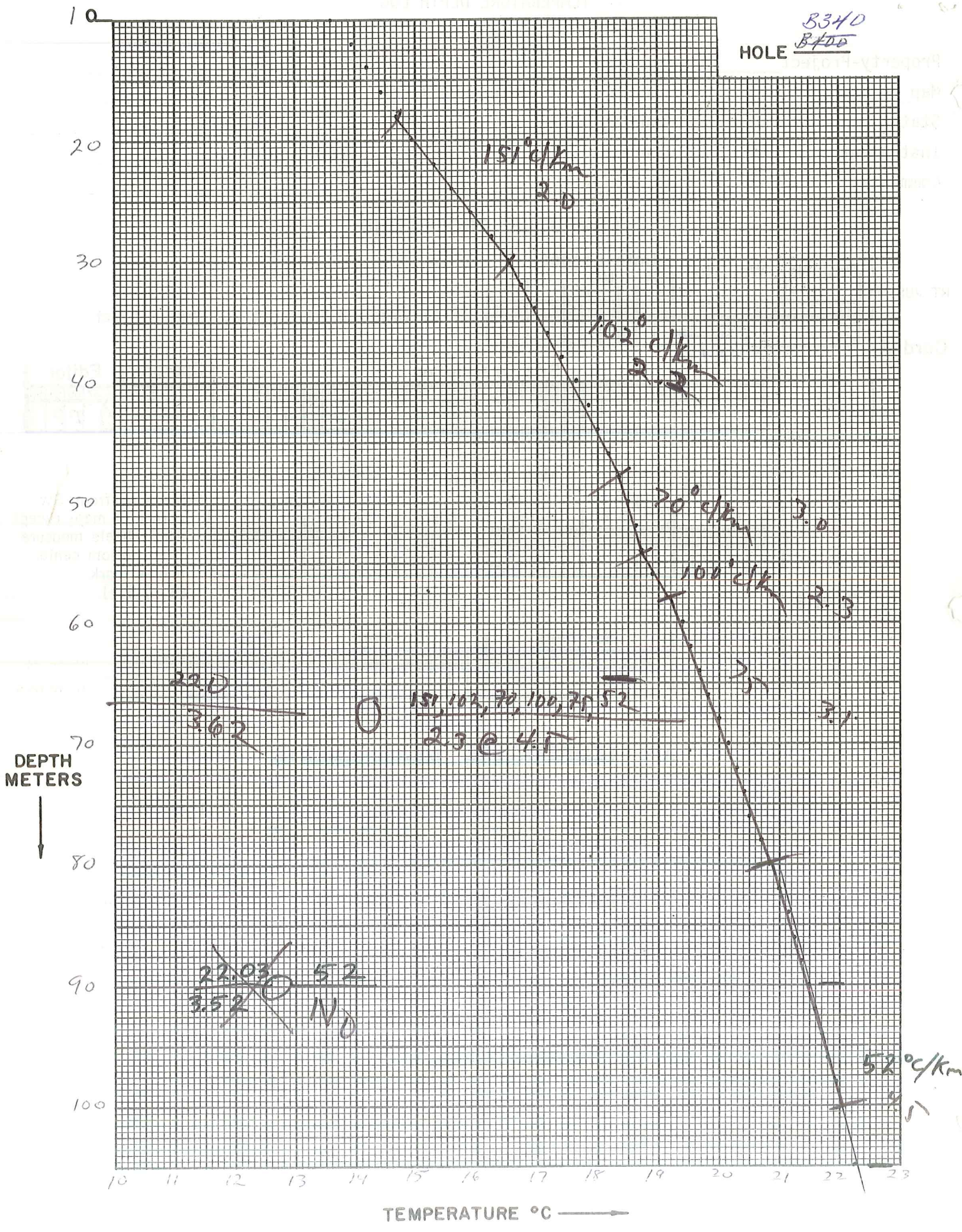
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	30.0	48.0		
D	54.0	58.0		
E	80.0	108.0		
F			-4.5	-.5
G				

Final Segment: Start = .999



HOLE B340  
B#00





Date Logged: 12 July 77

B340  
 ΔT Well No. ~~8700~~

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
8	113.38	12.95	.65	325			
10	110.79	13.60	.35	175			
12	109.43	13.95	.25	125			
14	108.44	14.20	.23	115			
16	107.57	14.43	.27	135			
18	106.54	14.70	.25	125			
20	105.55	14.95	.35	175			
22	104.24	15.30	.31	155			
24	103.10	15.61	.31	155			
26	101.95	15.92	.32	160			
28	100.77	16.24	.28	140			
30	99.73	16.52	.23	115			
32	98.89	16.75	.21	105			
34	98.15	16.96	.22	110			
36	97.37	17.18	.22	110			
38	96.60	17.40	.26	130			
40	95.66	17.66	.18	90			
42	95.04	17.84	.16	80			
44	94.47	18.00	.18	90			
46	93.88	18.18	.17	85			
48	93.28	18.35	.06	30			
50	92.80	18.49	.14	70			
52	92.33	18.63	.14	70			
54	91.84	18.77	.14	70			
56	91.37	18.91	.27	135			
58	90.46	19.18	.23	115			
60	89.70	19.41					

K=Conductivity









TEMPERATURE DEPTH LOG

Property-Project 755 Best ΔT Well No. 8341  
 Map Red Pinnacle Pass Scale 7.5" Date: Drilled          Logged 6 Aug 77  
 State Utah County Beaver Section 16 SW 1/4 NW 1/4 T 26 S R 9 W  
 Instrument # 41 Operator DAB Elevation 5400 ft.  
 Comments 2" steel pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No					Well No					Date Logged					* 19 - Write F if Fahrenheit, 20 - Write F if Feet				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16	17	18	19
755					341					08					C M				

Site Description

Site Description																																																		Operator					Editor				
SKM WEST PINNACLE PASS																																																		DAB					HOP				

SKM W PINNACLE PASS, UU76TGØ

Card B

Scale Unit		Map Size		Map Location Δ				W Long		Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)
in	cm	(7.5, 15, 60)	cm	N Lat		Degree		Min		
cm		7.5		38.30		112.52.5				

Use decimals

Northing					Easting					Elev					Write M if meters
23.7										5400.0					

Use decimals

has been changed to 35,

SEGMENT	SEGMENT DEPTH		K	ΔK
	Start	End		
C	15.0	25.0		
D	50.0	75.0	-5.0	-.5
E				
F				
G				

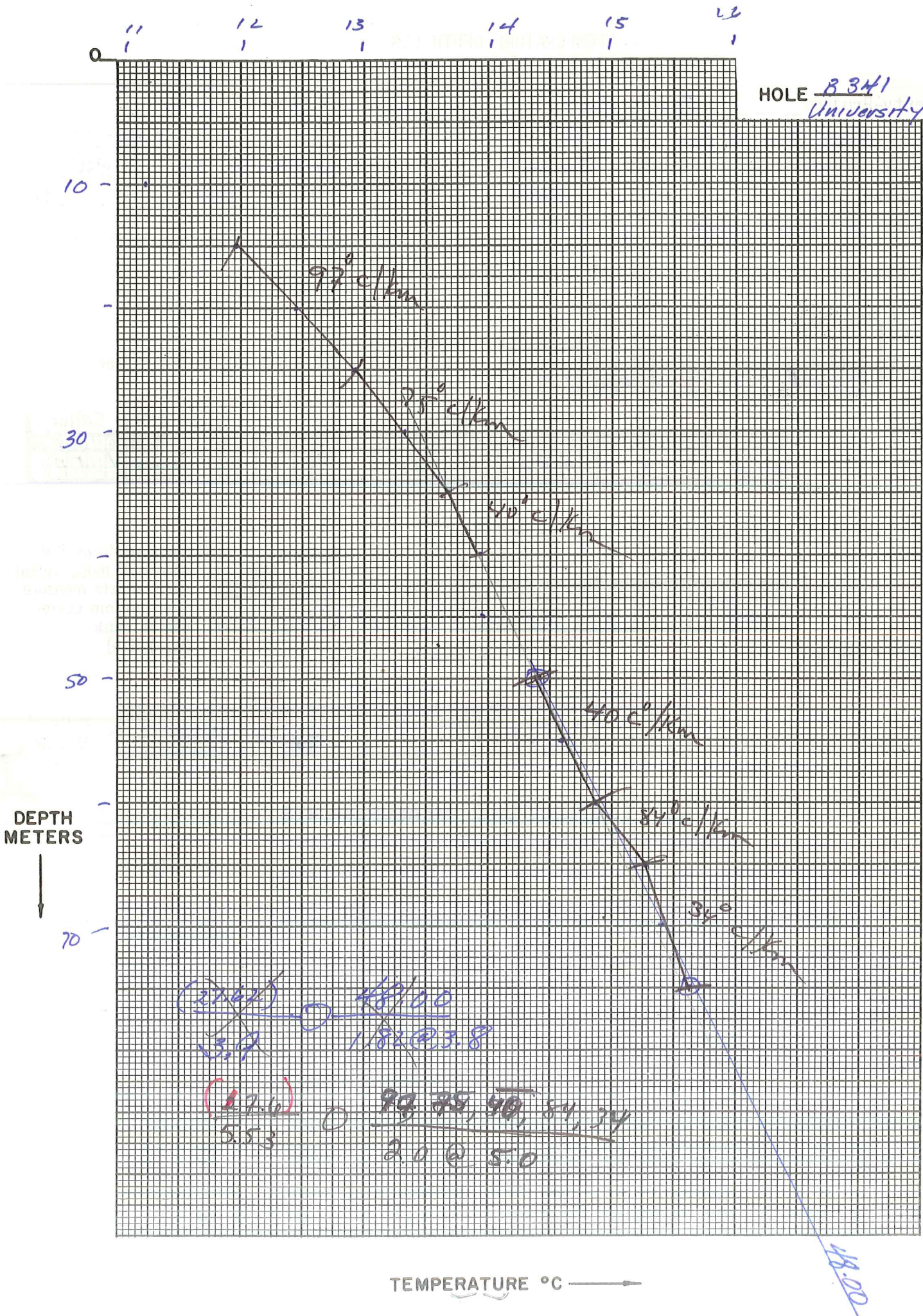
Continue each card below.

SEGMENT	SEGMENT DEPTH		K	ΔK
	Start	End		
C	25.0	35.0		
D	.999			
E				
F				
G				

Final Segment: Start = .999



HOLE B 341  
University

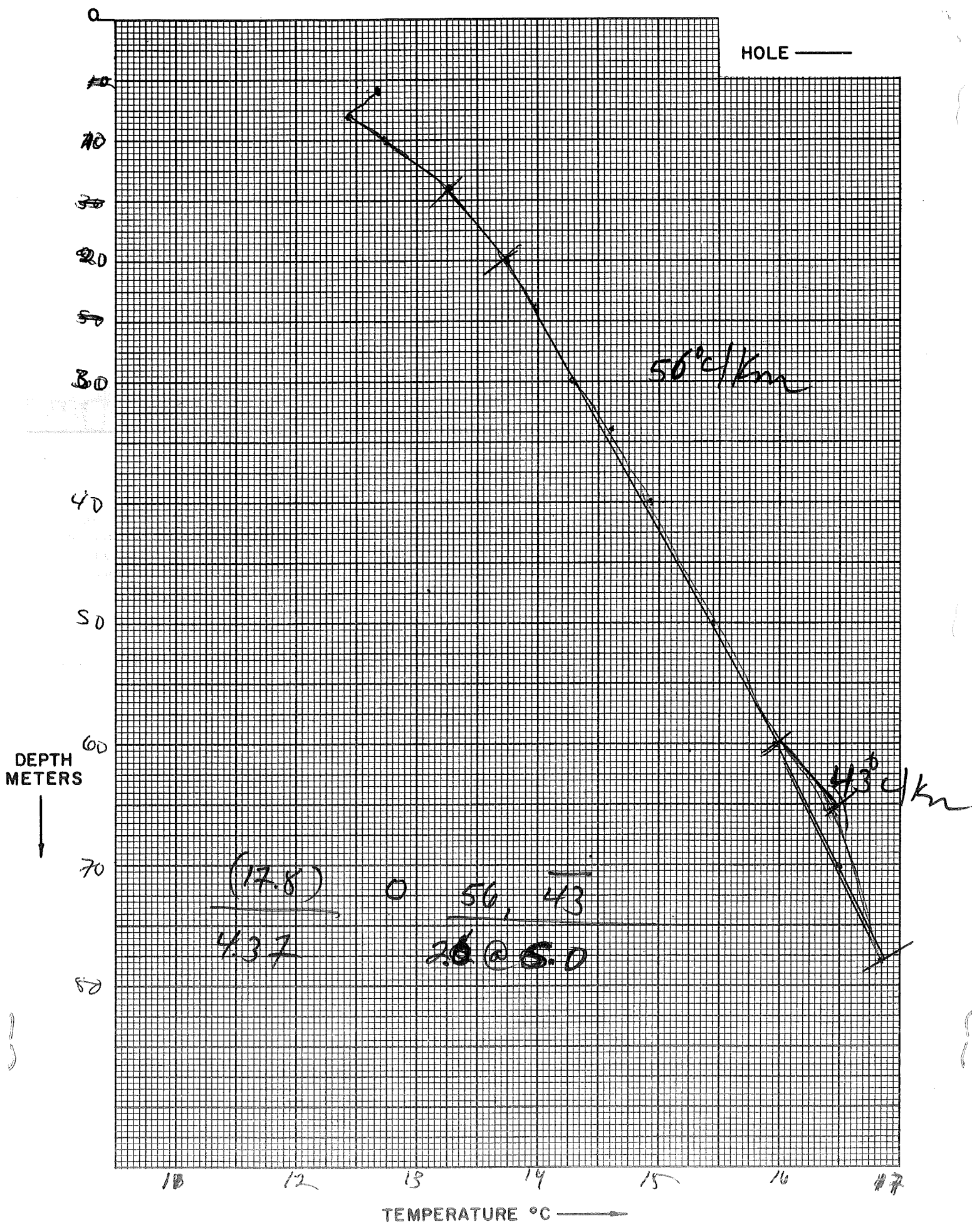














Date Logged: 20 Aug 77

ΔT Well No. B342  
 5N1 1/4 NE 1/4 sec 1 T315 R. 12W

*2 1/4 diam metal water filled pipe*

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
4	125.58	10.46					
6	133.66	12.69					
8	134.67	12.44					
10	133.43	12.74					
12	132.14	13.05					
14	131.23	13.27					
16	130.52	13.45					
18	129.93	13.59					
20	129.37	13.73					
22	128.81	13.86					
24	128.28	13.99					
26	127.77	14.12					
28	127.29	14.24					
30	126.79	14.26					
32	126.31	14.48					
34	125.83	14.60					
36	125.38	14.71					
38	124.92	14.82					
40	124.48	14.93					
42	124.07	15.03					
44	123.64	15.14					
46	123.22	15.25					
48	122.81	15.25					
50	122.39	15.45					
52	121.96	15.55					
54	121.55	15.67					
56	121.15	15.76					

K=Conductivity





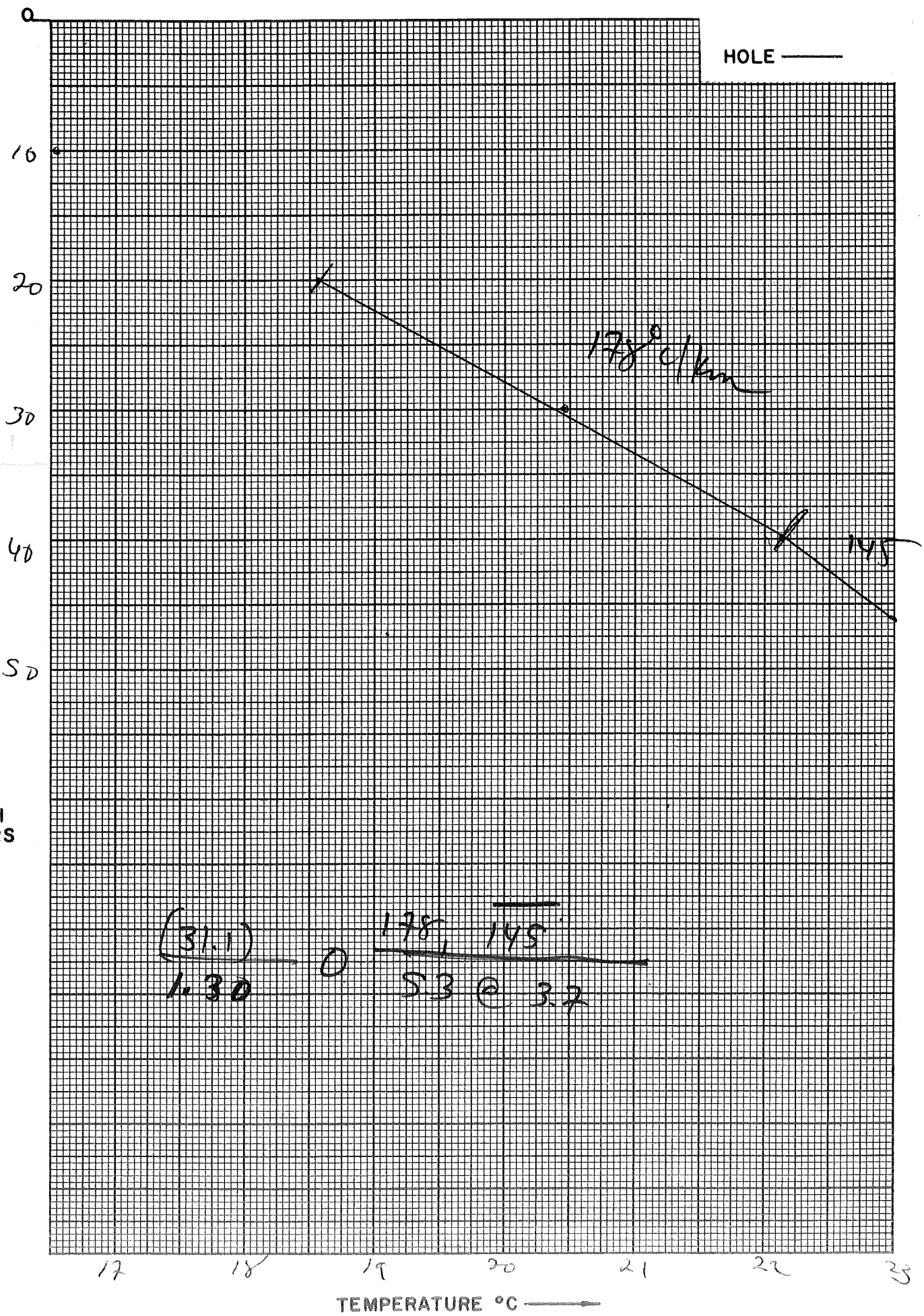








HOLE ———











# Process

## TEMPERATURE DEPTH LOG

Property-Project Fillmore Well No. B-344  
 Map Fillmore Scale 15' Date: Drilled — Logged —  
 State Utah County Millard Section SESE 35 T 22S R 6W  
 Instrument USGS Operator E. Rush Elevation 4790 ft.  
 Comments \_\_\_\_\_

### COMPUTER PROCESSING

RT JUSTIFY: → → → → \*

Proj No				Well No				Date Logged			*									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
S	1	9																	C	M

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																				Operator		Editor			
6	K	m																			E	R	A	D	P

Scale		Unit	Map Size		Map Location		N Lat		W Long	
in	cm		(7.5, 15, 60)		Degree	Min	Degree	Min	Degree	Min
C	M		15		33	45	11	12	30	00

△ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Card B

Northing					Easting					Elev				
1	7	0	0		1	0	8			4	7	9	0	

← Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	8.0	20.0	-5.0	-.5
D				
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	.999			
D				
E				
F				
G				

Final Segment: Start = .999











TEMPERATURE DEPTH LOG

Property-Project Best ΔT Well No. B-346  
 Map Thermo Depth Logged 29 m  
 State Utah Scale 15' Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_  
 County Beaver Section NE-SE 25 T 30S R 12W  
 Instrument — Operator E. Rush Elevation 5135 ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Date Logged

Proj No					Well No					DA			MO			YR			*
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
755					346														CM

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
5 km										E THERMO HS										ER					DP																																							

ER/DP

Scale Unit Map Location  $\Delta$

in					Map Size					N Lat					W Long														
cm					(7.5, 15, 60)					Degree					Min														
CM					15.					38.					00.					113.					15.				

$\Delta$  Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Card B

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
29.6										15.45										135.									

Write M if meters

SEGMENT DEPTH

	Start										End										K					$\Delta K$				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
C	11.0										32.0										-3.0					-.5				
D																														
E																														
F																														
G																														

Continue each card below.

SEGMENT DEPTH

	Start										End										K					$\Delta K$				
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
C	.999																													
D																														
E																														
F																														
G																														

Final Segment: Start = .999





TEMPERATURE DEPTH LOG

Property-Project Best ΔT Well No. B-347  
 Map Thermo Scale 15' Date: Drilled — Logged —  
 State Utah County Beaver Section NENW 34 T30S R11W  
 Instrument — Operator ERugh Elevation 5200 ft.  
 Comments —

COMPUTER PROCESSING

RT JUSTIFY: Date Logged

Proj No					Well No					Date Logged					*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*		
7	5	5			3	4	7						CIM		

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Card A

Site Description																																																		Operator					Editor				
10	km	E	Thermo	MS	ER	DP																																																					

*ER/DP*

Map Location  $\Delta$

Scale Unit		Map Size		N Lat		W Long	
in	cm	(7.5, 15, 60)	Degree	Min	Degree	Min	
cm		15	38	00	113	15	

Use decimals

$\Delta$  Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Card B

Northing										Easting										Elev									

Use decimals

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	11.0	38.0	-3.0	-1.5
D				
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	.999			
D				
E				
F				
G				

Final Segment: Start = .999





















































TEMPERATURE DEPTH LOG

B-356

ΔT Well No. 8344

Property-Project OK Depth Logged 95m

Map Cone Fort Scale 15" Date: Drilled ? Logged 29 Oct 77

State Utah County Millard Section 19NW14NW14T25S R 7W

Instrument Environ. Lab Operator DAE Elevation 5760 ft.

Comments 1" water-filled metal pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No										Well No										Date Logged																																							
→										→										DA MO YR *																																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
777										356										29 10 77																																							

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
10 km WNW Cone Fort 401R																																																							DAE					VPP				

DAE

Card B

Scale Unit										Map Size										Map Location Δ									
in cm										(7.5, 15, 60)										N Lat Degree Min W Long Degree Min									
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
cm										15										38. 30. 112. 45.									

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
22. 2										8. 35760										F									

Write M if meters

Use decimals

	SEGMENT DEPTH																													
	Start					End					K	ΔK																		
C	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
D	40.0					65.0					-5.0	-0.5																		
E	.999																													
F																														
G																														

Continue each card below.

	SEGMENT DEPTH																													
	Start					End					K	ΔK																		
C	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
D	65.0					95.0																								
E																														
F																														
G																														

Final Segment: Start = .999



B-356  
HOLE 3344

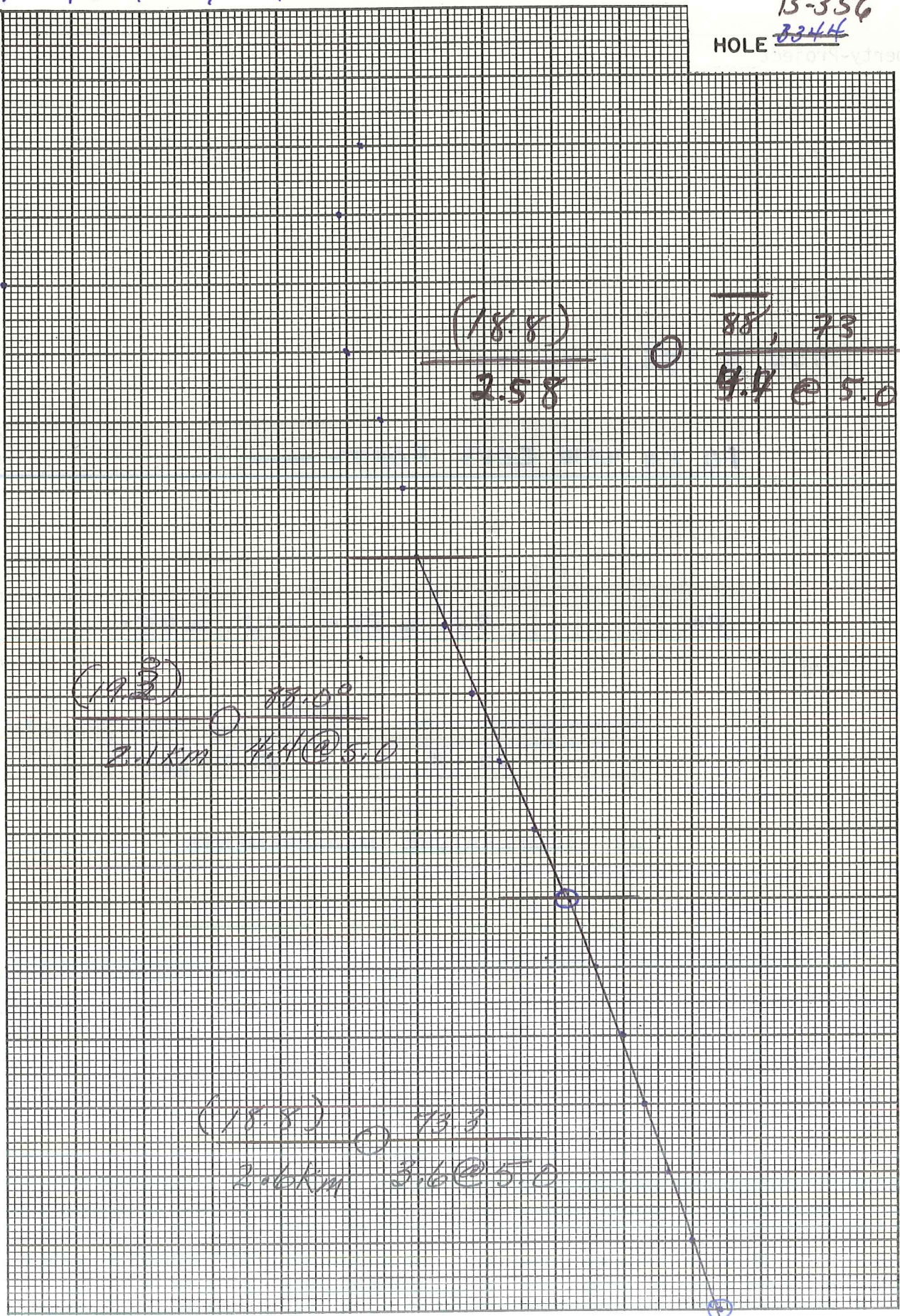
8 9 10 11 12 14 16 18

10  
20  
30  
40  
50  
60  
70  
80  
90

DEPTH METERS



TEMPERATURE °C →



(18.8)  
2.58

88, 73  
4.7 @ 5.0

(19.2)  
2.1 km 77.0°  
4.4 @ 5.0

(18.8)  
2.6 km 73.3  
3.6 @ 5.0

73.330/km







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



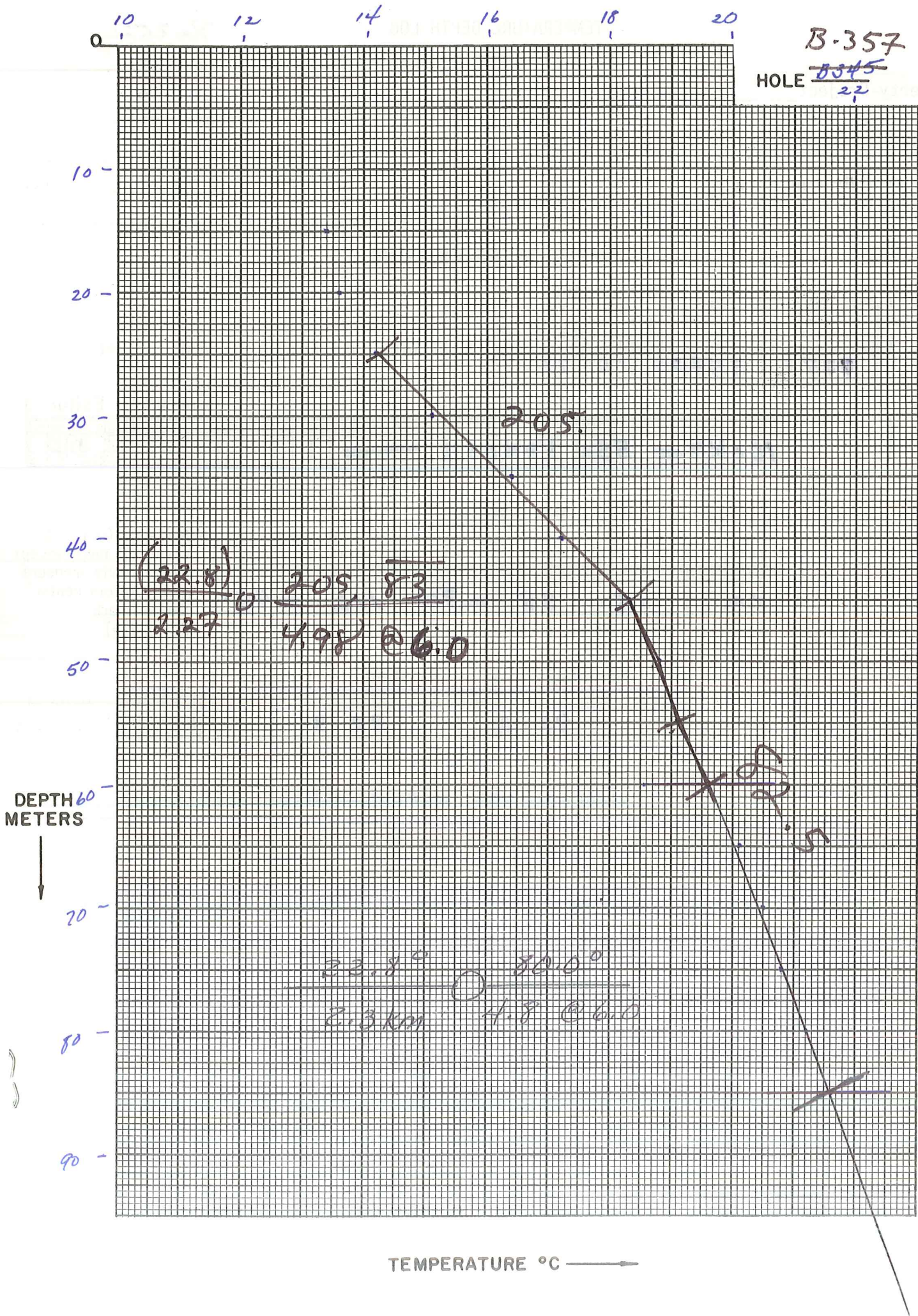






B-357

HOLE ~~8545~~  
22









TEMPERATURE DEPTH LOG

B-358

ΔT Well No. B-346

Property-Project 777 Thermo Depth Logged 26 Oct 77 95m  
 Map Cove Fort Scale 15" Date: Drilled ? Logged 26 Oct 77  
 State Utah County Millard Section 12 NW 1/4 NW 1/4 T 25 S R 7 W  
 Instrument Environ Lab Operator DAE Elevation 5800 ft.  
 Comments 1" water filled metal pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No				Well No						Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
										DA	MO	YR	*							
7	7	7	8	3	5	8	2	6	0	0	7	7								CM

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																									Operator			Editor											
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
.6 KM NNW - COVE FORT																									DAE			DP											

Card B

Scale Unit		Map Size		Map Location				W Long																					
in	cm	(7.5, 15, 60)	Degree	Min	Degree	Min	Degree	Min	Degree	Min																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
cm		15			38			30		102																			

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
					27.9					21.25800					F														

Use decimals

Write M if meters

	SEGMENT DEPTH																													
	Start										End										K					ΔK				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
C	30.0										45.0																			
D	55.0										60.0																			
E	.999																													
F																														
G																														

Continue each card below.

	SEGMENT DEPTH																													
	Start										End										K					ΔK				
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
C	45.0										55.0																			
D	60.0										95.0																			
E																														
F																														
G																														

Final Segment: Start = .999



0 12 14 16 18 20 22

B-352

HOLE ~~B-346~~  
24

20 -

30 -

40 -

50 -

60 -

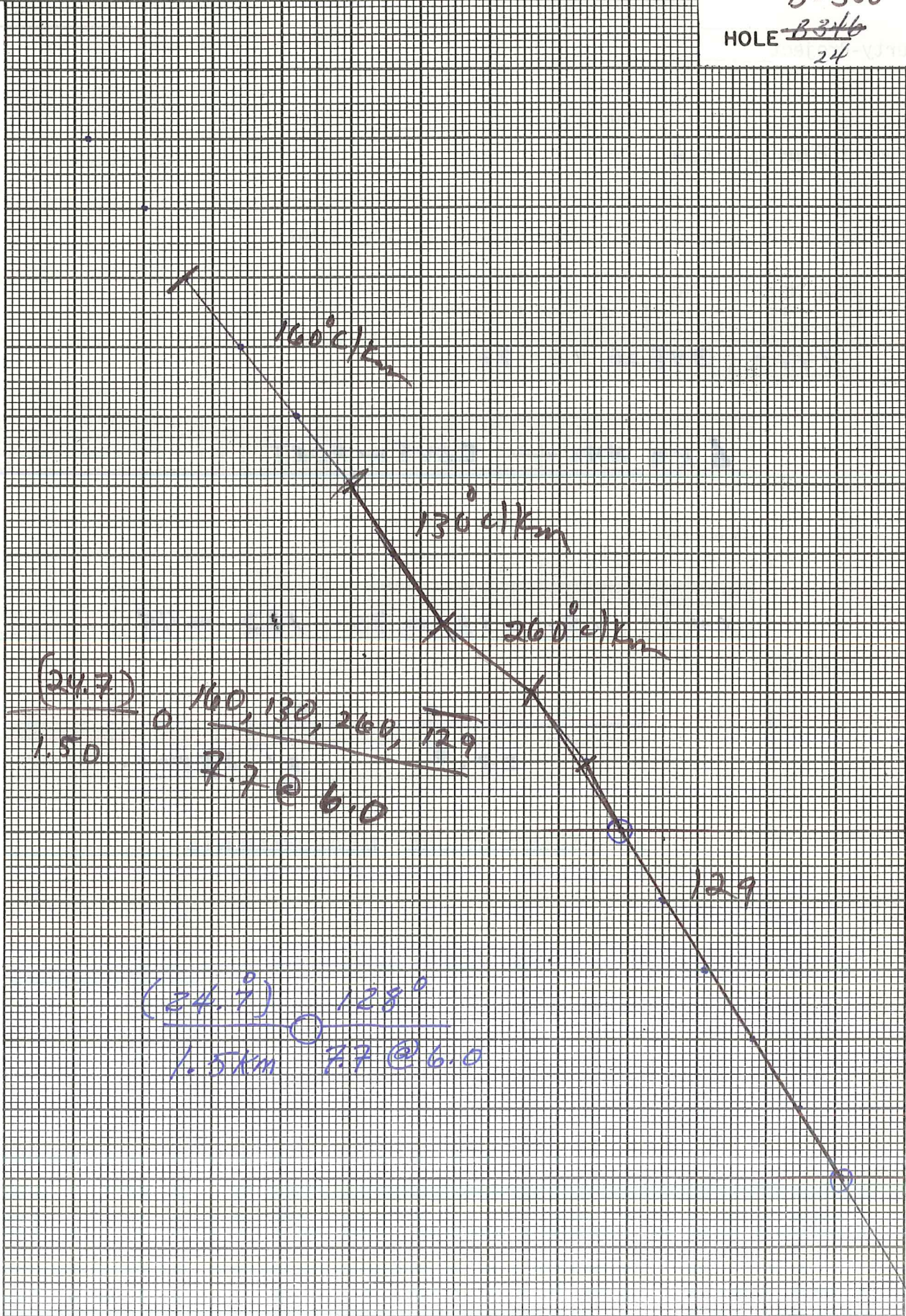
70 -

80 -

90 -

100 -

DEPTH  
METERS



TEMPERATURE °C →



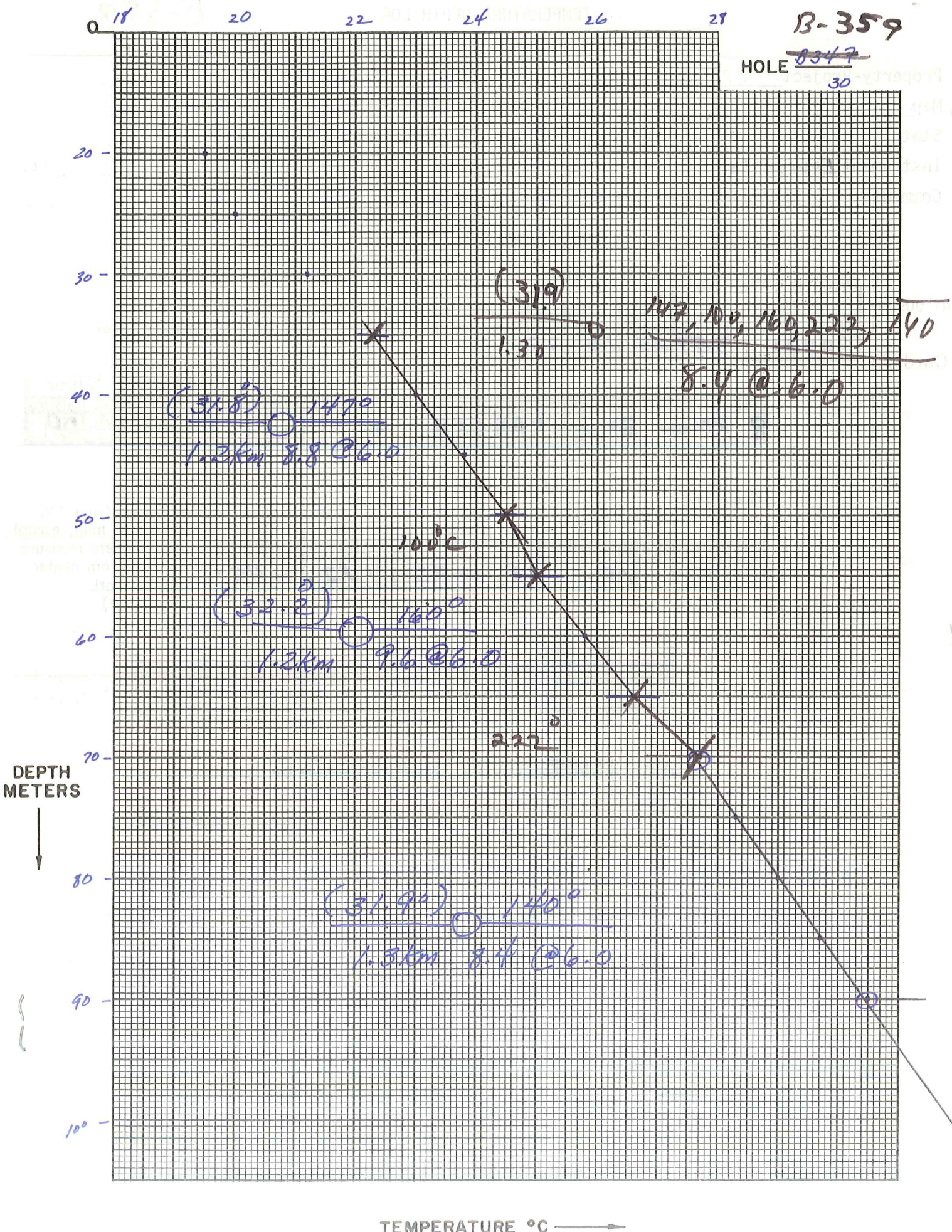






B-359

HOLE ~~8347~~  
30





D-359

Date Logged: 25 Oct 77

ΔT Well No. 00347

Sec. 9 ~~S1/4~~ SE 1/4 NW 1/4 T24S R6W

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		13.0					0'-70' - QAL Gravel
10		8.3					70'-130' Lmst reddish brown
15		17.5					130'-150' Lmst - light gray
20		19.5	2.0				150-300 Lmst. gray
25		20.0	0.5				
30		21.2	1.2				
35		22.3	1.1				
40		23.0	0.7				
45		23.8	0.8				
50	twice	23.8	0.7				
55		24.5	0.5				
60		25.0	0.8				
65	twice	25.8	0.8				
70		26.6	1.1				
75		27.7	0.6				
80		28.3	0.7				
85		29.0	0.7				
90		29.7	0.8				
		30.5					

K=Conductivity



TEMPERATURE DEPTH LOG

*Return new card*  
**B-360**

ΔT Well No. 8348

Property-Project 777 Thermo Depth Logged 95m

Map Cove Fort Scale 15" Date: Drilled ? Logged 25 Oct 77

State Utah County Millard Section 30 58 1/4 NW 1/4 T 24 S R 6 W

Instrument Environ Lab Operator DAE Elevation 5760 ft.

Comments 1" water filled metal pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No				Well No						Date Logged			*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*
7	7	7	8	3	6	0				2	5	7	C

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	DAE	DAE	DAE	DAE	DAE															

Card B

Scale Unit		Map Size		Map Location Δ				W Long				Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)
in	cm	(7.5, 15, 60)	Map Size	N Lat		Degree		Degree		Min		
1	5	15	0	30	58	15	30	112	45	45	0	

Use decimals

Northing										Easting										Elev										Write M if meters
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	

Use decimals

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	30.0	35.0		
D	45.0	55.0		
E	60.0	75.0	-8.0	-1.5
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	35.0	45.0		
D	55.0	60.0		
E	.999			
F				
G				

Final Segment: Start = .999



B-360

HOLE B-348

13 15 17 19 21 23 25 27 29 31 33

10 -  
20 -  
30 -  
40 -  
50 -  
60 -  
70 -  
80 -  
90 -  
DEPTH METERS  
↓

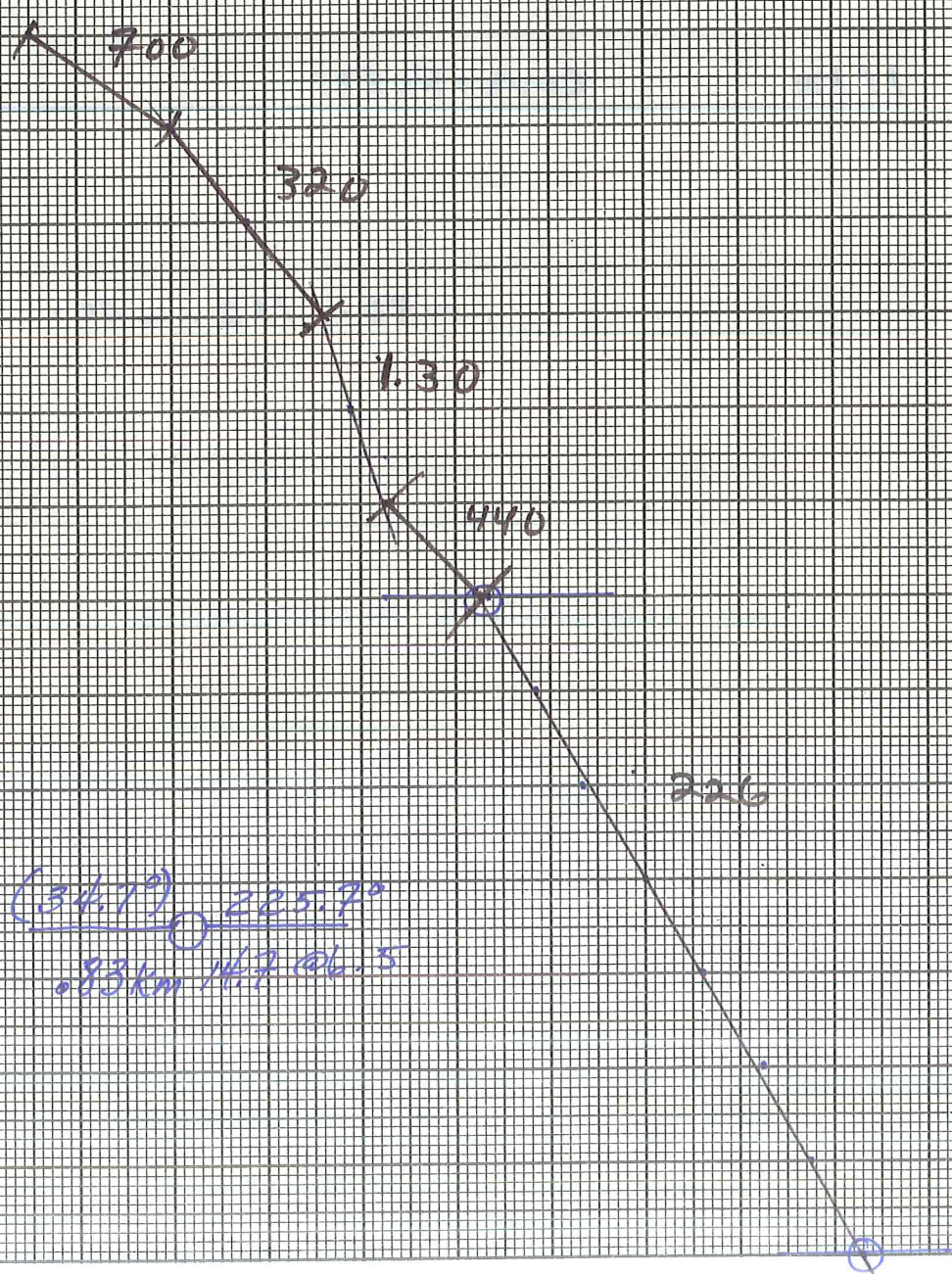
TEMPERATURE °C →

(34.7)

0.83

700, 320, 130, 440, 226

18.0 @ 8.0







TEMPERATURE DEPTH LOG

B-361

ΔT Well No. B349

Property-Project OK Depth Logged 28 Oct 77  
 Map CoveFort Scale 15" Date: Drilled ? Logged \_\_\_\_\_  
 State Utah County Millard Section 35 SW 44 NW 14 T 24 S R 7 W  
 Instrument Environ Lab Operator DAE Elevation 6040 ft.  
 Comments 1" water filled ~~PT~~ metal pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No					Well No					Date Logged			*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*
7	7	7	8		3	6	1						C M

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
9.0 KM NWA COVEFORT																																																							DAE					DAE				

*KM NNW*

Card B

Scale Unit					Map Location <sup>Δ</sup>										Map Size					N Lat					W Long					Elev									
in, cm					Degree										Min					Degree					Min					Write M if meters									
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
cm					15.38.30										112.45										F														

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+)

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	20.0	90.0	-7.0	-.5
D	.999			
E				
F				
G				

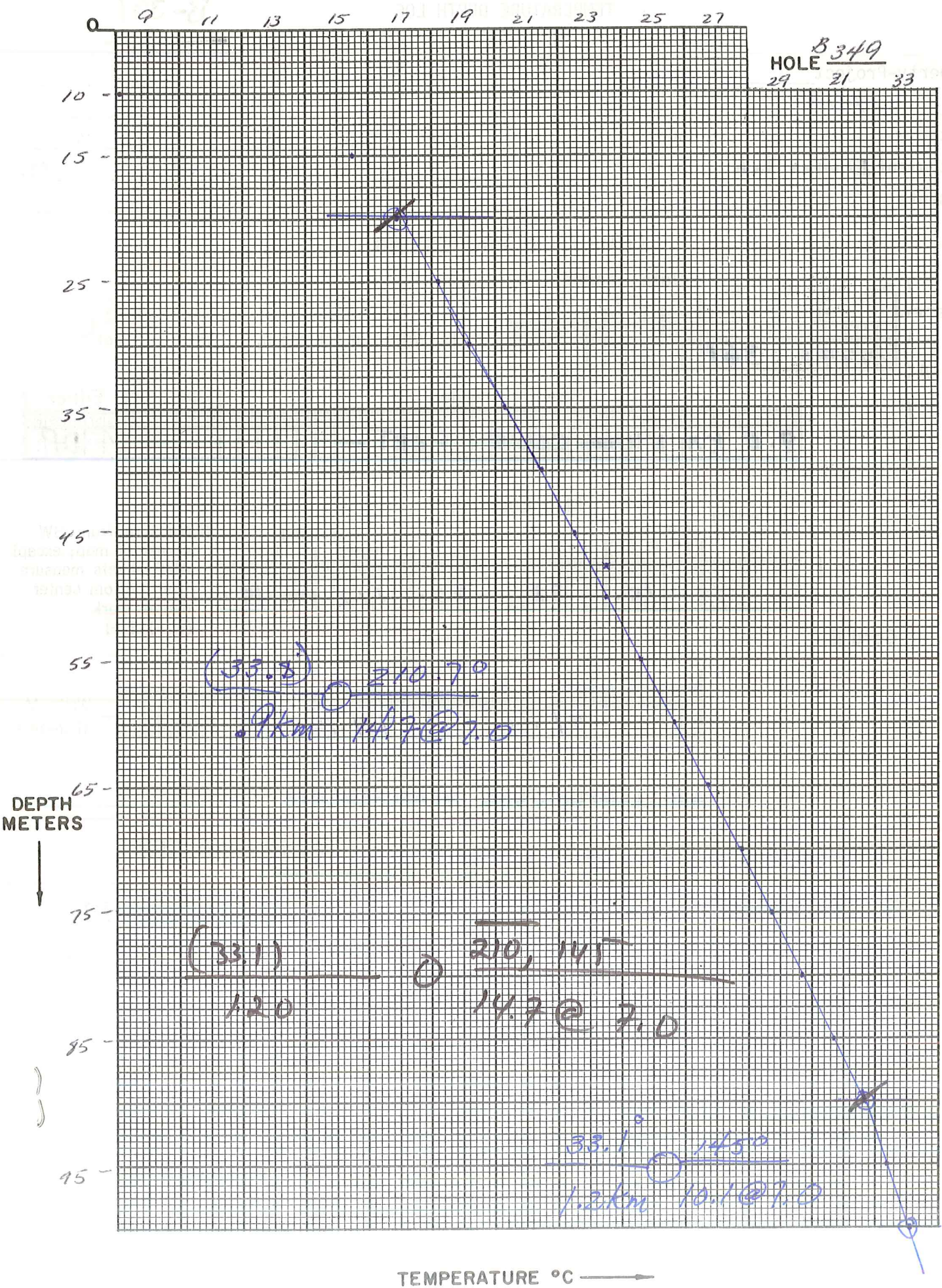
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	90.0	100.0		
D				
E				
F				
G				

Final Segment: Start = .999



B 349  
HOLE 29 21 33



(33.8)  
210.7°  
9km 14.7@7.0

(33.1)  
1.20  
210, 145  
14.7@7.0

33.1°  
145°  
1.3km 10.1@7.0

TEMPERATURE °C →

DEPTH METERS





Date Logged: 28 Oct 77

351

ΔT Well No. B349

Sec 35 R7W T24S

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
10		8.1					Latite No
<del>15</del> 20		15.5					
<del>20</del> 25		16.9					L.S. gas
25		18.25					
30		19.25					
35		20.3					
40		21.45					
45		22.5					
50		23.55					
55		24.6					
60		25.65					
65		26.75					
70		27.8					
75		28.75					
80		29.7					
85		30.7					
90		31.65					
95		32.4					
100		33.1	0.7				

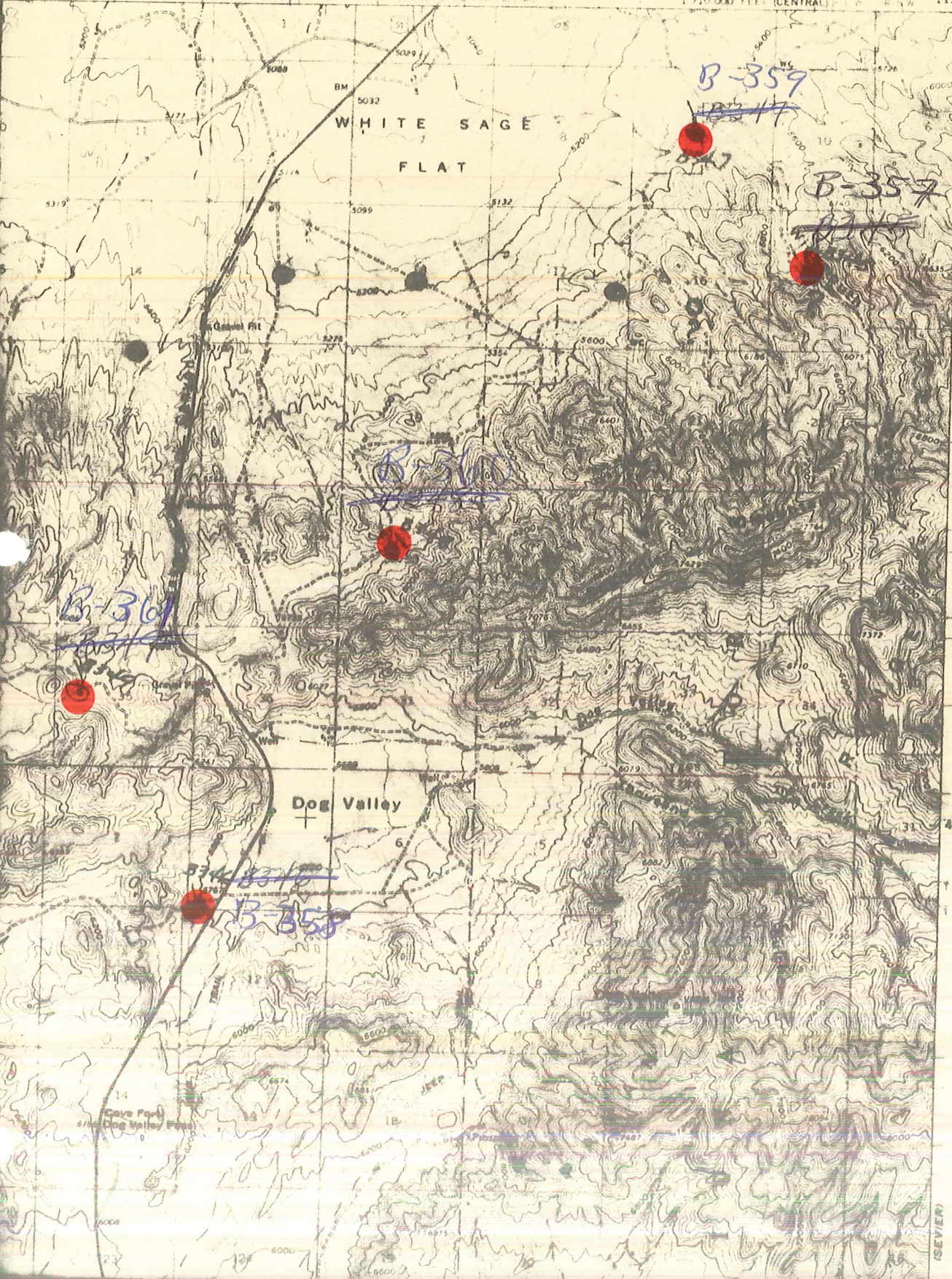
K=Conductivity



COVE FORT QUADRANGLE  
UTAH  
15 MINUTE SERIES (TOPOGRAPHIC)

(FILLMORE)

1:250,000 FEET (CENTRAL)  
112°30' 38"45'



150 000 FEET  
(CENTRAL)

(SEVER)



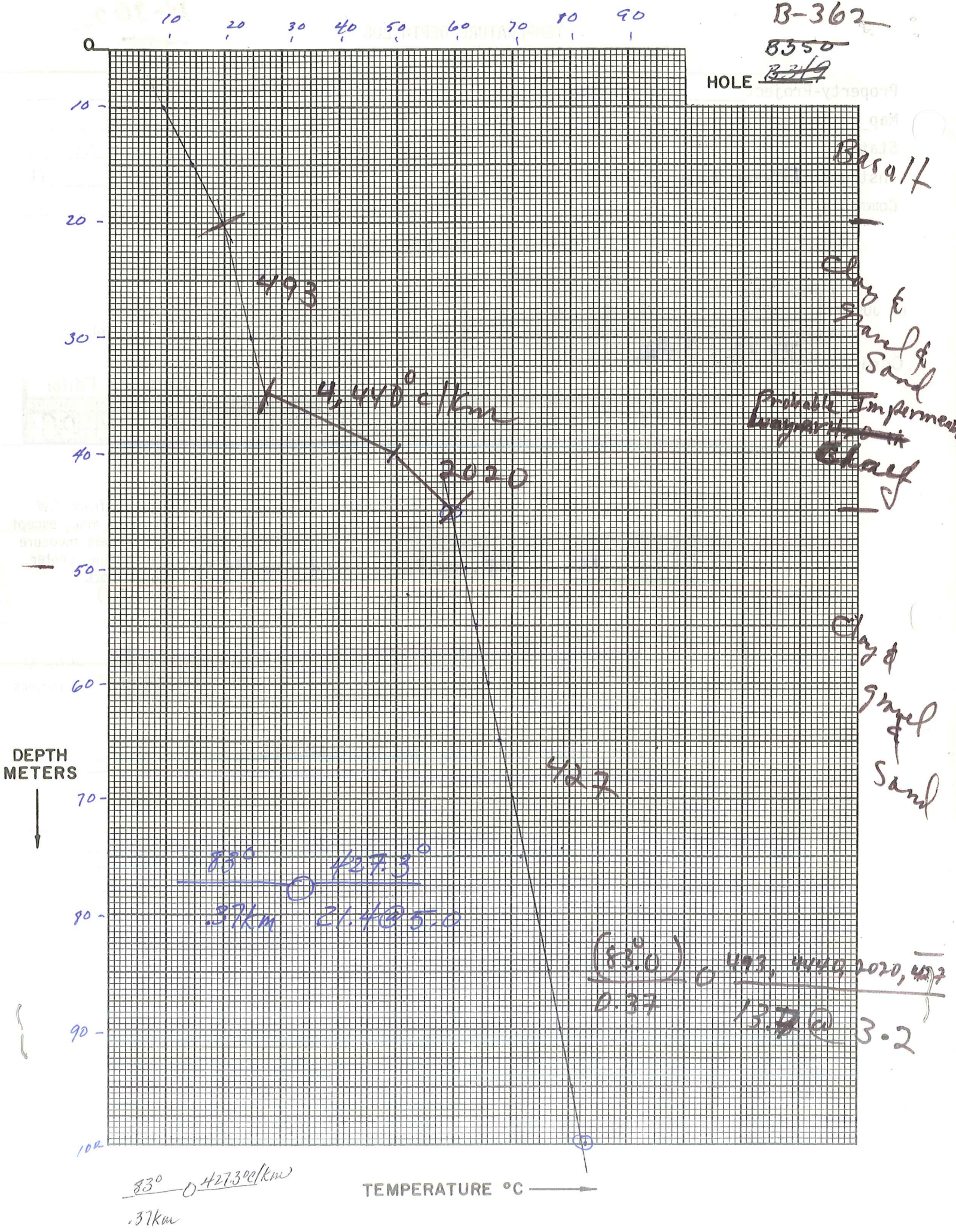




B-362

8350

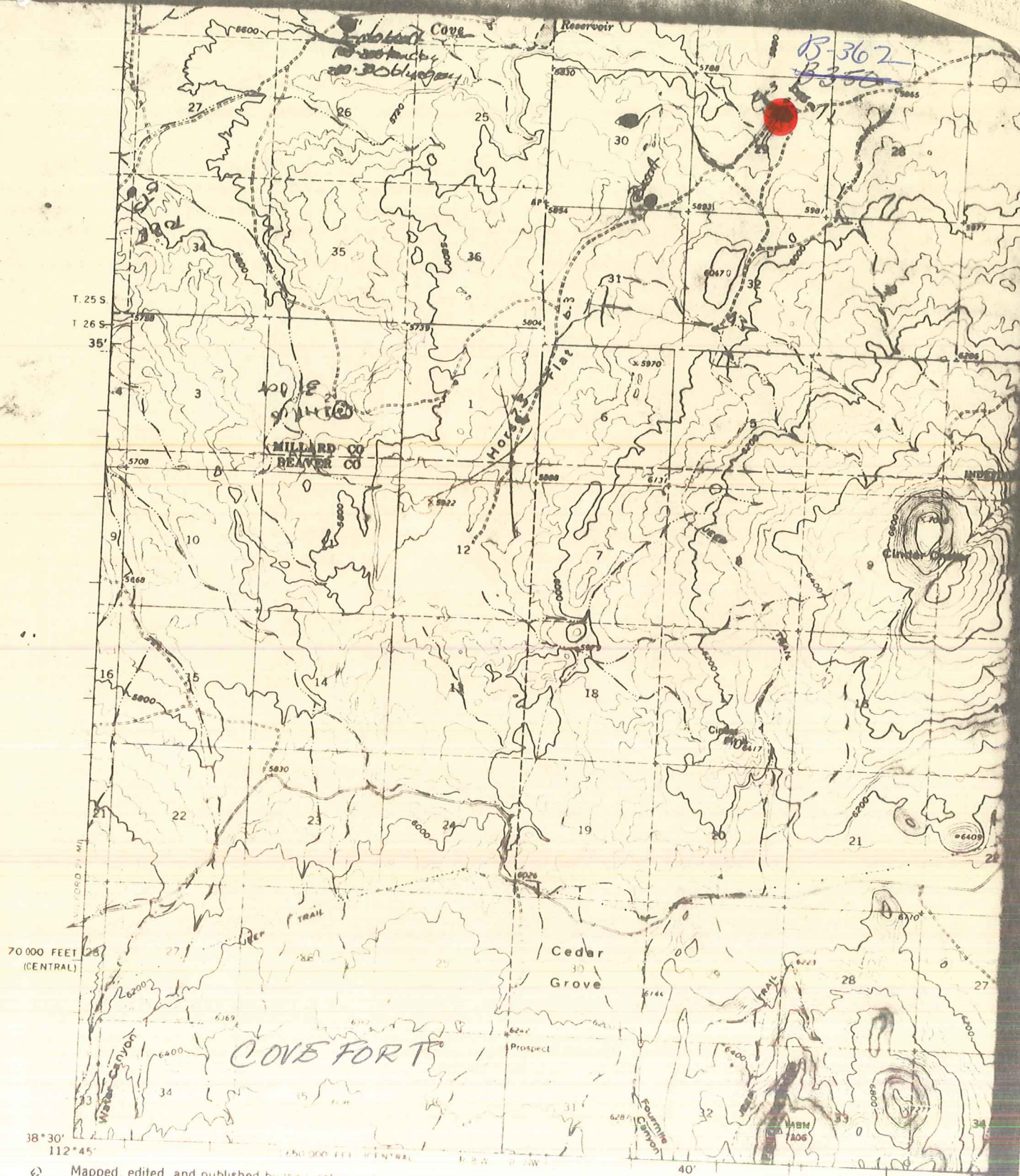
HOLE ~~3219~~



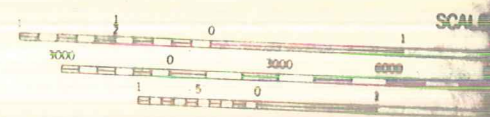




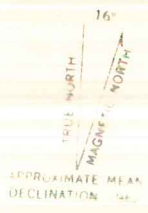




Mapped, edited, and published by the Geological Survey  
 Control by USGS and USC&GS  
 Topography by photogrammetric methods from aerial photographs taken 1956 Field checked 1962  
 Polyconic projection 1927 North American datum  
 10,000-foot grids based on Utah coordinate system, central and south zones  
 1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue  
 Where omitted, land lines have not been established



CONTOUR IN FEET  
 DATUM IS 1927

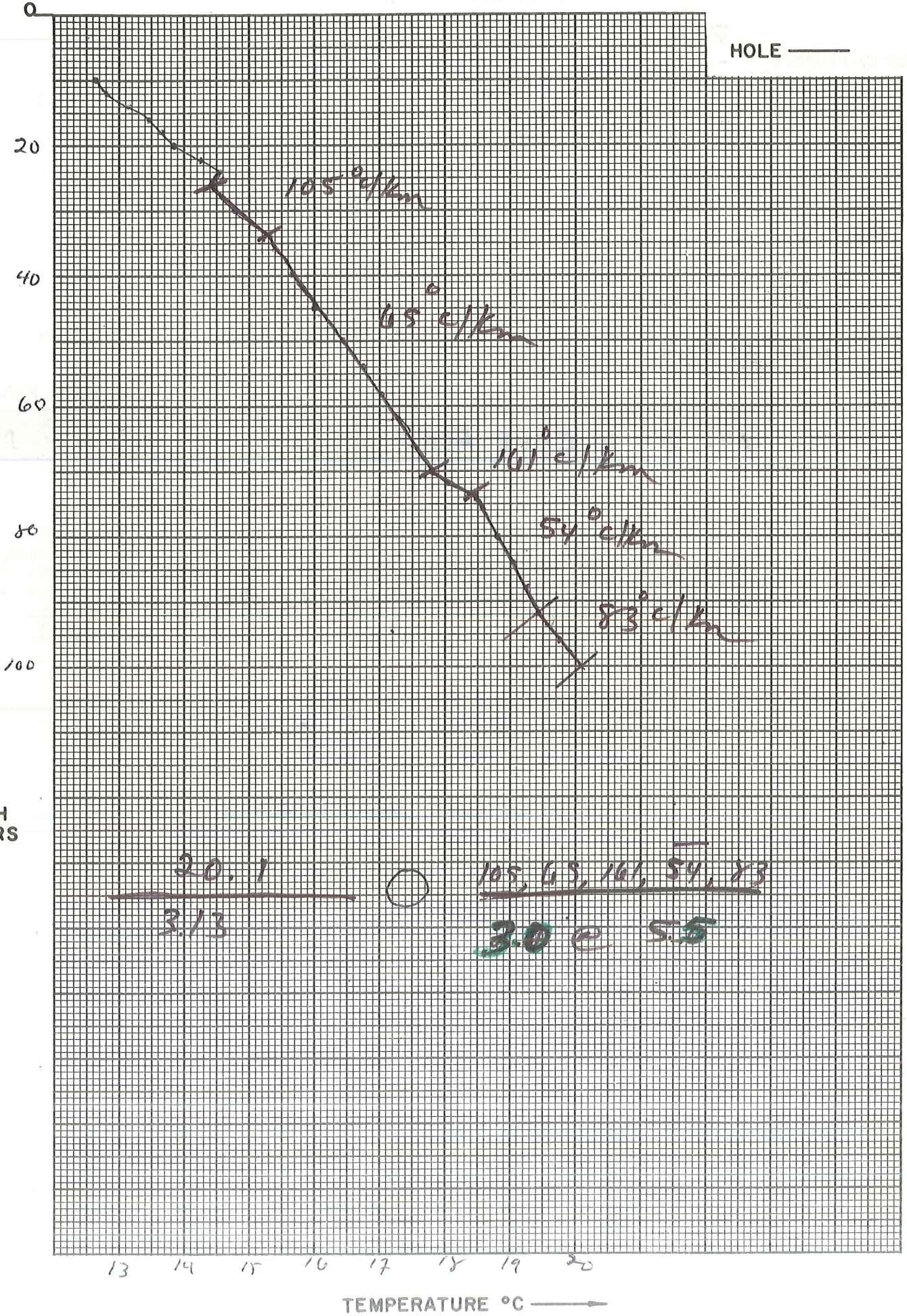


THIS MAP IS FOR SALE BY THE GEOLOGICAL SURVEY





HOLE ———



DEPTH METERS



20.1  
3.13



105, 65, 161, 54, 83  
3.0 e 5.5

TEMPERATURE °C ———>



Date Logged: 3-11-77

ΔT Well No. B-363

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
10	130.55	12.639					
			.16	80			
12	129.85	12.799					
			.38	187			
14	128.22	13.174					
			.29	147			
16	126.95	13.468					
			.15	73			
18	126.32	13.6146					
			.22	110			
20	125.38	13.8345					
			.41	209			
22	123.65	14.2424					
			.32	159			
24	122.31	14.5612					
			-.08	-44			
26	122.68	14.4729					
			.12	62			
28	122.16	14.5970					
			.21	104			
30	121.29	14.8056					
			.29	146			
32	120.08	15.0975					
			.22	109			
34	119.18	15.3161					
			.11	58			
36	118.70	15.4332					
			.17	86			
38	118.00	15.6046					
			.05	27			
40	117.78	15.6586					
			.18	91			
42	117.04	15.8409					
			.17	83			
44	116.37	16.0067					
			.16	78			
46	115.74	16.1632					
			.13	67			
48	115.20	16.2980					
			.16	81			
50	114.55	16.4608					
			.14	68			
52	114.01	16.5966					
			.15	76			
54	113.41	16.7480					
			.14	71			
56	112.85	16.8900					
			.13	67			
58	112.32	17.0248					
			.14	72			
60	111.76	17.1679					
			.13	64			
62	111.26	17.2960					

K=Conductivity

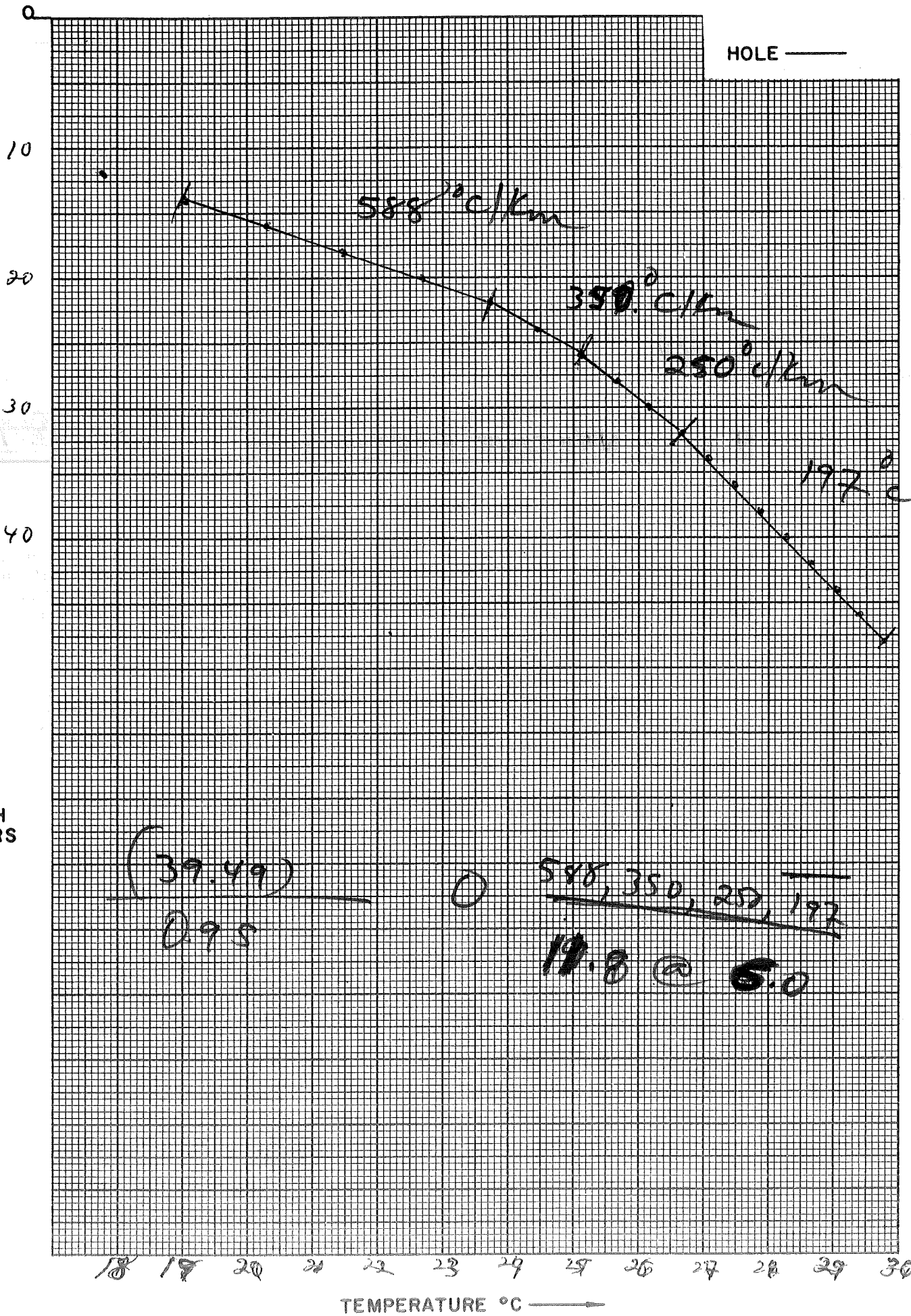








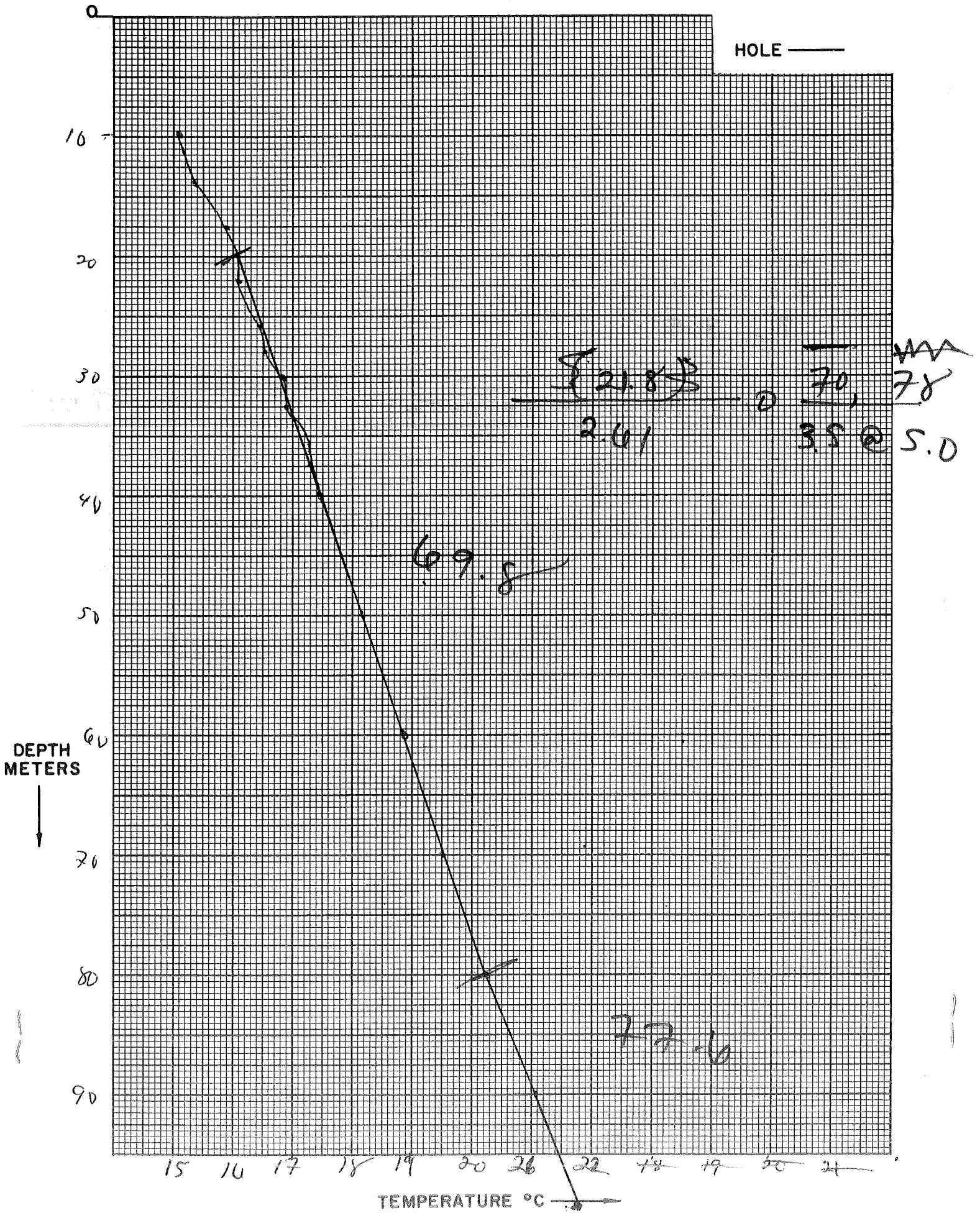
HOLE ———













Date Logged: 3 Nov 71

B-365  
 ΔT Well No. ~~8353~~

See 23 T255 R6W

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
10	120.01	15.1145					
12	120.20 <del>70</del>	15.0685	-23.0				
14	119.20	15.3112	121.4				
16	117.82	15.6488	168.8				
18	116.74	15.9150	133.1				
20	116.26	16.0340	59.5				
22	115.96	16.1085	37.3				
24	115.46	16.2330	62.3				
26	114.65	16.4357	217.8				
28	114.13	16.5663	65.3				
30	113.13	16.8189	126.3				
32	112.93	16.8697	25.4				
34	112.39	17.0070	68.7				
36	111.29	17.2083	140.7				
38	111.19	17.3166	14.1				
40	110.80	17.4143	48.9				
42	110.842	17.6102	97.9				
44	109.84	17.6625	26.2				
46	109.33	17.7951	66.3				
48	107.94	18.1589	181.9				
50	107.95	18.1562	-1.3				
52	107.70	18.2221	32.9				
54	107.19	18.3567	67.3				
56	106.66	18.4972	70.2				
58	105.99	18.6756	89.2				
60	105.32	18.8549	89.7				
62	105.12	18.9087	26.9				

K=Conductivity





TEMPERATURE DEPTH LOG

ΔT Well No. B-366

Property-Project 777 Depth Logged 82m  
 Map Cove Fort Scale 15. Date: Drilled ? Logged 5 Nov 77  
 State Utah County Millard Section 35 NE 1/4 SW 1/4 T 25 S R 8 W  
 Instrument #41 Operator DAE Elevation 5600. ft.  
 Comments ~ 1/2" water-filled metal pipe

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No		Well No		Date Logged																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
777				366			5 11 77												CM	

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																				Operator		Editor																	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
11.5 KM SW COVE FORT																				DAE		MDF																	

Card B

Scale Unit		Map Size		Map Location Δ				W Long																					
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
CM		15.		28.50				112.45																					

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
16.1					3.25600					F																			

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	26.0	46.0		
D	54.0	68.0		
E	.999			
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	46.0	54.0		
D	68.0	82.0		
E				
F				
G				

Final Segment: Start = .999







Date Logged: 5 Nov 77

ΔT Well No. B-366

Sec 35 NE 1/4 SW 1/4 T255 R81N

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
10	127.73	13.29					
12	125.78	13.74	.45				
14	124.93	13.94	.20				
16	125.87	13.72	.22				
18	125.94	13.70	.02				
20	125.63	13.78	.08				
22	125.51	13.80	.02				
24	125.42	13.82	.02				
26	125.40	13.83	.01				
28	125.12	13.89	.06				
30	124.89	13.95	.06				
32	124.74	13.98	.03				
34	124.37	14.07	.09				
36	124.14	14.13	.05				
38	123.88	14.19	.06				
40	123.70	14.23	.04				
42	123.51	14.28	.05				
44	123.33	14.32	.04				
46	123.15	14.36	.04				
48	122.37	14.55	.19				
50	121.45	14.77	.22				
52	120.63	14.96	.21				
54	119.90	15.14	.18				
56	119.83	15.16	.02				
58	119.82	15.16	.00				
60	119.79	15.16	.00				
62	119.72	15.18	.02				

K=Conductivity







Danish Reservoir

B-366

3

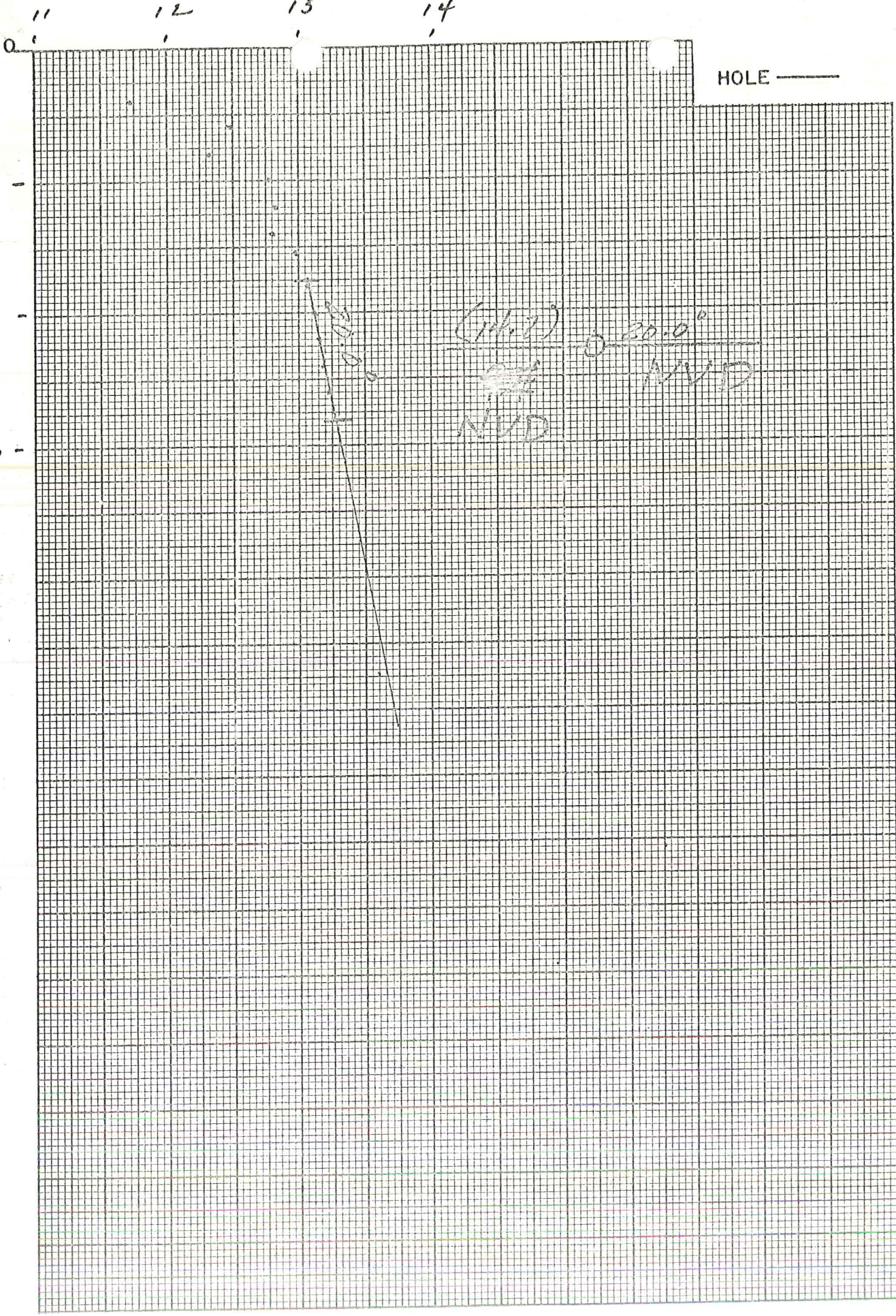
B-367

7















TEMPERATURE DEPTH LOG

AT Well No. B-368

Property-Project OK - 779 Depth Logged 60m

Map Pinnacle Pass Scale 7.5 Date: Drilled ? Logged 5 Nov 77

State Utah County Bever Section 17 58 1/4 NW 1/4 T 26 S R 8 W

Instrument # 41 Operator DAE Elevation 6040 ft.

Comments 1/2" water filled PVC

COMPUTER PROCESSING

RT JUSTIFY: \* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Proj No				Well No						Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	7	9		3	6	8				5		11			7	7				C

Card A

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																				
2.0 KM S of PINNACLE PASS																																																		DAE					/ DAE				

Card B

Scale Unit		Map Size		Map Location $\Delta$				W Long				N Lat				Elev																								
in	cm	(7.5, 15, 60)		Degree		Min		Degree		Min		Degree		Min		Degree		Min																						
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50											
2	M			7	5					38					30					11	2										52	5								

Use decimals

$\Delta$  Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
33.6										35.5										6040									

Use decimals

Write M if meters

	SEGMENT DEPTH		K	$\Delta$ K
	Start	End		
C	16.0	36.0		
D	.999			
E				
F				
G				

Continue each card below.

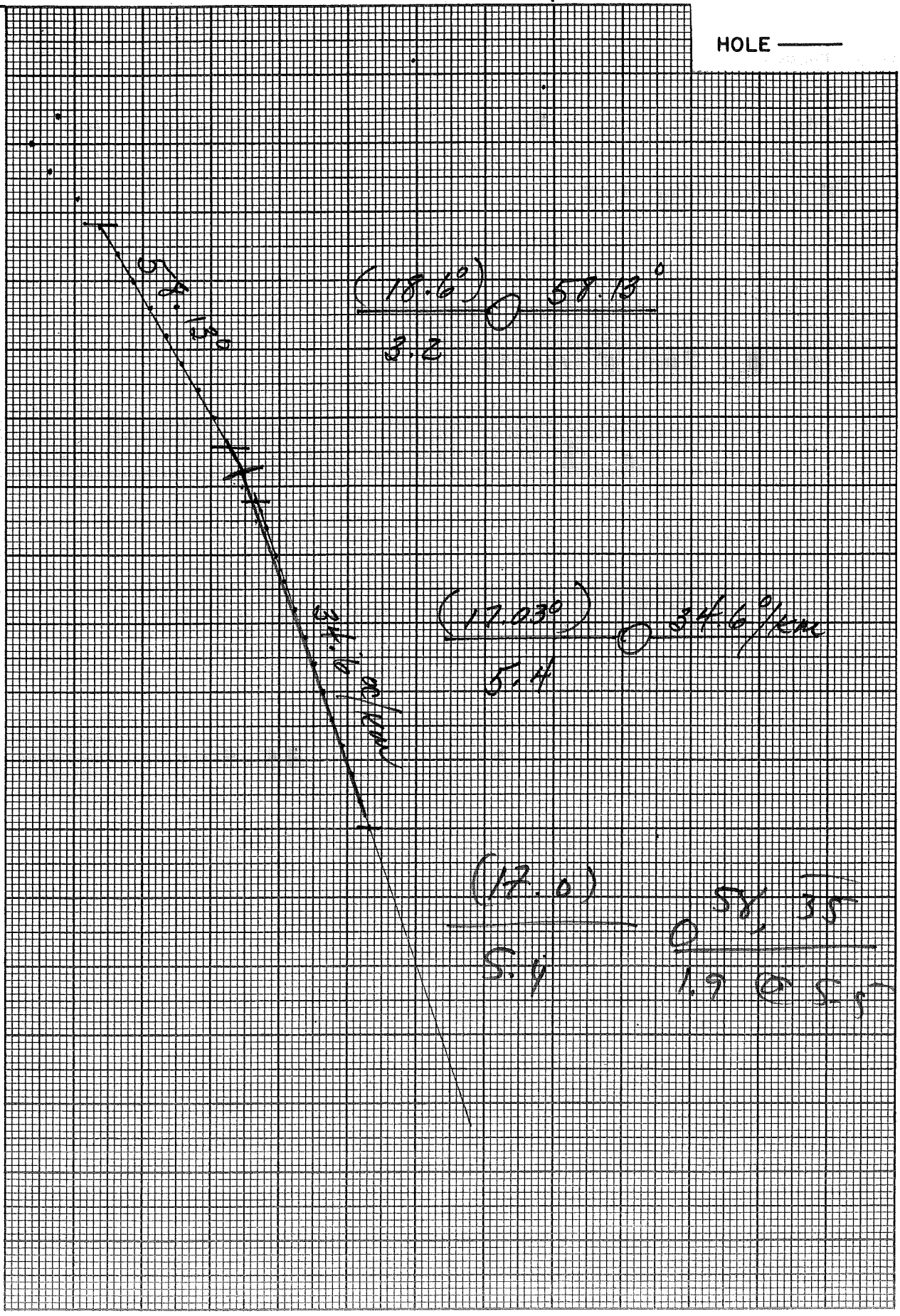
	SEGMENT DEPTH		K	$\Delta$ K
	Start	End		
C	36.0	60.0	-5.5	-5
D				
E				
F				
G				

Final Segment: Start = .999

13 14 15 16 17

HOLE ———

10  
20  
30  
40  
50  
60  
DEPTH METERS



TEMPERATURE °C ———



Date Logged: 5 Nov 77

ΔT Well No. \_\_\_\_\_

Pinnacle Pass Sec 17 58/14NW/4 T265 R8W

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
4	116.51	15.97	.96				
6	122.69	16.93	3.65				
8	127.32	13.38	.20				
10	128. <sup>20</sup> <del>20</del>	13.18	1.3				
12	127.64	13.31	.20				
14	126.78	13.51	.18				
16	125.99	13.69	.12				
18	125.47	13.81	.11				
20	125.03	<del>13.92</del>	.13				
22	124.48	14.05	.12				
24	123.96	14.17	.11				
26	123.49	14.28	.12				
28	122.97	14.40	.12				
30	122.47	14.52	.10				
32	122.05	14.62	.10				
34	121.64	14.72	.10				
36	121.24	14.82	.08				
38	120.90	14.90	.07				
40	120.62	14.97	.07				
42	120.32	15.04	.07				
44	120.02	15.11	.07				
46	119.73	15.18	.07				
48	119.43	15.25	.07				
50	119.14	15.32	.07				
52	118.86	15.39	.07				
54	118.58	15.46	.07				
56	118.32	15.53	.07				

K=Conductivity









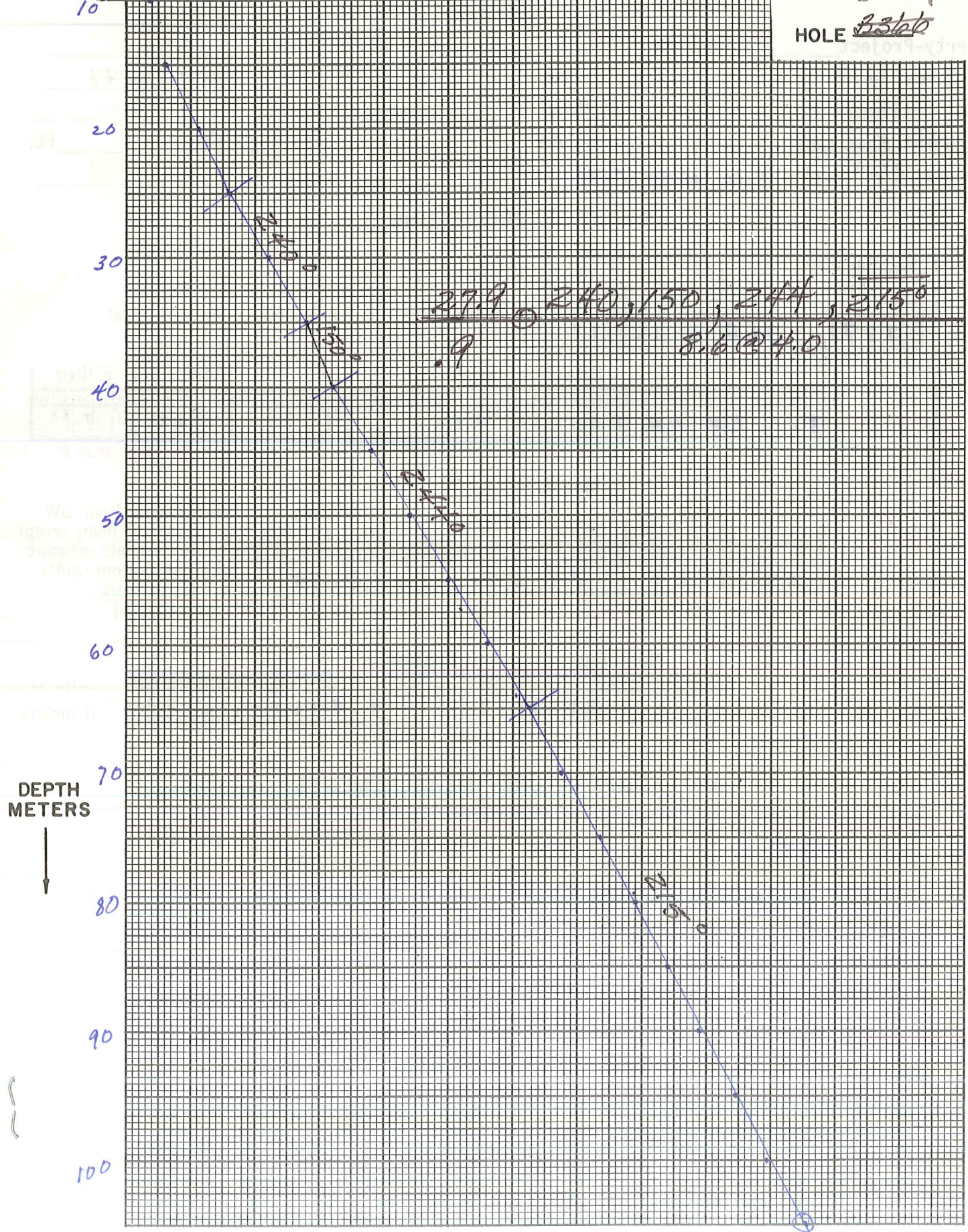




10 8 10 12 14 16 18 20 22 24 26 28

B-369

HOLE B369



DEPTH METERS



TEMPERATURE °C →

27.9, 240, 150, 244, 215°  
8.6 @ 4.0

24.0

24.1

24.9

20

30

40

50

60

70

80

90

100





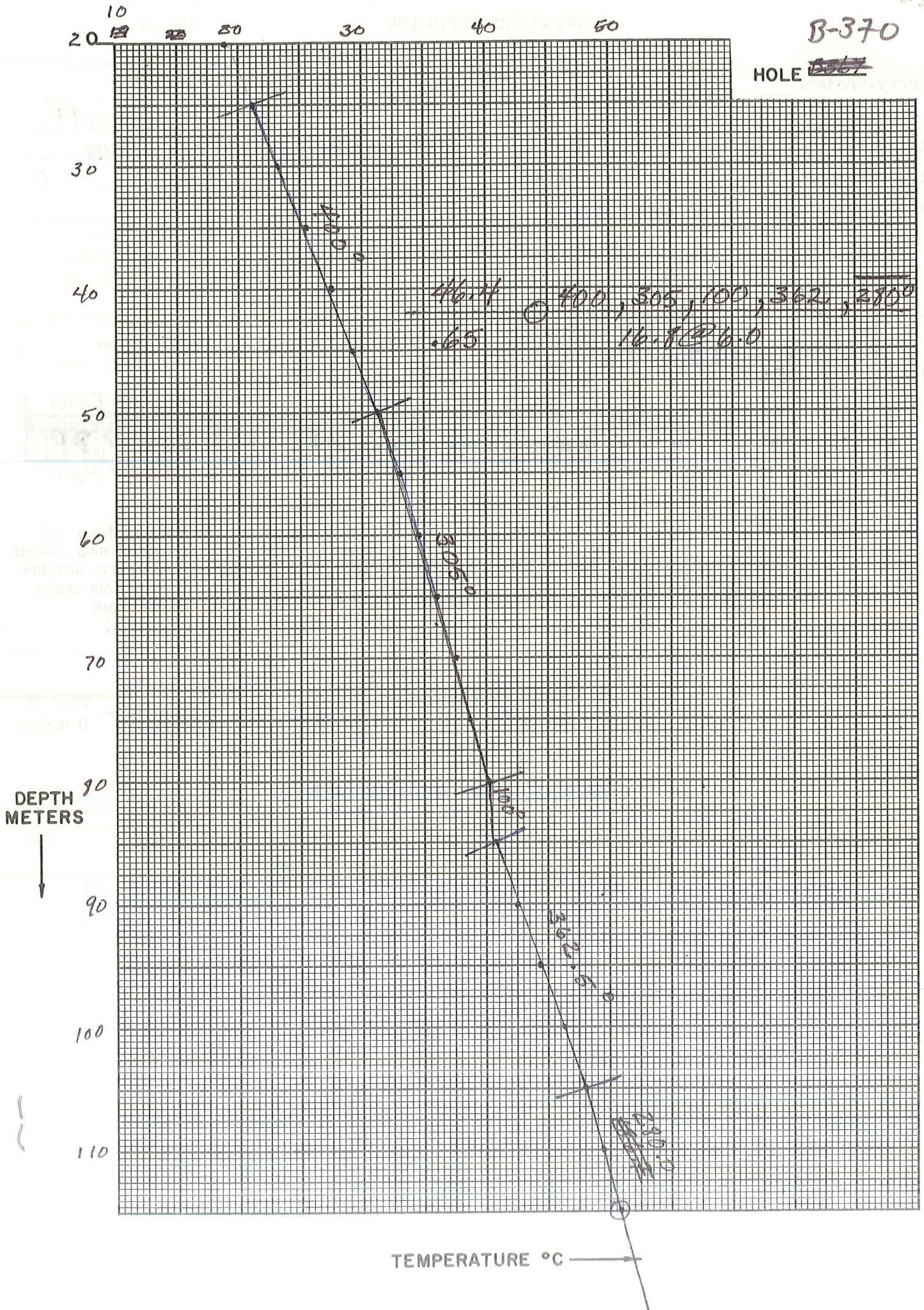






B-370

HOLE ~~2567~~





B-370

Date Logged: 30 Nov 77

ΔT Well No. ~~8367~~

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		9.80	2.65				0-23m QAL
10		12.45	2.40				23m-55m Red Lmst
15		16.85	2.25				55m-78m <sup>Gray</sup> White Lmst
20		19.10	2.10				78m-101m Brownish Red Lmst.
25		21.20	2.10				101m-114m Gray Lmst ?
30		23.30	2.25				
35		25.55	1.95				
40		27.50	1.80				
45		29.30	1.90				
50		31.20	1.80				
55		33.00	1.65				
60		34.65	1.40				
65		36.05	1.55				
70		37.60	1.15				
75		38.75	1.60				
80		40.35	.50				
85		40.85	1.65				
90		42.50	1.95				
95		44.45	1.95				
100		46.40	1.70				
105		48.10	1.40				
110		49.50	1.40				
115		50.90					

K=Conductivity













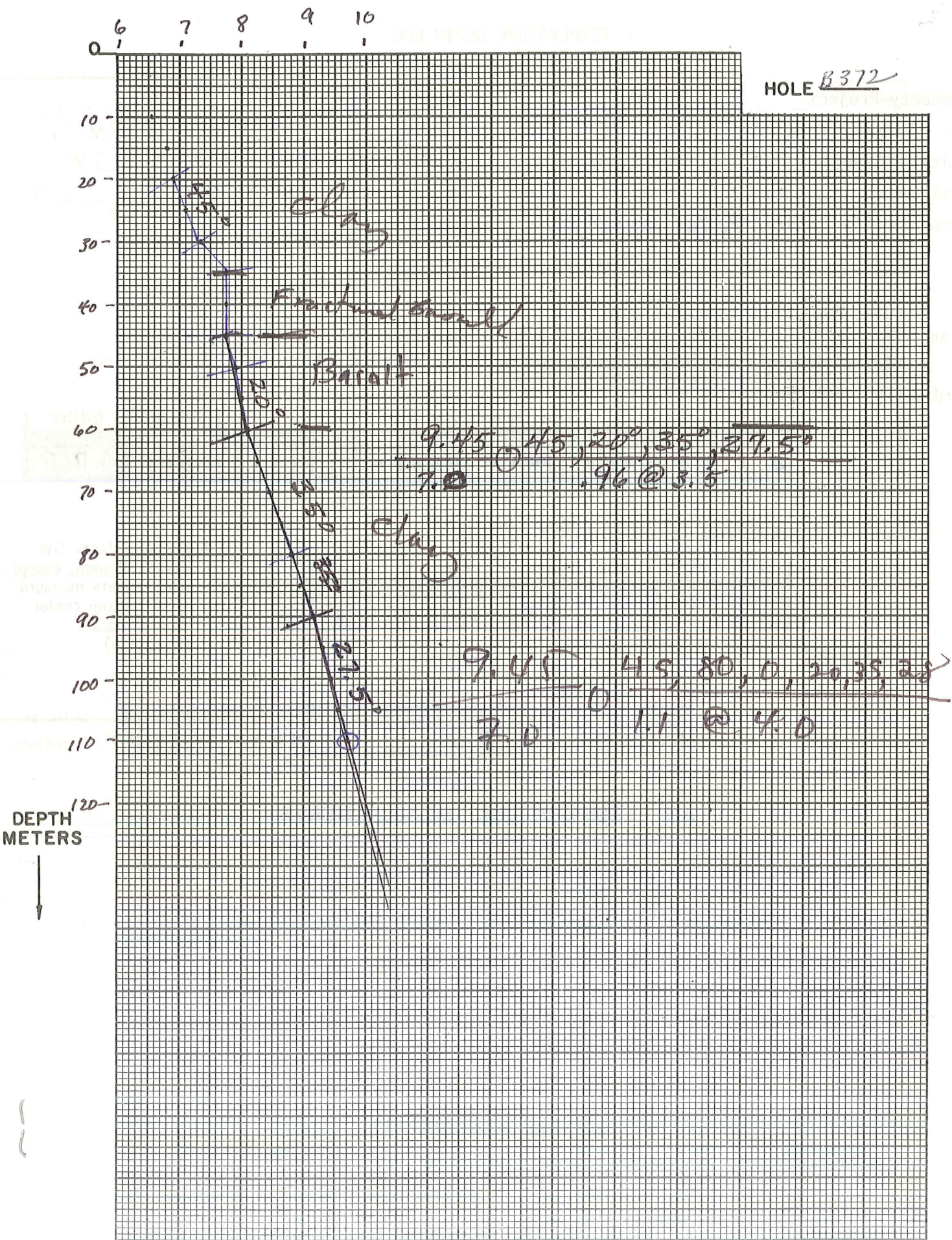








HOLE B372









RELOCATE VV

TEMPERATURE DEPTH LOG

Property-Project Best-755 ΔT Well No. B-373  
 Map Adamsville Scale 15' Date: Drilled 1/14/78 Logged 1/11/78  
 State Utah County Beaver Co Section SESW 14 T 27S R 9W  
 Instrument literature Operator RB Elevation 6720' ft.  
 Comments Univ of Utah Tech Report, Vol. 77-3

COMPUTER PROCESSING

RT JUSTIFY: \* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Proj No										Well No										Date Logged																																							
																				DA	MO	YR	*																																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
755										373										1	1	78	*																																				

Card A

Site Description																																																							Operator					Editor				
BIG CEDAR																																																							RB					RB				
UU 75 3CC																																																																

Card B

Scale Unit										Map Size										Map Location									
in										(7.5, 15., 60)										N Lat					W Long				
cm																				Degree					Min				
CM										15.0										37.8					113.0				

△ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Use decimals

Northing										Easting										Elev									
37.8										23.65										6490.									
																				F									

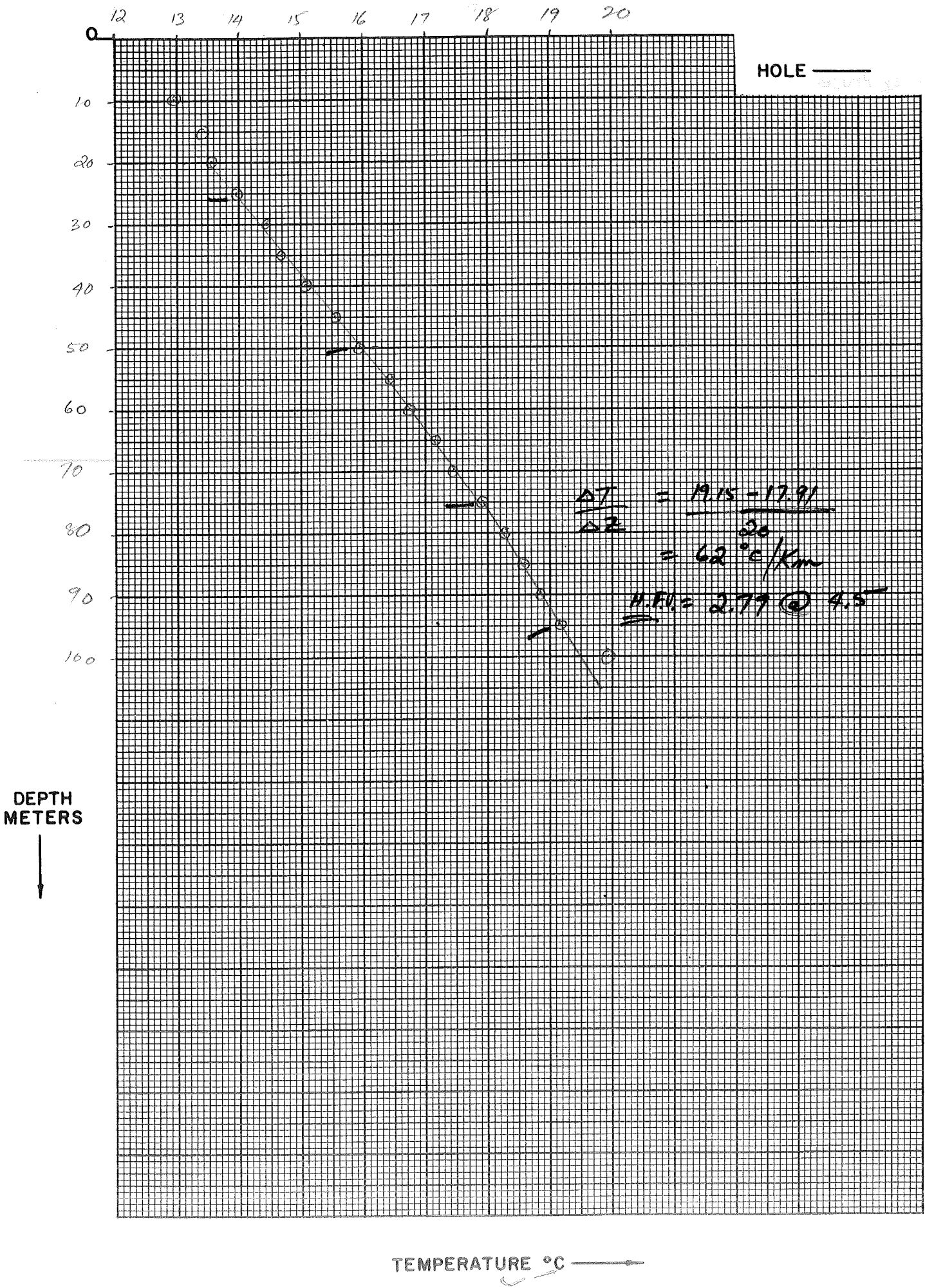
Write M if meters

	SEGMENT DEPTH																																																	
	Start										End										K										ΔK																			
C	20.0										50.0																																							
D	75.0										95.0										-4.5										-1.5																			
E																																																		
F																																																		
G																																																		

Continue each card below.

	SEGMENT DEPTH																																																	
	Start										End										K										ΔK																			
C	50.0										75.0																																							
D	.999																																																	
E																																																		
F																																																		
G																																																		

Final Segment: Start = .999







TEMPERATURE DEPTH LOG

Property-Project Bush-755 ΔT Well No. B-374  
 Map Adamsville Scale 15' Date: Drilled \_\_\_\_\_ Logged 1/11/78  
 State Utah County Beaver Section NNNW3 T 27S R 9W  
 Instrument Literature Operator RB Elevation 6100 ft.  
 Comments Univ. of Utah Tech. Report, Vol. 77-3

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No										Well No										Date Logged																																							
																				DA	MO	YR	*																																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
755										374										11	01	78	CIM																																				

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																							Operator					Editor				
<del>ALTERATION</del>																																																																
NEGRO MAG SEC 3, UU 751A																																																																

Card B

Scale Unit					Map Size					Map Location					N Lat					W Long									
in					(7.5, 15, 60)					Degree					Min					Degree					Min				
CM					15.					32.					15.					113.									

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Change to 42.9 →

Northing										Easting										Elev									
42.9										19.6										F									

Write M if meters

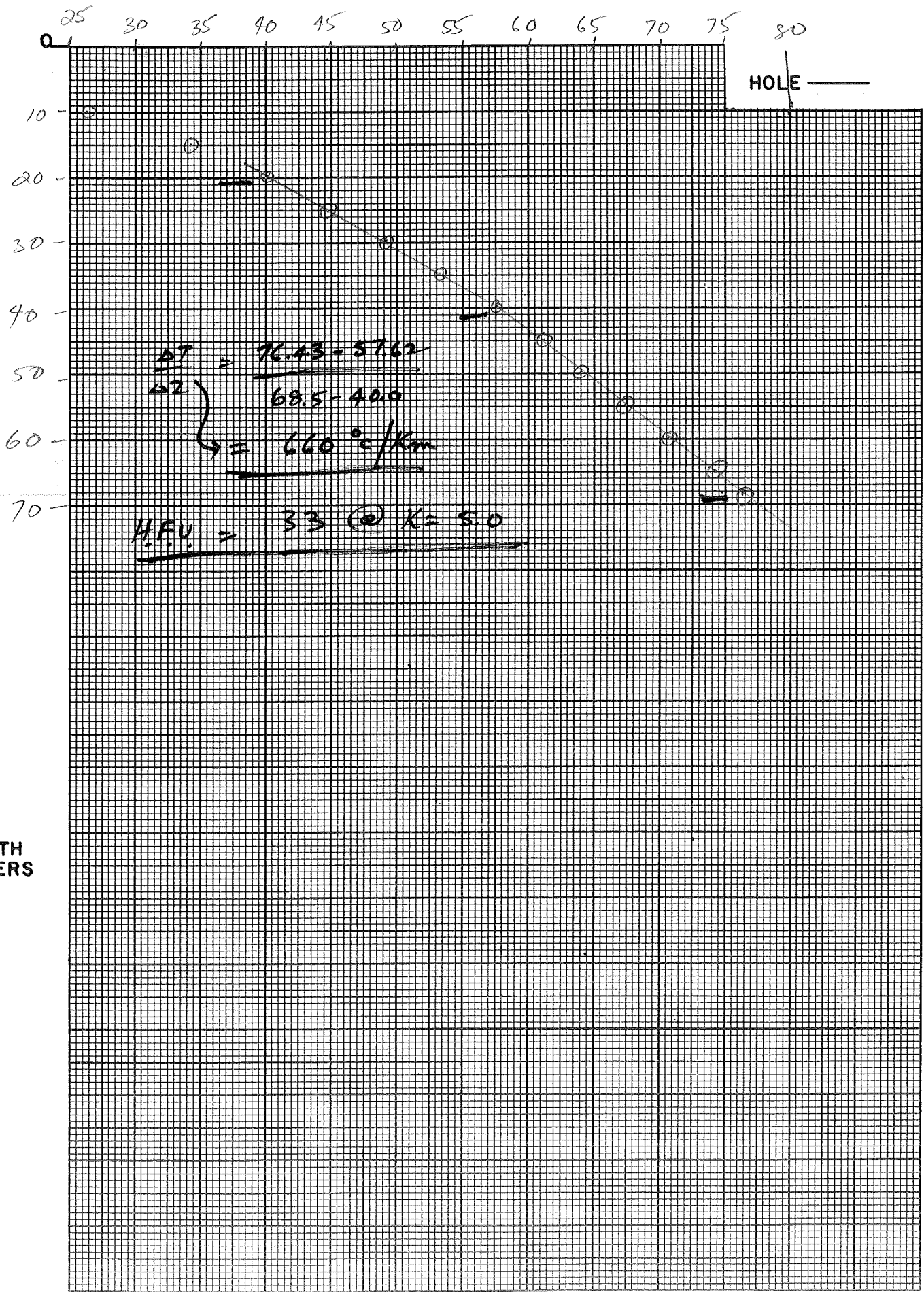
	SEGMENT DEPTH										K	ΔK
	Start	End										
C	20.0	40.0										
D	.999											
E												
F												
G												

Continue each card below.

	SEGMENT DEPTH										K	ΔK
	Start	End										
C	40.0	68.5									4.5	5.0
D												
E												
F												
G												

Final Segment: Start = .999









ΔT Well No. 755-375

Property-Project \_\_\_\_\_ Depth Logged \_\_\_\_\_

Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_

State \_\_\_\_\_ County \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_ of Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ (ft/m)

Comments \_\_\_\_\_

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
755	375	11	01	78	CM

\*19-Write F if Fahrenheit, 20-Write F if Feet

Card A

Site Description	Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68			
ALTERATION 76-1A RKG RA	RB	RB			

(Approx. location, water well?, oil test?, etc.)

Card B

Map Location \*\*

Scale Unit	Map Size	N Lat	W Long
IN CM	(7.5, 15, 60)	Degree	Min
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		Degree	Min **
CM	15.	38.	15.
		113.	0.

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Northing	Easting	Elev
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	
	30.7	19.7
		1865.

Use decimals

Write M if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			
	20.	30.	

Best cond. (-K)  
Downward extrapolations (-ΔK)

Segment 2

Start	End	K	ΔK
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			
		35.	63.5 - 4.5 = 29.0

Segment 3

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
.999

Segment 4

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
---

Segment 5

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
---

Segment 6

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
---

Segment 7

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
---

Segment 8

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
---

Segment 9

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
---

Segment 10

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
---

After final segment Start = .999





N. Lat 38.5462  
 Long 112.8733

AMAX EXPLORATION, INC.  
 TEMPERATURE/DEPTH LOG

PLOT

ΔT Well No. 376

Property-Project \_\_\_\_\_ Depth Logged \_\_\_\_\_

Map \_\_\_\_\_ Scale \_\_\_\_\_ Date: Drilled \_\_\_\_\_ Logged \_\_\_\_\_

State \_\_\_\_\_ County \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_ of Sec \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

Instrument \_\_\_\_\_ Operator \_\_\_\_\_ Elevation \_\_\_\_\_ (ft/m)

Comments \_\_\_\_\_

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
755	376	11	01	78	CM

\*19-Write F if Fahrenheit, 20-Write F if Feet

Card A

Site Description	Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68			
RKGRA TG-Ø WELL 376	RB	RB			

(Approx. location, water well?, oil test?, etc.)

Card B

Map Location \*\*

Scale Unit	Map Size	N Lat	W Long
21 22 23 24 25	26 27 28 29 30	31 32 33 34 35	36 37 38 39 40
IN CM	(7.5, 15., 60.)	Degree Min	Degree Min **
CM	7.5	28. 30.	112. 52.5

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Northing	Easting	Elev
51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	71 72 73 74 75 76 77 78 79 80
21. 3	0. 6	1655. M

Use decimals

Write M if meters

Segment 1 = Depths	Conductivity	Best cond. (-K)
Start	End	End
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	76 77 78 79 80
15.	45.	70. -4.5 -0.5

Segment 2 Start →

Segment 3 Start →

Segment 4 Start →

Segment 5 Start →

Segment 6 Start →

Segment 7 Start →

Segment 8 Start →

Segment 9 Start →

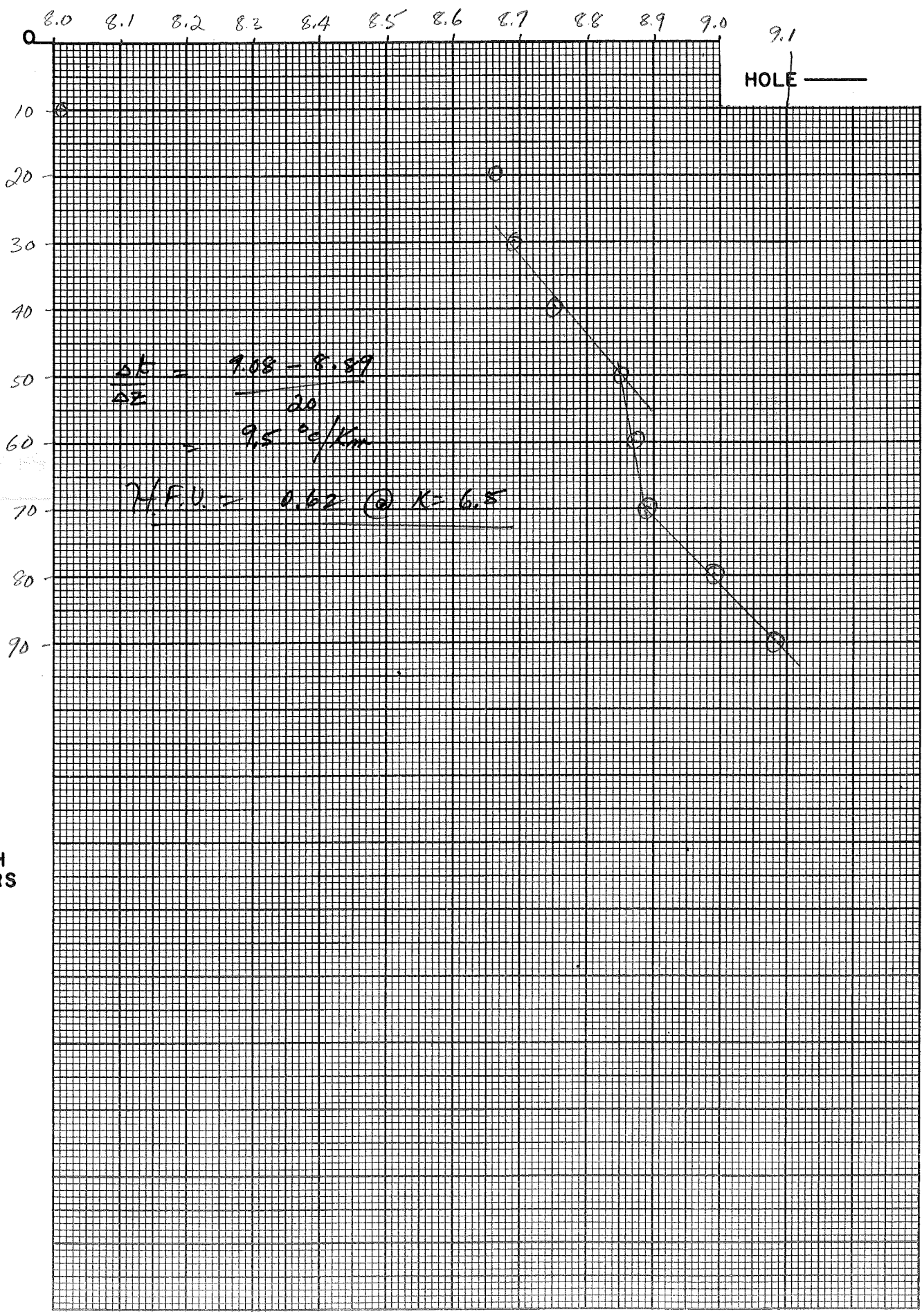
Segment 10 Start →

After final segment Start = .999









DEPTH  
METERS

↓

TEMPERATURE °C →





TEMPERATURE DEPTH LOG

Property-Project Best - 755 ΔT Well No. B-378  
 Map Lead Scale 7.5' Date: Drilled \_\_\_\_\_ Logged 1/14/78  
 State Utah County Beaver Section SWSW30 T 26S R 9W  
 Instrument Literture Operator RB Elevation 5180 ft.  
 Comments Univ. of Utah Tech. Report, vol. 77-3

COMPUTER PROCESSING

RT JUSTIFY: Proj No Well No Date Logged

Proj No				Well No						DA			MO			YR			*	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5	5						3	7	8										C/M

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
PHILLIPS																														W					NO. 4																													

5.5KM WNW SALT SP, UU PHILLIPS WW4

Card B

Scale Unit		Map Size		Map Location Δ				W Long				Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-) (E,+)																					
in	cm	(7.5, 15, 60)	cm	N Lat		Degree		Min		Degree			Min																				
21	22	23	24	25	26	27	28	29	30	31	32		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50			
7	5																																

Use decimals

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
										32.2										F									

Use decimals

Write M if meters

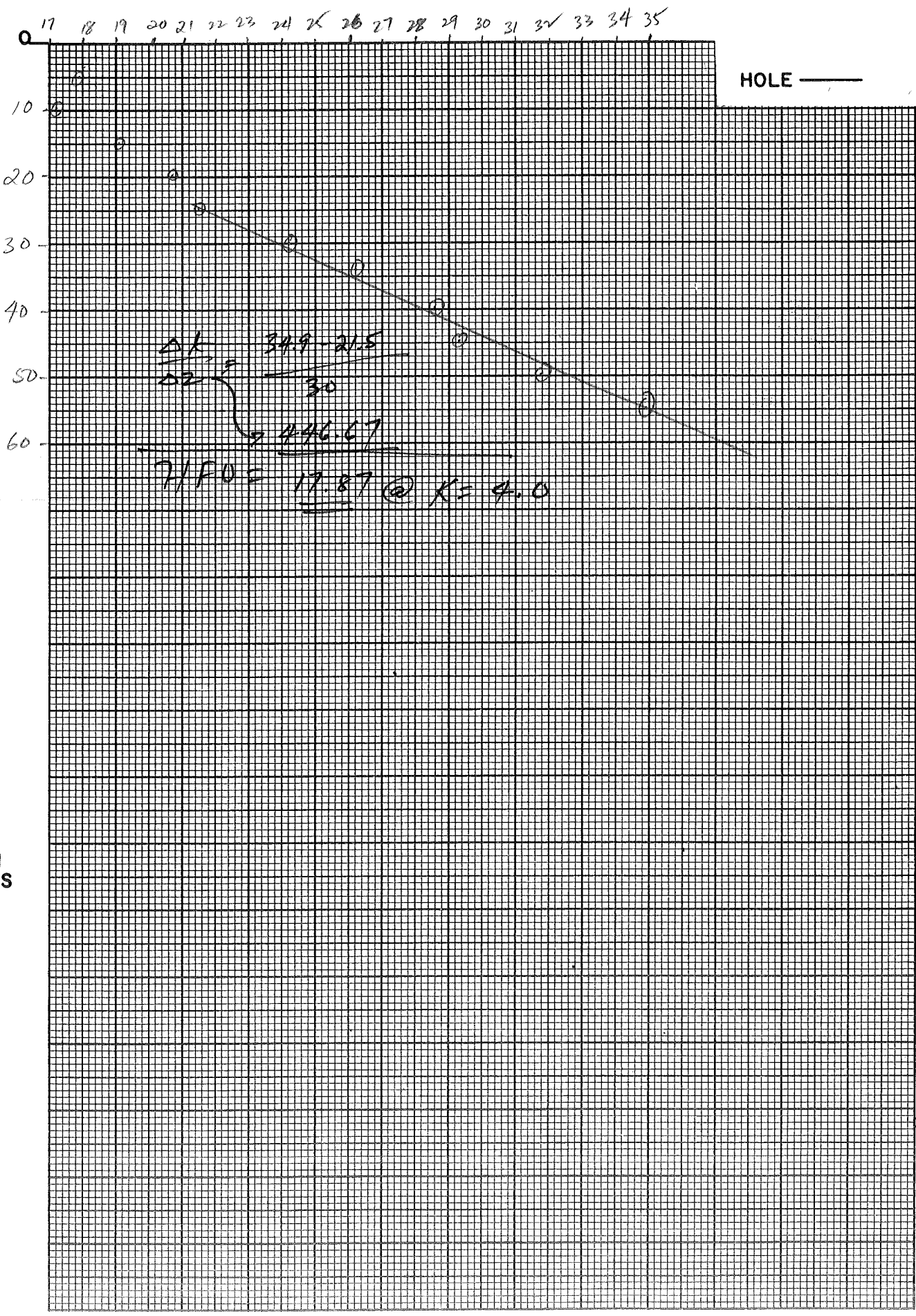
	SEGMENT DEPTH		K	ΔK																													
	Start	End																															
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50			
C	25.0										55.0											-3.0											ΔK
D																																	
E																																	
F																																	
G																																	

Continue each card below.

	SEGMENT DEPTH		K	ΔK																												
	Start	End																														
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80		
C	.999																															
D																																
E																																
F																																
G																																

Final Segment: Start = .999









TEMPERATURE DEPTH LOG

Property-Project Beal-755 ΔT Well No. B-379  
 Map Alamogordo Scale 15' Date: Drilled \_\_\_\_\_ Logged 1/11/78  
 State Utah County Beaver Section NE 17 T 27S R 9W  
 Instrument Literature Operator RB Elevation 5640 ft.  
 Comments Univ. of Utah Tech. Report; vol. 77-3

COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No				Well No						Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5	5																		C/M

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																													Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60															
PHILLIPS WATER WELL NO. 5																																																						

W. OF OPAL DOME, UU PH. WWS (17-1)

**Card B**

Scale Unit		Map Size			Map Location		N Lat		W Long		Δ
in	cm	(7.5, 15, 60)	cm	ft	cm	ft	Degree	Min	Degree	Min	Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)
	C/M				15.				113.		

Use decimals

Northing						Easting						Elev																	
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
38.45						16.14						5640																	

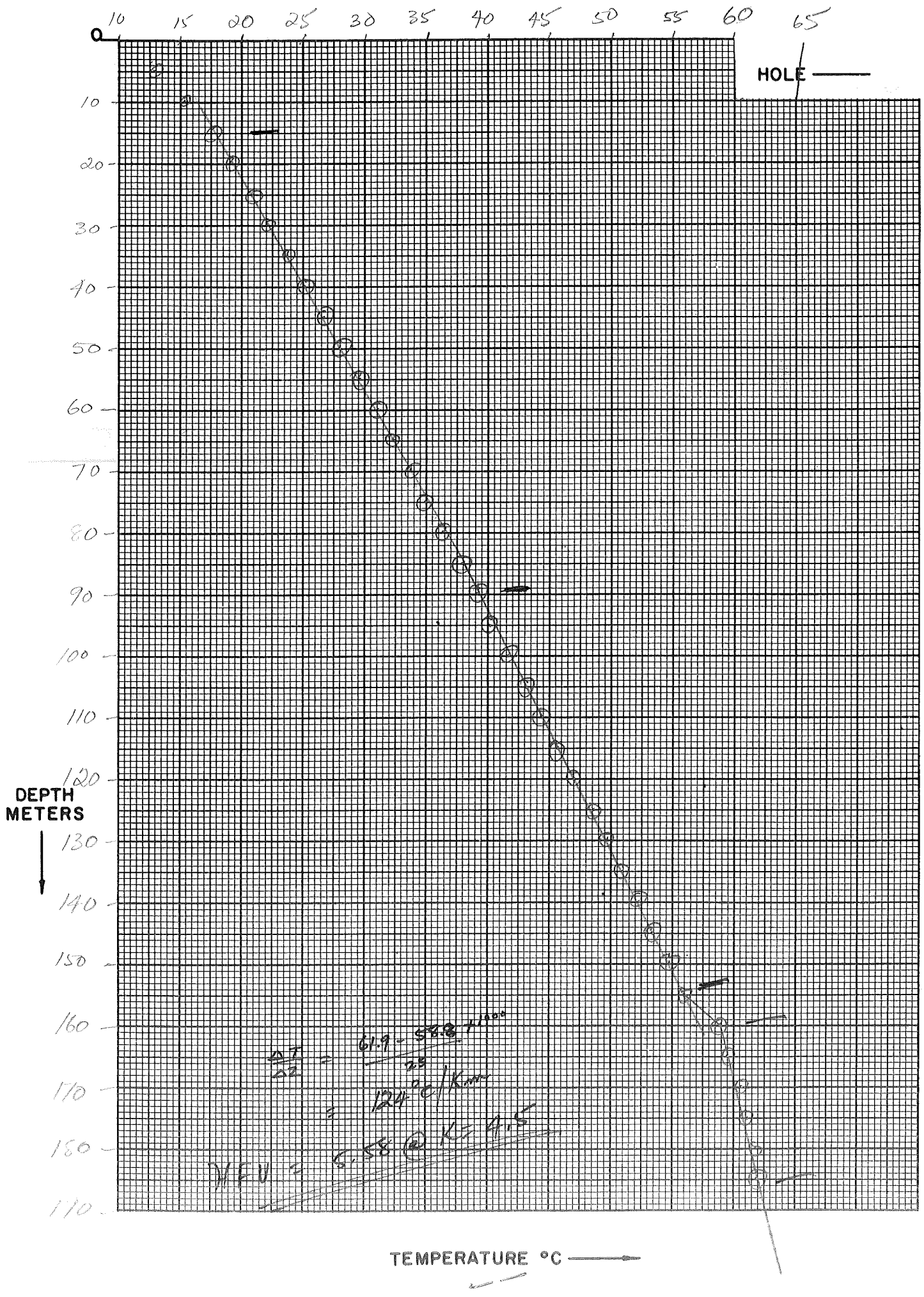
Use decimals Write M if meters

	SEGMENT DEPTH																									
	Start					End					K					ΔK										
C	15.0					90.0																				
D	155.0					160.0																				
E	.999																									
F																										
G																										

Continue each card below.

	SEGMENT DEPTH																									
	Start					End					K					ΔK										
C	90.0					155.0																				
D	160.0					185.0																				
E																										
F																										
G																										

Final Segment: Start = .999





Date Logged: \_\_\_\_\_

ΔT Well No. B-379

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		12.9					
10		15.3					
15		17.5					
20		19.1					
25		20.9					
30		22.1					
35		23.7					
40		25.2					
45		26.7					
50		28.0					
55		29.6					
60		31.2					
65		32.4					
70		33.7					
75		35.0					
80		36.4					
85		37.9					
90		39.2					
95		40.2					
100		41.6					
105		43.1					
110		44.4					
115		45.6					
120		47.0					
125		48.6					
130		49.7					
135		51.0					

K=Conductivity





TEMPERATURE DEPTH LOG

ΔT Well No. B-381

Property-Project Best - 755

Depth Logged 65m

Map Adamsville Scale 15' Date: Drilled \_\_\_\_\_ Logged 1/18/78

State Utah County Beaver Section SESE 4 T 27S R 9W

Instrument literature Operator RB Elevation 5920 ft.

Comments Univ. of Utah Tech. Report n. 77-3.

COMPUTER PROCESSING

RT JUSTIFY: → → → → → \*

Proj No				Well No						Date Logged			*						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
7	5	5								3	8	1	9	0	1	7	8		

\* 19-Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																Operator				Editor			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																
ALTERATION																																78-28				RB/RB																			

NEGRO MAG, SEC 4, UU 751B ALT.

Scale Unit		Map Size		Map Location <sup>Δ</sup>				W Long																					
in	cm	(7.5, 15, 60)	Map Size	N Lat		Degree		Min		Degree		Min																	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	CM		15.	39.		15.				113.																			

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Card B

Northing						Easting						Elev																	
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
41.3						19.2						5920.																	

Write M if meters

SEGMENT DEPTH

	Start	End	K	ΔK																												
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50		
C	20.0					35.0																										
D	.999																															
E																																
F																																
G																																

Continue each card below.

SEGMENT DEPTH

	Start	End	K	ΔK																											
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
C	35.0					65.0					-4.5					-.5															
D																															
E																															
F																															
G																															

Final Segment: Start = .999





TEMPERATURE DEPTH LOG

Property-Project Bud - 75 ΔT Well No. B-382  
 Map Pinnacle Pass Scale 7.5' Date: Drilled \_\_\_\_\_ Logged 1/18/78  
 State Utah County Beaver Section NWNW27 T 26S R 9W  
 Instrument Literture Operator RB Elevation 5700 ft.  
 Comments Univ Utah Tech Rep v. 77-3.

COMPUTER PROCESSING

RT JUSTIFY: Date Logged

Proj No					Well No					DA			MO			YR			*	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5	5			3	8	2	1	5	0	1	7	8		7	8				C

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																							Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																									
<del>BOYLES 12 R55FA</del>																																																																

2.5KM NNW SACT SP., U075-12

Card B

Scale Unit		Map Size		N Lat		W Long		Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)																					
in	cm	(7.5, 15, 60)		Degree	Min	Degree	Min																						
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	CM			7	5	38		30		11	2	52	5																

Use decimals

Northing					Easting					Elev																				
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
13.0										5.4					5700.	F														

Use decimals

Write M if meters

	SEGMENT DEPTH		K	ΔK																													
	Start	End																															
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50			
C	15.0										25.0																						
D	.999																																
E																																	
F																																	
G																																	

Continue each card below.

	SEGMENT DEPTH		K	ΔK																													
	Start	End																															
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80			
C	25.0										34.5																						
D																																	
E																																	
F																																	
G																																	

Final Segment: Start = .999







18 20 22 24 26 28 30 32 34 36 38

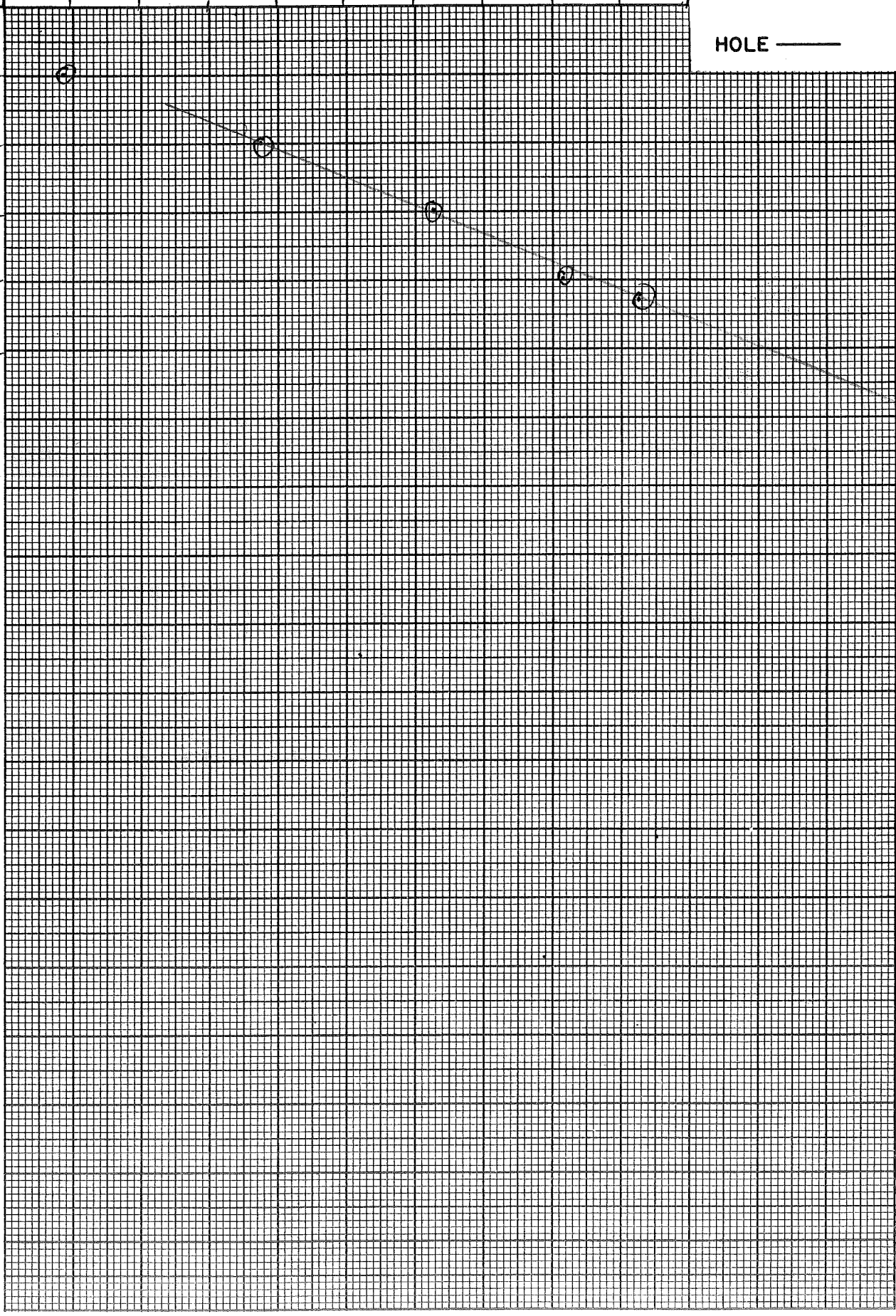
HOLE ———

10  
20  
30  
40  
50

DEPTH  
METERS



TEMPERATURE °C ———>













TEMPERATURE DEPTH LOG

Property-Project Bust-755 ΔT Well No. B-385  
 Map Pinnacle Pass Scale 7.5' Date: Drilled \_\_\_\_\_ Logged 1/18/78  
 State Utah County Beaver Section NESW 34 T 26 S R 9 W  
 Instrument Literature Operator RB Elevation 5980 ft.  
 Comments Univ Utah Tech Rep ~~no 77-5~~ 77-5

COMPUTER PROCESSING

RT JUSTIFY: / Proj No Well No Date Logged  
 DA MO YR \*

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
755				385						18			01		78		CM		

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																																		Operator						Editor			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																				
.2 KM SW OF SALT SPRING																																								RB						RB													

Card B

Scale Unit		Map Size		Map Location <sup>Δ</sup>				W Long																					
in	cm	(7.5, 15, 60)	Degree	N Lat		Degree		Min		Degree		Min																	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
CM		7.5		39.		30.		112.		52.5																			

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A.6										7.65750										F									

Use decimals

Write M if meters

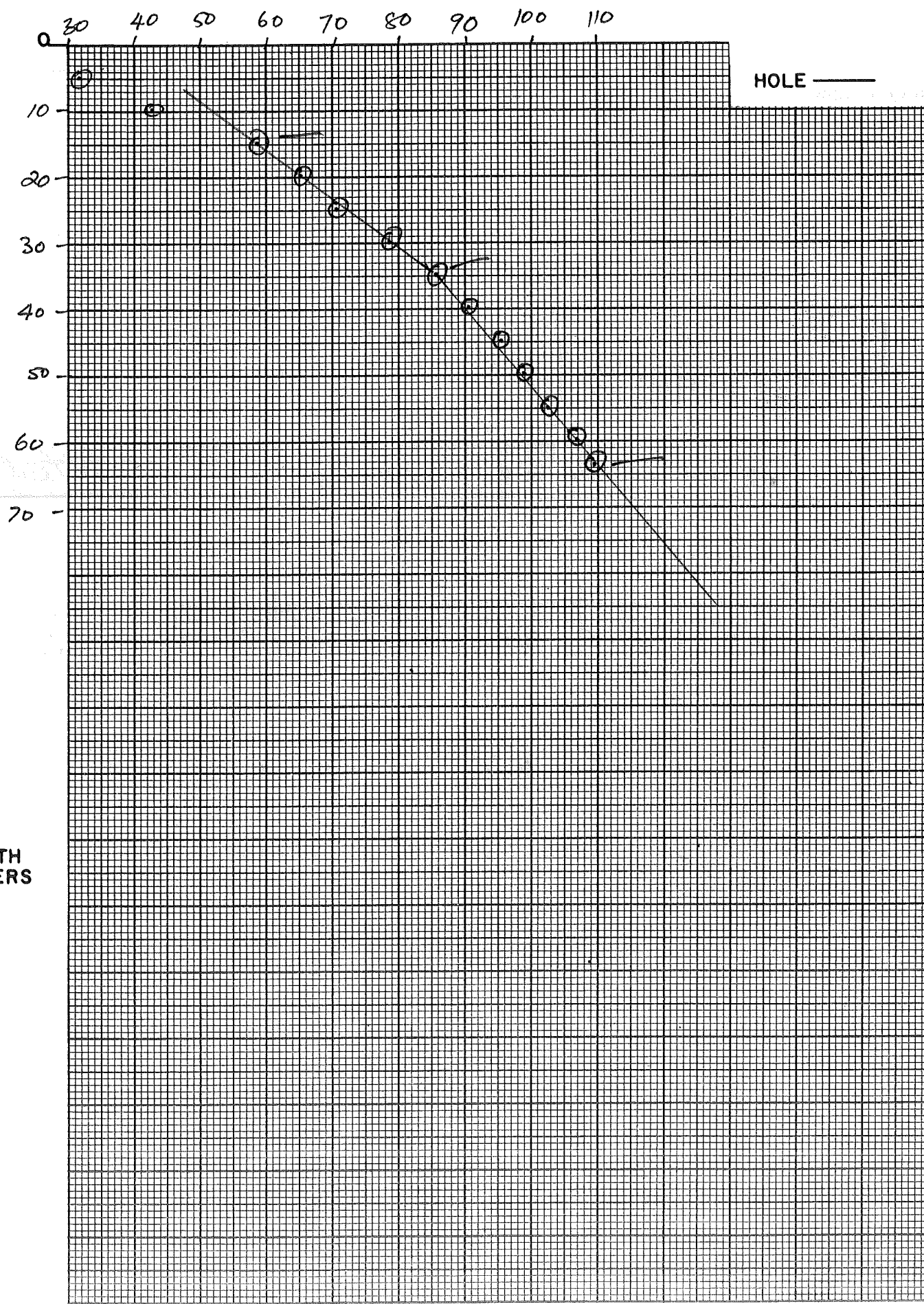
	SEGMENT DEPTH		K	ΔK
	Start	End		
C	15.0	35.0		
D	.999			
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	35.0	63.5	-5.0	-1.5
D				
E				
F				
G				

Final Segment: Start = .999





DEPTH  
METERS



TEMPERATURE °C



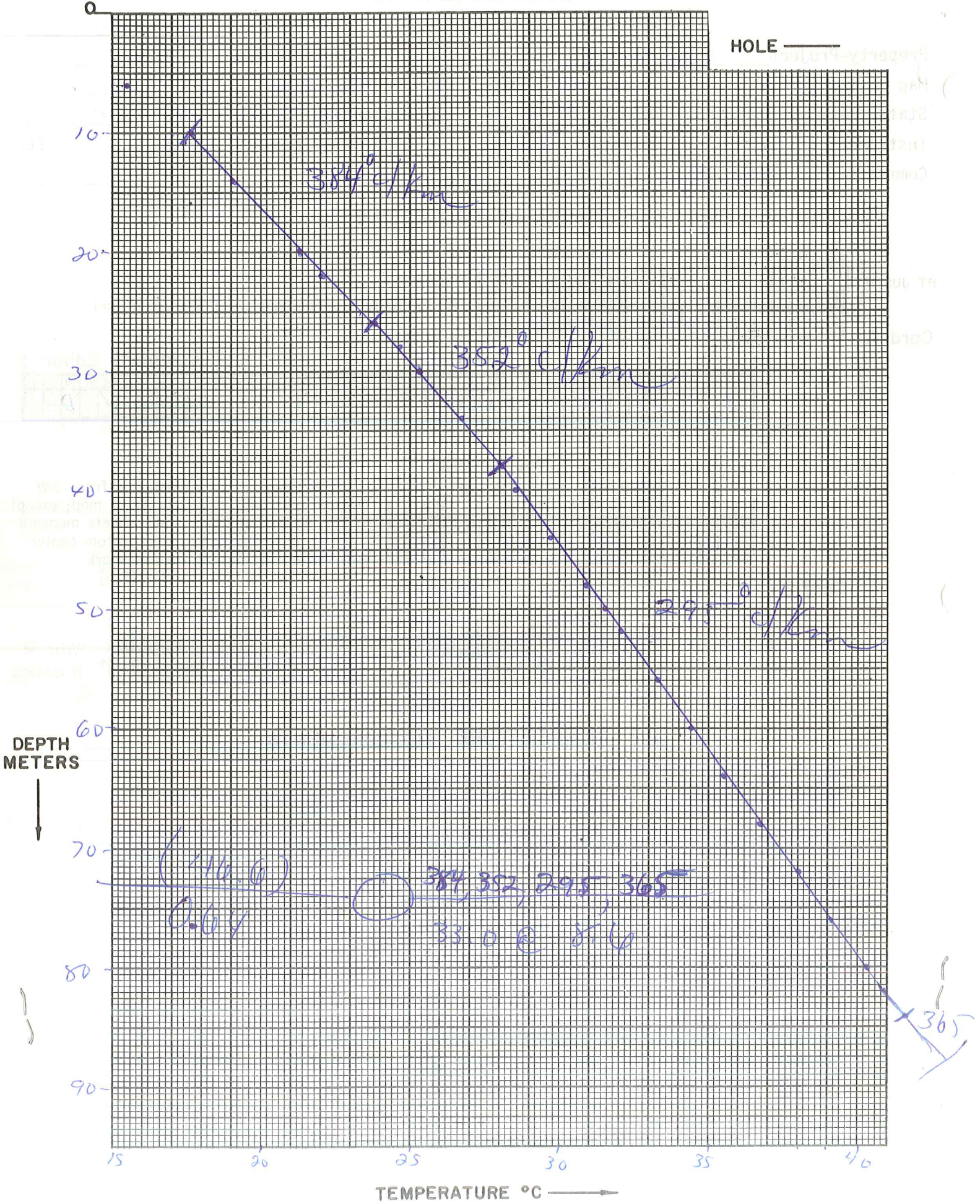








HOLE ———





Date Logged: 10 - APRIL - 78ΔT Well No. 386

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
6	12457	15.42					
8	11884	16.80	1.38				
10	11537	17.66	0.86	440			
12	11279	18.31	0.65	325			
14	11001	19.03	0.72	360			
17	10599	20.09	1.06	353			
19	10281	20.95	0.86	430			
20	10149	21.32	0.37	370			
22	9878	22.08	0.76	380			
24	9601	22.87	0.79	395			
26	9287	23.80	0.93	465			
28	9014	24.63	0.83	415			
30	8793	25.31	0.68	340			
32			1.39				
34	8360	26.70					
36	8129	27.47	0.77	385			
38	7967	28.02	0.55	275			
40	7813	28.56	0.54	270			
42	7640	29.17	0.61	305			
44	7480	29.74	0.57	285			
46	7325	30.31	0.57	285			
48	7157	30.94	0.63	315			
50	7020	31.47	0.53	265			
52	6850	32.13	0.66	330			
54	6703	32.72	0.59	295			
56	6565	33.28	0.56	280			
58	6427	33.85	0.57	285			

K=Conductivity

page \_\_\_\_\_ of \_\_\_\_\_





TEMPERATURE DEPTH LOG

ΔT Well No. B-387

Property-Project THERMEX

Depth Logged 435

Map COUE FORT Scale 15 Date: Drilled FEB-78 Logged 10-APRIL-78

State UTAH County MILLARD Section NE-NW 4 T 25 S R 6 W

Instrument # 46 Operator JED Elevation 6240 ft.

Comments 2" STEEL PIPE, HUNT DRILL HOLE

COMPUTER PROCESSING

RT JUSTIFY: → → → → \*

Proj No				Well No						DA	MO	YR	*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	7	7						3	8	7	10	0	4	7	8					CM

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Card A

Site Description																																														Operator				Editor			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60														
I	N	T	H	O	U	S	A	N	D	D	O	L	L	A	R	G	U	L	C	H											J	E	D	/																			

Scale Unit		Map Size		Map Location <sup>Δ</sup>																									
in	cm	(7.5, 15., 60)	N Lat		W Long																								
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
CM			15.		38.	30.	112.	45.																					

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Card B

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

Write M if meters

SEGMENT DEPTH

	Start	End	K	ΔK																														
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50				
C	1	0	0	.	0						1	1	5	.	0							-	9	.	1							-	1	5
D	2	5	0	.	0						2	6	0	.	0																			
E	4	1	0	.	0						4	2	5	.	0																			
F	.	9	9	9																														
G																																		

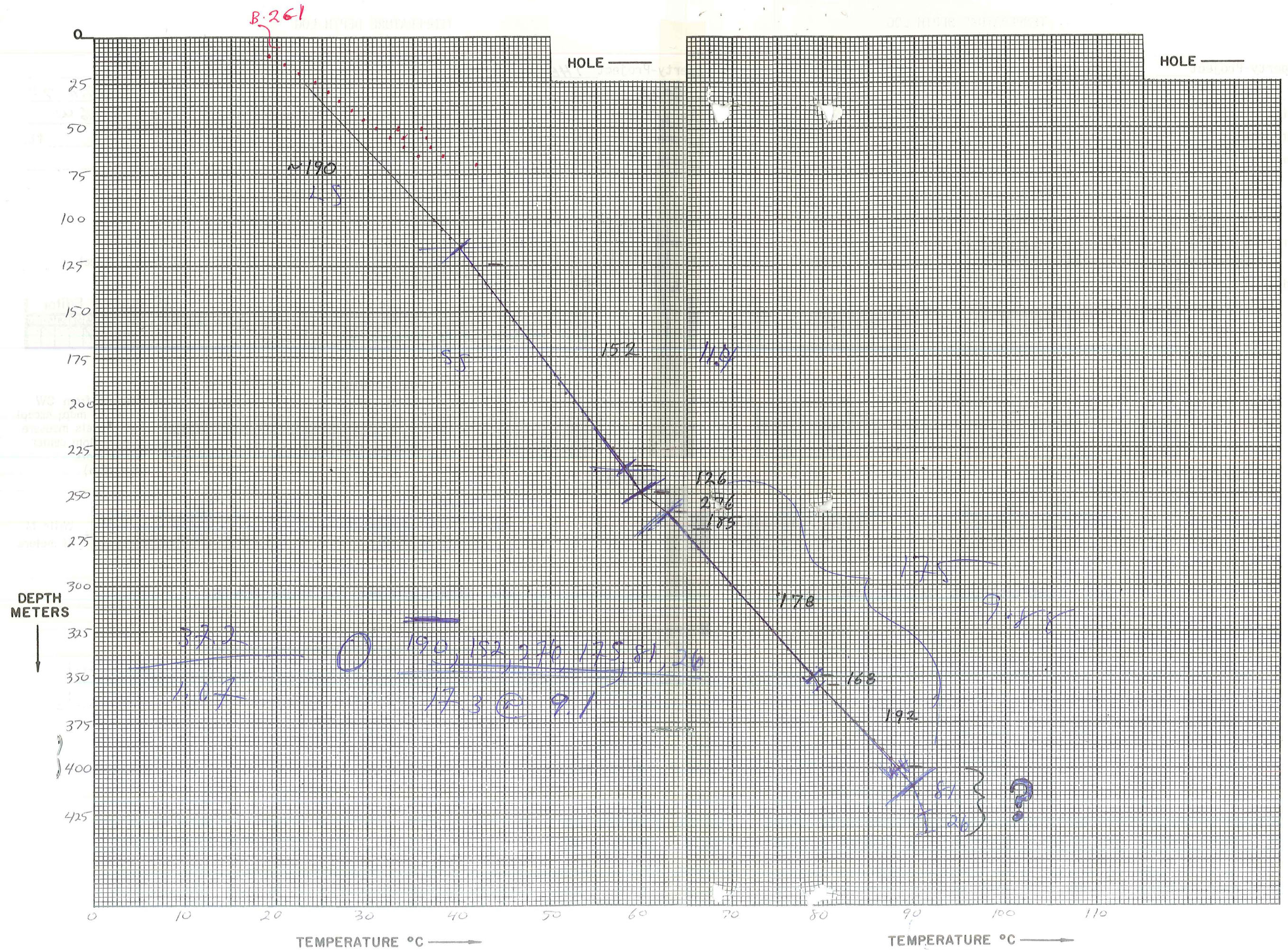
Continue each card below.

SEGMENT DEPTH

	Start	End	K	ΔK																														
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				
C	1	1	5	.	0						2	5	0	.	0																			
D	2	6	0	.	0						4	1	0	.	0																			
E	4	2	5	.	0						4	3	5	.	0																			
F																																		
G																																		

Final Segment: Start = .999







Date Logged: 10-APRIL-78AT Well No. 387

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
100	5673	37.21					
			0.97	194			
105	5474	38.18					
			0.95	190			
110	5282	39.13					
			0.00	200			
115	5090	40.13					
			0.47				
120	5001	40.60					
			0.77	154			
125	4860	41.37					
			0.78	156			
130	4722	42.15					
			0.73	146			
135	4595	42.88					
			0.79	158			
140	4462	43.67					
			0.78	156			
145	<del>4336</del> 434	44.45					
			0.73	146			
150	4220	45.18					
			0.74	148			
155	4105	45.92					
			0.78	156			
160	3990	46.69					
			0.72	144			
165	3885	47.41					
			0.77	154			
170	3777	48.18					
			0.74	148			
175	3675	48.92					
			0.70	140			
180	3581	49.62					
			0.71	142			
185	3489	50.33					
			0.49				
190	3426	50.82					
			0.79	158			
195	3329	51.61					
			0.84	168			
200	3228	52.45					
			0.96	192			
205	3116	53.41					
			0.76	152			
210	3031	54.17					
			0.80	160			
215	2944	54.97					
			0.85	170			
220	2855	55.82					
			0.88	176			
225	2765	56.70					
			0.66	132			
230	2700	57.36					

K=Conductivity

Date Logged: \_\_\_\_\_

ΔT Well No. 387

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
<del>235</del>	2631	58.07	0.71	142			
240	2569	58.74	0.67	134			
245	2523	59.24	0.50	100			
250	2458	59.96	0.72	144			
255	2324	61.53	1.57	314			
260	2228	62.72	1.19	238			
265	2155	63.65	0.93	186			
270	2086	64.57	0.92	184			
275	2019	65.49	0.92	184			
280	1960	66.26	0.77	154			
285	<del>18997</del> 1903	67.23	0.97	194			
290	18429	68.09	0.86	172			
295	17856	69.00	0.91	182			
300	17345	69.84	0.84	168			
305	16782	70.79	0.95	190			
310	16258	71.71	0.91	182			
315	15721	72.68	0.97	194			
320	15263	73.55	0.87	174			
325	14810	74.43	0.88	178			
330	14370	75.31	0.88	176			
335	13944	76.20	0.89	178			
340	13543	77.06	0.86	172			
345	13163	77.91	0.85	170			
350	12760	78.83	0.92	184			
355	12410	79.67	0.84	168			
360	12031	80.60	0.93	186			
365	11671	81.51	0.91	182			

K=Conductivity

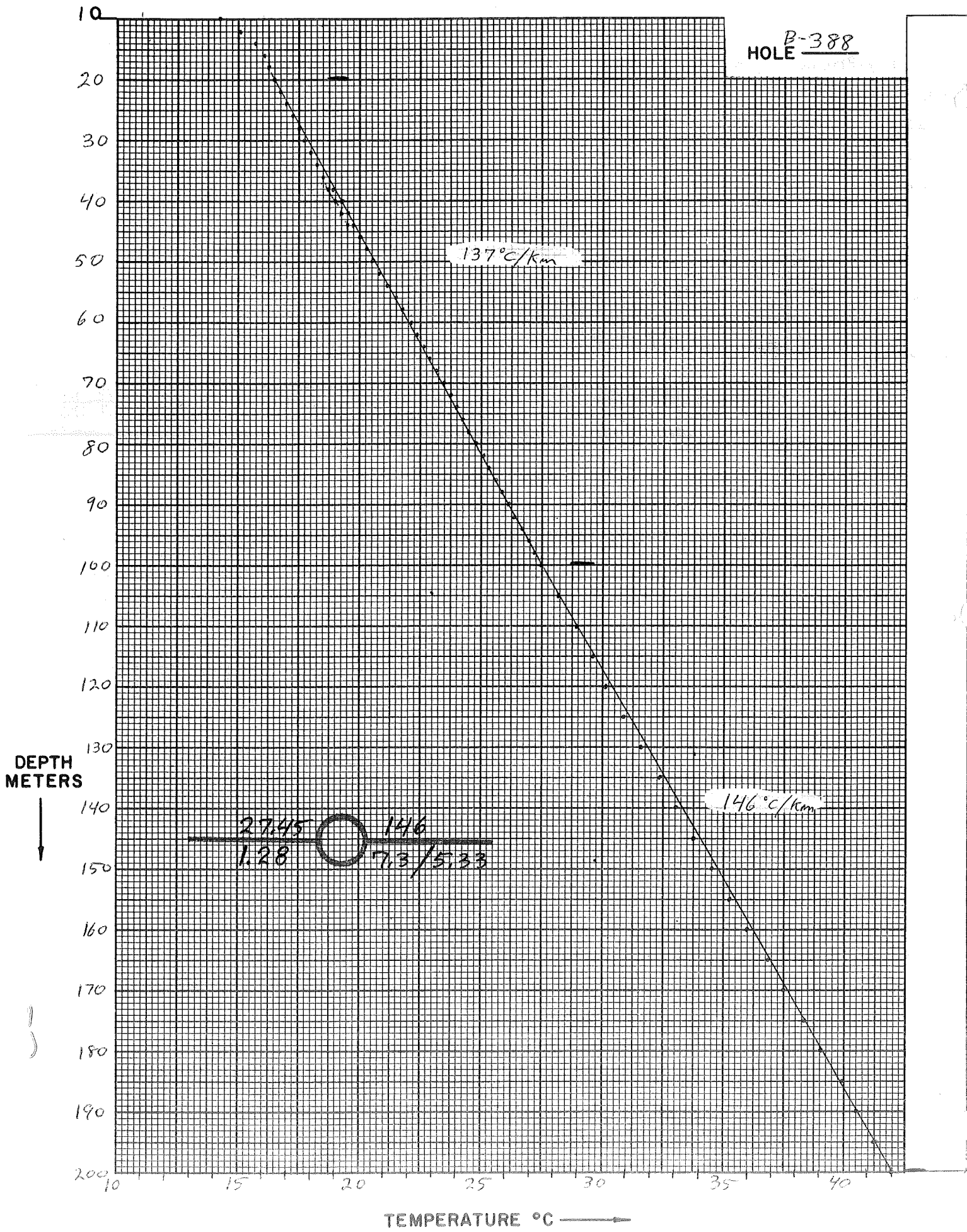








HOLE B-388



DEPTH METERS  
↓

TEMPERATURE °C →

Date Logged: 4-MAY-78 $\Delta T$  Well No. B-388

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
6	13630	12.74					
8	13305	13.46					
10	12959	14.25	0.79	<del>395</del> 158			
12	12620	15.04	0.79	<del>395</del> 158			
14	12362	15.65	0.61	<del>305</del> 122			
16	12199	16.04	0.39	195			
18	12107	16.26	0.22	110			
20	12017	16.47	0.21	105			
22	11914	16.73	0.26	130			
24	11815	16.97	0.24	120			
26	11709	17.23	0.26	130			
28	11611	17.47	0.24	120			
30	11515	17.71	0.24	120			
32	11406	17.99	0.28	140			
34	11294	18.27	0.28	140			
36	11185	18.55	0.27	135			
38	11053	18.89	0.34	170			
40	10924	19.23	0.34	170			
42	10823	19.49	0.26	130			
44	10722	19.76	0.26	130			
46	10614	20.05	0.29	145			
48	10515	20.31	0.26	130			
50	10415	20.58	0.27	135			
52	10321	20.84	0.26	130			
54	10203	21.17	0.33	165			
56	10096	21.46	0.29	145			
58	10001	21.73	0.27	135			

K=Conductivity



Date Logged: \_\_\_\_\_

 $\Delta T$  Well No. B-388

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
60	9865	22.11	0.38	190			
62	9781	22.35	0.24	120			
64	9688	22.62	0.27	135			
66	9595	22.89	0.27	135			
68	9492	23.19	0.30	150			
70	9396	23.47	0.28	140			
72	9303	23.75	0.28	140			
74	9215	24.02	0.27	135			
76	9129	24.28	0.26	130			
78	9039	24.55	0.27	135			
80	8945	24.84	0.29	145			
82	8866	25.09	0.25	125			
84	8785	25.34	0.25	125			
86	8700	25.61	0.27	135			
88	8621	25.86	0.25	125			
90	8544	26.11	0.25	125			
92	8460	26.38	0.27	135			
94	8371	26.67	0.29	145			
96	8291	26.93	0.26	130			
98	8217	27.18	0.25	125			
100	8135	27.45	0.27	135			
<del>102</del>	<del>8052</del>	<del>27.72</del>	0.72	144			
105	7923	28.17	0.76	152			
110	7706	28.93	0.73	146			
115	7502	29.66	0.73	146			
120	7374	30.13	0.47	94			
125	7179	30.86	0.73	146			
130	6989	31.59	0.73	146			

K=Conductivity





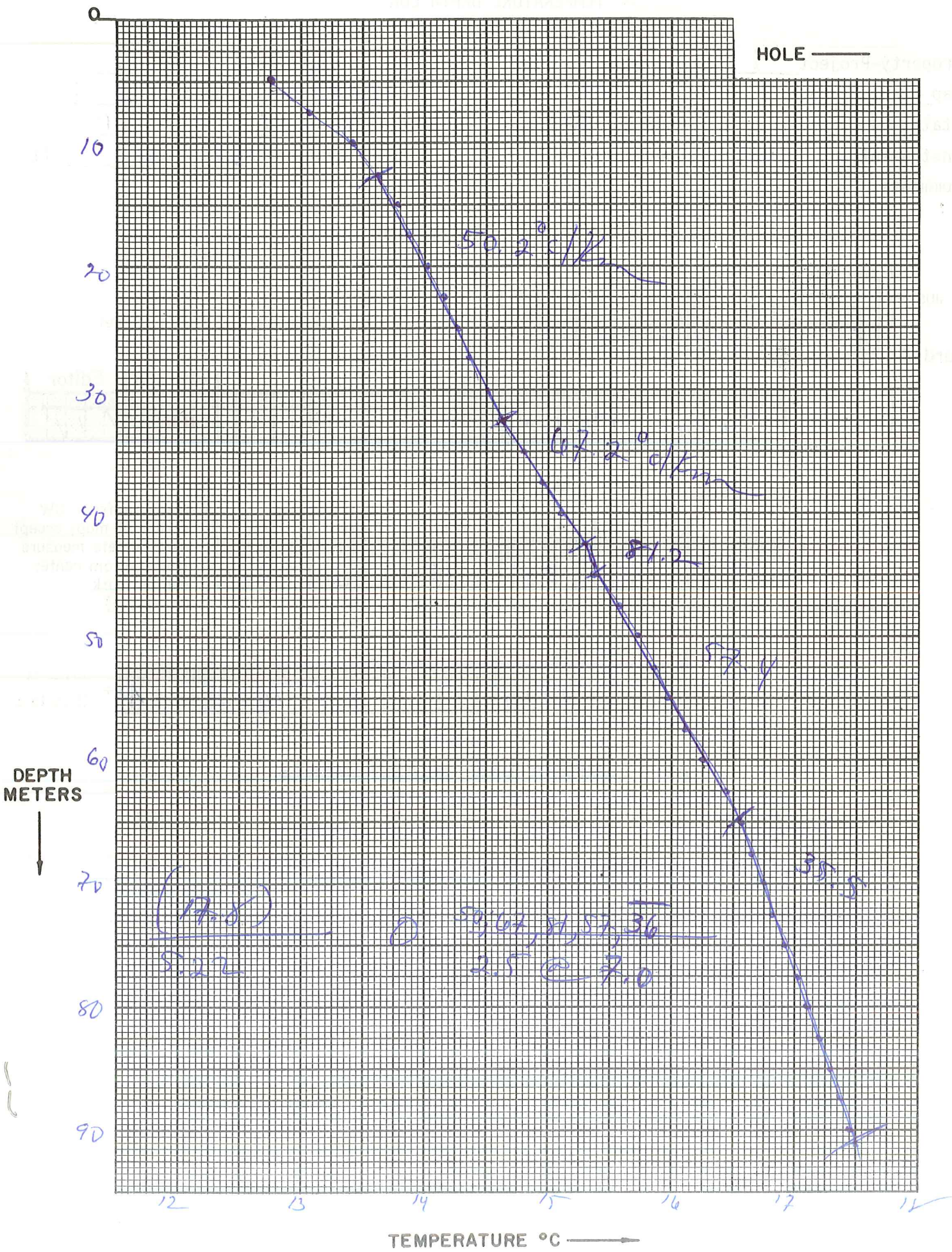








HOLE ———





Date Logged: 4/8/77

ΔT Well No BPC # 2 - B-389

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		12.767					
7.5		13.057		116			
10		13.436		151.6			
12.5		13.633		78.8			
15		13.778		58			
17.5		13.858		32			
20		14.027		67.6			
22.5		14.157		52			
25		14.259		40.8			
27.5		14.355		38.4			
30		14.519		65.6			
32.5		14.637		47.2			
35		14.804		66.8			
37.5		14.950		58.4			
40		15.106		62.4			
42.5		15.309		81.2			
45		15.413		41.6			
47.5		15.581		67.2			
50		15.723		56.8			
52.5		15.850		50.8			
55		15.977		50.8			
57.5		16.108		52.4			
60		16.262		64.0			
62.5		16.453		74.0			
65.0		16.561		43.2			
67.5		16.656		38.0			
70		16.726		28.0			

K=Conductivity





TEMPERATURE DEPTH LOG

ΔT Well No. GPC-4 = B-390

Property-Project Best Depth Logged 91 m

Map Adamsville Scale 15 Date: Drilled 14/6/77 Logged 4/8/77

State Utah County Beaver Section NWNW 33 T27S R 9W

Instrument Univ Utah Operator \_\_\_\_\_ Elevation 1804 m ft.

Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: **Card A**

Proj No					Well No					Date Logged			*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*
7	5	5			3	9	0			0	7		C

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	4	4					2	2												

**Card B**

Scale Unit		Map Size		Map Location Δ				N Lat		W Long	
in	cm	(7.5, 15, 60)		Degree	Min	Degree	Min	Degree	Min	Degree	Min
	Cm	15		38	15	113	00				

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
				30																									

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	12.5	45.0		
D	55.0	62.5		
E	72.5	70.0	-7.3	-1.5
F				
G				

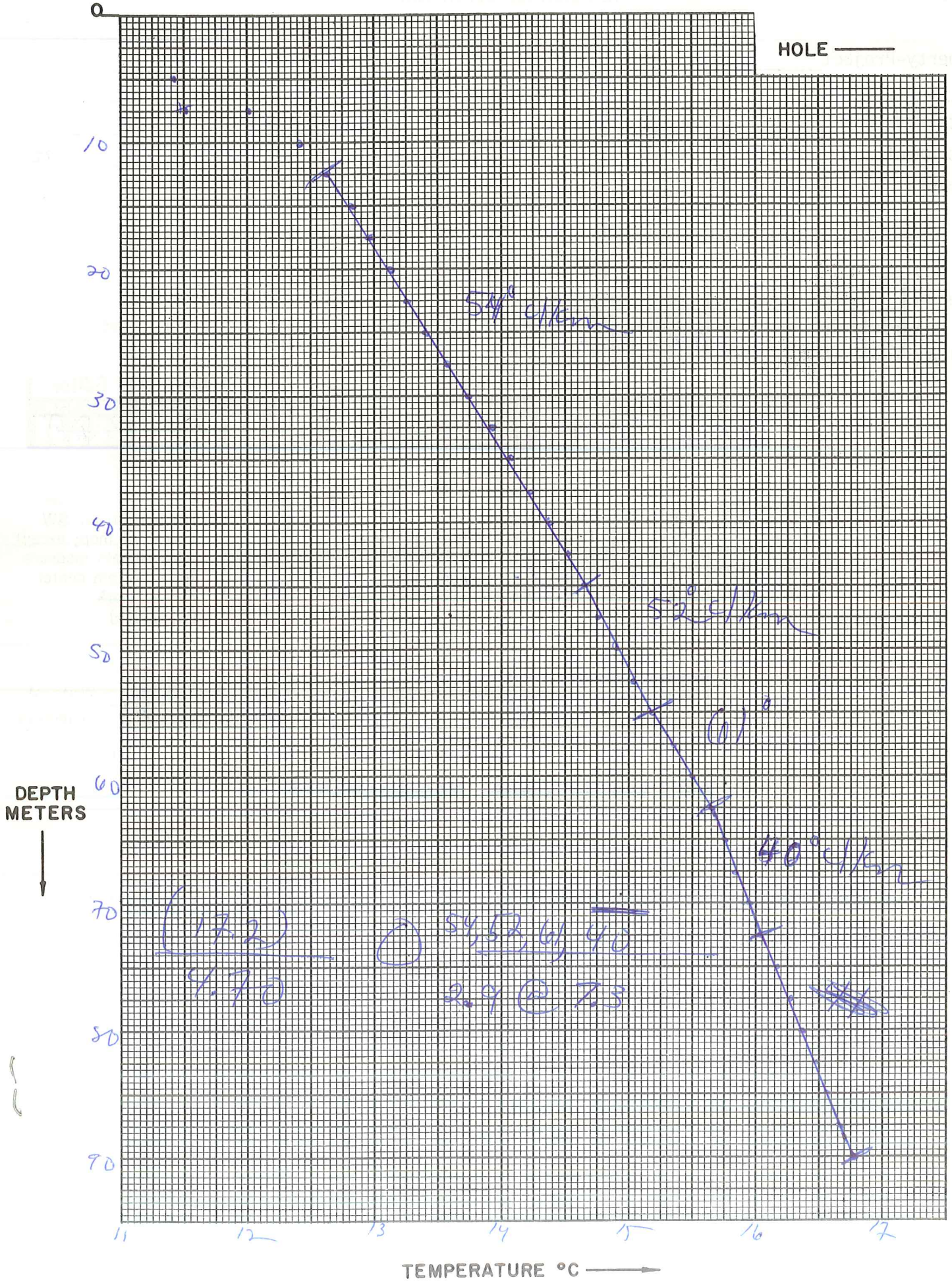
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	45.0	55.0		
D	62.5	72.5		
E	79.9			
F				
G				

Final Segment: Start = .999



HOLE ———





Date Logged: 4/8/77

ΔT Well No GPC-4 = B-390

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		11.427					
7.5		12.011		229.6			
10		12.432		172.4			
12.5		12.639		82.8			
15		12.819		72.0			
17.5		12.977		63.2			
20		13.136		63.6			
22.5		13.267		52.4			
25		13.402		54.0			
27.5		13.594		76.8			
30		13.754		64.0			
32.5		13.940		74.4			
35		14.074		53.6			
37.5		14.241		66.8			
40		14.396		62.0			
42.5		14.532		54.4			
45		14.671		55.6			
47.5		14.762		36.4			
50		14.911		59.6			
52.5		15.045		53.6			
55		15.186		56.4			
57.5		15.349		65.2			
60		15.503		61.6			
62.5		15.644		56.4			
65		15.745		40.4			
67.5		15.836		36.4			
70		15.952		46.4			

K=Conductivity

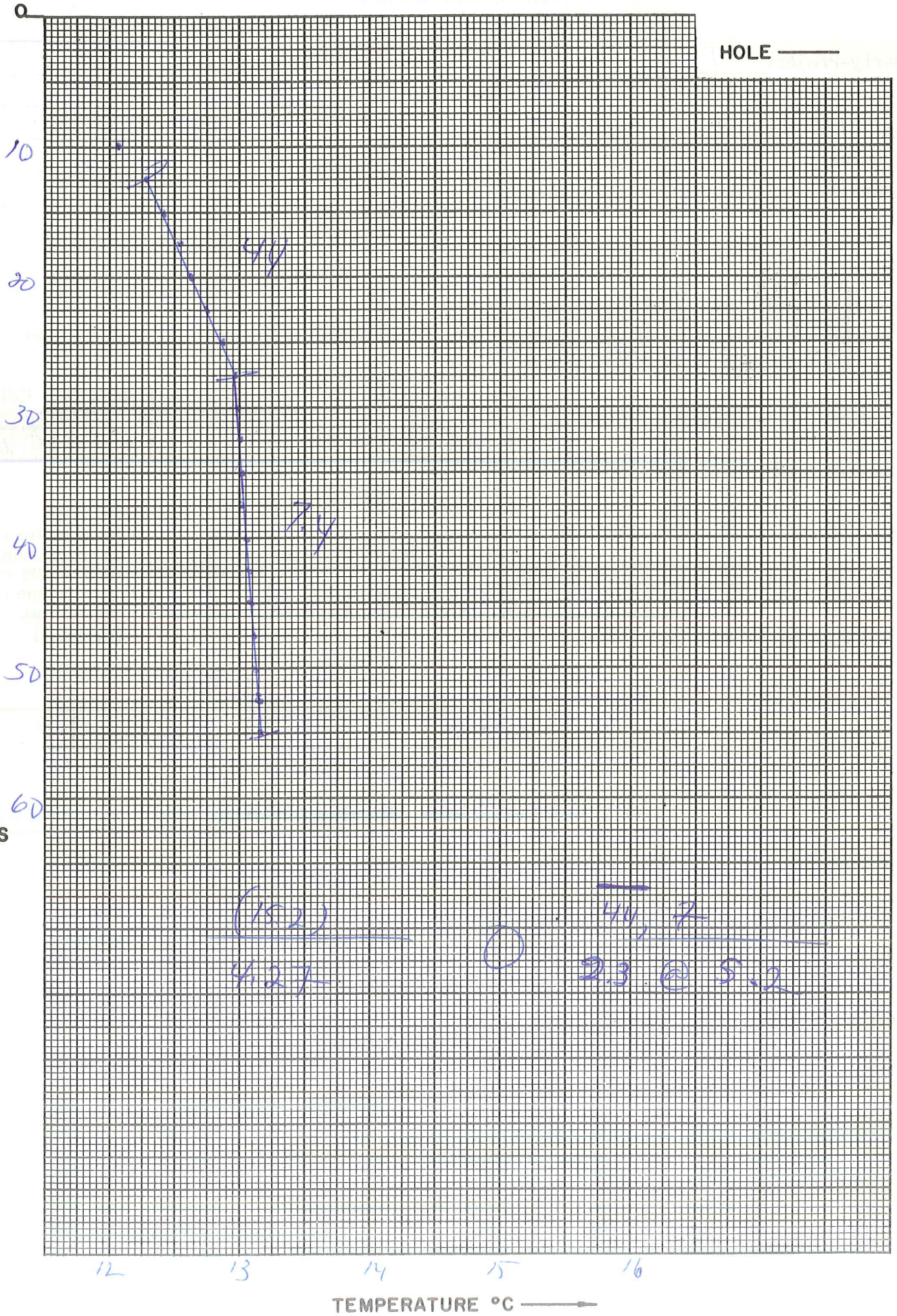








HOLE ———









TEMPERATURE DEPTH LOG

Property-Project Best ΔT Well No. GPC-7 = B-392  
 Map Adamsville Scale 15' Date: Drilled 27/6/77 Logged 4/8/77  
 State Utah County Beaver Section SW NW 13 T 27 S R 9 W  
 Instrument U of U Operator — Elevation 2213 m ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Proj No Well No Date Logged

Proj No				Well No						DA			MO			YR			*	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5	5		3	9	2				4	7	7			7	7				C

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																		Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	U	U				U	U													

Card B

Scale Unit		Map Size		Map Location Δ				W Long																									
in	cm	(7.5, 15, 60)		N Lat		Degree		Min		Degree		Min																					
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50				
C	m	15	.	37	.	15	.	113	.	00	.																						

Use decimals

Northing					Easting					Elev																				
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
37.9					25.0					2213					M															

Use decimals

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	15.0	65.0		
D	.999			
E				
F				
G				

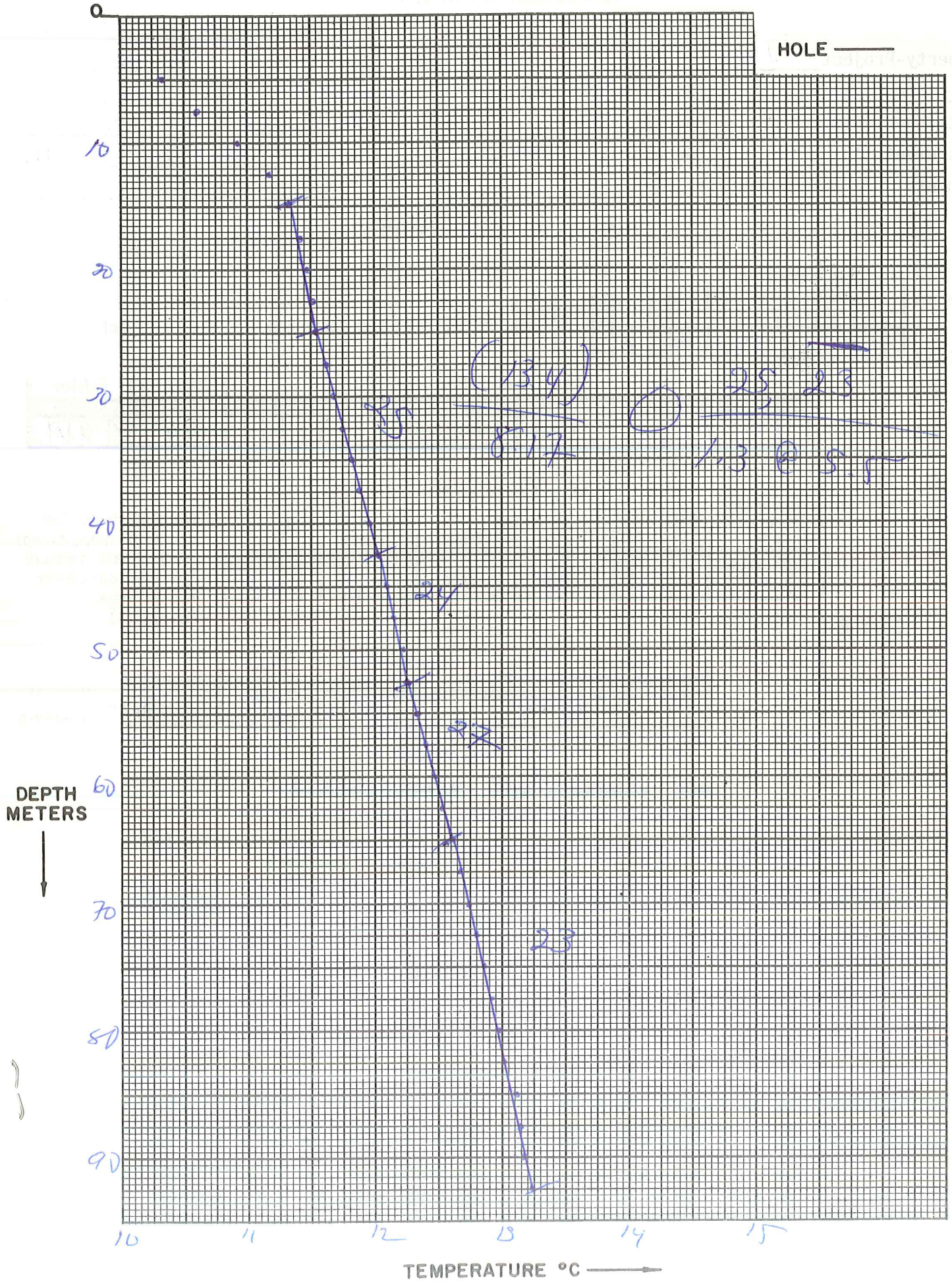
Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	65.0	92.5	75.5	75.5
D				
E				
F				
G				

Final Segment: Start = .999



HOLE ———





Date Logged: 4/8/77

ΔT Well No. GOC-7-B-392

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		10.335		106.4			
7.5		10.604		128.0			
10		10.924		94.4			
12.5		11.160		64.4			
15		11.321		42.4			
17.5		11.427		20.0			
20		11.477		14.0			
22.5		11.512		14.8			
25		11.549		30.0			
27.5		11.624		27.2			
30		11.692		26.4			
32.5		11.758		24.8			
35		11.820		29.6			
37.5		11.894		29.2			
40		11.963		25.2			
42.5		12.026		27.6			
45		12.095		28.8			
47.5		12.167		20.8			
50		12.219		18.4			
52.5		12.265		29.2			
55		12.338		26.4			
57.5		12.404		29.6			
60		12.478		27.6			
62.5		12.547		22.6			
65		12.602		29.6			
67.5		12.676		26.4			
70		12.742					

K=Conductivity

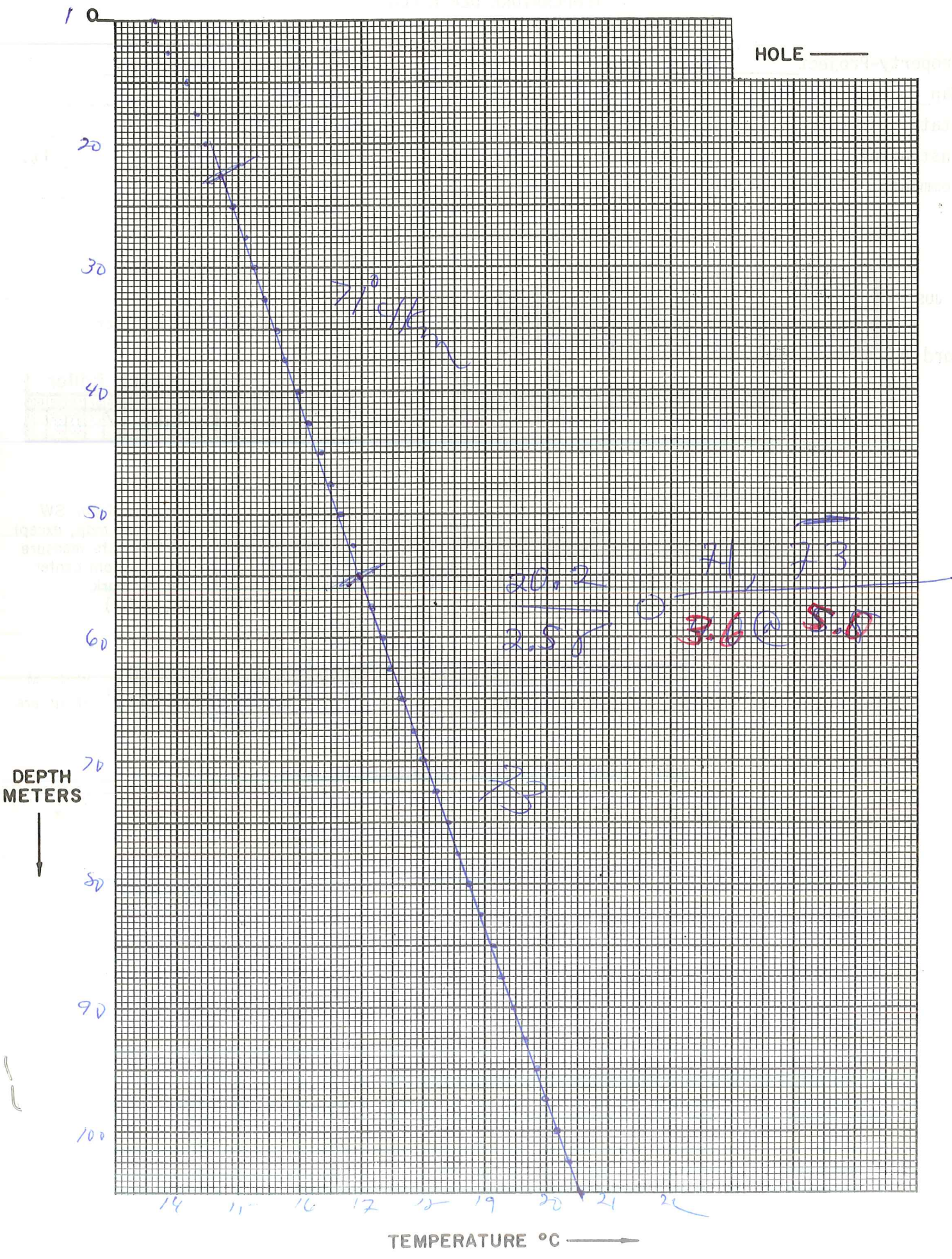








HOLE ———





Date Logged: 5/8/77

ΔT Well No. GDC-8-B-393

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		12.872					
7.5		13.306		197.6			
10		13.663		142.8			
12.5		13.867		81.6			
15		14.193		130.4			
17.5		14.322		57.6			
20		14.480		63.2			
<del>22.5</del>		14.702		88.8			
25		14.906		81.6			
27.5		15.103		78.8			
30		15.268		66.0			
32.5		15.438		68.0			
35.0		15.611		69.2			
37.5		15.787		70.4			
40.		16.082		86.0			
42.5		16.145		57.2			
45		16.336		76.4			
47.5		16.504		67.2			
50.		16.685		72.4			
52.5		16.856		66.0			
<del>55.</del>		16.999		59.6			
57.5		17.167		67.2			
60		17.340		69.2			
62.5		17.484		57.6			
65		17.668		73.6			
67.5		17.847		71.6			
70		18.009		64.8			

K=Conductivity

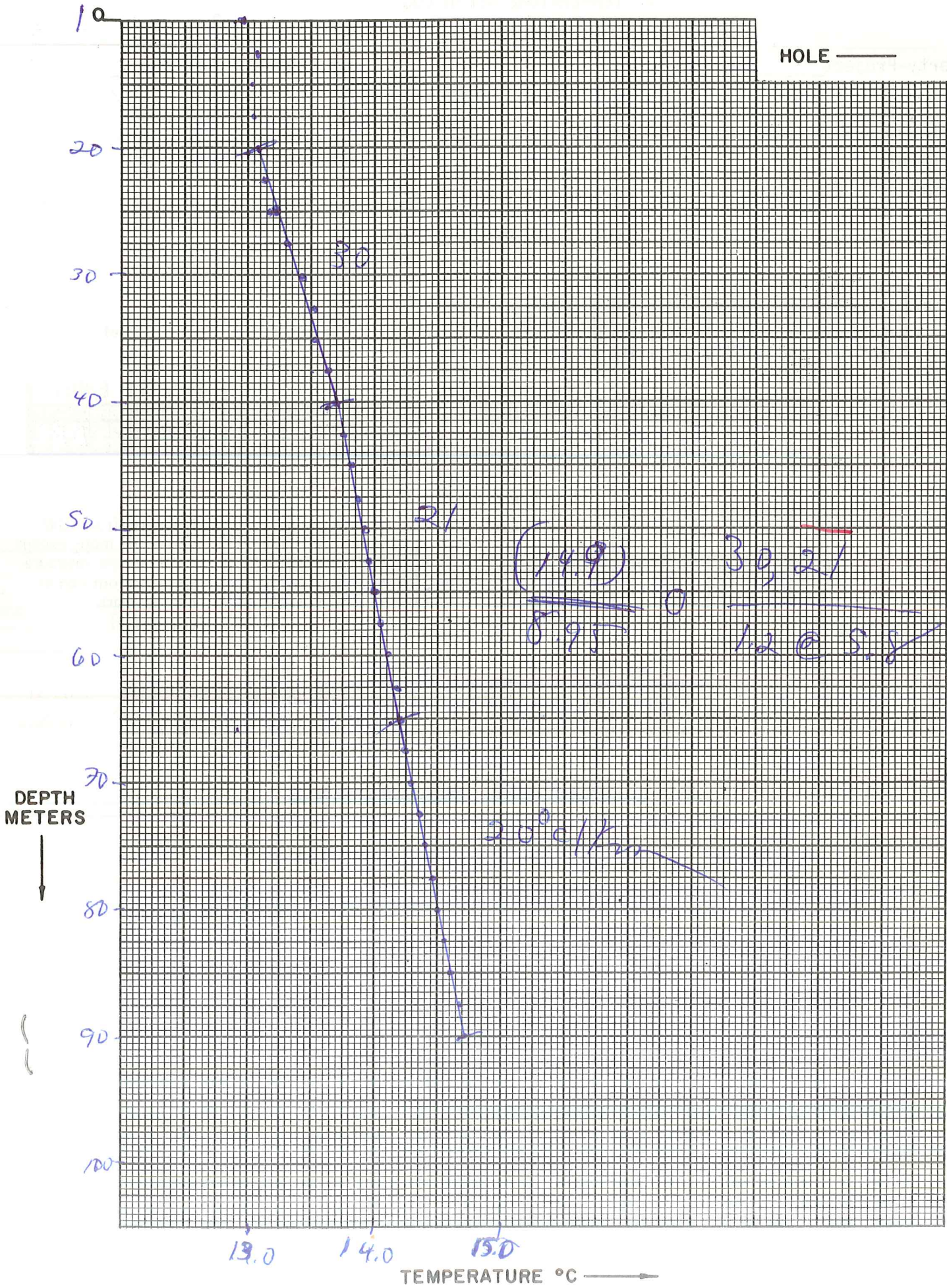








HOLE ———





Date Logged: \_\_\_\_\_

 $\Delta T$  Well No. GPC-9 = B-394

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
10		12.998		33.2			
12.5		13.081		-2.0			
15		13.031		3.6			
17.5		13.040		19.2			
<del>20</del>		13.088		22.0			
22.5		13.143		30.8			
25		13.222		37.2			
27.5		13.313		52.0			
30		13.443		32.0			
32.5		13.523		4			
35		13.533		35.2			
37.5		13.621		28.4			
<del>40</del>		13.692		25.6			
42.5		13.756		23.6			
45		13.815		20.0			
47.5		13.865		16.8			
50		13.907		19.2			
52.5		13.985		19.6			
55		14.004		21.2			
57.5		14.057		21.2			
60		14.110		24.0			
62.5		14.170		14.0			
<del>65</del>		14.205		17.2			
67.5		14.248		20.4			
70		14.299		22.4			
72.5		14.355		19.6			
75		14.404					

K=Conductivity

page \_\_\_\_\_ of \_\_\_\_\_

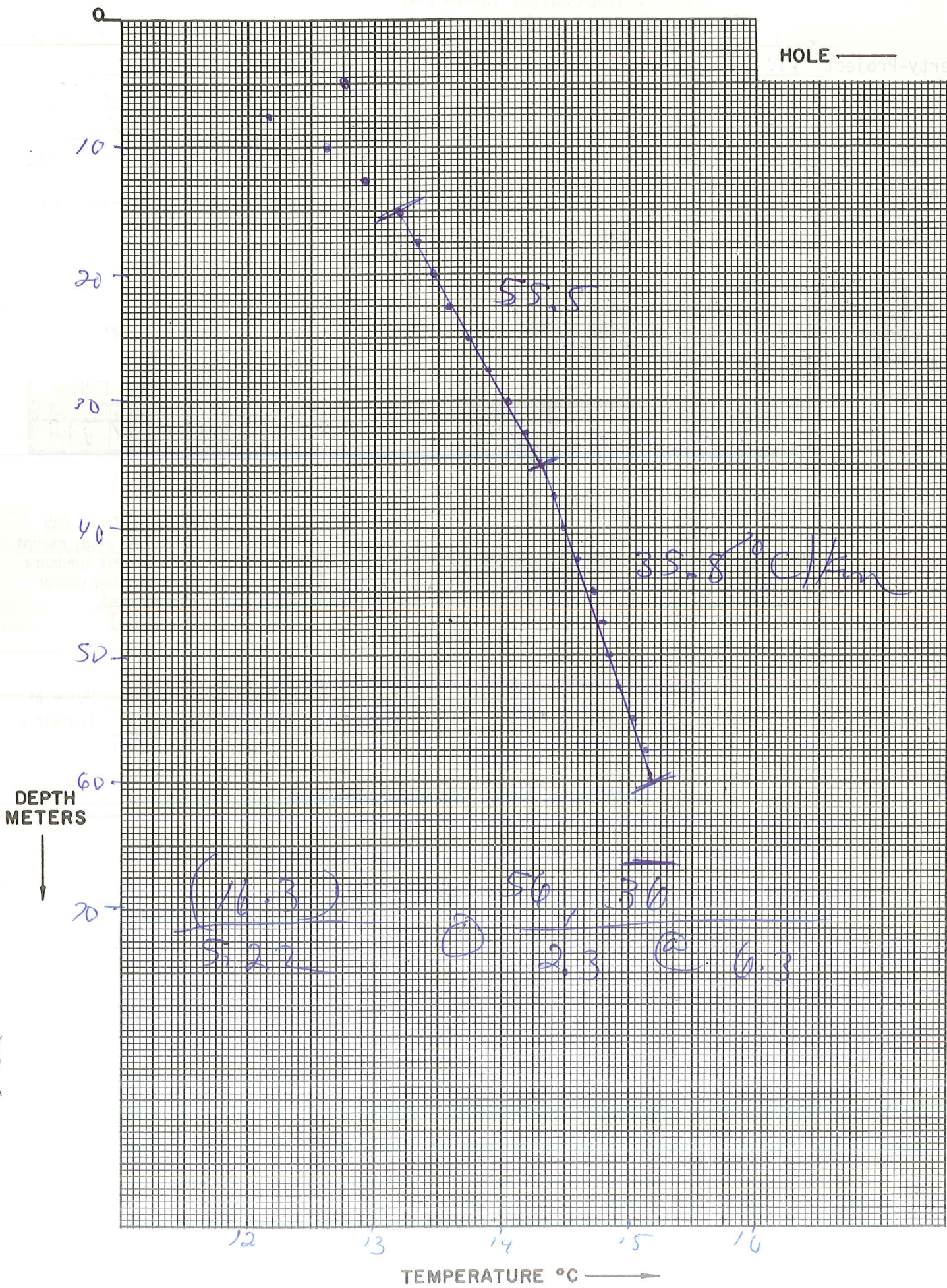








HOLE ———



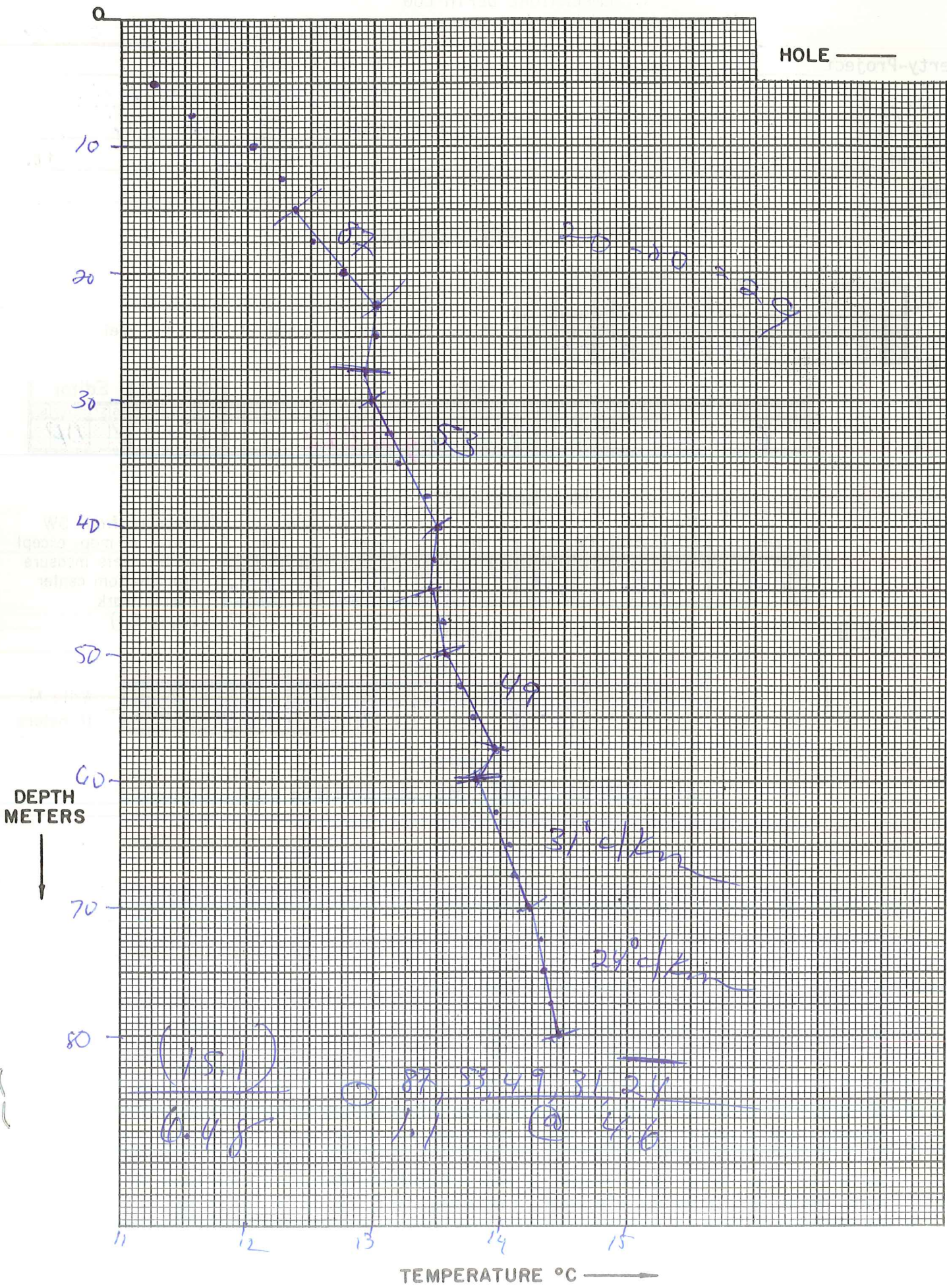








HOLE ———





Date Logged: 29/8/77

ΔT Well No. GPC-12-B-396

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		11.261					
7.5		11.578		126.8			
10		12.061		193.2			
12.5		12.274		85.2			
15		12.384		44			
17.5		12.514		52			
20		12.758		98			
22.5		13.033		110			
25		13.029					
27.5		12.922					
30		12.981		24			
32.5		13.116		54			
35		13.193		31			
37.5		13.438		98			
40		13.509		28			
42.5		13.475					
45		13.460					
47.5		13.543		33			
50		13.587		18			
52.5		13.675		35			
55		13.798		49			
57.5		13.958		63			
60		13.930					
62.5		13.969		16			
65		14.034		26			
67.5		14.100		26			
70		14.236		54			

K=Conductivity

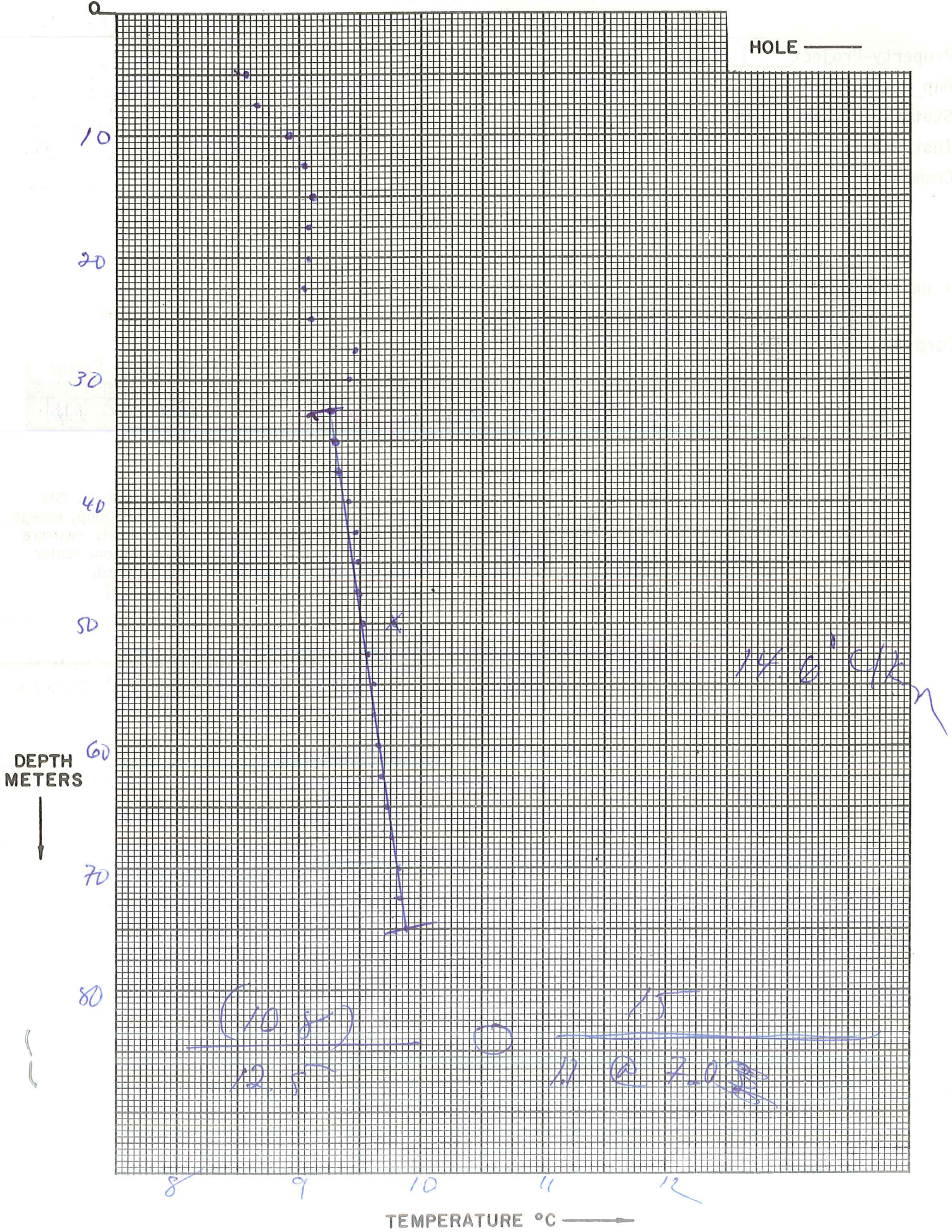








HOLE ———





Date Logged: 28/8/77

ΔT Well No. GPC-12-B-397

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
5		8.586					
7.5		8.666		32			
10		8.936		108			
12.5		9.054		47			
15		9.107		21			
17.5		9.086		-			
20		9.098		5			
22.5		9.058		-			
25		9.109		20			
27.5		9.470		144			
30		9.413		-			
32.5		9.259		-			
35		9.293		14			
37.5		9.338		18			
40		9.402		26			
42.5		9.462		24			
45		9.468		2			
47.5		9.491		9			
50		9.528		15			
52.5		9.560		13			
55		9.615		22			
57.5		9.613		-			
60		9.654		16			
62.5		9.695		16			
65		9.733		15			
67.5		9.774		16			
70		9.806		13			

K=Conductivity





TEMPERATURE DEPTH LOG

ΔT Well No. GPC-14 = B-398

Property-Project Best Depth Logged 1102.5 m  
 Map Adamsville Scale 15 Date: Drilled 3/12/77 Logged 5/11/78  
 State Utah County Beaver Section SESE 18 T 27S R 9W  
 Instrument Y of U Operator \_\_\_\_\_ Elevation 5520 ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No				Well No						Date Logged			*							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
7	5	5								3	9	8								CIM

\* 19 - Write F if Fahrenheit, 20 - Write F if Feet

Site Description																																																Operator				Editor			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																
POWERLINE														RC				14								49				CP																									

Card B

Scale Unit		Map Size			Map Location Δ				W Long				N Lat																
in	cm	(7.5, 15, 60)			Degree	Min	Degree	Min	Degree	Min	Degree	Min	Degree	Min	Degree	Min													
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
CM			15				38		15			113		00															

Use decimals

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing						Easting						Elev																	
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
36.5						14.0						5520																	

Use decimals

Write M if meters

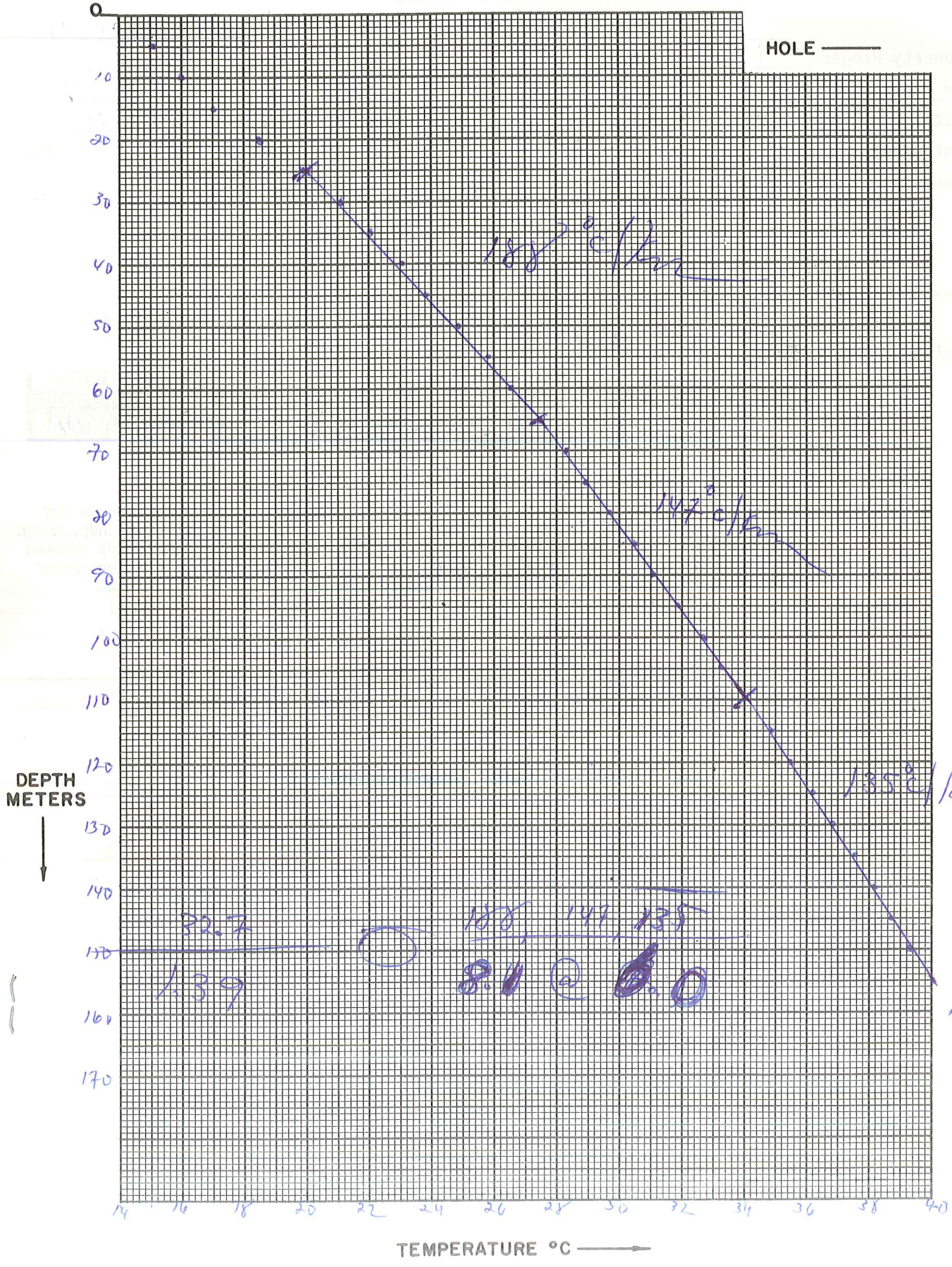
	SEGMENT DEPTH		K	ΔK
	Start	End		
C	25.0	65.0		
D	110.0	160.0	-6.0	-.5
E				
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	05.0	110.0		
D	.999			
E				
F				
G				

Final Segment: Start = .999



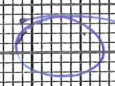


0  
10  
20  
30  
40  
50  
60  
70  
80  
90  
100  
110  
120  
130  
140  
150  
160  
170

DEPTH METERS  
↓

TEMPERATURE °C →

32.7  
1.39



188, 147, 135  
8.0 @ 6.0





Date Logged: 5/1/72

ΔT Well No. GDC-14 = B-398

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
2.5		14.291					
5		15.111		328			
7.5		15.458		139			
10		16.035		231			
12.5		16.550		206			
15		17.077		211			
17.5		17.726		260			
20		18.486		304			
22.5		19.233		299			
25.0		19.915		273			
27.5		20.480		226			
30		21.037		223			
32.5		21.543		202			
35		22.055		205			
37.5		22.543		195			
40		23.047		202			
42.5		23.439		157			
45		23.875		174			
47.5		24.386		204			
50.		24.940		222			
52.5		25.307		147			
55		25.830		209			
57.5		26.191		144			
60		26.568		151			
62.5		27.050		193			
65		27.438		155			
67.5		27.776		135			

K=Conductivity



Date Logged: \_\_\_\_\_

 $\Delta T$  Well No. \_\_\_\_\_

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
70		28.343		227			
				87			
72.5		28.560		139			
75		28.907		219			
77.5		29.454		89			
80		29.677		225			
82.5		30.240		142			
85		30.594		86			
87.5		30.808		141			
90		31.161		198			
92.5		31.655		109			
95		31.927		152			
97.5		32.306		174			
100		32.741		92			
102.5		32.972		101			
105		33.224		231			
107.5		33.802		102			
110		34.058		141			
112.5		34.411		201			
115		34.914		77			
117.5		35.107		143			
120		35.464		145			
122.5		35.827		151			
125		36.204		141			
127.5		36.557		108			
130		36.826		180			
132.5		37.275		136			
135		37.616					

K=Conductivity

page \_\_\_\_\_ of \_\_\_\_\_





TEMPERATURE DEPTH LOG

ΔT Well No. U74-1 = B-399

Property-Project Thermex Depth Logged 91.5 m  
 Map Cave Fort Scale 15' Date: Drilled 22/8/74 Logged 30/8/74  
 State Utah County Beaver Section NESE 12 T26S R7W  
 Instrument Union Operator — Elevation 6160 ft.  
 Comments \_\_\_\_\_

COMPUTER PROCESSING

RT JUSTIFY: Card A

Proj No					Well No					Date Logged			*
1	2	3	4	5	6	7	8	9	10	DA	MO	YR	*
7	7	7			3	9	9			8			C M

\* 19- Write F if Fahrenheit, 20- Write F if Feet

Site Description																																								Operator					Editor				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60										
SULPHURDALE																																								U					DP				

UNION  
 change all this

Card B

Scale Unit		Map Size		Map Location		N Lat		W Long																					
in	cm	(7.5, 15., 60)		Degree	Min	Degree	Min																						
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
cm		15	.		31	.	30	.	112	.																			

Δ Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W, -) (E, +)

Northing					Easting					Elev																			
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
71.0					23.9					6160																			

Write M if meters

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	15.2	53.4		
D	61.0	76.2		
E	.999			
F				
G				

Continue each card below.

	SEGMENT DEPTH		K	ΔK
	Start	End		
C	53.4	61.0		
D	76.2	91.5		
E			-4.5	-1.5
F				
G				

Final Segment: Start = .999



