A00026

TEC-20

Dixie Valley - Nevada
Thermal Data Field Sheets
Well's # 903-2 to 903-16
Well # (319 = 903-20)
Churchill County, Nevada

THERMAL DATA - FIELD SHEETS

DIXIE VALLEY - NEVADA

DATE	ISSUED TO
GAYLORD 40	

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-2

Property-Project Dixie Valley Depth Logged 88 m

Map Dixie Valley Scale 7.5 Date: Drilled 14/5/79 Logged 26/5/79

State Nevada County Churchill , ___ of ___ of NE of NW of Sec 26 T 21N R 35E

Instrument # 46 Operator JJ Elevation 3604 (ft/m)

Comments 3/4" PVC

Card A

RT JUSTIFY	Proj No	Well No	Date Logged DA	MO	YR	*
	903	226	5	79	C	M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
4.8 Km SE DIXIE VALLEY	JJ	DP	14	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
CM	7.5	39.	37.5	118.	7.5

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

Use decimals

Northing	Easting	Elev	
17.0	37.9	3604.	F

Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K) Downward extrapolations (- Δ K)
10.0	40.0			

Segment 2

Start	End	K	ΔK
40.0	66.0		

Segment 3

Start	End	K	ΔK
66.0	86.0	-4.0	-.5

Segment 4

Start
.999

Segment 5

Segment 6

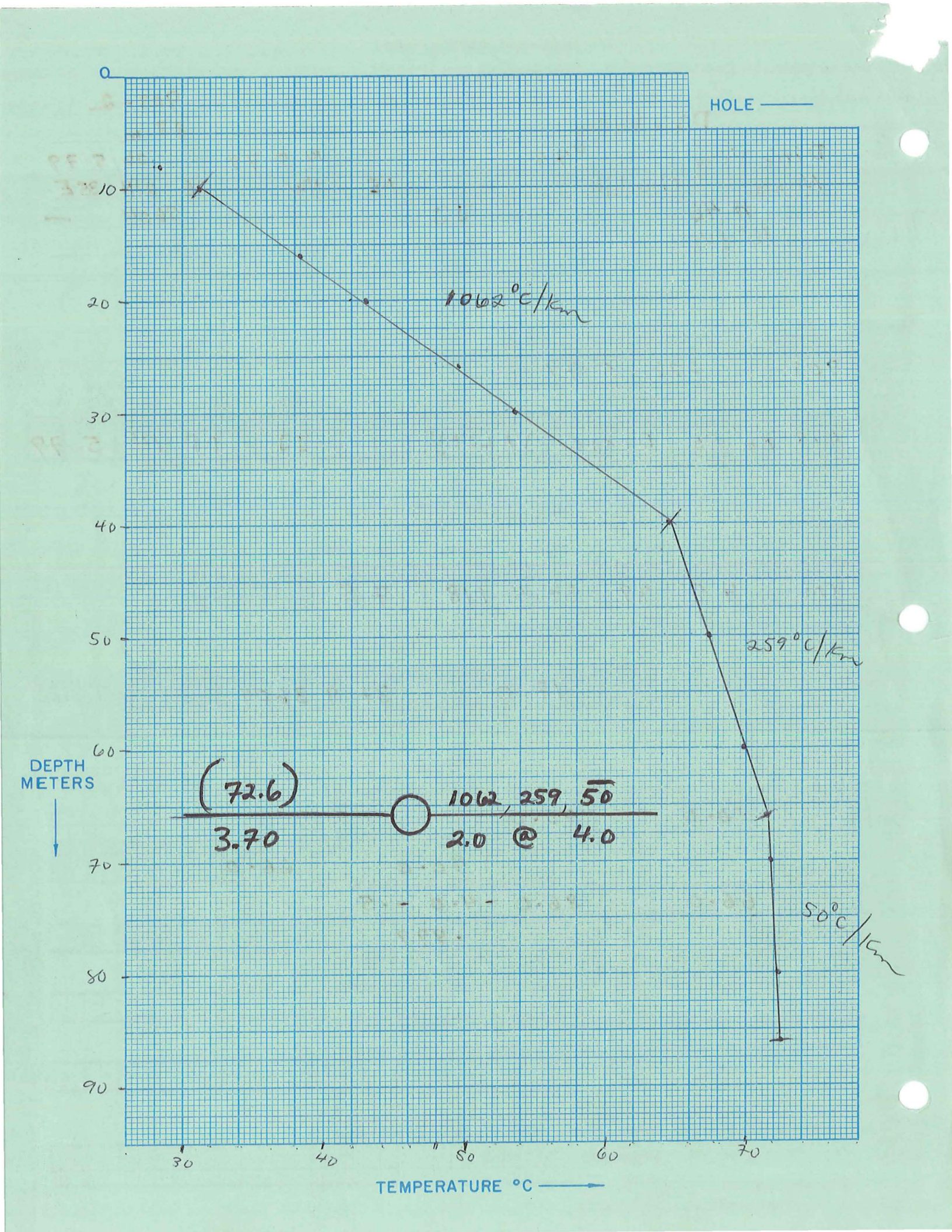
Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
1062 °C/km
259 °C/km
50 °C/km
(72.6)
3.70
1062, 259, 50
2.0 @ 4.0
30
40
50
60
70
TEMPERATURE °C

Prelim FIRST LOGGING

Date Logged: 26/5/79

ΔT Well No. 903-2

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
8.	78.53	28.41					
10.	70.47	31.39					
12.	63.88	34.01					
14.	58.45	36.41					
16	54.23	38.42					
18	49.12	41.08					
20	45.07	43.40					
22	41.59	45.57					
24	38.69	47.52					
26	35.60	49.97					
28	33.03	51.82					
30	30.70	53.82					
32	28.57	55.80					
34	26.40	57.98					
36	23.88	60.77					
38	23.54	61.17					
40	20.81	64.64					
42	20.48	65.09					
44	20.12	65.59					
46	19.69	66.20					
48	19.29	66.79					
50	18.88	6739					
52	18.59	67.84					
54	18.32	68.26					
56	17.71	69.23					
58	17.52	69.54					
60	17.25	69.99					

K=Conductivity

Date Logged: _____ ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
62	16.89	70.60					
64	16.57	71.15					
→ 66	16.43	71.39					
68	16.39	71.47					
70	16.25	71.72					
72	16.15	71.90					
74	16.06	72.05					
76	16.02	72.13					
78	16.00	72.17					
80	15.98	72.19					
82	15.95	72.25					
84	15.91	72.33					
→ 86	15.87	72.39					
88	15.88	72.38					
99999.							

K=Conductivity

DO NOT KEYPUNCH
final

DRY
Thru well TD

Date Logged: June 26 79 ΔT Well No. 903-2

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
1.	Air						
1.5							
2.							
2.5							
3.							
3.5							
4.							
4.5							
5.							
5.5							
6.							
6.5							
7.							
7.5							
8.							
8.5							
9.							
9.5							
10							
11							
12							
13							
14							
15							
16							
17							
18							

NOTE: thermister floated (numerically) up to ≈40m then appeared to stabilize but when I pulled the cable out it was completly dry. The thermister was too hot to touch!

John Johnson

K=Conductivity

page ____ of ____

DO NOT KEYP.

Date Logged: 27/6/79 ΔT Well No. 903-2

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
19	Air						
20	|						
22							
24							
26							
28							
30							
32							
34							
36							
38							
40	V						
42	21.04						
44	20.62						
46	18.91						
48	18.66						
50	18.33						
52	18.08						
54	17.83						
56	17.60						
58	17.39						
60	17.24						
62	16.64						
64	16.37						
66	16.23						
68	16.04						
70	15.98						

K=Conductivity

Date Logged: June 27, 79

ΔT Well No. 903-2

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
72	15.96						
74	15.94						
76	15.86						
78	15.84						
80	15.83						
82	15.80						
84	15.78						
86	15.77						
88	15.77						
TD							
9999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-3

Property-Project Dixie Valley Depth Logged 90 m

Map Dixie Valley Scale 7.5 Date: Drilled 20/5/79 Logged 26/5/79

State Nevada County Churchill , ___ of ___ of NW of SW of Sec 22 T 21N R 35E

Instrument #46 Operator JJ Elevation 3440 (ft / m)

Comments 3/4" PVC

Card A — RT JUSTIFY

Proj No	Well No	DA	MO	YR	*
903	3	26	5	79	C M

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

Site Description	Operator	Editor	Drilled DA	Drilled MO	Drilled YR
2.2 Km SE DIXIE VALLEY	JJ	DP	20	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	N Lat Degree	N Lat Min	W Long Degree	W Long Min **
cm	7.5	39.	37.5	118.	7.5

Map Location * *

Use decimals

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

Northing	Easting	Elev	
20.8	29.7	3440.	F

Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK
14.0	50.0		

Best cond. (-K)

Downward extrapolations (-ΔK)

Segment 2

Start	End	K	ΔK
50.0	60.0		

Segment 3

Start	End	K	ΔK
60.0	90.0	-5.0	-.5

Segment 4 Start → .999

Segment 5

Segment 6 Start →

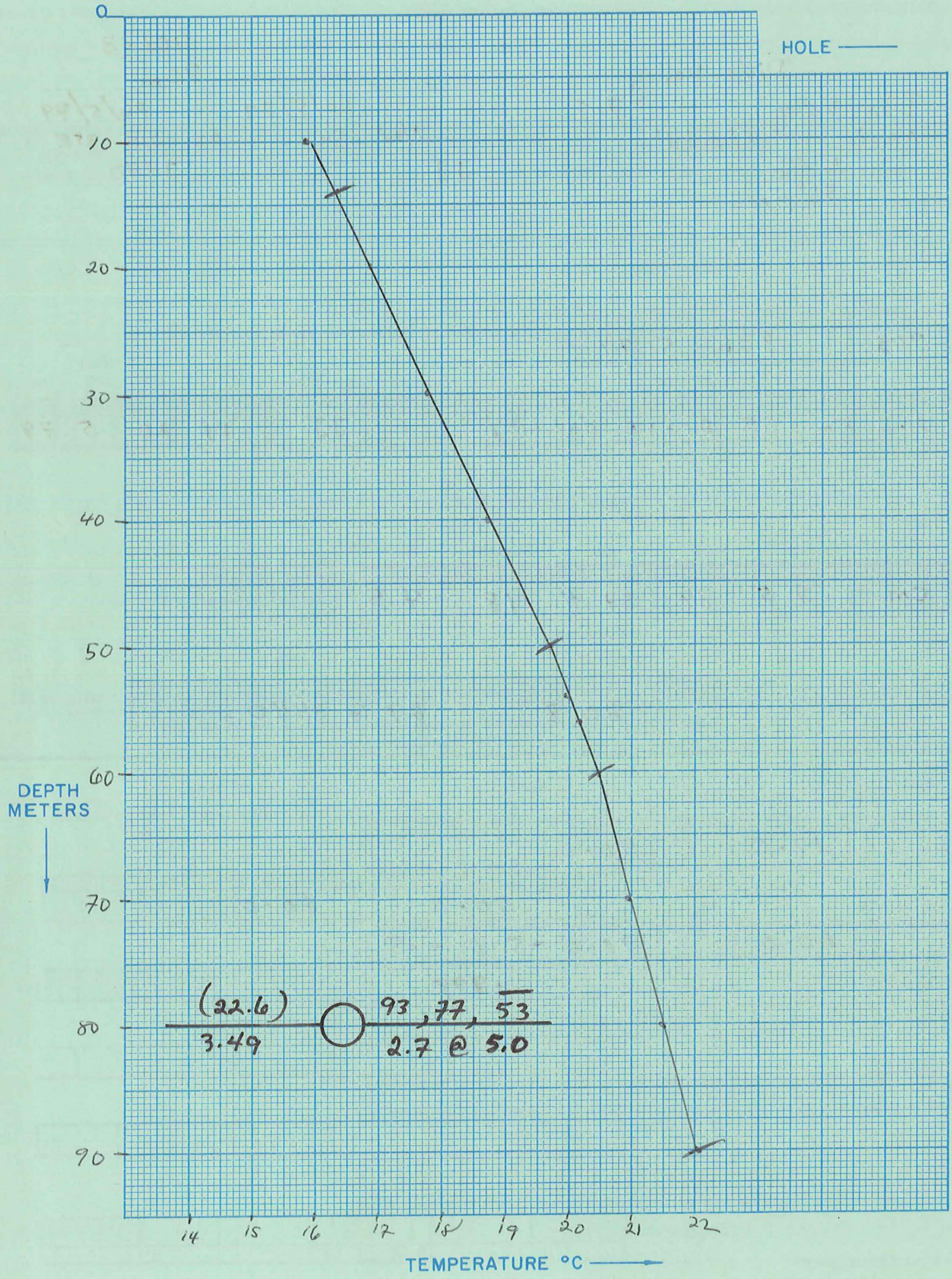
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

After final segment Start = .999


0
HOLE
10
20
30
40
50
60
70
80
90
DEPTH METERS
14
15
16
17
18
19
20
21
22
TEMPERATURE °C
(22.6)
3.49
93, 77, 53
2.7 @ 5.0

prelim

Date Logged: 26/5/79

ΔT Well No. 903-3

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	128.48	14.50					
4	132.20	13.65					
6	127.88	14.64					
8	123.48	15.68					
10	122.69	15.87					
12	121.48	16.16					
→ 14	120.66	16.35					
16	119.75	16.57					
18	118.88	16.79					
20	118.51	16.88					
22	118.10	16.98					
24	117.07	17.23					
26	116.22	17.44					
28	115.63	17.59					
30	114.88	17.78					
32	114.04	17.99					
34	113.30	18.18					
36	112.51	18.38					
38	111.84	18.55					
40	111.24	18.71					
42	110.50	18.90					
44	109.70	19.10					
46	109.04	19.28					
48	108.25	19.48					
→ 50	107.52	19.68					
52	106.94	19.83					
54	106.35	19.99					

K=Conductivity

Date Logged: _____ ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	105.74	20.15					
58	105.12	20.32					
→ 60	104.62	20.45					
62	104.23	20.56					
64	103.78	20.68					
66	103.39	20.79					
68	103.14	20.86					
70	102.79	20.95					
72	102.40	21.06					
74	102.09	21.15					
76	101.71	21.25					
78	101.36	21.35					
80	100.90	21.48					
82	100.39	21.62					
84	99.94	21.75					
86	99.58	21.85					
88	99.25	21.94					
→ 90	98.90	22.04					
91(?)	98.90						

K=Conductivity

14.99° @ 2.9m

final

Date Logged: June 27, 79

ΔT Well No. 903-3

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
1.	95.30	23.08					
1.5	108.38	19.45					
2.	116.80	17.30					
2.5	123.36	15.71					
3.	127.10	14.83					
3.5	128.55	14.49					
4.	128.64	14.47					
4.5	128.57	14.49					
5.	128.54	14.49					
5.5	128.50	14.50					
6.	128.51	14.50					
6.5	128.41	14.52					
7.	127.35	14.77					
7.5	125.84	15.12					
8.	124.37	15.47					
8.5	124.15	15.52					
9.	124.12	15.52					
9.5	124.02	15.55					
10.	124.03	15.55					
11.	124.43	15.46					
12.	122.07	16.02					
13.	121.56	16.14					
14.	121.15	16.24					
15.	120.54	16.39					
16.	120.34	16.44					
17.	119.62	16.61					
18.	119.40	16.67					

K=Conductivity

Date Logged: June 27 79 ΔT Well No. 903-3

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
19.	119.12	16.74					
20.	118.83	16.80					
22.	118.33	16.93					
24.	117.54	17.12					
26.	116.64	17.35					
28.	115.95	17.51					
30.	115.17	17.71					
32.	114.42	17.90					
34.	113.54	18.12					
36.	112.69	18.34					
38.	112.02	18.51					
40.	111.38	18.67					
42.	110.67	18.86					
44.	109.92	19.05					
46.	109.16	19.25	.20	10			
48.	108.45	19.44					
50.	107.67	19.64					
52.	106.98	19.83					
54.	106.38	19.99					
56.	105.83	20.13					
58.	105.22	20.29					
60.	104.74	20.43					
62.	104.33	20.54					
64.	103.93	20.65					
66.	103.51	20.76					
68.	103.19	20.85					
70.	102.87	20.94					

K=Conductivity

Date Logged: June 27 79

ΔT Well No. 983-3

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
72.	102.52	21,03					
74.	102.15	21.13					
76.	101.81	21.23					
78.	101.42	21.34					
80.	100.98	21.46					
82.	100.46	21.60					
84.	100.01	21.73					
86.	99.65	21.83					
88.	99.33	21.92					
TD 90.	99.96	22.03					
92.							
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ______________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-4

Property-Project Dixie Valley Depth Logged 90m

Map Clan Alpine Ranch Scale 1" = 15' Date: Drilled 17/5/79 Logged 25/5/79

State Nevada County Churchill , ___ of ___ of SW of NW of Sec 36 T 21 N R 35 E

Instrument #46 Operator JJ Elevation 4160 ~~(ft) (m)~~

Comments 3/4" PVC

Card A

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
903	4	25	5	79	C M

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

Site Description	Operator	Editor	Drilled: 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
4.8 km S Grover Point well	JJ	DP	17	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** 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	15.0	39.	30.0	118.	00.0

15.0 — 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
25.6	0.1	4160.	F

Use decimals

← Write M if 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
20.0	70.0		

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
70.0	90.0	-6.0	-.5

Segment 3

Start
.999

Segment 4

Start

Segment 5

Segment 6

Start

Segment 7

Segment 8

Start

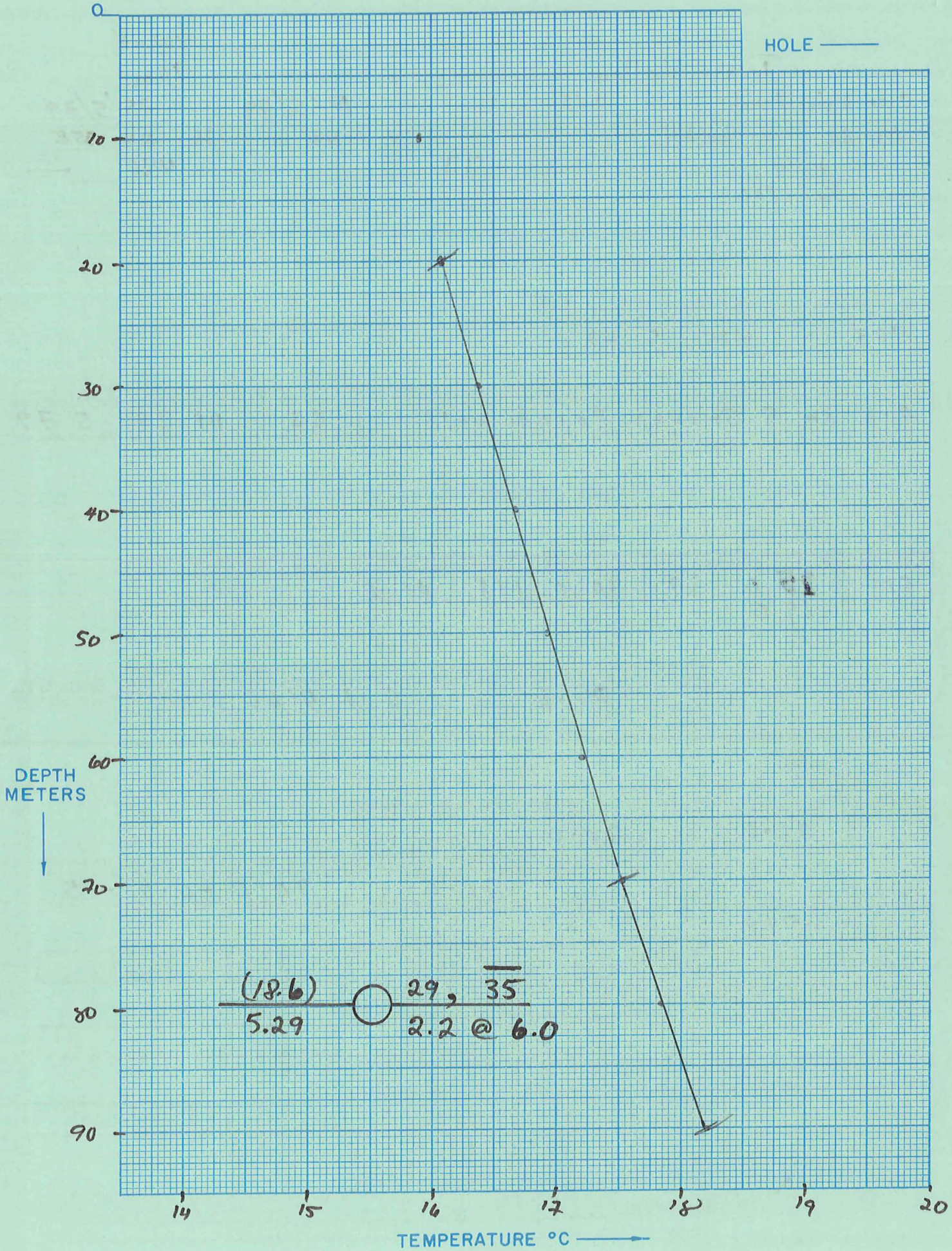
Segment 9

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

Start
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


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
14
15
16
17
18
19
20
TEMPERATURE °C
(18.6)
5.29
29, 35
2.2 @ 6.0

prelim

Date Logged: 25/5/79

ΔT Well No. 903-4

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	131.31	13.85					
4	131.13	13.89					
6	127.22	14.80					
8	124.05	15.54					
10	122.56	15.90					
12	122.13	16.00					
14	122.13	16.00					
16	122.11	16.01					
18	121.97	16.04					
→ 20	121.77	16.09					
22	121.59	16.13					
24	121.31	16.20					
26	121.03	16.27					
28	120.80	16.32					
30	120.58	16.37					
32	120.36	16.43					
34	120.14	16.48					
36	119.92	16.53					
38	119.68	16.59					
40	119.46	16.64					
42	119.23	16.70					
44	118.99	16.76					
46	118.76	16.82					
48	118.54	16.87					
50	118.30	16.93					
52	118.06	16.99					
54	117.84	17.04					

K=Conductivity

Date Logged: _____ ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	117.62	17.10					
58	117.40	17.15					
60	117.13	17.22					
62	116.89	17.28					
64	116.65	17.34					
66	116.39	17.40					
68	116.15	17.46					
→ 70	115.91	17.52					
72	115.68	17.58					
74	115.44	17.64					
76	115.22	17.69					
78	114.96	17.76					
80	114.62	17.83					
82	114.42	17.90					
84	114.17	17.96					
86	113.84	18.04					
88	113.53	18.12					
→ 90	113.19	18.21					
91.(2)	113.07	18.24					

K=Conductivity

final

15,12 @ 2.9

Date Logged: June 27 78 ΔT Well No. 903-4

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	92.92	23.79					
1.	108.50	19.42	–	–			
1.5	114.43	17.90	–	–			
2.	118.94	16.78	–	–			
2.5	123.81	15.60	–	–			
3.	126.09	15.06	–	–			
3.5	127.36	14.77	–	–			
4.	127.89	14.64	–	–			
4.5	128.48	14.51	–	–			
5.	128.52	14.50	–	–			
5.5	128.11	14.59					
6.	126.96	14.86					
6.5	126.31	15.01					
7.	125.85	15.12					
7.5	125.46	15.21					
8.	124.94	15.33					
8.5	124.50	15.44					
9.	123.98	15.56					
9.5	123.52	15.67					
10.	123.16	15.76					
11.	122.76	15.85					
12.	122.58	15.90					
13.	122.42	15.93					
14.	122.34	15.96					
15.	122.28	15.95					
16.	122.25	15.97					
17.	122.19	15.99					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-4

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	122.11	16.01					
19.	122.00	16.03					
20.	121.91	16.06					
22.	121.60	16.13					
24.	121.42	16.17					
26.	121.14	16.24					
28.	120.89	16.30					
30.	120.67	16.36					
32.	120.45	16.41					
34.	120.22	16.46					
36.	119.99	16.52					
38.	119.76	16.58					
40.	119.54	16.63					
42.	119.30	16.69					
44.	119.07	16.74					
46.	118.83	16.80					
48.	118.59	16.86					
50.	118.37	16.92					
52.	118.13	16.97					
54.	117.91	17.03					
56.	117.68	17.09					
58.	117.46	17.14					
60.	117.21	17.20					
62.	116.97	17.26					
64.	116.74	17.32					
66.	116.49	17.38					
68.	116.25	17.44					

K=Conductivity

Date Logged: June 27 79

ΔT Well No. 903-4

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	115.99	17.50					
72.	115.76	17.56					
74.	115.50	17.63					
76.	115.27	17.69					
78.	115.00	17.75					
80.	114.73	17.82					
82.	114.47	17.89					
84.	114.20	17.95					
86.	113.88	18.04					
88.	113.56	18.12					
90.	113.20	18.21					
91. TD	113.11	18.23					
9999.							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-5

Property-Project Dixie Valley Depth Logged

Map Clan Alpine Ranch Scale 15 Date: Drilled 19/5/79 Logged 25/5/79

State Nevada County Churchill , of of NE of NE of Sec 1 T 20N R 35E

Instrument #46 Operator JJ Elevation 4560 (ft m)

Comments 3/4" PVC

Card A

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
9	0	3								5	2	5			5	7	9	C	M

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

Site Description | Operator | Editor | Drilled: 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
4	.	8	K	m	S	.	G	r	o	v	e	r	P	o	i	n	t	w	e	l	l									J	J		/	D	P						1	9			5			7	9	

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

Card B

Map Location * *: Scale Unit IN CM | Map Size (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
		C	M		1	5	.	0			3	9	.		3	0	.	0		1	1	8	.			0	.	0	

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
					2	3	.	4							2	.	0			4	5	6	0	.					F	

Write M if if meters

Use decimals

Segment 1 = Depths: Start | End | Conductivity: K | ΔK

Best cond. (-K)

Downward extrapolations (- Δ 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
					2	0	.	0							6	0	.	0												

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
					6	0	.	0							9	2	.	0		-	6	.	0		-	.	5			

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
					.	9	9	9																					

Segment 4 Start →

Segment 5

Segment 6 Start →

Segment 7

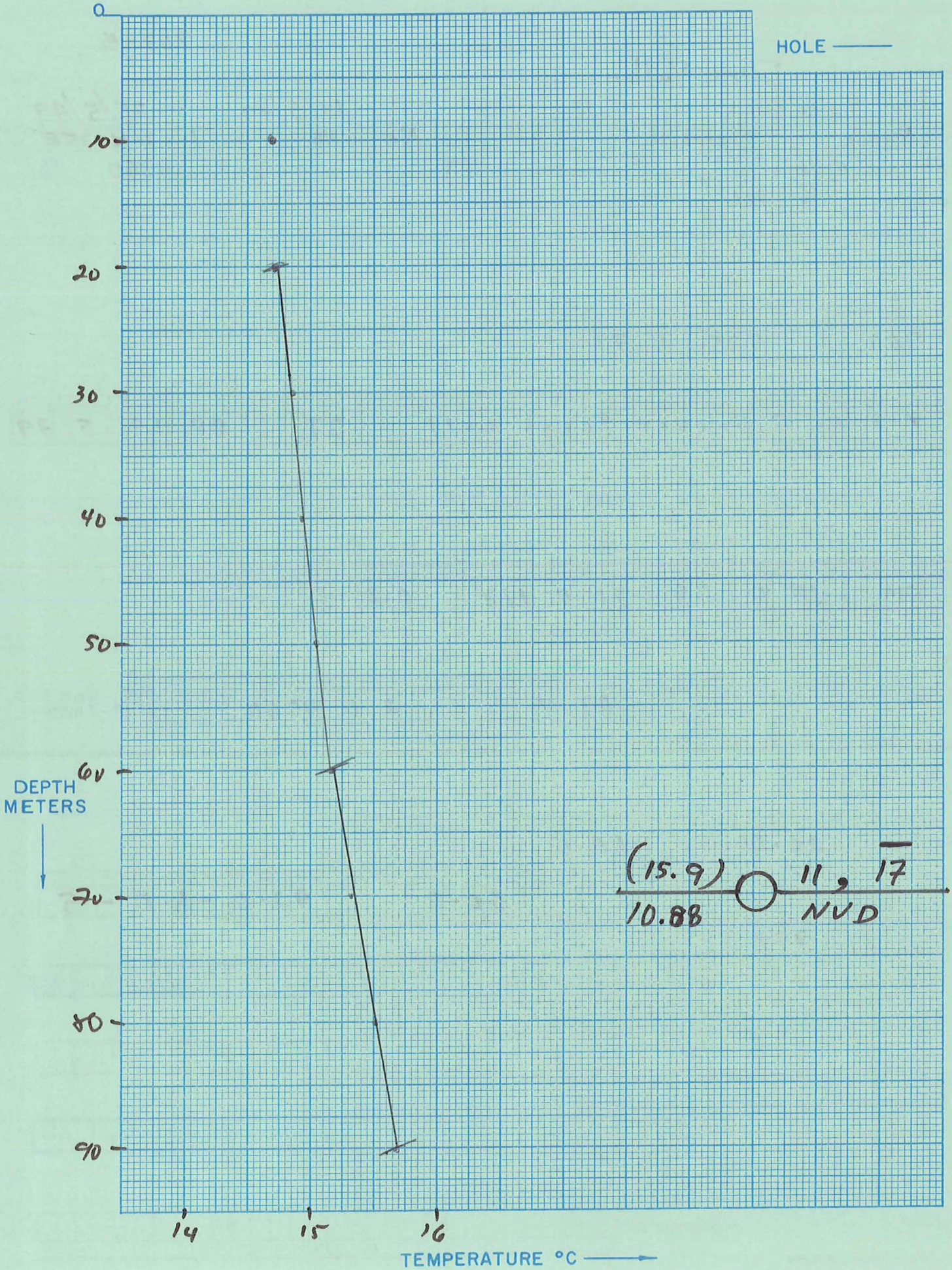
Segment 8 Start →

Segment 9

Segment 10 Start →

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


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
14
15
16
TEMPERATURE °C
(15.9)
10.88
11, 17
NVD

prelim

Date Logged: 25/5/79

ΔT Well No. 903-5

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	129.18	14.34					
4	139.31	12.07					
6	134.32	13.17					
8	129.67	14.23					
10	127.65	14.70					
12	127.40	14.76					
14	127.34	14.77					
16	127.46	14.74					
18	127.30	14.78					
→ 20	127.32	14.77					
22	127.15	14.81					
24	127.07	14.83					
26	127.16	14.81					
28	127.10	14.83					
30	126.97	14.86					
32	126.91	14.87					
34	126.92	14.87					
36	126.87	14.88					
38	126.76	14.90					
40	126.67	14.94					
42	126.46	14.97					
44	126.46	14.97					
46	126.31	15.01					
48	126.25	15.02					
50	126.14	15.05					
52	125.99	15.09					
54	125.87	15.11					

K=Conductivity

Date Logged: _____ ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	125.73	15.14					
58	125.66	15.16					
→ 60	125.55	15.19					
62	125.42	15.22					
64	125.28	15.25					
66	125.16	15.28					
68	125.01	15.31					
70	124.89	15.34					
72	124.71	15.38					
74	124.55	15.42					
76	124.46	15.44					
78	124.27	15.49					
80	124.16	15.51					
82	124.01	15.55					
84	123.86	15.59					
86	123.73	15.62					
88	123.59	15.65					
90	123.42	15.69					
→ 92	123.28	15.72					
93(?)	123.23						

K=Conductivity

14.33° @ 2.9m final

Date Logged: June 27, 1979

ΔT Well No. 903-5

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
1.	102.59	21.01					
1.5	115.15	17.71					
2.	118.90	16.79					
2.5	125.12	15.29					
3.	129.98	14.16					
3.5	133.17	13.44					
4.	134.09	13.23					
4.5	135.84	12.84					
5.	136.09	12.78					
5.5	135.55	12.90					
6.	135.01	13.02					
6.5	134.04	13.24					
7.	133.32	13.40					
7.5	131.85	13.74					
8.	130.90	13.95					
8.5	130.21	14.11					
9.	129.78	14.21					
9.5	129.53	14.26					
10.	129.47	14.28					
11.	129.19	14.44					
12.	128.55	14.49					
13.	128.28	14.53					
14.	128.18	14.58					
15.	128.13	14.59					
16.	128.11	14.60					
17.	128.06	14.60					
18.	128.01	14.62					

K=Conductivity

Date Logged: June 27 79

ΔT Well No. 903-5

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
19.	127.98	14.62					
20.	127.94	14.63					
22.	127.79	14.67					
24.	127.64	14.70					
26.	127.55	14.72					
28.	127.44	14.75					
30.	127.32	14.78					
32.	127.22	14.80					
34.	127.12	14.82					
36.	127.02	14.85					
38.	126.91	14.87					
40.	126.79	14.90					
42.	126.67	14.92					
44.	126.57	14.95					
46.	126.44	14.98					
48.	126.33	15.01					
50.	126.21	15.04					
52.	126.00	15.09					
54.	125.94	15.10					
56.	125.81	15.13					
58.	125.70	15.16					
60.	125.67	15.16					
62.	125.43	15.22					
64.	125.30	15.25					
66.	125.16	15.28					
68.	125.02	15.32					
70.	124.87	15.35					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-5

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
72.	124.14	15.38					
74.	124.60	15.41					
76.	124.47	15.45					
78.	124.31	15.48					
80.	124.17	15.52					
82.	124.02	15.55					
84.	123.90	15.58					
86.	123.75	15.62					
88.	123.62	15.65					
90.	123.46	15.69					
92.	123.29	15.73					
93.10	123.26	15.73					
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-6

Property-Project Dixie Valley Depth Logged 92 m

Map Dixie Valley Scale 7.5 Date: Drilled 24/4/79 Logged 28/4/79

State Nevada County Churchill , ___ of ___ of NW of NW of Sec 13 T 21 N R 35 E

Instrument #46 Operator JG Elevation 3465 ~~ft~~ (m)

Comments 3/4" PVC

Card A

RT JUSTIFY	Proj No	Well No	Date Logged DA	MO	YR	*
	903		6 28	4	79	C M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
2 Km NW Grover Point well	JG	/ DP	24	4	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	7.5	39.	37.5	118.	7.5

Use decimals

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

Northing	Easting	Elev	
30.3	43.9	3465.	F

Use decimals

← Write M if if meters

Segment 1 = Depths

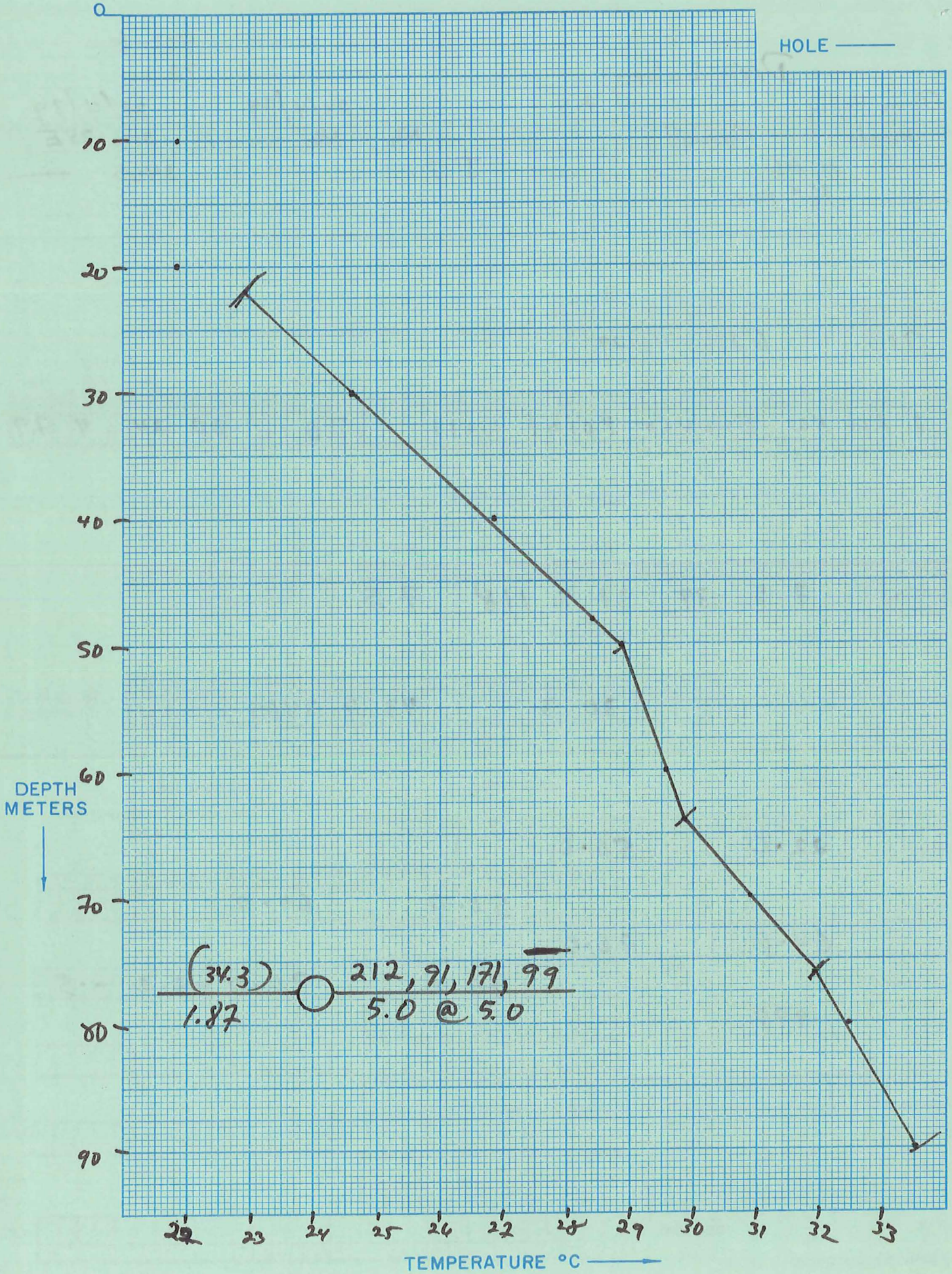
Start	End	Conductivity K	ΔK
22.0	50.0		

Best cond. (-K)

Downward extrapolations (- Δ K)

	End	K	ΔK
Segment 2 Start →	50.0	64.0	
Segment 3	64.0	76.0	
Segment 4 Start →	76.0	90.0	-5.0 -.5
Segment 5	.999		
Segment 6 Start →			
Segment 7			
Segment 8 Start →			
Segment 9			
Segment 10 Start →			

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
(34.3)
1.87
212, 91, 171, 99
5.0 @ 5.0
22
23
24
25
26
27
28
29
30
31
32
33
TEMPERATURE °C

prelim

Date Logged: 28/4/79

ΔT Well No. 903-6

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
6	112.12	18.48					
8	109.39	19.19					
10	106.70	19.90					
12	103.68	20.71					
14	101.00	21.45					
16	100.32	21.64					
18	99.80	21.79					
20	99.51	21.87					
→ 22	95.97	22.89					
24	94.15	23.42					
26	92.73	23.84					
28	91.40	24.24					
30	90.16	24.62					
32	88.77	25.05					
34	87.27	25.52					
36	85.89	25.96					
38	84.16	26.52					
40	83.15	26.85					
42	82.14	27.19					
44	81.05	2755					
46	79.73	28.00					
→ 48	78.58	28.40					
50	77.75	28.69					
52	77.13	28.91					
54	76.68	29.07					
56	76.42	29.16					
58	76.18	29.25					

K=Conductivity

Date Logged: _____ ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
60	75.28	29.57					
62	74.85	29.73					
→ 64	74.49	29.86					
66	73.26	30.31					
68	72.56	30.57					
70	71.69	30.90					
72	70.75	31.26					
74	69.94	31.57					
→ 76	69.07	31.91					
78	68.64	32.07					
80	68.26	32.23					
82	67.77	32.42					
84	67.30	32.61					
86	66.78	32.82					
88	66.22	33.04					
90	65.67	33.27					
→ 92	65.14	33.49					
93(?)	64.99	33.55					

K=Conductivity

17.5 @ 2.9m

final

Date Logged: June 27 79

ΔT Well No. 903-6

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	90.95	24.38					
1.	100.78	21.51					
1.5	107.60	19.66					
2.	111.45	18.66					
2.5	114.52	17.87					
3.	116.32	17.42					
3.5	116.30	17.43					
4.	115.71	17.58					
4.5	114.20	17.95					
5.	113.64	18.10					
5.5	113.23	18.20					
6.	112.70	18.34					
6.6	112.17	18.47					
7.	111.71	18.59					
7.5	111.12	18.74					
8.	110.69	~~18.85~~ 18.86					
8.5	110.19	18.98					
9.	108.66	19.38					
9.5	107.50	19.69					
10.	107.00	19.82					
11.	105.65	20.18					
12.	104.80	20.41					
13.	103.80	20.68					
14.	103.12	20.87					
15.	102.23	21.11					
16.	101.31	21.37					
17.	100.69	21.71					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-6

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	99.58	21.85					
19.	98.65	22.11					
20.	97.76	22.45					
22.	95.38	23.05					
24.	94.41	23.34					
26.	93.08	23.74					
28.	91.25	24.29					
30.	89.95	24.69					
32.	89.64	24.78					
34.	87.09	25.58					
36.	85.67	26.03					
38.	84.20	26.51					
40.	83.08	26.88					
42.	81.81	27.30					
44.	80.52	27.73					
46.	79.23	28.18					
48.	78.05	28.58					
50.	76.93	28.98					
52.	76.27	29.21					
54.	76.07	29.29					
56.	75.91	29.32					
58.	75.64	29.44					
60.	74.62	29.81					
62.	74.04	30.02					
64.	73.49	30.22					
66.	72.96	30.42					
68.	71.95	30.80					

K=Conductivity

Date Logged: 26/6/79 ΔT Well No. 903-6

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	71.15	31.10					
72.	70.36	31.40					
74.	69.58	31.71					
76.	68.92	31.96					
78.	68.46	32.15					
80.	68.00	32.33					
82.	67.56	32.50					
84.	67.05	32.71					
86.	66.56	32.91					
88.	66.07	33.10					
90.	65.48	33.35					
92.	65.00	3355					
93.60	64.94	33.57					
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-7

Property-Project Dixie Valley Depth Logged 92 m

Map Clan Alpine Ranch Scale 1/5 Date: Drilled 9/5/79 Logged 25/5/79

State Nevada County Churchill , ___ of ___ of NW of NE of Sec 24 T 21N R 35E

Instrument #46 Operator JJ Elevation 3530 (ft / m)

Comments 3/4" PVC

Card A

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	
	903	7				C M

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

Site Description	Operator	Editor	Drilled DA	Drilled MO	Drilled 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
100 m SE Grouer Point well	JJ	DP	9	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	N Lat Degree	N Lat Min	W Long Degree	W Long 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	15.0	39.	30.0	118.	0.0

Map Location * *

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

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
31.4	1.5	3530.	F

Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	Conductivity 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
12.0	26.0		

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
26.0	50.0	-5.0	-.5

Segment 3	
50.0	72.0

Segment 4 Start →	
72.0	92.0

Segment 5	
-999	

Segment 6 Start →	

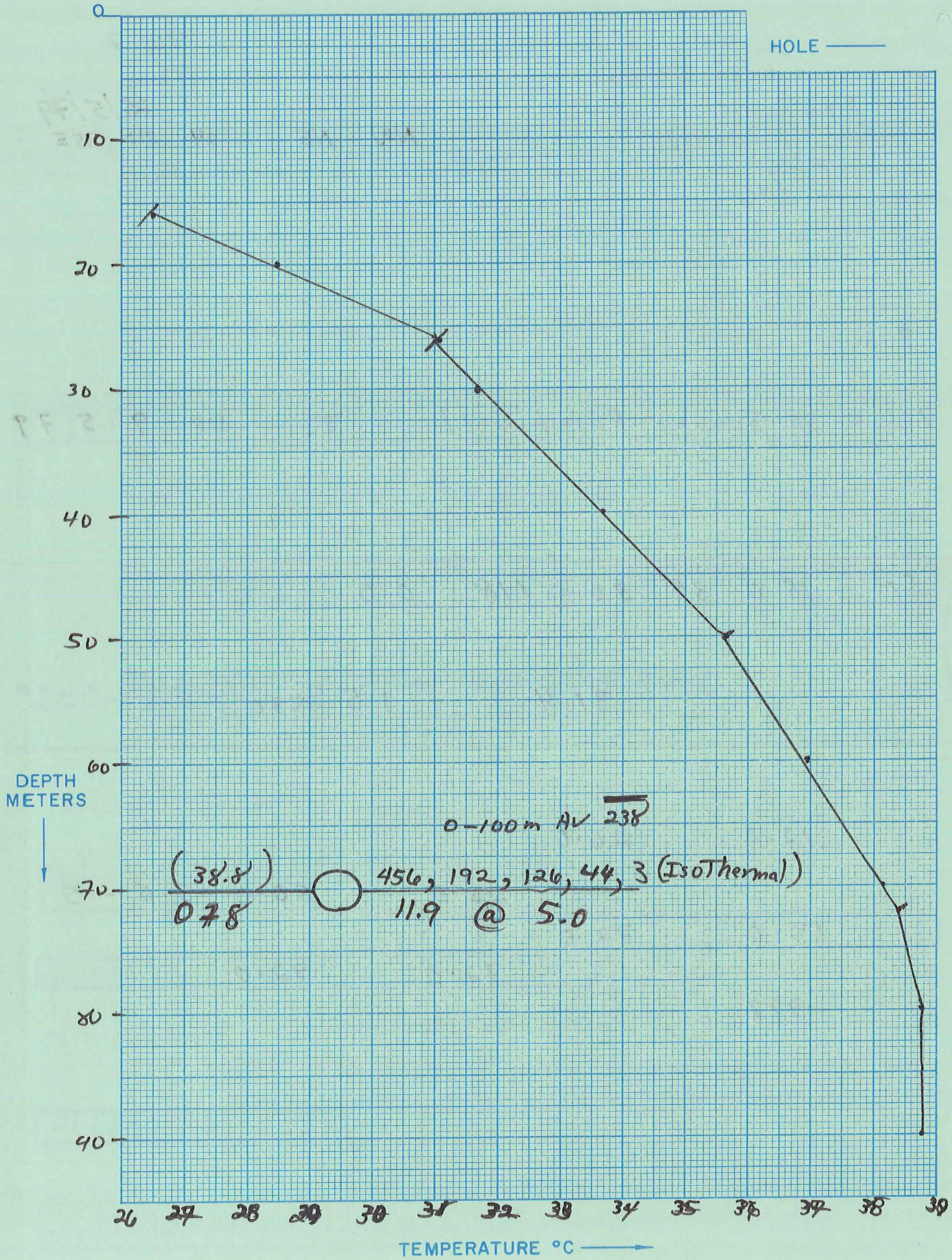
Segment 7	

Segment 8 Start →	

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 Start →	
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


HOLE
0
10
20
30
40
50
60
70
80
40
DEPTH METERS
0–100 m AV 238
(38.8)
078
456, 192, 126, 44, 3 (Isothermal)
11.9 @ 5.0
26
27
28
29
30
31
32
33
34
35
36
37
38
39
TEMPERATURE °C

prelim

Date Logged: 25/5/79

ΔT Well No. 903-7
[@ the well]

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	115.58	17.60					
4	110.12	19.00					
6	103.57	20.74					
8	98.34	22.20					
10	94.95	23.18					
→ 12	90.09	24.64					
14	87.57	25.43					
16	84.21	26.50					
18	81.14	27.52					
20	78.38	28.47					
22	75.50	29.49					
24	73.21	30.32					
→ 26	71.33	31.03					
28	70.35	31.40					
30	69.58	31.70					
32	68.81	32.00					
34	68.01	32.32					
36	67.22	32.64					
38	66.49	32.93					
40	64.62	33.70					
42	63.67	34.10					
44	62.65	34.54					
46	61.77	34.92					
48	60.88	35.31					
→ 50	60.15	35.63					
52	59.50	35.93					
54	59.03	36.14					

K=Conductivity

Date Logged: 25/5/79 ΔT Well No. 903-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	58.35	36.45					
58	57.81	36.70					
60	57.26	36.96					
62	56.73	37.21					
64	56.18	37.47					
66	55.65	37.73					
68	55.17	37.96					
70	54.73	38.18					
→ 72	54.26	38.41					
74	53.89	38.59					
76	53.60	38.74					
78	53.47	38.80					
→ 80	53.55	38.76					
82	53.59	38.74					
84	53.62	38.73					
86	53.63	38.72					
88	53.65	38.71					
90	53.57	38.75					
→ 92	53.47	38.80					
93	53.45	38.81					
94							

K=Conductivity

19.38° @ 2.9m final

Date Logged: June 27, 79 ΔT Well No. 903-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	81.69	27.34					
1.	91.24	24.29	-	-			
1.5	96.20	22.82	-	-			
2.	107.61	19.66	-	-			
2.5	109.20	19.24					
3.	108.52	19.42					
3.5	107.61	19.66					
4.	107.01	19.82					
4.5	106.64	19.92					
5.	106.32	20.00					
5.5	105.89	20.12					
6.	103.64	20.73					
6.5	101.78	21.24					
7.	100.33	21.64					
7.5	99.64	21.84					
8.	98.36	22.20					
8.5	97.93	22.32					
9.	96.80	22.65					
9.5	96.74	22.95					
10.	94.49	23.32					
11.	91.89	24.10					
12.	90.40	24.24					
13.	89.12	24.94					
14.	87.05	25.59					
15.	85.54	26.08					
16.	84.78	26.32					
17.	82.29	27.14					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	80.93	27.60					
19.	79.34	28.14					
20.	78.11	28.57					
22.	74.72	29.70					
24.	73.41	30.26					
26.	72.21	30.70					
28.	~~77.06~~ 70.97	31.17					
30.	69.65	31.68					
32.	68.51	32.13					
34.	67.26	32.63					
36.	66.20	33.05					
38.	65.20	33.47					
40.	64.42	33.79					
42.	63.64	34.12					
44.	62.76	34.49					
46.	61.90	34.87					
48.	60.91	35.30					
50.	60.15	35.64					
52.	59.52	35.92					
54.	58.96	36.18					
56.	58.50	36.39					
58.	57.70	36.76					
60.	57.13	37.02					
62.	56.62	37.27					
64.	56.10	37.51					
66.	55.54	37.79					
68.	55.06	38.02					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	54.63	38.23					
72.	54.22	38.43					
74.	53.81	38.64					
76.	53.53	38.78					
78.	53.41	38.84					
80.	53.46	38.81					
82.	53.52	38.78					
84.	53.55	3877					
86.	53.57	3876					
88.	53.62	3873					
90.	53.54	38.77					
92.	53.44	38.82					
93. (TD)	53.44	38.82					
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

page ____ of ____

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-8

Property-Project Dixie Valley Depth Logged 90m

Map Clan Alpine Ranch Scale 15' Date: Drilled 16/5/79 Logged 25/5/79

State Nevada County Churchill, ___ of ___ of SE of NE of Sec 18 T 21 N R 36 E

Instrument #46 Operator JJ Elevation 3685 ~~(ft (m))~~

Comments 3/4" PVC

Card A

RT JUSTIFY	Proj No	Well No	DA	MO	YR	*
	903	8	25	5	79	C M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
2 Km NE Grover Point well	JJ	DP	16	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	15.	39.	30.0	118.	0.0

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

Use decimals

Northing	Easting	Elev	
33.6	4.3	3685.	F

← Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK
12.0	50.0		

Best cond. (-K)

Downward extrapolations (-ΔK)

Segment 2

Start →	End	K	ΔK
50.0	70.0		

Segment 3

70.0	90.0	-4.2	-.5

Segment 4 Start → .999

Segment 5

Segment 6 Start →

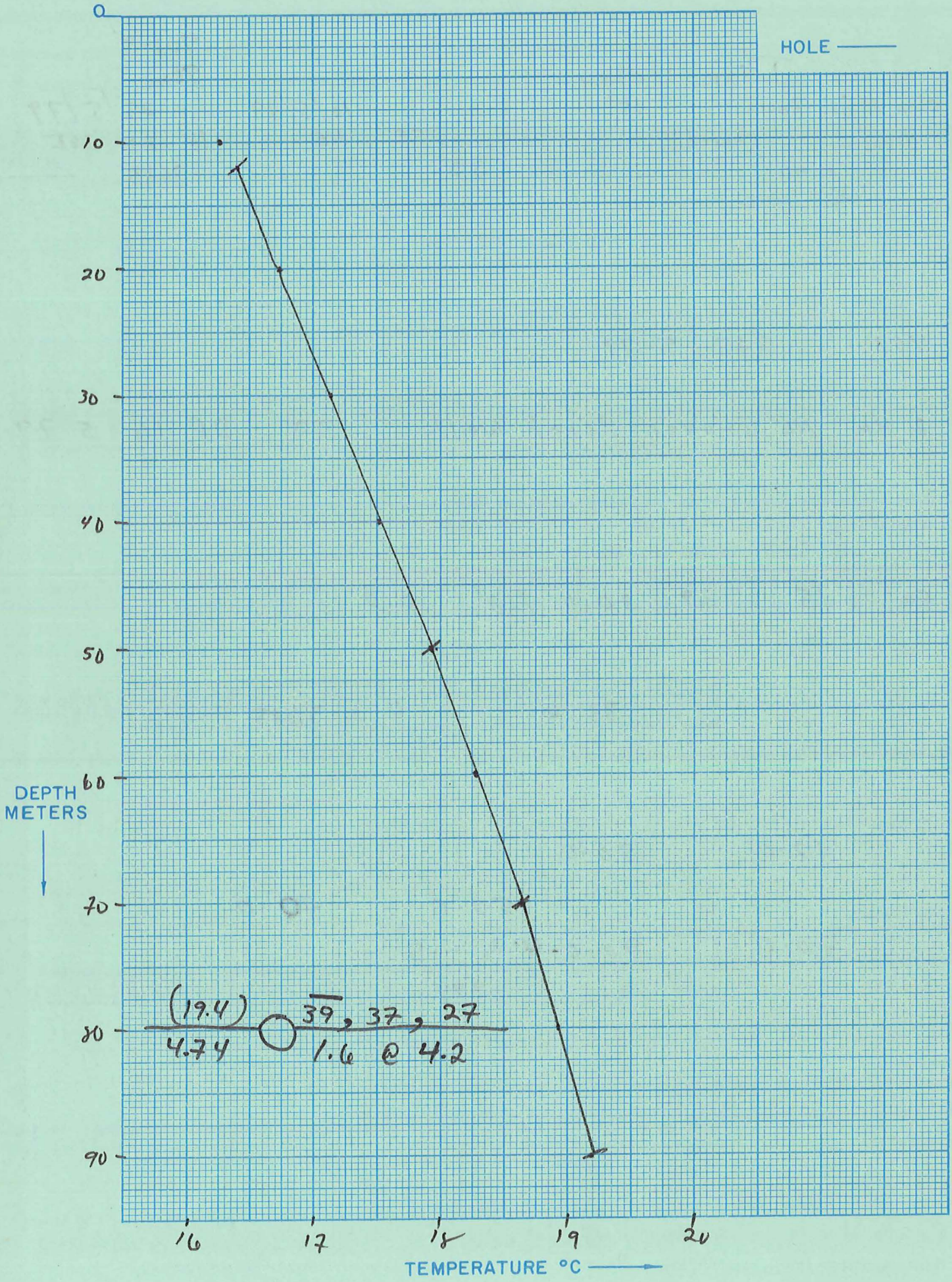
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
16
17
18
19
20
TEMPERATURE °C
(19.4)
4.74
39, 37, 27
1.6 @ 4.2

Prelim

Date Logged: 25/5/79

ΔT Well No. 903-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	134.10	13.22					
4	132.50	13.58					
6	127.31	14.77					
8	123.17	15.75					
10	121.01	16.27					
→ 12	120.42	16.41					
14	120.15	16.48					
16	119.10	16.73					
18	119.55	16.63					
20	119.16	16.72					
22	118.61	16.85					
24	118.30	16.93					
26	118.14	16.97					
28	117.82	17.05					
30	117.49	17.13					
32	117.17	17.21					
34	116.87	17.28					
36	116.57	17.36					
38	116.26	17.44					
40	115.95	17.51					
42	115.63	17.59					
44	115.30	17.67					
46	114.96	17.76					
48	114.66	17.83					
→ 50	114.37	17.91					
52	114.09	17.98					
54	113.79	18.06					

K=Conductivity

Date Logged: 25/5/79 ΔT Well No. 903-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	113.48	18.13					
58	113.19	18.21					
60	112.90	18.28					
62	112.62	18.35					
64	112.33	18.42					
66	112.04	18.50					
68	111.75	18.57					
→ 70	111.47	18.65					
72	111.23	18.71					
74	111.00	18.77					
76	110.79	18.82					
78	110.57	18.88					
80	110.38	18.93					
82	110.19	18.98					
84	109.96	19.04					
86	109.72	19.10					
88	109.55	19.14					
→ 90	109.41	19.18					
92 (10)	109.35	19.20					

K=Conductivity

Cable .085 K52

14.75 @ 2.9m

final

Date Logged: 26/6/79

ΔT Well No. 903-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	94.60	23.28					
1.0	106.08	20.06					
1.5	113.40	18.16					
2.0	120.51	16.39					
2.5	124.91	16.34					
3.0	127.97	14.62					
3.5	129.30	14.32					
4.0	129.91	14.18					
4.5	129.72	14.22					
5.0	129.13	14.36					
5.5	128.47	14.51					
6.0	127.55	14.72					
6.5	126.66	14.93					
7.0	125.64	15.17					
7.5	124.81	15.36					
8.0	123.96	15.56					
8.5	123.30	15.72					
9.0	122.77	15.85					
9.5	122.29	15.96					
10.0	121.98	16.04					
11.	121.38	16.18					
12.	121.04	16.26	.08	82.04			
13.	120.81	16.32	14	137.64			
14.	120.56	16.36					
15.	120.45	16.41					
16.	120.32	16.44					
17.	120.13	16.49					

Salt. .1 from here on

K=Conductivity

Date Logged: 26/6/79 ΔT Well No. 903-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	119.99	16.52					
19.	119.77	16.57					
20.	119.62	16.61					
22.	119.22	16.71					
24.	118.88	16.79					
26.	118.55	16.87					
28.	118.26	16.94					
30.	117.91	17.03					
32.	117.58	17.11					
34.	117.28	17.19					
36.	116.96	17.26					
38.	116.68	17.33					
40.	116.39	17.41					
42.	116.03	17.49					
44.	115.71	17.58					
46.	115.36	17.66					
48	115.04	17.74					
50	114.75	17.82					
52.	114.47	17.89					
54.	114.15	17.97					
56.	113.85	18.04					
58.	113.55	18.12					
60.	113.25	18.20					
62.	112.95	18.27					
64.	112.66	18.35					
66.	112.37	18.42					
68.	112.07	18.49					

K=Conductivity

Date Logged: 26 Je 79

ΔT Well No. 903-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	111.77	18.57					
72.	111.51	18.64					
74.	111.27	18.70					
76.	111.04	18.76					
78.	110.82	18.82					
80.	110.61	18.87					
82.	110.42	18.92					
84.	110.18	18.98					
86.	109.95	19.04					
88.	109.76	19.09					
90.	109.57	19.14					
99999.							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903 - 9

Property-Project Dixie Valley Depth Logged 60 m

Map Dan Alpine Ranch Scale 15 Date: Drilled 10/4/79 Logged 26/5/79

State Nevada County Churchill , of of NW of SW of Sec 16 T 21 N R 36 E

Instrument #46 Operator JJ Elevation 3940 (ft m)

Comments

Card A

RT JUSTIFY	Proj No	Well No	Date Logged DA	MO	YR	*
	903	9	26	5	79	C M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
3.5 Km E Grover Point well	JJ	DP	10	4	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	15.	39.	30.0	118.	0.0

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

Use decimals

Northing	Easting	Elev	
32.8	7.1	3940.	F

← Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK
20.0	60.0	-5.	-.5

Best cond. (-K)

Downward extrapolations (-ΔK)

Segment 2 Start → .999 (End, K, ΔK)

Segment 3

Segment 4 Start →

Segment 5

Segment 6 Start →

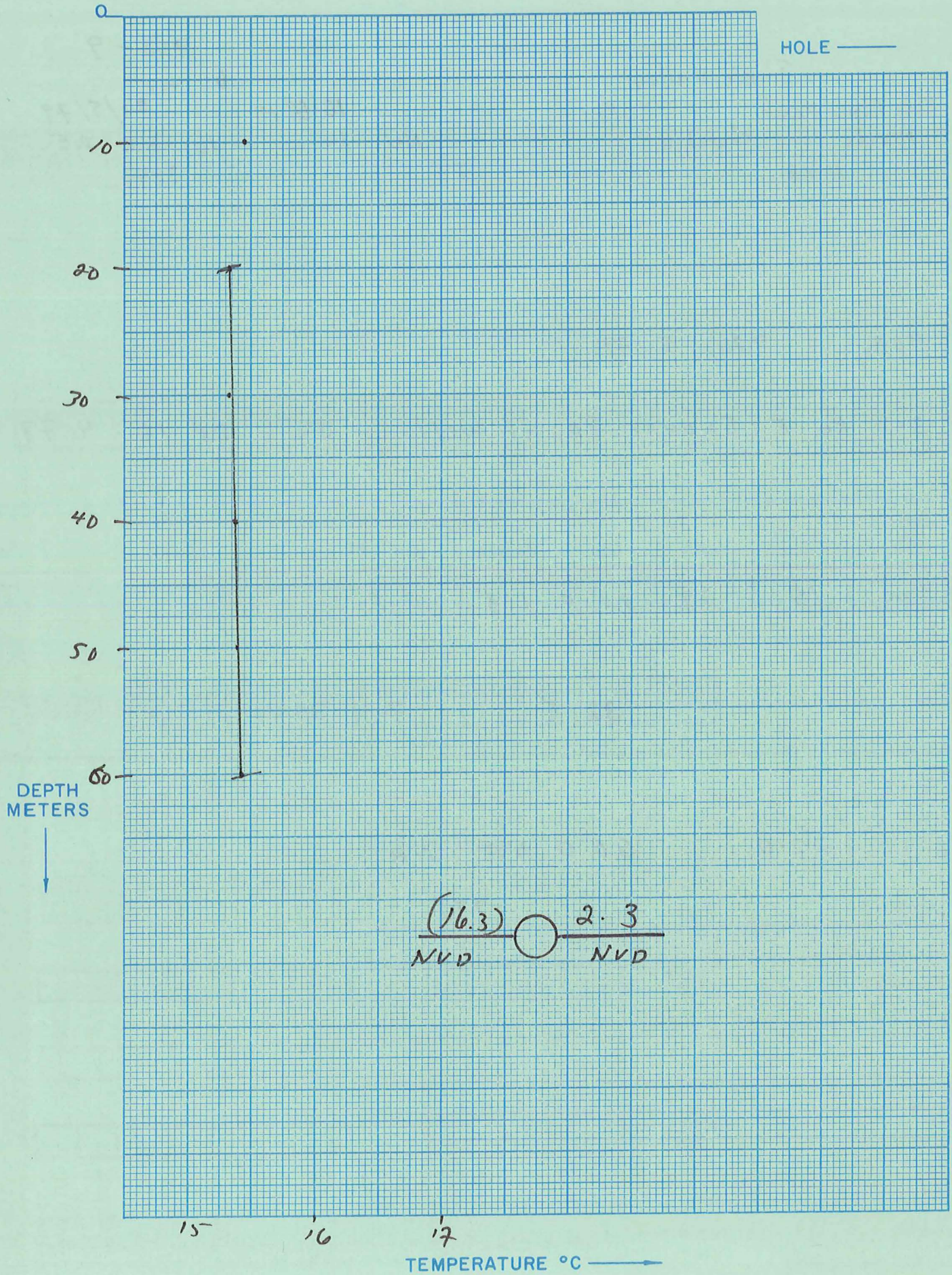
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

After final segment Start = .999


0
HOLE
10
20
30
40
50
60
DEPTH METERS
(16.3)
NVD
2.3
NVD
15
16
17
TEMPERATURE °C

Prelim

Date Logged: 4/9/79

ΔT Well No. 903-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	138.50	12.25					
4	134.79	13.07					
6	129.62	14.24					
8	125.42	15.22					
10	124.45	15.45					
12	124.55	15.42					
14	124.78	15.37					
16	124.87	15.35					
18	124.56	15.42					
20	124.91	15.34					
22	124.96	15.33					
24	124.96	15.33					
26	124.94	15.33					
28	124.89	15.34					
30	124.90	15.34					
32	124.89	15.34					
34	124.86	15.35					
36	124.84	15.35					
38	124.82	15.36					
40	124.78	15.37					
42	124.76	15.37					
44	124.74	15.38					
46	124.68	15.39					
48	124.71	15.38					
50	124.67	15.39					
52	124.64	15.40					
54	124.61	15.41					

K=Conductivity

Date Logged: 4/9/79 ΔT Well No. 903-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	124.59	15.41					
58	124.54	15.43					
60	124.53	15.43					
To 61/62	124.53	15.43					

K=Conductivity

Date Logged: June 27 79

15.02 @ 2.9m

final

ΔT Well No. 903-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	89.98	24.68	—				
1.	103.10	20.87	—				
1.5	110.54	18.89	—				
2.	116.46	17.39	—				
2.5	123.03	15.79	—				
3.	126.84	14.89	—				
3.5	128.02	14.61	—				
4.	129.89	14.18	—				
4.5	130.43	14.06	—				
5.	130.12	14.13	.07	35			
5.5	129.49	14.28	.15	.75			
6.	128.62	14.48	.20	100			
6.5	127.90	14.64	.16	80			
7.	127.53	14.73	.09	45			
7.5	127.02	14.85	.12	60			
8.	126.51	14.97	.12	60			
8.5	126.12	15.06	.09	45			
9.	125.72	15.15	.09	45			
9.5	125.43	15.22	.07	35			
10.	125.26	15.26	.04	20			
11.	124.97	15.33	.07	35			
12.	124.84	15.36	.03	15			
13.	124.80	15.37	.01	5			
14.	124.80	15.37	0	0			
15.	124.81	15.37	0	0			
16.	124.76	15.38	.01	5			
17.	124.52	15.43	.05	25			

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	124.25	15.50	07	35			
19.	124.71	15.39	-.11	-55			
20.	124.89	15.35	-.04	-20			
22.	124.91	15.34	-.01	-5			
24.	124.96	15.33	-.01	-5			
26.	124.95	15.33	0	0			
28.	124.94	15.33	0	0			
30.	124.93	15.33	0	0			
32.	124.91	15.34	.01	5			
34.	124.88	15.35	.01	5			
36.	124.85	15.36	.01	5			
38.	124.83	15.36	0	0			
40.	124.81	15.37	.01	5			
42.	124.79	15.37	0	0			
44.	124.78	15.37	0	0			
46.	124.76	15.38	.01	5			
48.	124.74	15.38	0	0			
50.	124.72	15.39	.01	5			
52.	124.70	15.39	0	0			
54.	124.68	15.40	.01	5			
56.	124.65	15.40	0	0			
58.	124.61	15.41	01	5			
60.	124.60	15.41	0	0			
61 TD	124.60	15.41	0	0			
99999							

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-10

Property-Project Dixie Valley Depth Logged 94m

Map Clan Alpine Ranch Scale 15 Date: Drilled 17/5/79 Logged 25/5/79

State Nevada County Churchill, ___ of ___ of SW of SE of Sec 15 T 21N R 36E

Instrument #46 Operator JJ Elevation 4360 (ft m)

Comments

Card A

RT JUSTIFY	Proj No	Well No	DA	MO	YR	*	Site Description	Operator	Editor	Drilled DA	Drilled MO	Drilled YR
	903	10	25	5	79	C M	6.4 km E Grouer Point well	JJ	/ DP	17	5	79

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

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	N Lat Degree	N Lat Min	W Long Degree	W Long Min **	Northing	Easting	Elev	
cm	15.0	39.	30.0	118.	0.0	32.0	11.8	4360.	F

Map Location * *

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

Use decimals

Write M if if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K) Downward extrapolations (-ΔK)
30.0	70.0			

Segment 2

Start	End	K	ΔK
70.0	90.0	-5.0	-.5

Segment 3: .999

Segment 4 Start →

Segment 5

Segment 6 Start →

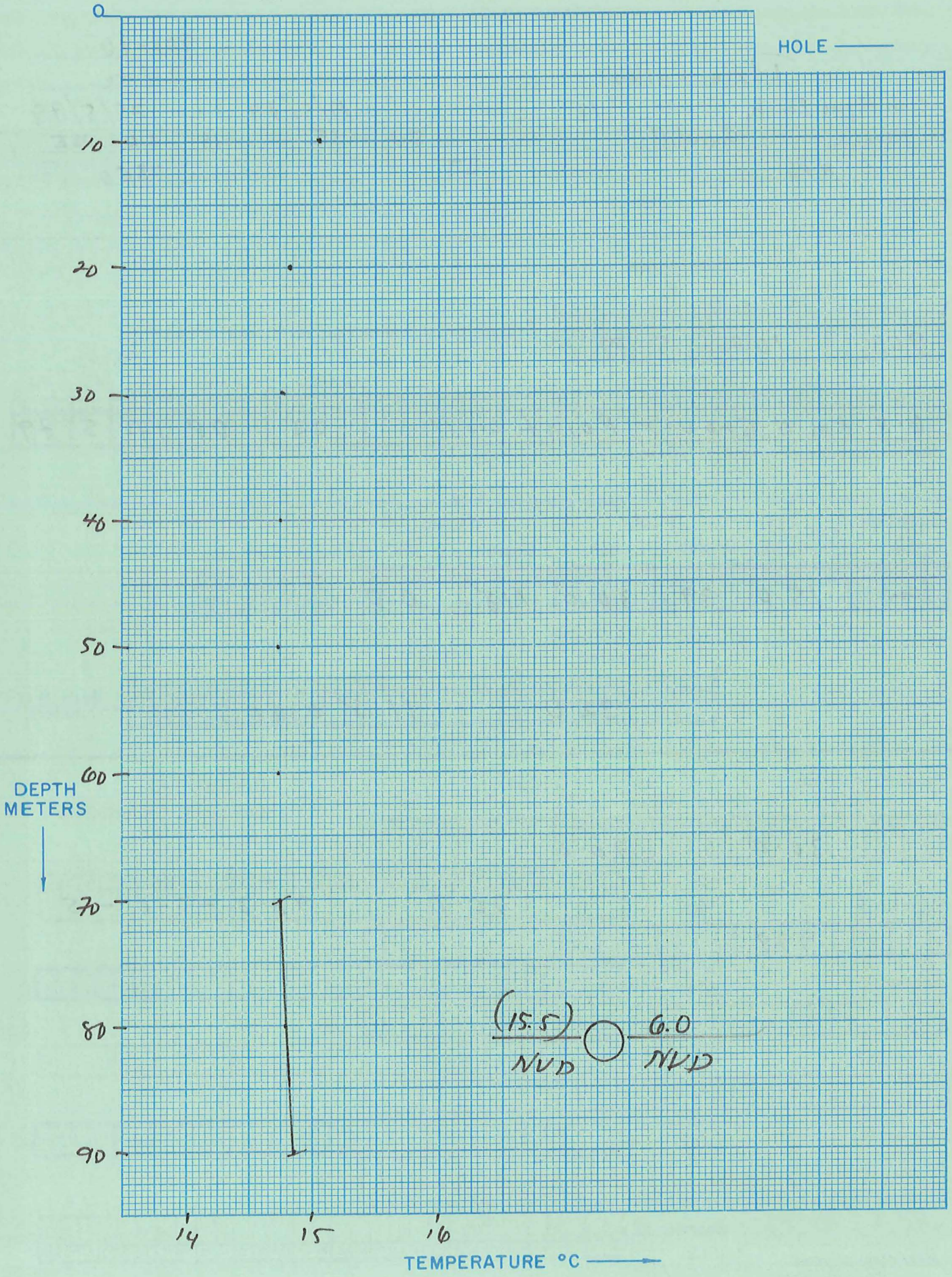
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
14
15
16
TEMPERATURE °C
(15.5)
NVD
6.0
NVD

Avelin

Date Logged: 25/5/79

ΔT Well No. 903-10

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	129.95	14.16					
4	136.01	12.80					
6	130.75	13.98					
8	127.17	14.81					
10	126.08	15.06					
12	126.26	15.02					
14	126.61	14.94					
16	126.90	14.87					
18	127.03	14.84					
20	127.08	14.83					
22	127.13	14.82					
24	127.17	14.81					
26	127.25	14.79					
28	127.31	14.78					
30	127.35	14.77					
32	127.40	14.75					
34	127.44	14.75					
36	127.48	14.74					
38	127.44	14.75					
40	127.47	14.74					
42	127.50	14.73					
44	127.53	14.73					
46	127.55	14.72					
48	127.54	14.72					
50	127.54	14.72					
52	127.51	14.73					
54	127.52	14.73					

K=Conductivity

Date Logged: 25/5/79 ΔT Well No. 903-10

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	127.50	14.73					
58	127.51	14.73					
60	127.49	14.73					
62	127.46	14.73					
64	127.42	14.75					
66	127.42	14.75					
68	127.44	14.74					
70	127.42	14.75					
72	127.39	14.76					
74	127.38	14.76					
76	127.34	14.77					
78	127.26	14.79					
80	127.21	14.80					
82	127.22	14.80					
84	127.18	14.81					
86	127.04	14.84					
88	126.95	14.86					
90	126.91	14.87					
92	126.73	14.91					
94(TD)	126.60	14.94					

K=Conductivity

14.91 @ 2.9m

final

Date Logged: 27/6/79

ΔT Well No. 903-10'

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	86.70	25.70					
1.	96.40	22.76					
1.5	110.63	18.87					
2.	117.68	17.09					
2.5	123.36	15.71					
3.	127.48	14.74					
3.5	130.21	14.11					
4.	132.21	13.65					
4.5	132.52	13.58					
5.	132.30	13.63					
5.5	131.62	13.79					
6.	130.70	14.00					
6.5	129.96	14.17					
7.	129.34	14.31					
7.5	128.16	14.58					
8.	127.74	14.68					
8.5	127.31	14.78					
9.0	126.96	14.86	.08	40			
9.5	126.92	14.87	.01	5			
10.	126.89	14.88	.01	5			
11.	126.67	14.93	.05	25			
12.	126.67	14.93	0	0			
13.	126.78	14.90	-.03	-15			
14.	126.88	14.88	-.02	-10			
15.	126.98	14.86	-.02	-10			
16.	127.08	14.83	-.03	-15			
17.	127.20	14.81	-.02	-10			

K=Conductivity

Date Logged: June 27, 79 ΔT Well No. 903-10'

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	127.24	14.81 14.80	-.01	-5			
19.	127.31	14.78	-.02	-10			
20.	127.35	14.77	-.01	-5			
22.	127.40	14.76	-.01	-5			
24.	127.44	14.75	-.01	-5			
26.	127.49	14.74	-.01	-5			
28.	127.52	14.73	-.01	-5			
30.	127.56	14.72	-.01	-5			
32.	127.59	14.72	0	0			
34.	127.62	14.71	-.01	-5			
36.	127.64	14.70	-.01	-5			
38.	127.62	14.71	.01	5			
40.	127.67	14.70	-.01	-5			
42.	127.68	14.70	0	0			
44.	127.68	14.70	0	0			
46.	127.69	14.70	0	0			
48.	127.69	14.70	0	0			
50.	127.69	14.70	0	0			
52.	127.67	14.70	0	0			
54.	127.66	14.70	0	0			
56.	127.64	14.70	0	0			
58.	127.64	14.70	0	0			
60.	127.61	14.71	.01	5			
62.	127.60	14.71	0	0			
64.	127.57	14.72	.01	5			
66.	127.55	14.72	0	0			
68.	127.53	14.73	.01	5			

K=Conductivity

Date Logged: June 27, 79

ΔT Well No. 903-10'

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	127.51	14.73 14.73	0	0			
72.	127.48	14.74	.01	5			
74.	127.46	14.74	0	0			
76.	127.41	14.76	.02	10			
78.	127.34	14.77	.01	5			
80.	127.30	14.78	.01	5			
82.	127.29	14.78	0	0			
84.	127.25	14.79	.01	5			
86.	127.14	14.82	.03	15			
88.	127.07	14.84	.02	10			
90.	127.02	1485	.01	5			
92.	126.84	14.89	.04	20			
93. TD	126.68	14.93	.04	20			
99999							

K=Conductivity

Date Logged: ______________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

page _____ of _____

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-11

Property-Project Dixie Valley Depth Logged 50 m

Map Clan Alpine Ranch Scale 15 Date: Drilled 8/4/79 Logged 7/5/79

State Nevada County Churchill, ___ of ___ of NW of SW of Sec 24 T 21 N R 36E

Instrument #46 Operator JJ Elevation 4720 (ft m)

Comments

Card A

RT JUSTIFY	Proj No	Well No	DA	MO	YR	*
	903	11	7	5	79	C M

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

Site Description	Operator	Editor	Drilled DA	Drilled MO	Drilled YR
8.8 Km E Grover Point well	JJ	DP	8	4	79

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

Card B

Map Location * *

Scale Unit IN CM	Map Size (7.5, 15., 60.)	N Lat Degree	N Lat Min	W Long Degree	W Long Min **
cm	15.	39.	30.0	118.	0.0

Use decimals

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

Northing	Easting	Elev	
30.3	15.7	4720.	F

Use decimals

← Write M if if meters

Segment 1 = Depths

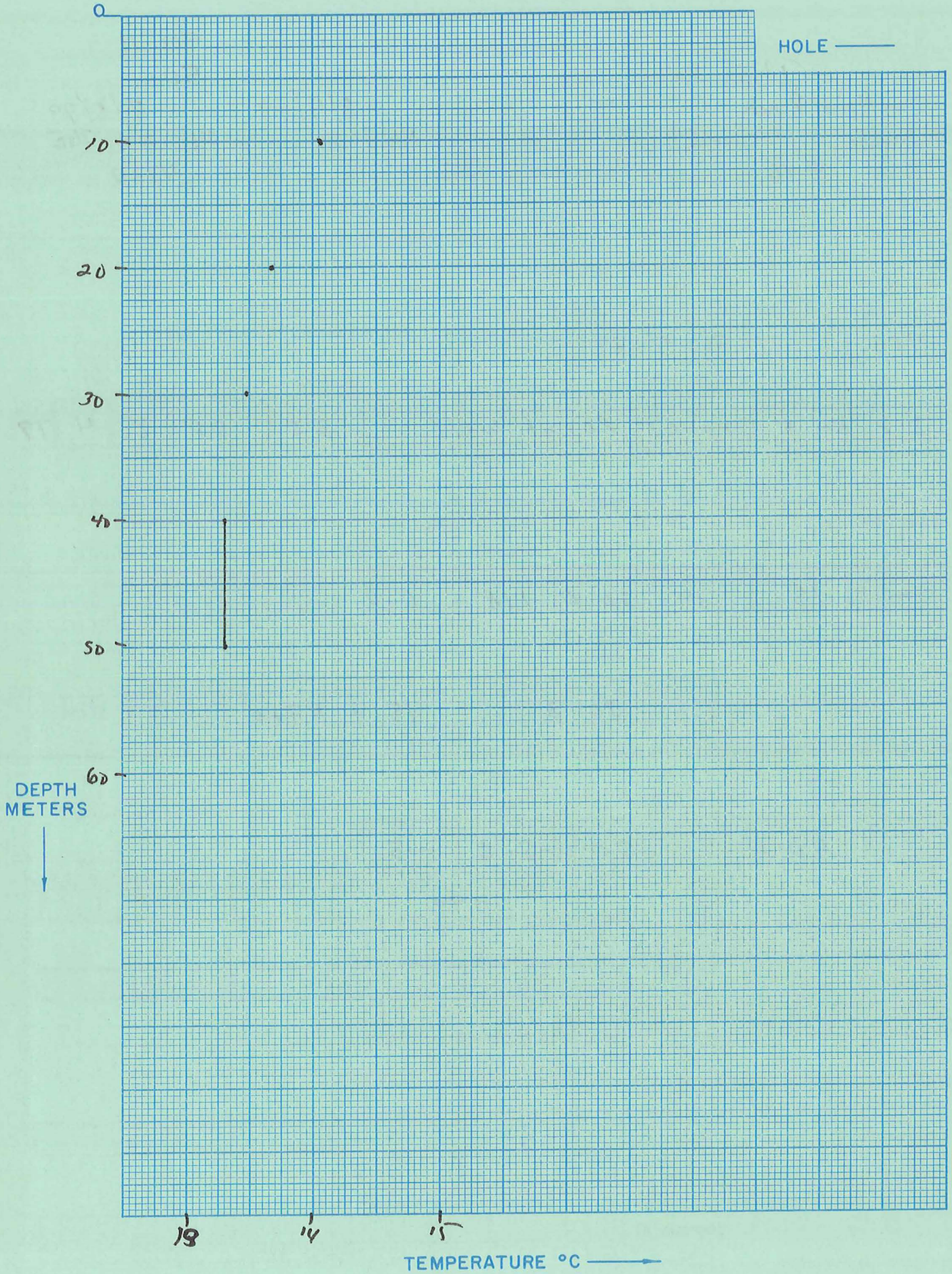
Start	End	Conductivity K	ΔK
40.0	50.0	-5.0	-.5

Best cond. (-K)

Downward extrapolations (-ΔK)

	End	K	ΔK
Segment 2 Start →	.999		
Segment 3			
Segment 4 Start →			
Segment 5			
Segment 6 Start →			
Segment 7			
Segment 8 Start →			
Segment 9			
Segment 10 Start →			

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
DEPTH METERS
13
14
15
TEMPERATURE °C

prelim

Date Logged: 5/7/79

ΔT Well No. 903-11

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	145.93	10.64					
4	144.64	10.92					
6	135.27	13.64					
8	130.49	14.04					
10	130.42	14.06					
12	130.76	13.98					
14	131.02	13.92					
16	131.65	13.78					
18	131.86	13.73					
20	132.07	13.68					
22	132.21	13.65					
24	132.27	13.64					
26	132.37	13.62					
28	132.74	13.53					
30	132.91	13.49					
32	133.06	13.46					
34	133.40	13.38					
36	133.60	13.32					
38	133.59	13.34					
40	133.74	13.31					
42	133.80	13.29					
44	133.90	13.27		60			
46	133.36	13.39					
48	133.83	13.28		20			
50	133.68	13.32					
TD 51/52	134.10	13.22					
54							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

page ______ of ______

June

final

13.75 @ 2.9m

Date Logged: 27/6/79

ΔT Well No. 903-11

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	89.87	24.71	—	—			
1.	102.40	21.07	-	-			
1.5	113.93	18.02	-	-			
2.	118.20	16.96	-	-			
2.5	126.82	14.89	-	-			
3.	132.67	13.55	-	-			
3.5	135.62	12.89	-	-			
4.	136.46	12.70	-	-			
4.5	137.01	12.58					
5.	136.84	12.62					
5.5	136.19	12.76					
6.	135.47	12.92					
6.5	134.68	13.10					
7.	133.89	13.27					
7.5	133.28	13.41					
8.	132.67	13.32	—	—			
8.5	132.20	13.43					
9.	131.80	13.75					
9.5	131.54	13.81					
10.	131.38	13.84					
11.	131.06	13.92					
12.	131.09	13.91					
13.	131.24	13.87					
14.	131.27	13.87	0	0			
15.	131.51	13.81					
16.	131.76	13.76	—	—			
17.	131.92	13.72	-	-			

K=Conductivity

Date Logged: 27/6/79

final

ΔT Well No. 903-11

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	132.01	13,70	–				
19.	132.13	13.67	–	–			
20.	132.22	13.65	–	–			
22.	132.39	13.61	–	–			
24.	132.53	13.58	–	–			
26.	132.65	13.55	–	–			
28.	132.90	13.50	–	–			
30.	133.13	13.45	–	–			
32.	133.32	13.40	–	–			
34.	133.61	13.34	–	–			
36.	133.80	13.30	–	–			
38.	133.93	13.27	–	–			
40.	134.51	13.14	–	–			
42.	134.64	13.11	–	–			
44.	135.33	12.95	–	–			
46.	135.15	12.99	+	+			
48.	135.11	13.00	–	–			
50.	134.38	13.16	–	–			
51.(TD)	134.37	13.17					
99999							

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-13

Property-Project Dixie Valley Depth Logged 88 m

Map Clan Alpine Ranch Scale 1" = 1 S Date: Drilled 15/5/79 Logged 24/5/79

State Nevada County Churchill, ___ of ___ of SW of SE of Sec 4 T 21 N R 36 E

Instrument #46 Operator JJ Elevation 3830 (ft / m)

Comments 3/4" PVC

Card A

RT JUSTIFY

Proj No	Well No	Date Logged DA	MO	YR	*
903	13	24	5	79	C M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
5.8 Km NE Grover Point well	JJ	/ DP	15	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	15.0	39.	30.0	118.	0.0

Use decimals

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

Northing	Easting	Elev	
37.4	8.9	3830.	F

Use decimals

← Write M if if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K) Downward extrapolations (-ΔK)
20.0	50.0			

Segment 2 Start →	End	K	ΔK
50.0	70.0		

Segment 3 Start →	End	K	ΔK
70.0	88.0	-6.0	-.5

Segment 4 Start →	End	K	ΔK
.999			

Segment 5 Start →	End	K	ΔK

Segment 6 Start →	End	K	ΔK

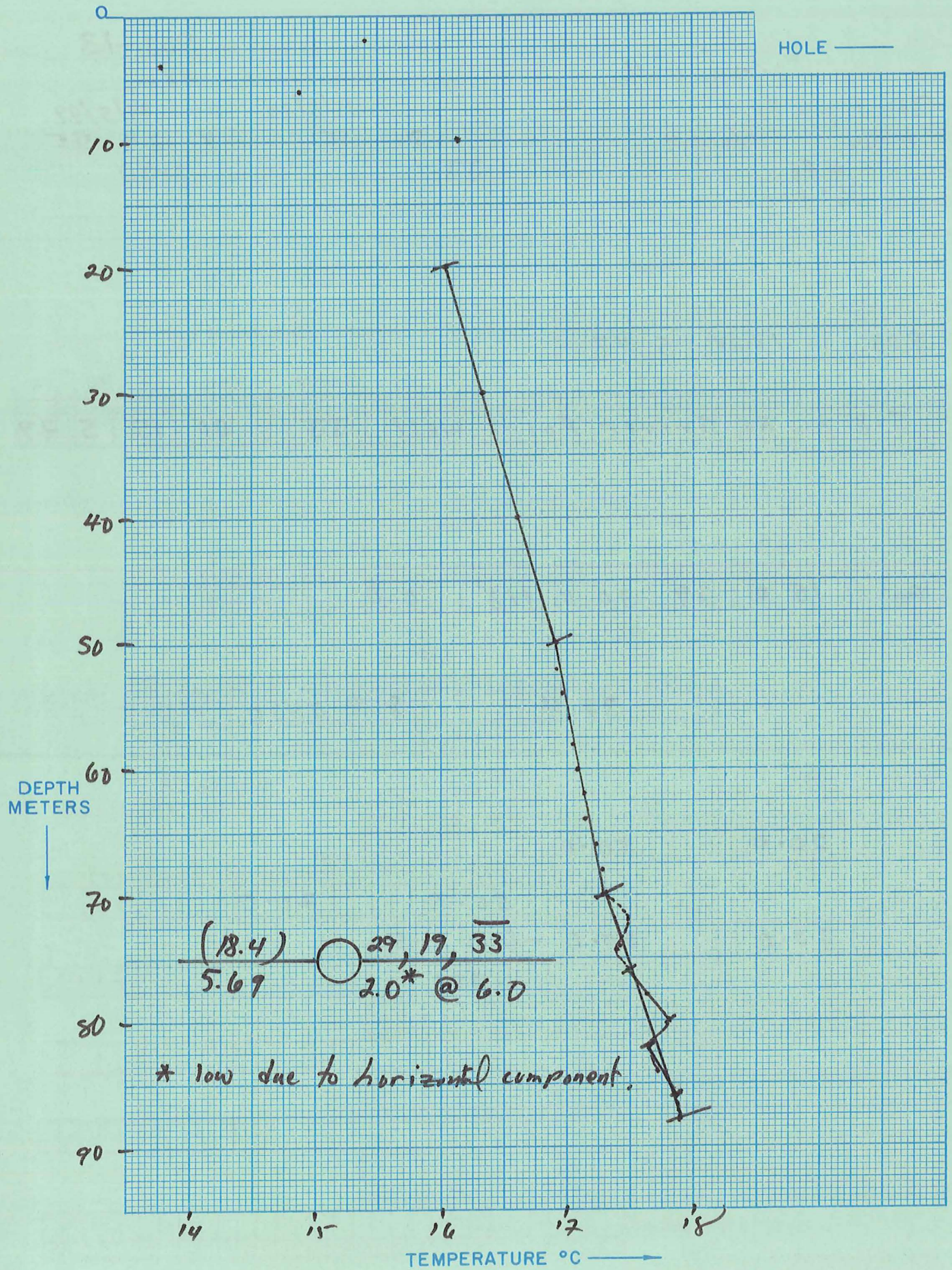
Segment 7 Start →	End	K	ΔK

Segment 8 Start →	End	K	ΔK

Segment 9 Start →	End	K	ΔK

Segment 10 Start →	End	K	ΔK

After final segment Start = .999


0
10
20
30
40
50
60
70
80
90
HOLE
DEPTH METERS
TEMPERATURE °C
14
15
16
17
18
(18.4)
5.69
29, 19, 33
2.0* @ 6.0
* low due to horizontal component.

prelim

Date Logged: 24/5/79

ΔT Well No. 903-13

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	128.47	15.40					
4	131.64	13.78					
6	126.92	14.87					
8	123.36	15.70					
10	121.59	16.13					
12	121.12	16.24					
14	121.35	16.19					
16	121.91	16.05					
18	122.06	16.02					
→ 20	121.90	16.05					
22	121.63	16.12					
24	120.87	16.30					
26	121.11	16.25					
28	120.99	16.28					
30	120.75	16.33					
32	120.55	16.38					
34	120.34	16.43					
36	120.09	16.49					
38	119.87	16.55					
40	119.67	16.60					
42	119.44	16.65					
44	119.23	16.70					
46	119.00	16.76					
48	118.38	16.91					
→ 50	118.39	16.91					
52	118.40	16.91					
54	118.20	16.96					

K=Conductivity

Date Logged: 24/5/79

ΔT Well No. 13

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
		16.96					
56	117.99	17.01					
58	117.83	17.05					
60	117.64	17.09					
62	117.45	17.14					
64	117.24	17.19					
66	117.05	17.24					
68	116.80	17.30					
→ 70	116.84	17.29					
72	116.05	17.49					
74	116.29	17.43					
76	116.10	17.48					
78	115.25	17.69					
80	114.78	17.81					
82	115.34	17.67					
84	115.22	17.70					
86	114.73	17.82					
→ 88	114.47	17.88					
89 (TD)	114.50	17.88					

K=Conductivity

Date Logged: 27/6/79 (mo D. Yr)

15.23° @ 2.9m final

ΔT Well No. 903-13

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	84.50	26.41					
1.	98.89	22.04	—	—			
1.5	107.44	19.70					
2.	116.35	17.41					
2.5	123.11	15.77					
3.	125.90	15.11					
3.5	127.77	14.67					
4.	129.56	14.26					
4.5	129.68	14.23					
5.	129.40	14.29		14.47			
5.5	128.68	14.23 (47)					
6.	127.66	14.70	.47				
6.5	126.92	14.87	.17	85			
7.	126.33	15.01	.04	20			
7.5	125.64	15.17	.16	80			
8.	125.08	15.30	.13	65			
8.5	124.46	15.45	.15	75			
9.	123.96	15.57	.12	60			
9.5	123.57	15.66	.09	45			
10.	123.29	15.73	.07	35			
11.	122.77	15.85	.12	60			
12.	122.55	15.90	.05	25			
13.	122.46	15.92	.02	10			
14.	122.43	15.93	.01	5			
15.	122.46	15.93	0	0			
16.	122.48	15.92	-.01	-5			
17.	122.48	15.92	0	0			

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-13

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	122.44	15.92 15.93	.01	5			
19.	122.34	15.95	.02	10			
20.	122.29	15.96	.01	5			
22.	122.01	16.03	.07	35			
24.	121.73	16.10	.07	35			
26.	121.54	16.15	.05	25			
28.	121.33	16.20	.05	25			
30.	121.12	16.25	.05	25			
32.	120.90	16.30	.05	25			
34.	120.68	16.35	.05	25			
36.	120.44	16.41	.06	30			
38.	120.21	16.47	.06	30			
40.	120.00	16.52	.05	25			
42.	119.77	16.57	.05	25			
44.	119.54	16.63	.06	30			
46.	119.32	16.68	.05	25			
48.	119.06	16.74	.06	30			
50.	118.82	16.81	.07	35			
52.	118.66	16.85	.04	20			
54.	118.48	16.89	.04	20			
56.	118.29	16.94	.05	25			
58.	118.10	16.98	.04	20			
60.	117.90	17.03	.05	25			
62.	117.68	17.09	.06	30			
64.	117.50	17.13	.04	20			
66.	117.27	17.19	.06	30			
68.	117.02	17.25	.06	30			

K=Conductivity

Date Logged: 27/6/79

ΔT Well No. 903-13

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	116.71	17.23 17.33	.08	40			
72.	116.55	17.37	.04	20			
74.	116.42	17.40	.03	15			
76.	116.20	17.45	.05	25			
78.	115.79	17.56	.11	55			
80.	115.56	17.61	.05	25			
82.	115.51	17.63	.02	10			
84.	115.39	17.66	.03	15			
86.	115.17	17.71	.05	25			
88.	114.93	17.77	.06	30			
89.10	114.86	17.79	.02	10			
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-14

Property-Project Dixie Valley Depth Logged 92 m

Map Dixie Valley Scale 7.5 Date: Drilled 20/5/79 Logged 25/5/79

State Nevada County Churchill , ___ of ___ of SE of SE of Sec 33 T 21N R 35E

Instrument #46 Operator JJ Elevation 3560 (ft / m)

Comments 3/4" PVC

Card A

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
9 0 3		1 4	2 5	5	7 9 C M

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

Site Description (Approx. location, water well?, oil test?, etc.)	Operator	Editor	Drilled: 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
4.8 km SE Dixie Valley site	JJ	DP	20	5	79

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** 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
Km	7.5	39.	37.5	118.	7.5

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
5.2	29.3	3560.	F

Use decimals ← Write M if 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
20.0	40.0		

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
40.0	90.0	-5.0	-.5

Segment 3 Start →

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 Start →

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 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 Start →

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 Start →

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

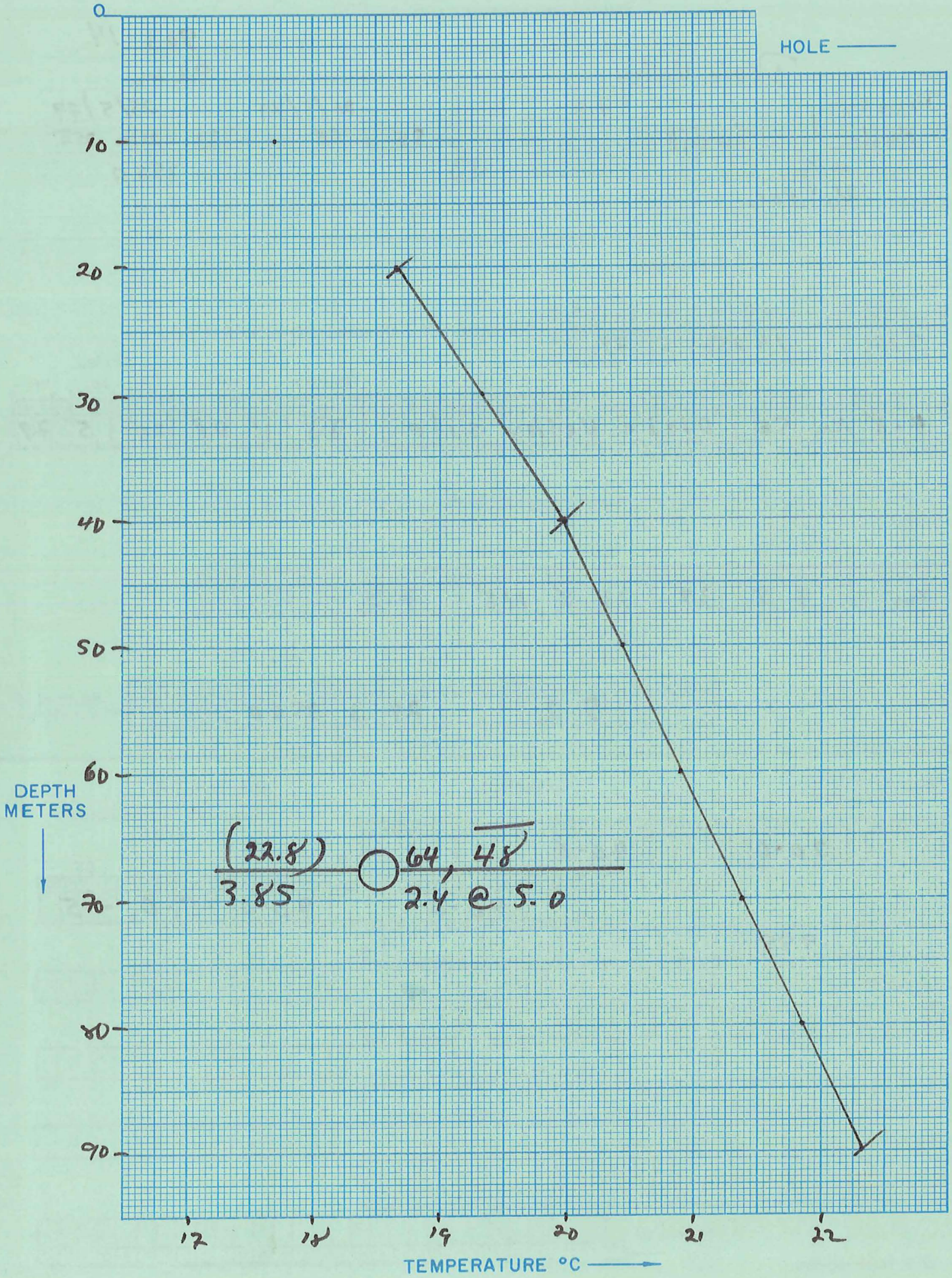
Segment 9

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 Start →

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


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
(22.8)
3.85
64, 48
2.4 @ 5.0
12
18
19
20
21
22
TEMPERATURE °C

prelim

Date Logged: 25/5/79

ΔT Well No. 903-14

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	124.31	15.25					
4	125.68	15.16					
6	121.12	16.24					
8	117.00	17.25					
10	115.04	17.74					
12	114.25	17.94					
14	113.55	18.12					
16	112.87	18.29					
18	112.18	18.47					
20	111.41	18.66					
22	110.94	18.79					
24	110.48	18.90					
26	110.00	19.03					
28	109.41	19.18					
30	108.84	19.33					
32	108.35	19.46					
34	107.92	19.57					
36	107.45	19.70					
38	106.97	19.82					
40	106.56	19.93					
42	106.10	20.06					
44	105.68	20.17					
46	105.38	20.25					
48	105.06	20.34					
50	104.73	20.43					
52	104.37	20.52					
54	104.09	20.60					

K=Conductivity

Date Logged: 25/5/79 ΔT Well No. 903-14

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	103.70	20.71					
58	103.39	20.79					
60	103.03	20.89					
62	102.72	20.97					
64	102.35	21.08					
66	102.00	21.17					
68	101.60	21.28					
70	101.25	21.38					
72	100.92	21.47					
74	100.56	21.57					
76	100.24	21.66					
78	99.92	21.75					
80	99.58	21.85					
82	99.28	21.93					
84	98.97	22.02					
86	98.66	22.11					
88	98.34	22.20					
→ 90	97.96	22.31					
92	97.62	22.40					
93 (TD)	97.61	22.41					
94							

K=Conductivity

Date Logged: June 27 79 16.6 @ 2.9m final

ΔT Well No. 903-14

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	83.67	26.68					
1.	99.70	21.82	–	–			
1.5	109.27	19.23	–	–			
2.	114.80	17.80	–	–			
2.5	119.14	16.73	–	–			
3.	122.91	15.82	–	–			
3.5	124.50	15.44	–	–			
4.	124.98	15.33	–	–			
4.5	124.60	15.41					
5.	123.39	15.70					
5.5	122.37	15.95					
6.	121.53	16.15					
6.5	120.54	16.39					
7.	119.72	16.59					
7.5	118.81	16.81					
8.	118.10	16.98					
8.5	117.50	17.13					
9.	116.96	17.26					
9.5	116.60	17.35					
10.	116.16	17.46					
11.	115.36	17.66					
12.	115.01	17.75					
13.	114.60	17.85					
14.	114.18	17.96					
15.	113.77	18.06					
16.	113.42	18.15					
17.	113.11	18.23					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-14

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	112.67	18.34					
19.	112.19	18.47					
20.	111.87	18.55					
22.	111.78	18.57					
24.	111.00	18.77					
26.	110.49	18.90					
28.	109.89	19.06					
30.	109.34	19.20					
32.	108.82	19.34					
34.	108.30	19.48					
36.	107.82	19.60					
38.	107.33	19.73					
40.	106.85	19.86					
42.	106.39	19.98					
44.	105.97	20.10					
46.	105.69	20.17					
48.	105.31	20.27					
50.	104.97	20.36					
52.	104.43	20.51					
54.	104.33	20.54					
56.	104.02	20.62					
58.	103.67	20.72					
60.	103.22	20.84					
62.	102.86	20.93					
64.	102.51	21.03					
66.	102.14	21.14					
68.	101.79	21.23					

K=Conductivity

Date Logged: 27/6/79 ΔT Well No. 903-14

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	101.40	21.34					
72.	101.09	21.43					
74.	100.70	21.54					
76.	100.39	21.62					
78.	100.06	21.72					
80.	99.74	21.81					
82.	99.41	21.90					
84.	99.10	21.99					
86.	98.77	22.08					
88.	98.49	22.16					
90.	98.11	22.27					
92.	97.73	22.38					
TD 93.	97.64	22.40					
99999							

K=Conductivity

Date Logged: ____________________ ΔT Well No. ____________

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.

K=Conductivity

page ____ of ____

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

no final

ΔT Well No. 903-15

Property-Project Dixie Valley Depth Logged 69 m

Map Clan Alpine Ranch Scale 1/15' Date: Drilled 12/4/79 Logged 15/4/79

State Nevada County Churchill, ___ of ___ of SE of SW of Sec 1 T21N R35E

Instrument #46 Operator JG Elevation 3460 ~~(ft m)~~

Comments 3/4 PVC

Card A

RT JUSTIFY	Proj No	Well No	Date Logged DA	MO	YR	*
	903	15	15	4	79	C M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
3.2 km N Grover Point well	JG	DP	12	4	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	15.	39.	30.0	118.	0.0

Use decimals

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

Northing	Easting	Elev	
37.1	0.9	3460.	F

Use decimals

← Write M if if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K) Downward extrapolations (-ΔK)
20.0	30.0			

Segment 2

Start	End	K	ΔK
30.0	50.0		

Segment 3

50.0	68.0	-4.5	-.5	

Segment 4

Start
.999

Segment 5

Segment 6

Start →

Segment 7

Segment 8

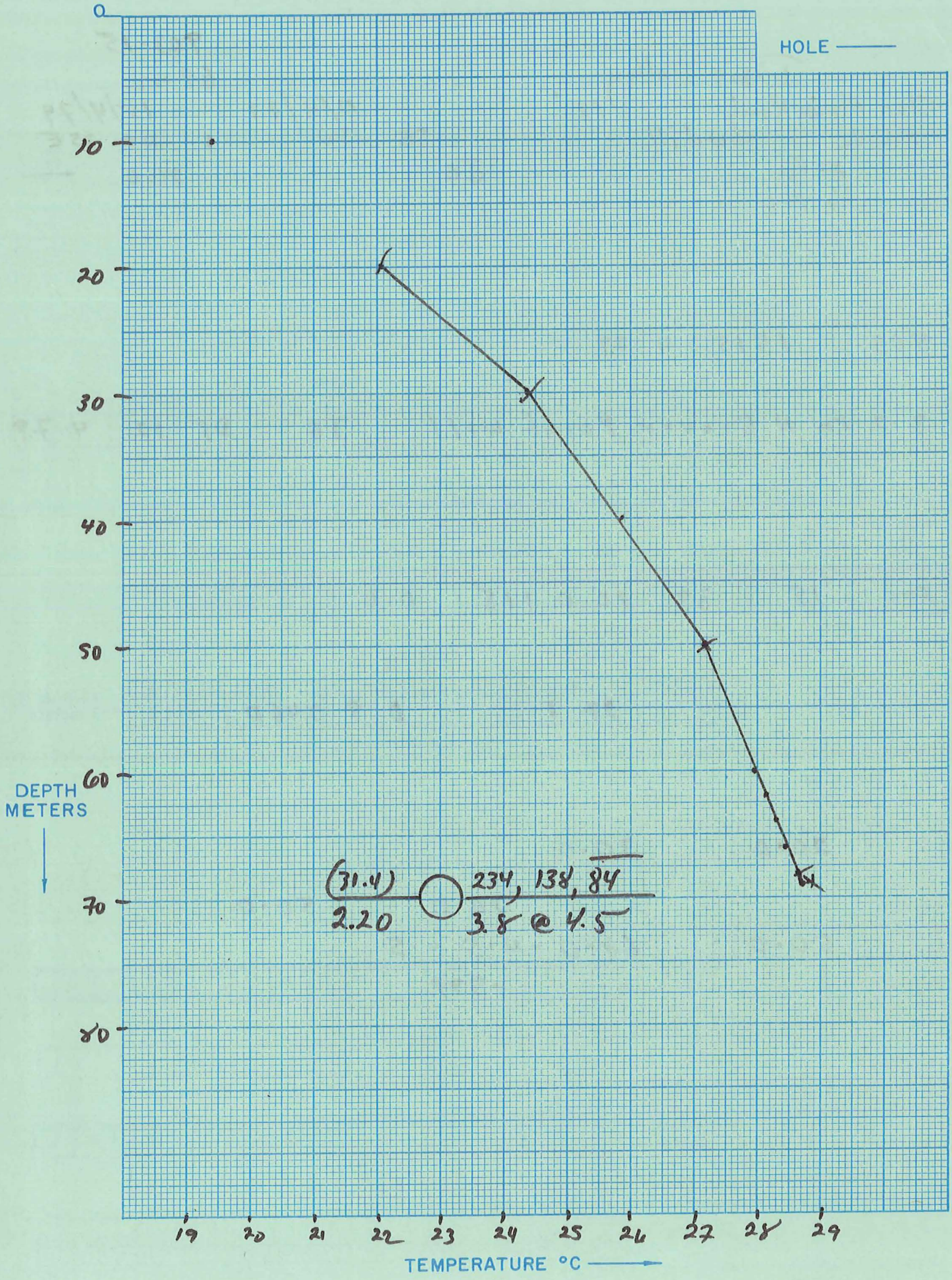
Start →

Segment 9

Segment 10

Start →

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
DEPTH METERS
(31.4)
2.20
234, 138, 84
3.8 @ 4.5
19
20
21
22
23
24
25
26
27
28
29
TEMPERATURE °C

evelin

Date Logged: 4/15/79

ΔT Well No. 903-15

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
6	115.00	17.75					
8	111.38	18.67					
10	108.55	19.41					
12	106.73	19.89					
14	104.98	20.36					
16	103.01	20.90					
18	100.87	21.49					
20	98.88	22.05					
22	97.62	22.41					
24	95.76	22.95					
26	94.26	23.39					
28	93.13	23.72					
30	90.93	24.39					
32	89.72	24.76					
34	88.78	25.05					
36	87.64	25.41					
38	86.84	25.66					
40	86.31	25.83					
42	85.99	25.93					
44	85.34	26.14					
46	84.80	26.31					
48	83.56	26.72					
50	82.27	27.15					
52	81.93	27.26					
54	81.36	27.45					
56	80.90	27.61					
58	80.41	27.77					

K=Conductivity

Date Logged: 4/15/79

ΔT Well No. 903-15

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
60	79.94	27.93					
62	79.33	28.14					
64	78.87	28.30					
66	78.45	28.45					
→ 68	77.83	28.66					
69 TD	77.72	28.70					
72							
74							

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

ΔT Well No. 903-16

Property-Project Dixie Valley Depth Logged 92 m

Map Clan Alpine Ranch Scale 15' Date: Drilled 17/5/79 Logged 25/5/79

State Nevada County Churchill, ___ of ___ of SE of SE of Sec 23 T 21 N R 36 E

Instrument #46 Operator JJ Elevation 4640 (ft / m)

Comments ¼ PVC

Card A

RT JUSTIFY	Proj No	Well No	Date Logged DA	MO	YR	*	
	903	1625	5	79	C	M

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

Site Description	Operator	Editor	Drilled DA	MO	YR
8.0 km E Grover Point well	JJ	DP	17	5	79

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

Card B

Scale Unit IN CM	Map Size (7.5, 15., 60.)	Map Location ** N Lat Degree	Min	W Long Degree	Min **
cm	15.0	39.	30.0	118.	0.0

Use decimals

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

Northing	Easting	Elev	
29.4	14.5	4640.	F

Use decimals

← Write M if if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK
10.0	40.0	-5.0	-.5

Best cond. (-K)

Downward extrapolations (-ΔK)

Segment 2 Start → 40.0 End 70.0 K ΔK

Segment 3 70.0 92.0

Segment 4 Start → .999

Segment 5

Segment 6 Start →

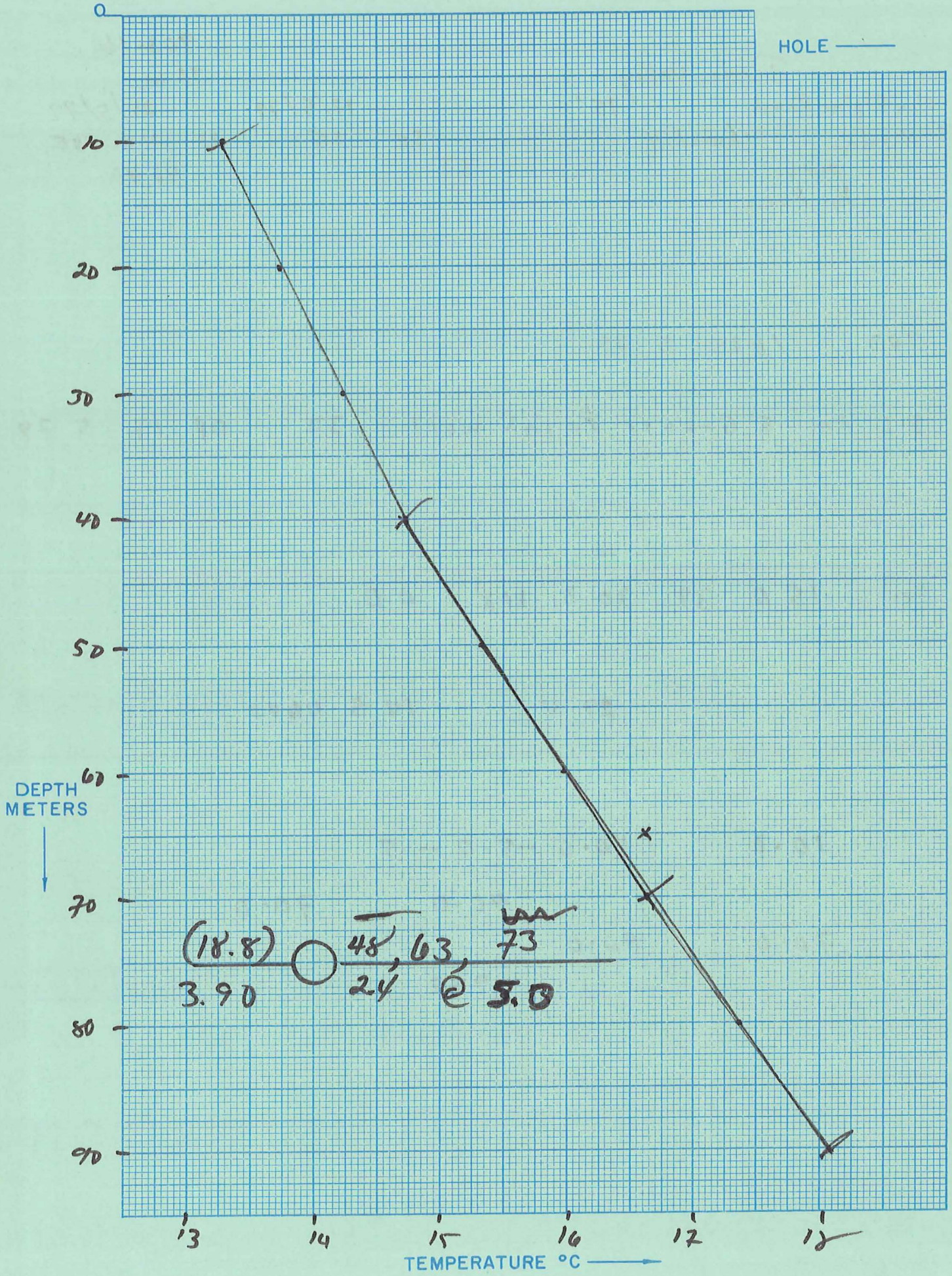
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

After final segment Start = .999


HOLE
0
10
20
30
40
50
60
70
80
90
DEPTH METERS
(18.8)
3.90
48, 63, 73
24' @ 5.0
13
14
15
16
17
18
TEMPERATURE °C

prelim

Date Logged: 25/5/79

ΔT Well No. 903-16

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
56	123.31	15.72					
58	122.84	15.83					
60	122.21	15.98					
62	121.80	16.08					
64	121.41	16.17					
66	120.79	16.33					
68	120.21	16.46					
70	119.59	16.62					
72	119.00	16.76					
74	118.40	16.91					
76	117.78	17.06					
78	117.18	17.21					
80	116.57	17.36					
82	116.01	17.50					
84	115.42	17.65					
86	114.85	17.79					
88	114.27	17.93					
90	113.70	18.08					
92	113.13	18.22					
93 (TD)	112.99	18.26					

K=Conductivity

Date Logged: 25/5/79 ΔT Well No. 903-16

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
2	146.02	10.62					
4	143.89	11.08					
6	137.97	12.37					
8	134.79	12.40					
10	133.84	13.28					
12	133.53	13.35					
14	133.23	13.42					
16	132.90	13.49					
18	132.36	13.61					
20	131.88	13.72					
22	131.41	13.83					
24	130.97	13.93					
26	130.54	14.03					
28	130.13	14.12					
30	129.65	14.23					
32	128.95	14.40					
34	128.56	14.49					
36	128.43	14.52					
38	128.05	14.60					
40	127.50	14.73					
42	126.82	14.89					
44	126.40	14.99					
46	126.10	15.06					
48	125.35	15.24					
50	124.96	15.33					
52	124.42	15.45					
54	123.82	15.60					

K=Conductivity

Date Logged: 27/6/79

12.27°C 29m final

ΔT Well No. 903-16

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
.5	95.60	22.99					
1.	112.51	18.38					
1.5	120.12	16.49					
2.	128.74	14.45					
2.5	134.75	13.08					
3.	138.98	12.15					
3.5	141.31	11.64					
4.	142.11	11.46					
4.5	142.01	11.49					
5.	141.03	11.48					
5.5	140.99	11.71					
6.	138.88	12.17					
6.5	137.87	12.39					
7.	137.00	12.58					
7.5	136.23	12.75					
8.	135.61	12.89					
8.5	135.14	12.99					
9.	134.86	13.06					
9.5	134.55	13.13					
10.	134.39	13.16					
11.	134.05	13.24					
12.	133.85	13.28					
13.	133.65	13.33					
14.	133.32	13.40					
15.	133.11	13.45					
16.	132.78	13.52					
17.	132.61	13.56					

K=Conductivity

Date Logged: 26/6/79

ΔT Well No. 903-16

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
18.	132,61	13.56					
19.	132,35	13,62					
20.	132.12	13.67					
22.	131.67	13,55					
24.	131.19	13.66					
26.	130.73	13,99					
28.	129.89	14,18					
30.	129.61	14.25					
32.	129.20	14.34					
34.	128.81	14,43					
36.	128.50	14,50					
38.	12796	14,63					
40.	127,59	14.71					
42.	127.02	14,85					
44.	126.66	14.93					
46.	126.26	15.02					
48.	125.79	15,13					
50.	125,57	15.18					
52.	125,52	15.20					
54.	123.98	15.56	.36	180			
56.	123.49	15,68					
58.	122.94	15,81					
60.	122.44	15.93					
62.	121.90	16.06					
64.	121.37	16.19					
66.	120,81	16.32					
68.	120,27	16.45					

K=Conductivity

Date Logged: 26/6/74 ΔT Well No. 903-16

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
70.	119.67	16.60					
72.	119.11	16.74					
74.	118.51	16.88					
76.	117.89	17.03					
78.	117.32	17.18					
80.	116.75	17.32					
82.	116.14	17.47					
84.	115.56	17.61					
86.	114.97	17.76					
88.	114.39	17.91					
90.	113.80	18.06					
92.	113.30	18.18					
93.70	113.04	18.25					
99999							

K=Conductivity

·14°C/Km

AMAX EXPLORATION, INC. 12-3.3

TEMPERATURE/DEPTH LOG

ΔT Well No. 319 = 903-20

Property-Project 566 Depth Logged 40 m

Map Humbolt Salt marsh Scale 1:62,500 Date: Drilled ____ Logged 6-22-78

State NEV County CHURCHILL , ____ of ____ of ____ of SW of Sec 14 T 22N R 36E

Instrument DT 101 Operator M. Gross Elevation 3562' (ft/~~m~~)

Comments Abnd windmill

DYER FLAT WELL

Date Logged

RT JUSTIFY

Card A

Proj No (1–4)	Well No (5–10)	DA (11–12)	MO (14–15)	YR (17–18)	* 19	20
566	20	22	6	78	C	M

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

Site Description (21–50)	Operator (51–55)	Editor (56–60)	Drilled DA (61–62)	MO (64–65)	YR (67–68)
ABANDONED WINDMILL	MG	/			

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

Map Location **

Card B

Scale Unit IN CM (21–25)	Map Size (7.5, 15., 60.) (26–30)	N Lat Degree (31–35)	N Lat Min (36–40)	W Long Degree (41–45)	W Long Min (46–50) **
M	15.	39.	45.0	118.	00.

Use decimals

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

Northing (51–60)	Easting (61–70)	Elev (71–75)	76–79	80
3.4	13.50	3562.		F

Use decimals

Write M if if meters

Segment 1 = Depths Start (21–30)	End (31–40)	Conductivity K (41–45)	ΔK (46–50)
15.0	40.0	-3.5	-0.5

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

Segment 2 Start (51–60)	End (61–70)	K (71–75)	ΔK (76–80)
.999			

Segment 3

Segment 4 Start →

Segment 5

Segment 6 Start →

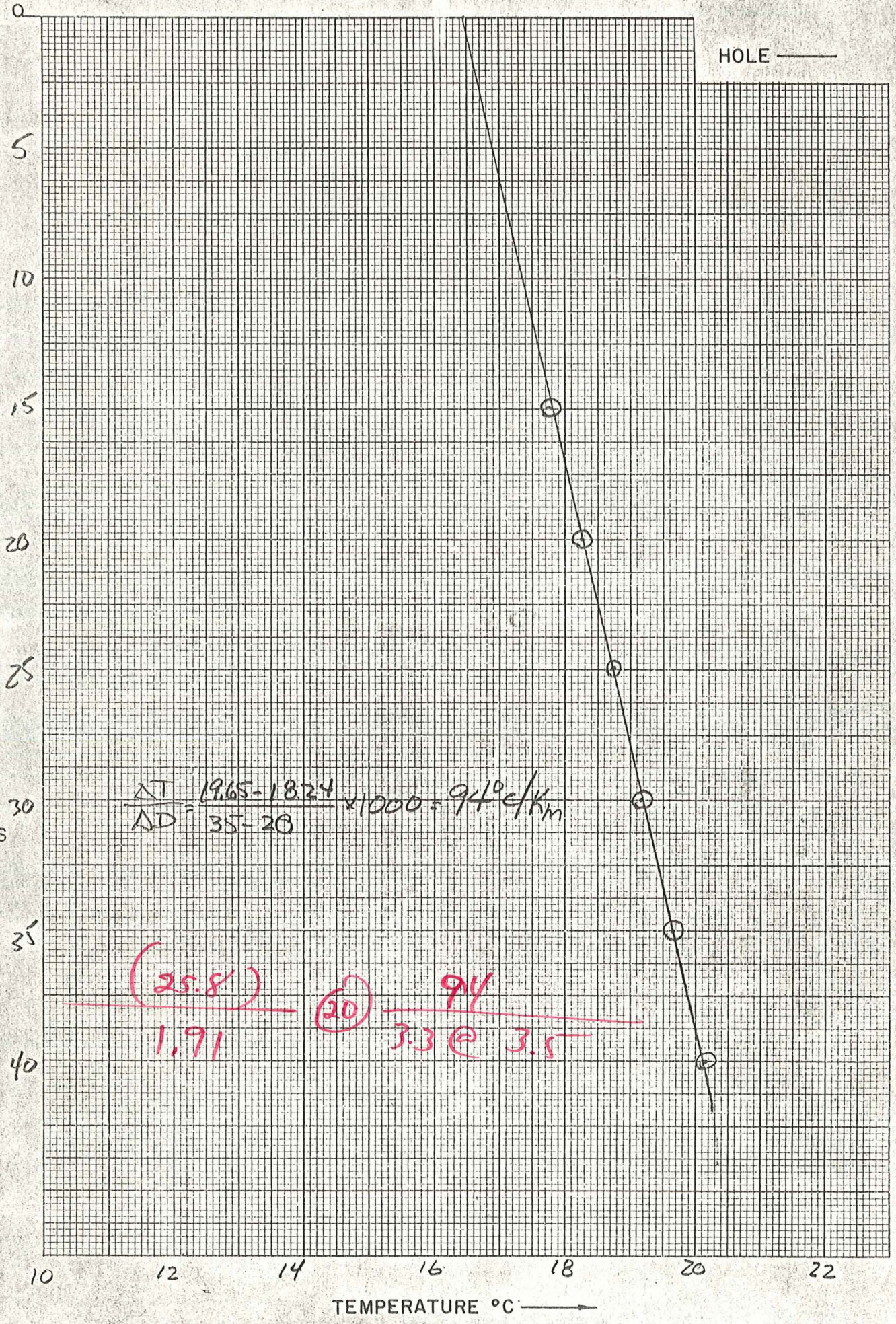
Segment 7

Segment 8 Start →

Segment 9

Segment 10 Start →

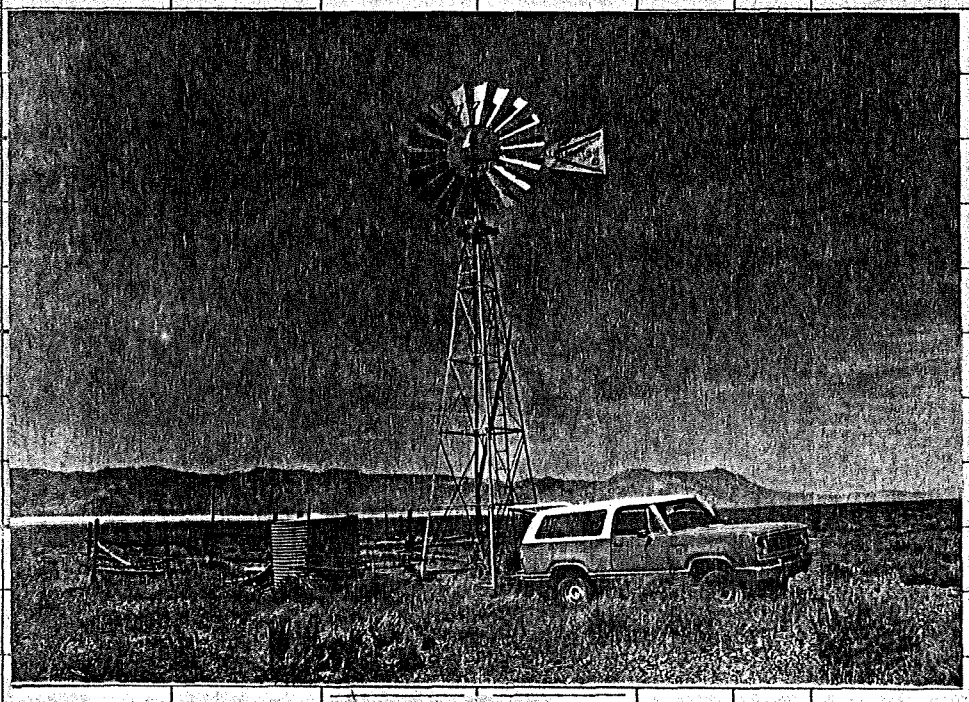
After final segment Start = .999


HOLE
0
5
10
15
20
25
30
35
40
DEPTH METERS
10
12
14
16
18
20
22
TEMPERATURE °C
$\frac{\Delta T}{\Delta D} = \frac{19.65 - 18.24}{35 - 20} \times 1000 = 94°C/Km$
(25.8) / 1.91 @ 20 94 / 3.3 @ 3.5

M6R4F15

Date Logged: 6.12.78 ΔT Well No. 319

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H_2O Air	Lithology, etc.
0						Air	Qal
5							
10							
15		17.78	.46	92			
20		18.24	.47	94			
25		18.71	.48	96			
30		19.19	.46	92			
35		19.65	.48	96			
40	2	20.13					
99999.							



K=Conductivity

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