

AT Well No. 864-81

Property-Project MC COY - 864

Depth Logged 92.7 meters

Map EDWARDS CREEK VALLEY Scale 15'

Date: Drilled 03/25/81 Logged 05/27/81

State NEV. County CHURCHILL of SW of SW of Sec 29 T 22N R 39E

Instrument SPAFFORD #46 Operator MARK AVERY Elevation 5480 (m)

Comments EXPOSURE PACE AT HOLE: 2nd log

JUSTIFY

Card A

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	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		
864	81270581			

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

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 69 70 71 72 73 74 75 76 77 78 79 80			
0.8 km SE OF SHOSHONE PAS	MAA / JED 25 03 81			

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

Card B

Scale Unit

Map Size (75, 15, 60)

N Lat

W Long

IN CM	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			
CM	15.0	39.30.0	117.45.0	

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

Use decimals

Northing

Easting

Elev

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 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
	42.4	17.345480. F

Use decimals

Write M if meters

Segment 1 = Depths

Start

End

Conductivity

K

ΔK

Best cond. (-K)

Downward extrapolations (-ΔK)

Start	End	Conductivity
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	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00
6.0	14.0	

Segment 2

Start

End

Start	End	Conductivity
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 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
		14.0

Segment 3

Start

End

Start	End	Conductivity
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	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
		24.0

Segment 4

Start

End

Start	End	Conductivity
01 02 03 04 05 06 07 08 09 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
		34.0

Segment 5

Start

End

Start	End	Conductivity
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	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00
		50.0

Segment 6

Start

End

Start	End	Conductivity
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 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
		62.0

Segment 7

Start

End

Start	End	Conductivity
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	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
		70.0

Segment 8

Start

End

Start	End	Conductivity
01 02 03 04 05 06 07 08 09 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
		92.0

Segment 9

Start

End

Start	End	Conductivity
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	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00
		-4.8

Segment 10

Start

End

Start	End	Conductivity
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 91 92 93 94 95 96 97 98 99 00	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
		99.9

After final segment

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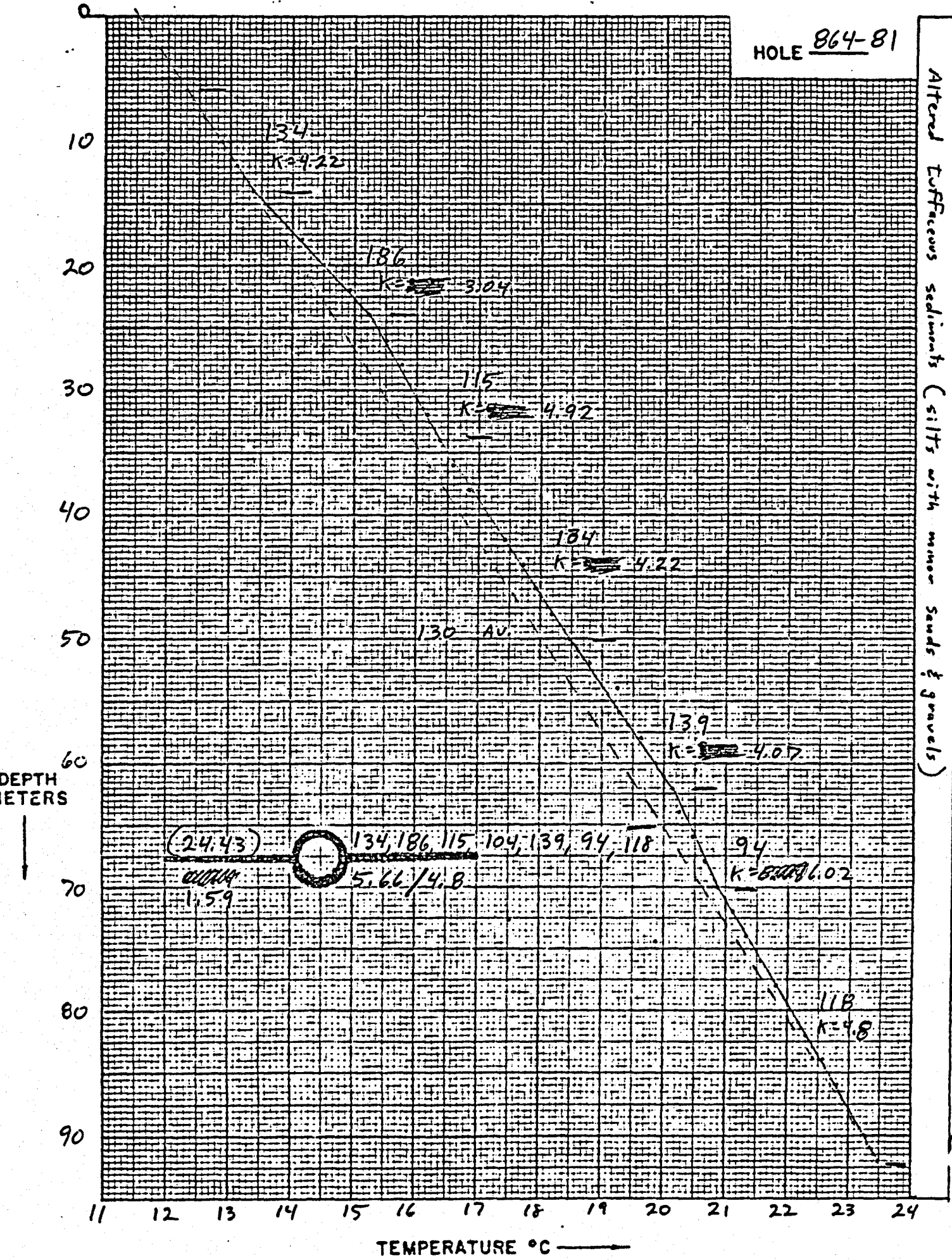
Date Logged: 05/27/81

AT Well No. 864-81

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	(H ₂ O) ATR	Lithology, etc. (cuttings in ELKO, NV.)
0							
2							volcanic tuffs and
4							weathered flow rocks.
6	138.28	12.30					
8	136.90	12.60	.30	150			
10	135.60	12.89	.29	145			
12	134.65	13.10	.21	105			
14	133.46	13.37	.27	135			
16	131.86	13.73	.36	180			
18	130.08	14.14	.41	205			
20	128.40	14.52	.38	190			
22	126.71	14.92	.40	200			
24	125.37	15.23	.31	155			
26	124.21	15.51	.28	140			
28	123.09	15.77	.26	130			
30	122.19	15.99	.22	110			
32	121.40	16.18	.19	95			
34	120.55	16.38	.20	100			
36	119.65	16.60	.22	110			
38	118.58	16.86	.26	130			
40	117.43	17.15	.29	145			
42	116.31	17.42	.27	135			
44	115.14	17.72	.30	150			
46	114.12	17.97	.25	125			
48	113.28	18.19	.22	110			
50	112.16	18.47	.28	140			
52	110.85	18.81	.34	170			

HOLE 864-81

Attend tuffaceous sediments (silt with minor sands & gravels)



DEPTH METERS

TEMPERATURE °C

Logged: 05/27/81

ΔT Well No. 864-81

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	^{H₂O} Air	Lithology, etc.
54	109.21	18.81 19.24	.43	215			
56	109.07	19.27	.03	15			
58	107.76	19.62	.35	165			
60	106.76	19.88	.26	130			
62	105.80	20.14	.26	130			
64	105.38	20.25	.11	55			
66	104.62	20.46	.21	105			
68	103.82	20.67	.21	105			
70	103.04	20.89	.22	110			
72	102.24	21.11	.22	110			
74	101.45	21.33	.22	110			
76	100.57	21.57	.24	120			
78	99.74	21.80	.23	115			
80	98.90	22.04	.24	120			
82	98.00	22.30	.26	130			
84	97.07	22.57	.27	135			
86	96.24	22.81	.24	120			
88	95.56	23.00	.19	95			
90	94.70	23.26	.26	130			
92	93.91	23.49	.23	115			
94	93.77						
96							
98							
100							
102							
104							
106							

LITHOLOGIC LOG

Project: 864 (McCoy)

Hole: 81

Elevation: 5480' MSL

Date Drilled: 3/25/81


Location: SW 1/4 SW 1/4 Sec 29 T22N R39E

Method: air/foam injection

Geologist: Mark Avery

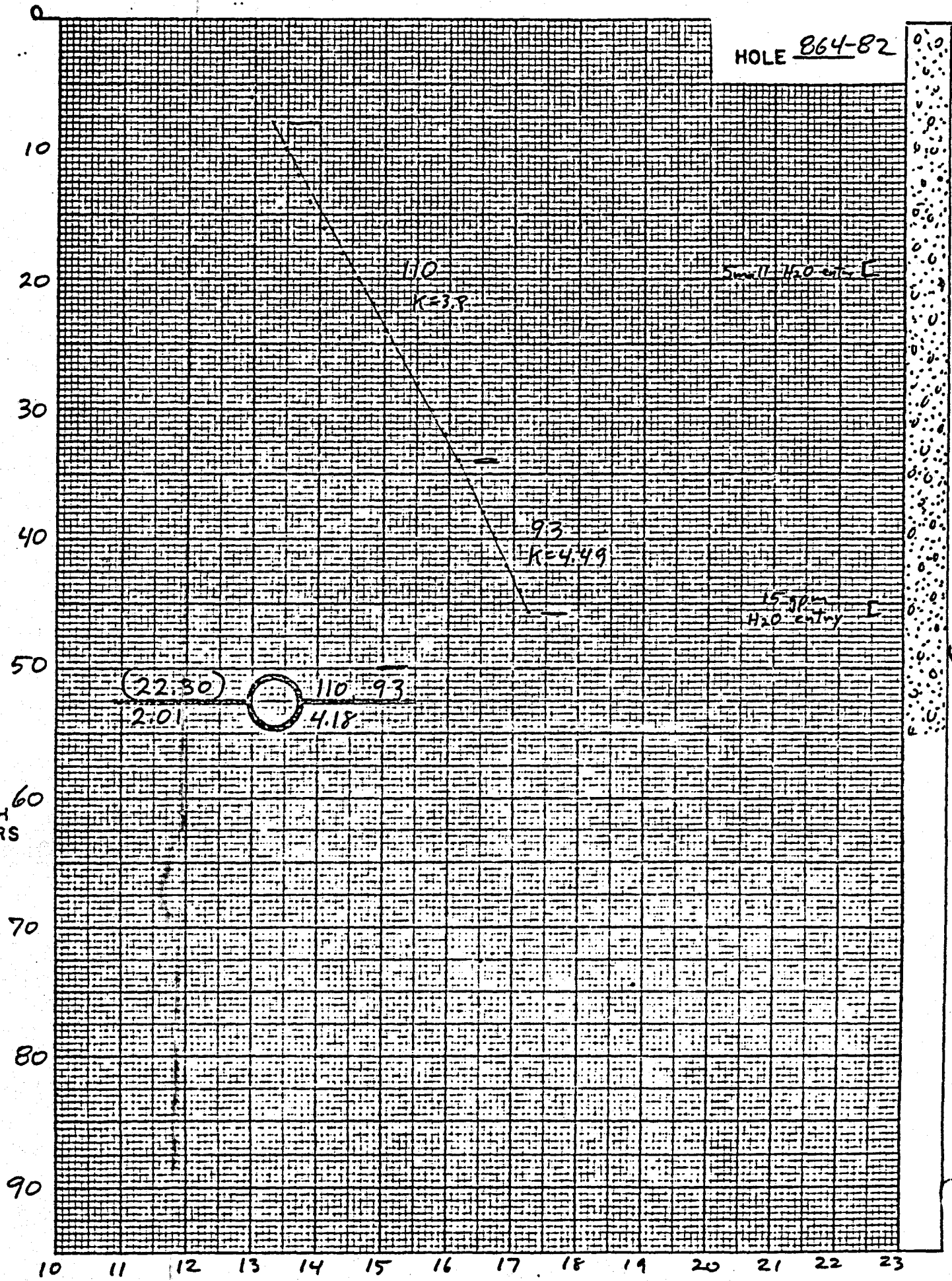
Gamma: N/A

(TD = 91.46 meters)

Depth (m)	Description
0- 3	Overburden
3-13	Altered gray-grayish white very fine-grained to fc ash-fall and x-tal ashflow tuffs. Most chips crumble easily with alteration of feldspars to white montmorillic clay. Iron staining present. Relic phenocrysts in x-tal ashflow tuffs often replaced with iron oxides. Mafic minerals (biotite) and hornblende (present as elongated phenocrysts) in altered ashflow tuffs.
13-16	Highly altered and iron-stained tuffs and tuffaceous sediments. Latter contains rounded gravels of ashflow tuffs as in 3-13m.
16-30	White beige tuffaceous sediments. Very fine-grained, banded with alternating white/beige laminae. High content of clay.
30-36	(As in 13-16m).
36-60	White-gray thinly bedded to laminated tuffaceous sediments.
60-70	More gray tuffaceous sediments as before with 40% hornblende (phenocrysts 0 →  in shape) rich altered tuffs (also gray in color).
70-91.46	White to gray banded and laminated tuffaceous sediments (rarely as thin beds) with 10-20% altered x-tal tuffs (gray). Very soft and light, crumbles easily. High clay content.

HOLE 864-82

DEPTH METERS



TEMPERATURE °C

Date Logged: 05/27/81

AT Well No. 864-82

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
0							Sand & gravel
2							
4							
6	135.25	12.97					
8	133.76	13.30	.33	165			
10	132.98	13.48	.18	90			
12	132.15	13.67	.19	95			
14	131.33	13.85	.18	90			
16	130.35	14.08	.23	115			
18	129.20	14.34	.26	130			
20	128.10	14.59	.25	125			Small H ₂ O entry
22	127.13	14.82	.23	115			
24	126.17	15.04	.22	110			
26	125.10	15.30	.26	130			
28	124.14	15.52	.22	110			
30	123.16	15.76	.24	120			
32	122.29	15.96	.20	100			
34	121.49	16.16	.20	100			
36	120.73	16.34	.18	90			
38	119.99	16.52	.18	90			
40	119.18	16.72	.20	100			
42	118.47	16.89	.17	85			
44	117.63	17.10	.21	105			
45.6	117.07	17.24					
46							15 gpm H ₂ O entry
48							
50							
52							✓

LITHOLOGIC LOG

Project: 864 (McCoy)

Hole: 864-82

Elevation: 5,220'

Date Drilled: March 26, 1981

Location: SW¹/₄ NW¹/₄, Sec 34, T22N, R39E

Method: air/foam injection

Geologist: Mark Avery

Gamma: N/A

Depth (m)

Description

0-52m

Lacustrine sands and alluvial gravels. Composition is 50% sands and 50% gravels and pebble-sized clasts of volcanic (tuffs and flow-rocks); triassic conglomerate; cherts and siltstones of Havallah formation (unconsolidated alluvial sediments). Water entries were encountered at 18m and 46m (15 gpm).

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

AT Well No. 864-88

Property-Project MIC COY - 864 Depth Logged _____
 Map EDWARDS CREEK VALLEY Scale 15' Date: Drilled 04/04/81 Logged 05/23/81
 State NEVADA County CHURCHILL of SE of SW of SE of Sec 25 T22N R 39E
 Instrument SPAFFORD 8 46 Operator MARY AVERY Elevation 5430 (ft/m)
 Comments 2nd & final OT log

Card A

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
864				08		23		05		01		CM							

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

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
1.8 KM N OF HORSESHOE WEL																														MAA					JED			04			04			81			

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

Card B

Scale Unit		Map Size		N Lat		W Long																							
IN		(7.5, 15, 60)		Degree		Degree																							
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		117.45																							

Use decimals

Map Location **

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
42.53			29.15			5430																							

Use decimals

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

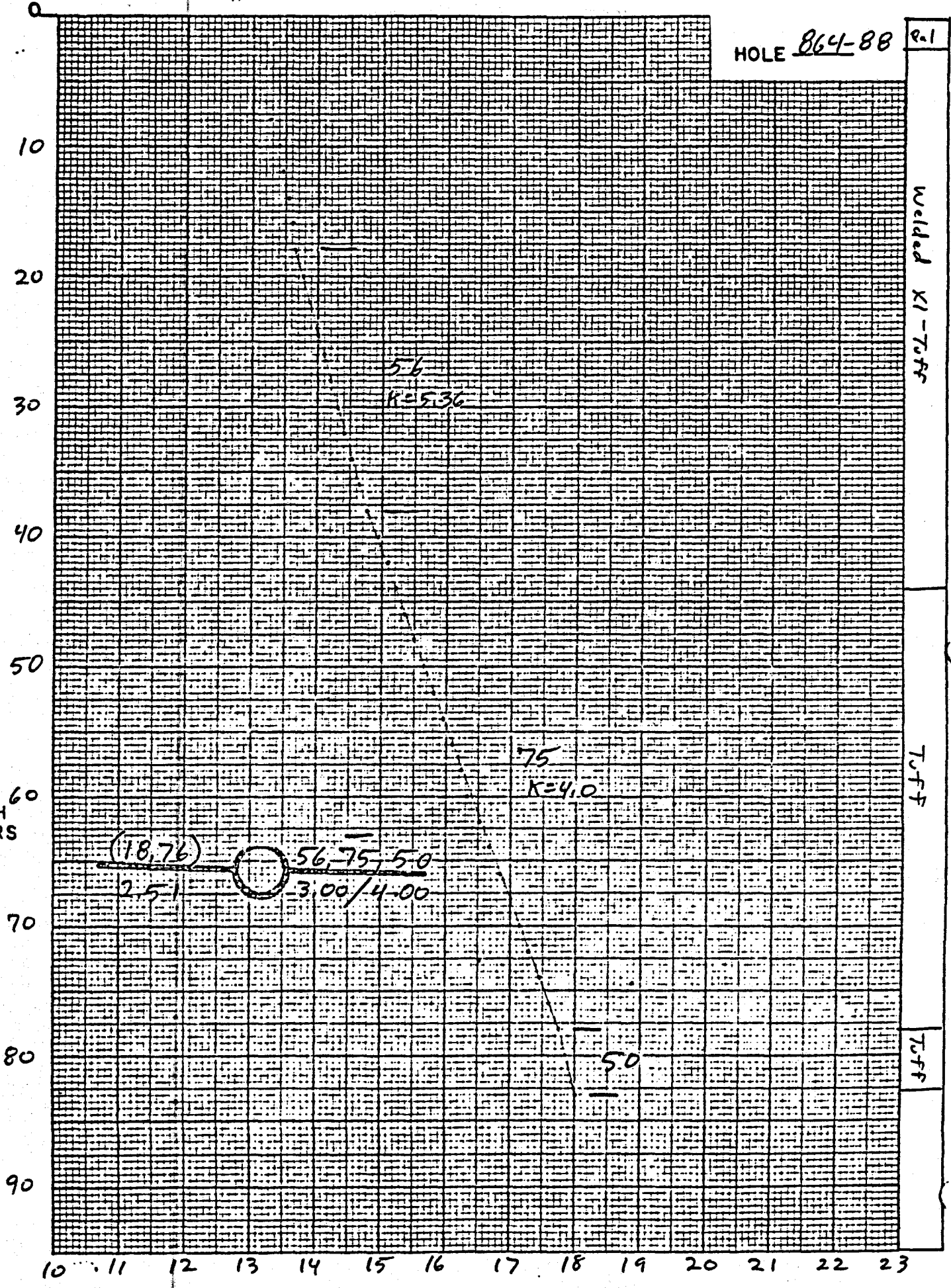
Write M if meters

Segment	Start	End	Conductivity K	ΔK	Best cond. (-K)
Segment 1	18.0	38.0			
Segment 2	38.0	78.0	38.0	-46.0	-1.5
Segment 3	78.0	83.0			
Segment 4	83.0	99.9	99.9		
Segment 5					
Segment 6					
Segment 7					
Segment 8					
Segment 9					
Segment 10					

After final segment

HOLE 864-88 2-1

DEPTH METERS



TEMPERATURE °C

Date Logged: 05/23/81

ΔT Well No. 864-88

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
0							
2							
4							
6							
8	133.90	13.27					
10	133.27	13.41	.14	70			
12	132.97	13.48	.07	35			
14	132.74	13.53	.05	25			
16	132.40	13.61	.08	40			
18	132.02	13.66	.07	35			
20	131.57	13.78	.18	60			
22	131.08	13.91	.13	65			
24	130.65	14.01	.10	50			
26	130.21	14.11	.10	50			
28	129.80	14.20	.09	45			
30	129.33	14.31	.11	55			
32	128.88	14.41	.10	50			
34	128.38	14.53	.12	60			
36	127.86	14.65	.12	60			
38	127.32	14.78	.13	65			
40	126.56	14.95	.17	85			
42	125.98	15.09	.14	70			
44	125.40	15.22	.13	65			
46	124.82	15.36	.14	70			
48	124.22	15.50	.14	70			
50	123.63	15.64	.14	70			
52	123.40	15.81	.17	85			

LITHOLOGIC LOG

Project: McCoy

Hole: 864-88

Elevation: 5435

Date Drilled: 4-4-81

Location: SWSE 25 T22N R39E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0- 2	Alluvium - lt. reddish-brown to tan, sandy silt with subangular gravels of intermediate volcanics and minor limestones and cherts.
2-44	Welded Crystal Tuff - primarily lt. red with lesser amounts of lt. gray, hard, 15-30% phenocrysts (2-5mm) of feldspars (mostly altered to clays), smaller clear to milky anhedral quartz (5%), and trace of biotite, and small magnetite. Minor limonitic staining and manganese coatings along small fractures. Some of the larger anhedral, white material altered to clays may be relic pumice fragments.
44-78	Tuff - lt. pink to lt. gray tuff altered to montmorillonite clays. Firm when dry, swells and crumbles when wet. 5-20% small crystals of quartz (3-5%) biotite, magnetite, and altered plagioclase. Up to 20% of sample consists of crystal tuffs from above, amount decreases with depth.
78-82	Tuff - lt. pink to lt. gray, firm to hard, 2-3% clear anhedral quartz phenocrysts, trace of magnetite up to 1mm, and biotite 1-2mm. Groundmass of fine granular tuffaceous material and altered feldspars. Limonitic staining common along small fractures and around some magnetite grains. Minor small (1-2mm) quartz filled veins.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-89

Property-Project MCLOY - 864 Depth Logged 96 meters
 Map EDWARDS CREEK Scale 15' Date: Drilled 04/04/81 Logged 05/23/81
 State NEV. County MURCHILL of NW of SW of SW of Sec 31 T 22N R 40E
 Instrument SPAFFORD # 46 Operator MARY ANERY Elevation 5400 (m)
 Comments 2nd & final log.

JUSTIFY
Card A

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	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		
864	8923	05	03	81

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

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 69 70 71 72 73 74 75 76 77 78 79 80			
1.2 KM E. OF HORSE SHOE WL	MAA / JED	04	04	81

(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 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	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
CM	15.0	39.30.0	117.45.0

Use decimals

Northring

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
40.20

Easting

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
30.25

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
5400

Write M if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K)	Downward extrapolations (-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	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 91 92 93 94 95 96 97 98 99 100	101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120	121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180
16.0	42.0				

Segment 2

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
42.0

Segment 3

62.0	96.0	-4.45	-2.5
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Segment 4

99.9

Segment 5

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Segment 6

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Segment 7

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Segment 8

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Segment 9

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Segment 10

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After final segment

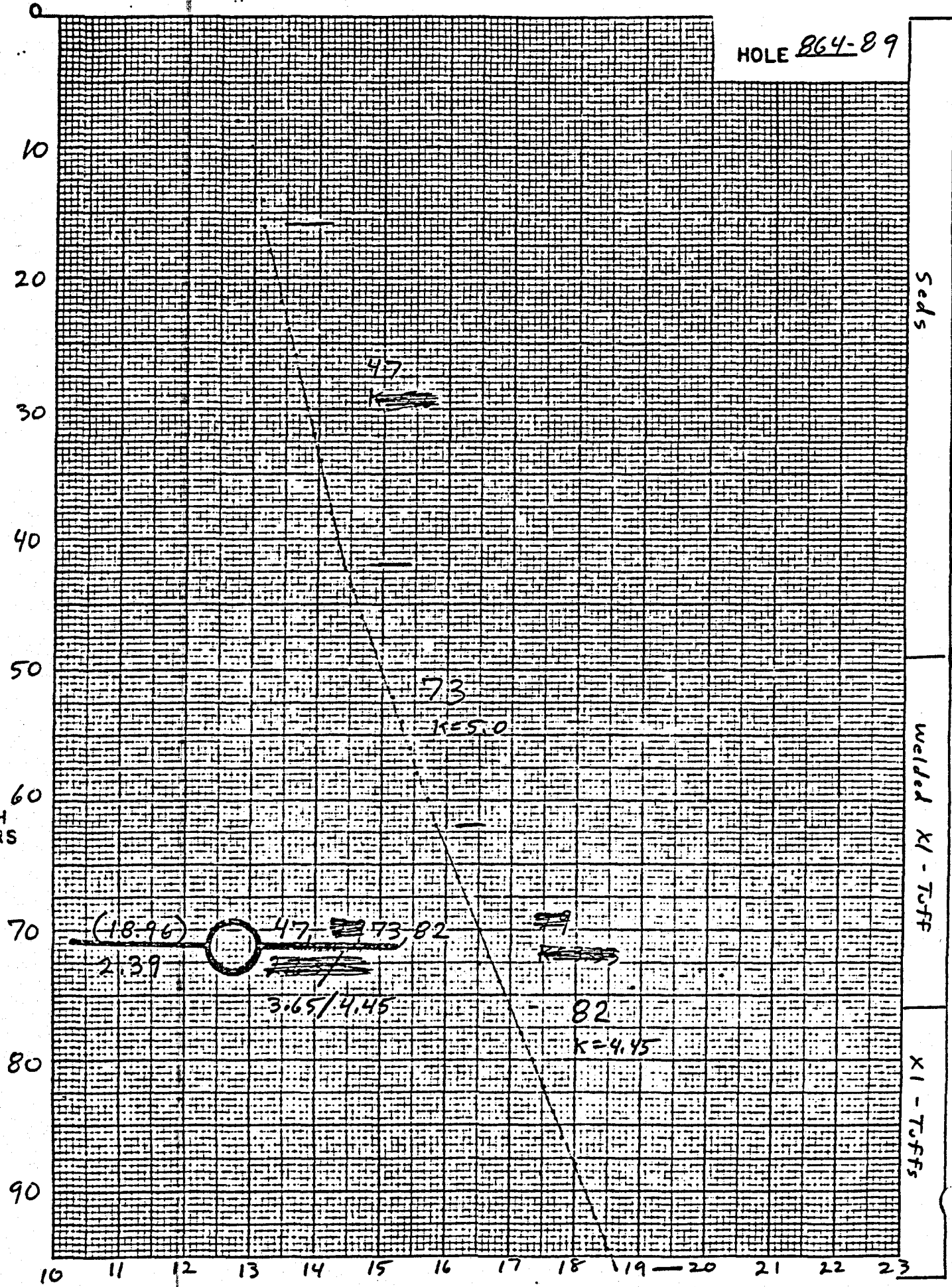
HOLE 864-89

DEPTH METERS

Seds

Welded XI-Tuff

XI-Tuffs



TEMPERATURE °C

Date Logged: 05/23/81

ΔT Well No. 864-89

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
0							
2							
4							
6							
8	136.18↑	12.76↓					
10	135.16↑	12.99	.23	115			
12	134.74	13.08	.09	45			
14	134.58	13.12	.04	20			
16	134.35	13.17	.05	25			
18	134.04	13.24	.07	35			
20	133.68	13.32	.08	40			
22	133.29	13.41	.09	45			
24	132.72	13.54	.13	65			
26	132.19	13.66	.12	60			
28	131.76	13.75	.09	45			
30	131.37	13.84	.09	45			
32	130.97	13.93	.09	45			
34	130.52	14.04	.11	55			
36	130.16	14.12	.08	40			
38	129.83	14.20	.08	40			
40	129.47	14.28	.08	40			
42	128.95	14.40	.12	60			
44	128.32	14.54	.14	70			
46	127.69	14.69	.15	75			
48	127.00	14.85	.16	80			
50	126.30	15.01	.16	80			
52	125.60	15.18	.17	85			

Date Logged: 05/23/81

AT Well No. 864-89

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
54	124.98	15.32	.13	65		H ₂ O	
56	124.45	15.45	.13	65			
58	123.88	15.58	.13	65			
60	123.33	15.71	.15	75			
62	122.74	15.86	.16	80			
64	122.06	16.02	.17	85			
66	121.33	16.19	.18	90			
68	120.61	16.37	.17	85			
70	119.91	16.54	.13	65			
72	119.26	16.67	.18	90			
74	118.65	16.85	.15	75			
76	118.03	17.00	.17	85			
78	117.33	17.17	.17	85			
80	116.63	17.34	.19	95			
82	115.90	17.53	.16	80			
84	115.24	17.69	.17	85			
86	114.55	17.80	.17	85			
88	113.88	18.03	.18	80			
90	113.26	18.19	.17	85			
92	112.61	18.36	.14	60			
94	112.05	18.50	.14	60			
96	111.51	18.64					

LITHOLOGIC LOG

Project: McCoyHole: 864-89Elevation: 5400Date Drilled: 4-4-81Location: SWSW 31 T22N R40EMethod: rotary airGeologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-49	Alluvium - tan, sandy silt with small angular to subangular gravels of volcanics and minor cherts and limestones. Too damp to drill dry at 9m. Predominantly gravels up to 10cm in upper 8m.
49-76	Welded Crystal Tuff - pink, hard, brittle, fine tuffaceous to aphanitic groundmass with 10-20% phenocrysts of biotite (1-3mm), clear anhedral quartz (1-3mm), feldspars (mostly altered) and trace of magnetite and hornblende. Considerable oxidation of magnetite and some biotite, and red iron staining along small fractures. Appears to be pervasively fractured. 20-30% of sample consists of uphole sluff.
76-84	Crystal Tuff - as above, except poorly, or non-welded, predominantly lt. gray to lt. pink.
84-95	Crystal Tuff - non-welded, soft tuffaceous matrix washes out of cuttings leaving anhedral clear quartz, biotite, feldspars and lithic fragments.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-90

Property-Project MCCOY - 864

Depth Logged 133 m

Map EDWARDS CK. VALLEY Scale 15' Date: Drilled 03/27/81 Logged 05/23/81

State NEV. County CHURCHILL, of center of NW of NW of Sec 32 T 22N R 40E

Instrument STAFFORD # 46 Operator MARY AVEY Elevation 5720 (m)

Comments 2nd (and final) AT log.

JUSTIFY Card A

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
8	6	4								9	0	2	3	0	5	3	1	C	M

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

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	69	70																				
																																																		M	A	A	/	J	E	D	2	7	0	3	0	3	1						

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

Card B

Scale Unit Map Location * *
IN CM Map Size (75, 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	
C	M									1	5	.	0	3	9	.	3	0	.	0	1	1	7	.	4	5	.	0		

Use decimals

Map Location * *
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	1	.	7	8						3	2	.	8	2	5	7	2	0	.										

Use decimals

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

Write M if meters

Segment 1 = Depths
Start End Conductivity K ΔK Best cond. (-K) Downward extrapolations (-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										
										1	8	.	0							3	8	.	0																

Segment 2 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
										3	8	.	0							4	4	.	0						

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
										4	4	.	0							6	6	.	0						

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													
										9	9	.	9							6	6	.	0							1	3	2	.	0	-	7	.	4	1	-	.	5

Segment 5 Start →

Segment 6 Start →

Segment 7 Start →

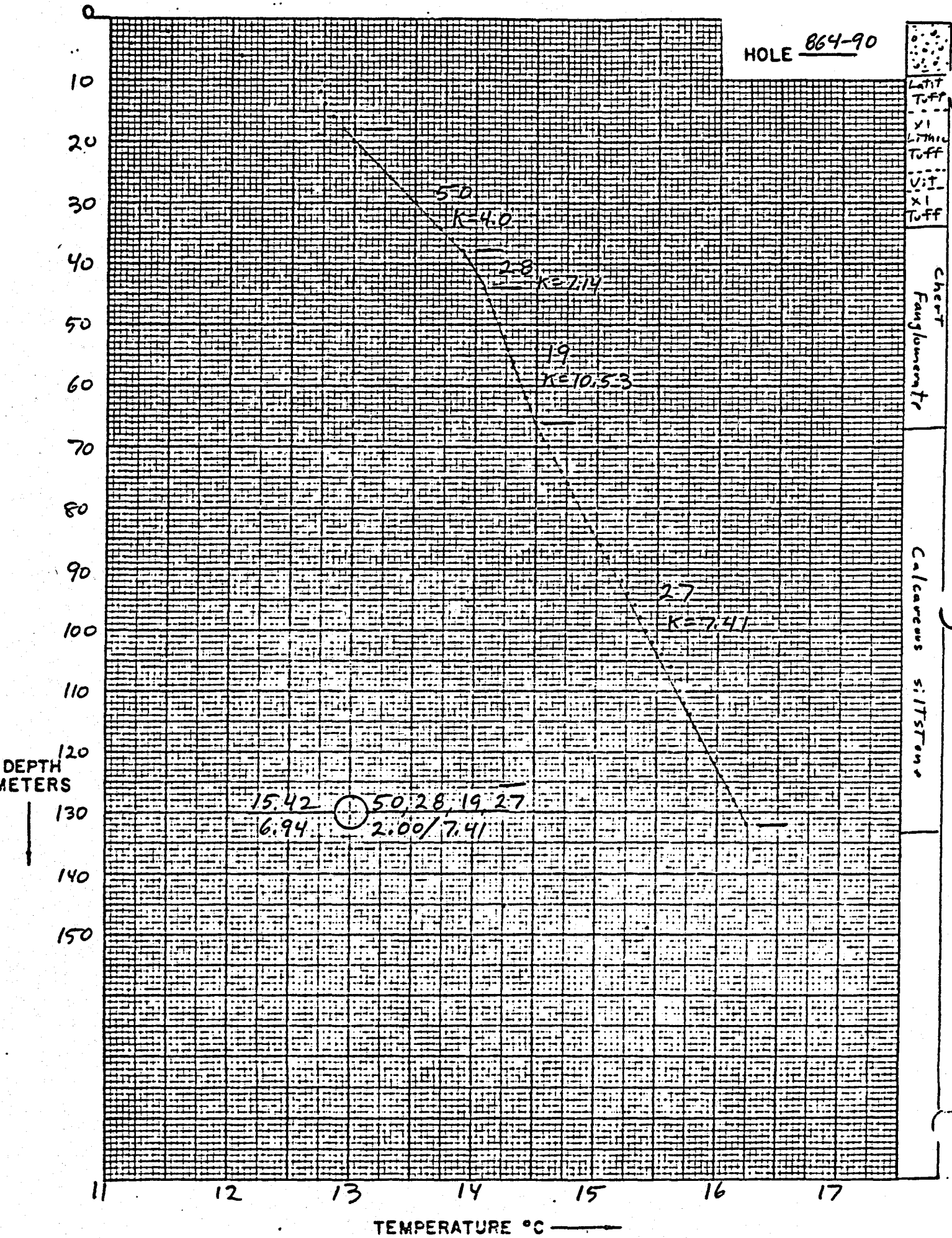
Segment 8 Start →

Segment 9 Start →

Segment 10 Start →

After final segment

HOLE 864-90



Date Logged: 05-23-81AT Well No. 964-90

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
0	133.457 _f	13.37					Qa1
2	142.061 _s	11.47					↓
4	143.45	11.17					↓
6	139.291 _s	12.08	0.91	455			↓
8	136.93	12.60	0.52	260			Latite TUFF
10	136.43	12.71	0.11	55			↓
12	136.37	12.72	0.08	5			↓
14	136.20	12.76	0.04	20			↓
16	135.89	12.83	0.07	35			XI-Lithic TUFF
18	135.53	12.91	0.09	45			↓
20	135.12	13.00	0.09	45			↓
22	134.71	13.09	0.09	45			↓
24	134.28	13.19	0.10	50			↓
26	133.81	13.29	0.10	50			Vitrophyre
28	133.33	13.40	0.11	55			↓
30	132.85	13.51	0.11	55			XI-TUFF
32	132.40	13.61	0.10	50			↓
34	131.96	13.71	0.10	50			↓
36	131.53	13.81	0.10	50			Chert (Fonglomerate)
38	131.12	13.90	0.09	45			↓
40	130.80	13.97	0.07	35			↓
42	130.59	14.02	0.05	25			↓
44	130.38	14.07	0.05	25			↓
46	130.19	14.11	0.04	20			↓
48	130.01	14.15	0.04	20			↓
50	129.83	14.20	0.05	25			↓
52	129.66	14.24	0.04				

Date Logged: 05/23/81

ΔT Well No. 864-90

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
54	129.50	14.27	0.03	15			
			0.04	20			
56	129.33	14.31					
			0.03	15			
58	129.18	14.34					
			0.04	20			
60	129.03	14.38					
			0.04	20			
62	128.86	14.42					
			0.03	15			
64	128.72	14.45					
			0.04	20			
66	128.56	14.49					
			0.05	25		Calcareous Siltstone	
68	128.35	14.54					
			0.06	30			
70	128.06	14.60					
			0.05	25			
72	127.86	14.65					
			0.05	25			
74	127.63	14.70					
			0.06	30			
76	127.40	14.76					
			0.05	25			
78	127.17	14.81					
			0.05	25			
80	126.94	14.86					
			0.05	25			
82	126.72	14.91					
			0.06	30			
84	126.46	14.97					
			0.06	30			
86	126.23	15.03					
			0.06	30			
88	125.98	15.09					
			0.06	30			
90	125.72	15.15					
			0.06	30			
92	125.48	15.21					
			0.05	25			
94	125.24	15.26					
			0.06	30			
96	125.00	15.32					
			0.05	25			
98	124.80	15.37					
			0.05	25			
100	124.58	15.42					
			0.05	25			
102	124.35	15.47					
			0.07	35			
104	124.05	15.54					
			0.08	40			
106	123.71	15.62				↓	

=Conductivity

Date Logged: 05/23/81

AT Well No. 864-90

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
108	123.70 123.44	15.69	0.07	35			Calcareous siltstone
110	123.42	15.69	0.00	0			
112	123.28	15.73	0.04	20			
114	123.09	15.77	0.04	20			
116	122.87	15.82	0.05	25			
118	122.70	15.86	0.04	20			
120	122.45	15.92	0.06	30			
122	122.22	15.98	0.06	30			
124	122.00	16.03	0.05	25			
126	121.81	16.08	0.05	25			
128	121.58	16.13	0.06	30			
130	121.36	16.19	0.05	25			
132	121.15	16.24	?				
134	121.10	16.25					
136							
138							
140							
142							
144							
146							
148							
150							
152							
154							
156							
156							
160							

133 ~

LITHOLOGIC LOG

Project: McCoy

Hole: 864-90

Elevation: 5720

Date Drilled: 3-27-81

Location: NWNW 32 T22N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0- 9	Alluvium - med-brown, sandy silt with subrounded to subangular gravels of latitic volcanics, siltstones, and limestones.
9- 15	Latite Tuff - red to lt.-gray, argillized and less commonly silicified. 5-10% phenocrysts of clear tabular sanidine, squarish clear to milky k-spar, and minor biotite and quartz in tuffaceous matrix. Trace of small lithic fragments of volcanic rock and black siltstone. Some samples contain sufficient quartz to be classified as rhyolite.
15- 25	Crystal-Lithic Tuff - white, firm to hard, 5-15% xls of clear anhedral quartz (much of quartz has pale pink hue) 2-5mm, fresh appearing black to green chloritized biotite, 0.5-2.0mm, and small rounded to subangular dk. gray to lt. gray lith fragments of volcanics and black siltstones, in mottled white to pale greenish aphanitic groundmass. Minor small clear quartz filled fractures. White mottled appearance due to pseudomorphs of feldspars and/or altered pumice fragments.
25- 28	Virtrophyre - black, glassy, with 50-75% large phenocrysts (2-5mm) of clear anhedral quartz, black euhedral biotite and clear to white fresh to altered feldspars in black glassy groundmass. Possibly base of above unit.
28- 34	Xl-Tuff - lt.-med-gray, soft argillized tuffs. 5-10% xls of quartz and altered biotite and feldspars. 2-5% small aphanitic lithic fragments.
34- 67	Chert (Fanglomerate?) - buff to lt. greenish-gray and pale red, finely granular chert. Color varies considerably in each sample. Some rounded weathered surfaces observed. May be fairly well indurated fanglomerate (penetration 80-100 ft/hr with mill tooth bit and air). Cherts are commonly fractured and iron-stained, minor thin manganese deposits along fractures.
67-137	Calcareous Siltstone - black, effervescence vigorously in HCl. Minor small veins (1-3mm) of clear to white calcite. Trace of small (0.1-0.5mm) disseminated pyrite. Firm to hard, drills easily with mill tooth bit (60-80 ft/hr) and commonly breaks along poorly defined laminations.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-92

Property-Project MC COY. - 864 Depth Logged 83.3 meters
 Map MT. AIRY NW Scale 7.5' Date: Drilled 4/6/81 Logged 05/28/81
 State NEV. County LANDER of of SE of SE of Sec 3 T21N R 40E
 Instrument SPAFFORD # 46 Operator MRL AVERY Elevation 6080 (ft/m)
 Comments SECOND LOGGING OF THIS AT HOLE.

JUSTIFY
Card A

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	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	864	92	05	81

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

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	4.9	KM	W-NW	OF	PETERSON

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

Card B

Map Location **

Scale Unit	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	CM	7.5	39.37	117.30	00

Use decimals

Northring	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	39.49	14.58

Use decimals

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

Write M if meters

Segment 1	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	46.0		

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	46.0	83.0	-5.0	-.5

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

Segment 10

After final segment

HOLE 864-92

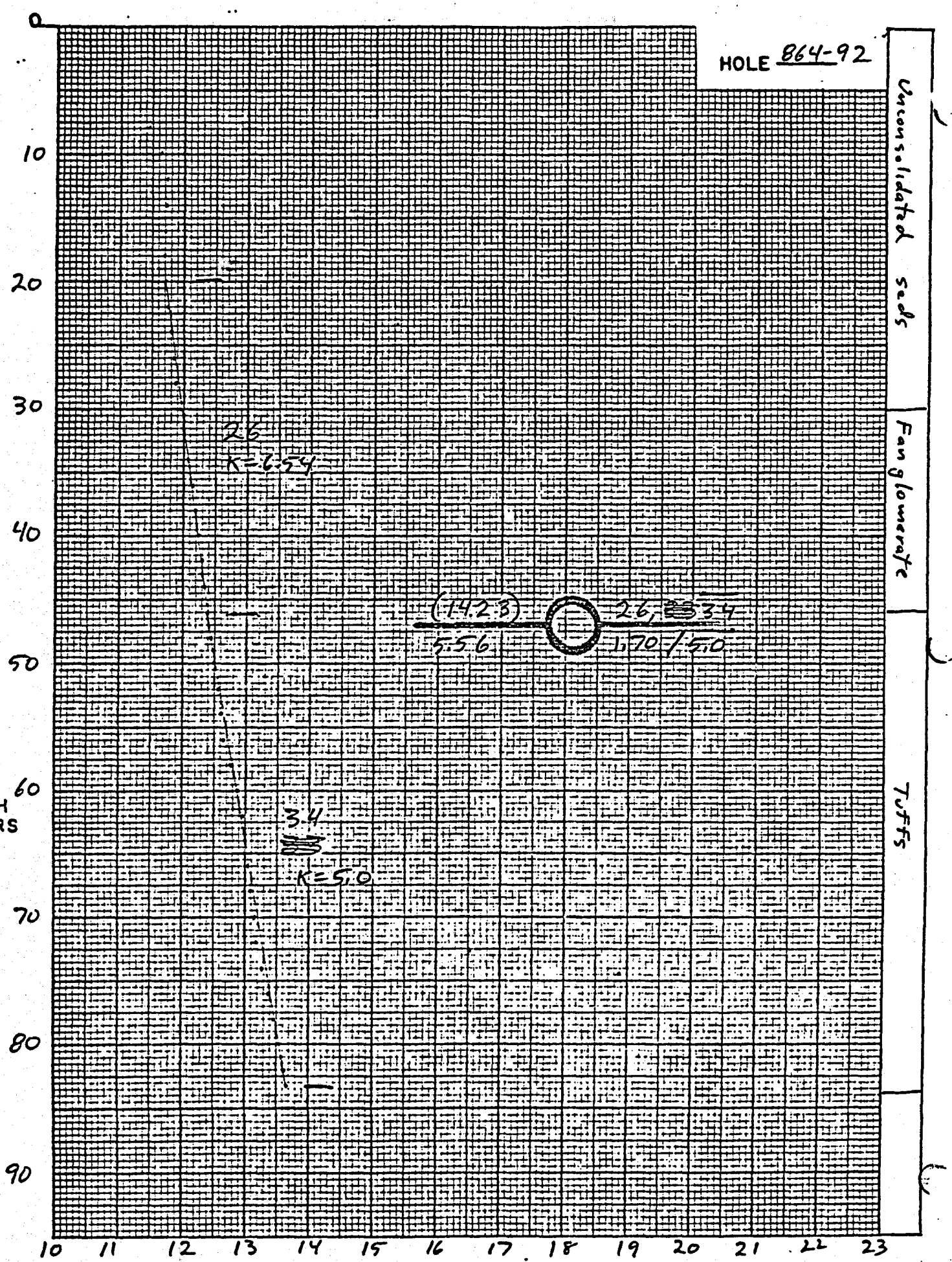
Unconsolidated sands

Fan glomerate

Tuffs

DEPTH METERS

TEMPERATURE °C



Date Logged: 05/28/81

AT Well No. 864-92

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	^{H₂O} Air	Lithology, etc.
0							
2							
4							
6							
8	142.11	11.46					
10	141.16	11.67	.21	105			
12	140.88	11.73	.06	30			
14	140.94	11.72	-.01	-5			
16	140.97	11.71	-.01	-5			
18	141.00	11.70	-.01	-5			
20	140.92	11.72	.02	10			
22	140.73	11.76	.04	20			
24	140.57	11.80	.04	20			
26	140.39	11.84	.04	20			
28	140.19	11.88	.04	20			
30	139.86	11.95	.07	35			
32	139.53	12.02	.07	35			
34	139.29	12.08	.06	30			
36	139.00	12.14	.06	30			
38	138.79	12.19	.06	30			
40	138.49	12.25	.06	30			
42	138.28	12.30	.05	25			
44	138.07	12.34	.04	20			
46	137.81	12.40	.06	30			
48	137.60	12.45	.05	25			
50	137.40	12.49	.04	20			
52	137.15	12.55	.06	30			

LITHOLOGIC LOG

Project: McCoy

Hole: 864-92

Elevation: 6080

Date Drilled: 4-6-81

Location: SESE 3 T21N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-30	Alluvium - tan, sandy-silt with angular to subangular gravels of chert, volcanics and limestone.
30-46	Fanglomerate - tan to red cherts with considerable variation within each sample, much iron-staining along fractures. 5-20% fine siliceous sandstones. 10-50% of sample volcanics and cherts, probably from upper 30m of hole. Increasing amounts of tuffs below 40m.
46-82	Tuff - reddish-brown, firm to hard, matrix material argillic alteration to montmorillonite clays. 20-25% small (0.5-1.0mm) xls of white to clear tabular plagioclase altered to clays, and an undetermined amount of small quartz grains. Trace of large biotite phenocrysts and small magnetite. Manganese deposition on some small tight fractures. Tuff increasing in sample from below 46m to 61m where it comprises about 80% of sample.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-93

Property-Project MCCOY - 864 Depth Logged 80 meters
 Map MOUNT AIRY NW Scale 7.5 Date: Drilled 4-7-81 Logged 05/28/81
 State NEV. County LANDER of SW of NW of Sec 35 T23 N R 40 E
 Instrument SPAFFORD # 46 Operator MARY AVERY Elevation 6030 (ft)
 Comments SECOND LOGGING OF THIS AT HOLE.

JUSTIFY
Card A

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	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			
864	9328	05	28	81

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

Site Description	Operator	Editor	DA	MO	YR
7.2 KM W OF PETERSON MINE	MAA	JED	07	04	81

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

Card B

Scale Unit IN CM Map Size (75, 15, 60) 7.5

Map Location **

N Lat	W Long
Degree Min Degree Min **	Degree Min
39.37.5	117.30.0

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

Use decimals

Northing	Easting	Elev
49.25	16.60	6030

Use decimals

Write M if meters

Segment 1 = Depths Start	Conductivity	Best cond. (-K)
End	K	ΔK
16.0	26.0	
Segment 2	Start	End
26.0	42.0	
Segment 3	Start	End
42.0	70.0	
Segment 4	Start	End
70.0	80.0	-4.5
Segment 5	Start	End
999		
Segment 6	Start	End
Segment 7	Start	End
Segment 8	Start	End
Segment 9	Start	End
Segment 10	Start	End

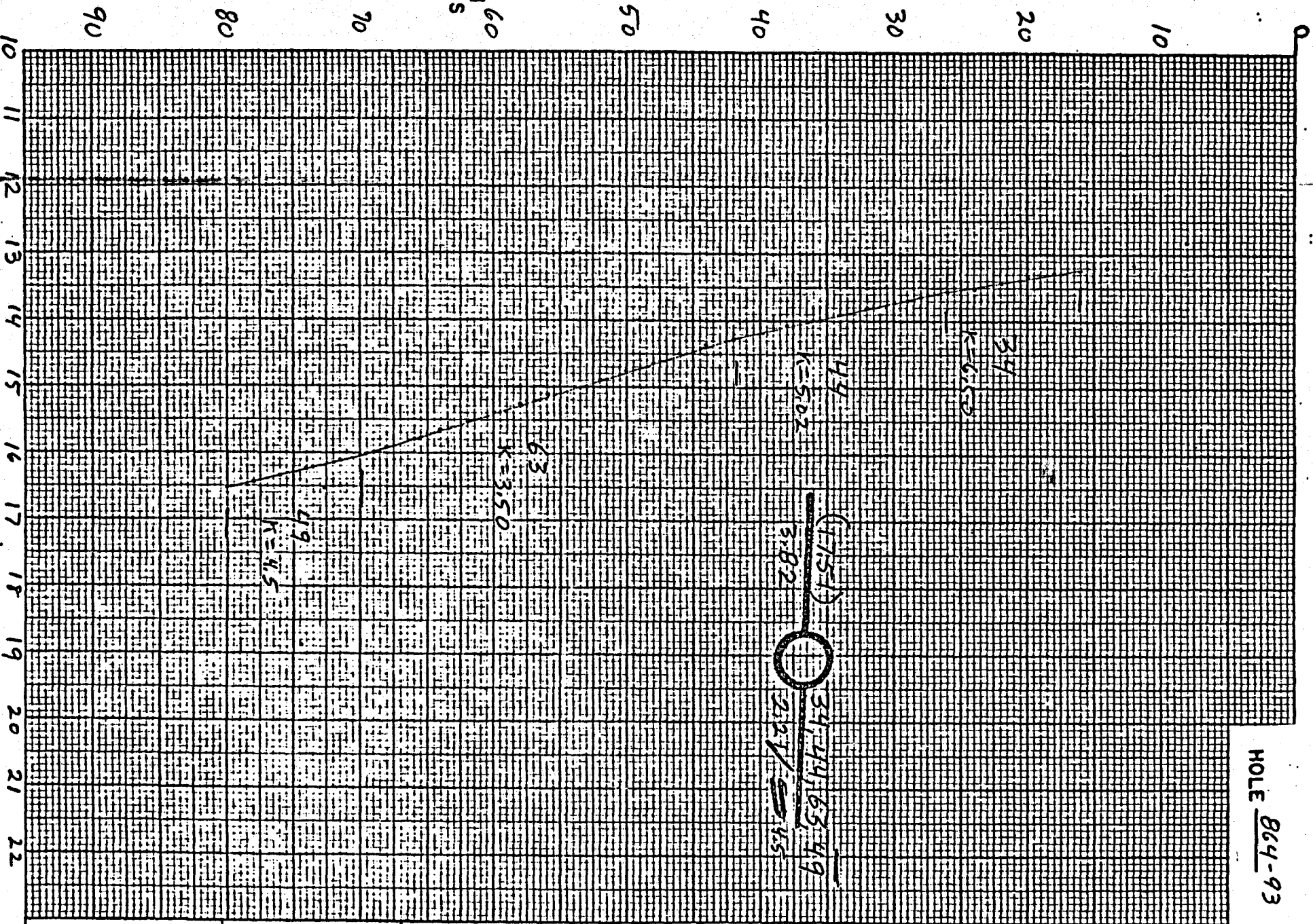
After final segment

HOLE 864-93

Seds

Sediments/or XI Tuffs.

Tuff



Date Logged: 05/28/81

AT Well No. 864-93

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	(H ₂ O) Air	Lithology, etc.
0							
2							
4							
6							
8	136.02	12.80					
10	134.82	13.06	0.26	130			
12	134.35	13.17	.11	55			
14	134.19	13.21	.04	20			
16	134.04	13.24	.03	15			
18	133.87	13.28	.04	20			
20	133.56	13.35	.07	35			
22	133.19	13.43	.08	40			
24	132.84	13.51	.08	40			
26	132.51	13.58	.07	35			
28	132.19	13.66	.08	40			
30	131.84	13.74	.08	40			
32	131.52	13.81	.07	35			
34	131.11	13.90	.09	45			
36	130.73	13.99	.09	45			
38	130.35	14.08	.09	45			
40	129.85	14.19	.11	55			
42	129.42	14.29	.10	50			
44	129.04	14.38	.09	45			
46	128.49	14.50	.12	60			
48	127.86	14.65	.15	75			
50	127.28	14.78	.13	65			
52	126.80	14.90	.12	60			

Date Logged: 05/28/81

AT Well No. 864-93

Depth meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K		Lithology, etc.
					(Est.)	H ₂ O Air	
54	126.32	14.90 15.01	.11	55			
56	125.83	15.12	.11	55			
58	125.20	15.27	.15	75			
60	124.66	15.40	.13	65			
62	124.11	15.53	.13	65			
64	123.57	15.66	.13	65			
66	123.02	15.79	.13	65			
68	122.47	15.92	.13	65			
70	121.99	16.04	.12	60			
72	121.48	16.16	.12	60			
74	121.07	16.26	.10	50			
76	120.66	16.36	.10	50			
78	120.27	16.45	.09	45			
80	119.93	16.53	.08	40			
82	80 m.						
84							
86							
88							
90							

K=Conductivity

LITHOLOGIC LOG

Project: McCoy

Hole: 864-93

Elevation: 6030

Date Drilled: 4-7-81

Location: SWNW 35 T23N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-28	Alluvium - tan, silt with angular gravels of sandstone, chert and volcanics. Increasing chert and sandstone with depth, possibly fanglomerate.
28-67	Alluvium/Crystal Tuffs - red to yellow-brown crystal tuffs in increasing amounts mixed with alluvium as above.
67-75	Crystal Tuff - med. gray to red to yellow-brown and firm as above. Altered groundmass of tuffaceous material and 10-15% crystals of altered feldspars and minor quartz, mostly less than 1mm. Minor large biotite, common manganese deposition along fractures, rare small magnetite.
75-80	Tuff - lt. gray, firm, brittle, granular mass of tuffaceous material and small (<0.5mm) crystals of quartz and altered feldspars with rare small biotite and magnetite. Manganese common along small fractures.

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

AT Well No. 864-94

Property-Project MC 04 - 864 Depth Logged 83.7
 Map MT. AIRY NW Scale 7.5' Date: Drilled 4-7-81 Logged 05/28/81
 State NEV. County LANDER of of NW of NE of Sec 26 T22 N R 40 E
 Instrument STAFFORD # 46 Operator MARK AVERY Elevation 5830 (ft)
 Comments SECOND LOGGING OF THIS ST HOLE.

JUSTIFY Card A

Proj No	Well No	DA	MO	YR
1-20	1-20	1-2	3-4	5-6
864		94	28	81

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

Site Description																														Operator					Editor			DA	MO	YR																																																									
21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-110	111-120	121-130	131-140	141-150	151-160	161-170	171-180	181-190	191-200	201-210	211-220	221-230	231-240	241-250	251-260	261-270	271-280	281-290	291-300	301-310	311-320	321-330	331-340	341-350	351-360	361-370	371-380	381-390	391-400	401-410	411-420	421-430	431-440	441-450	451-460	461-470	471-480	481-490	491-500	501-510	511-520	521-530	531-540	541-550	551-560	561-570	571-580	581-590	591-600	601-610	611-620	621-630	631-640	641-650	651-660	661-670	671-680	681-690	691-700	701-710	711-720	721-730	731-740	741-750	751-760	761-770	771-780	781-790	791-800	801-810	811-820	821-830	831-840	841-850	851-860	861-870	871-880	881-890	891-900	901-910	911-920	921-930	931-940	941-950	951-960	961-970	971-980	981-990	991-1000
9.2 KM N OF PETERSON MINE																														MAA					JED			07	04	81																																																									

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

Card B

Scale Unit	Map Size	N Lat		W Long	
IN	(7.5, 15, 60)	Degree	Min	Degree	Min
21-25	26-30	31-35	36-40	41-45	46-50
CM	7.5	39.3	37.5	117.0	30.0

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

Northing															Easting															Elev																																	
51-65	66-80	81-95	96-110	111-125	126-140	141-155	156-170	171-185	186-200	201-215	216-230	231-245	246-260	261-275	276-290	291-305	306-320	321-335	336-350	351-365	366-380	381-395	396-410	411-425	426-440	441-455	456-470	471-485	486-500	501-515	516-530	531-545	546-560	561-575	576-590	591-605	606-620	621-635	636-650	651-665	666-680	681-695	696-710	711-725	726-740	741-755	756-770	771-785	786-800	801-815	816-830	831-845	846-860	861-875	876-890	891-905	906-920	921-935	936-950	951-965	966-980	981-995	996-1010
57.50															20.05															830.0																																	

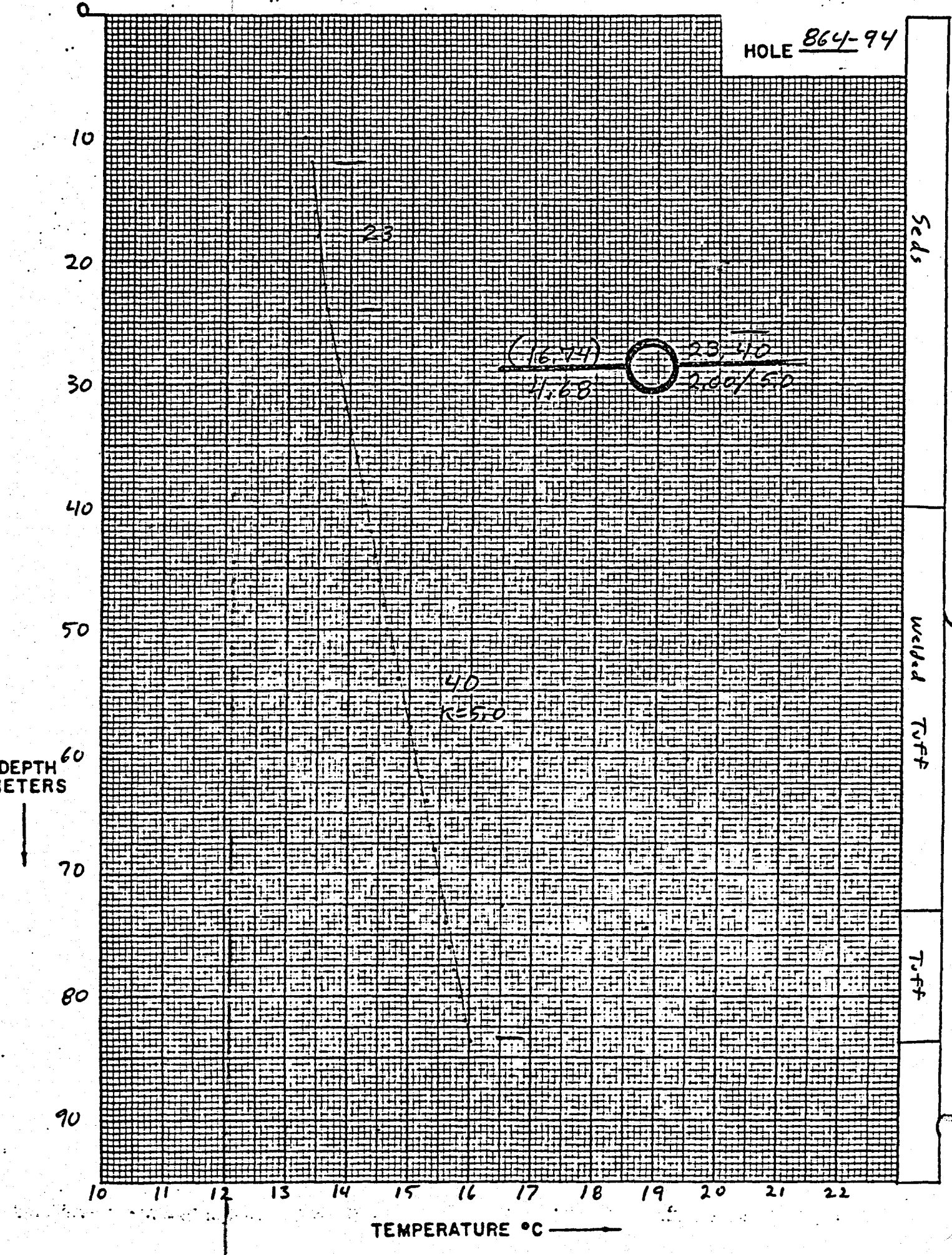
Use decimals

Write M if meters

Segment #	Start	End	Conductivity K	ΔK	Best cond. (-K)	Downward extrapolations (-ΔK)
Segment 1	21-25	26-30	12.0	24.0		
Segment 2	31-35	36-40	24.0	84.0	-5.0	-1.5
Segment 3	41-45	46-50				
Segment 4	51-55	56-60				
Segment 5	61-65	66-70				
Segment 6	71-75	76-80				
Segment 7	81-85	86-90				
Segment 8	91-95	96-100				
Segment 9	101-105	106-110				
Segment 10	111-115	116-120				

After final segment

HOLE 864-94



Sds

Welded Tuff

Tuff

DEPTH METERS

TEMPERATURE °C

10

20

30

40

50

60

70

80

90

10

11

12

13

14

15

16

17

18

19

20

21

22

40
RESO

(16.74) 23.40
41.68 2.00/50

23

Date Logged: 05/28/81AT Well No. 864-94

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
0							
2							
4							
6							
8	135.33	12.95	.31	155			
10	133.95	13.26	.10	50			
12	133.51	13.36	.02	10			
14	133.40	13.38	.04	20			
16	133.23	13.42	.04	20			
18	133.05	13.46	.06	30			
20	132.80	13.52	.05	25			
22	132.56	13.57	.06	30			
24	132.29	13.63	.07	35			
26	131.98	13.70	.10	50			
28	131.57	13.80	.06	30			
30	131.28	13.86	.07	35			
32	130.97	13.93	.09	45			
34	130.60	14.02	.09	45			
36	130.22	14.11	.08	40			
38	129.87	14.19	.107	35			
40	129.54	14.26	.108	40			
42	129.18	14.34	.108	40			
44	128.87	14.42	.07	35			
46	128.57	14.49	.07	35			
48	128.24	14.56	.06	30			
50	127.93	14.63	.10	50			
52	127.52	14.73					

Date Logged: 05/28/81

AT Well No. 864-94

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K		Lithology, etc.
					(Est.)	H ₂ O Atr	
54	127.11	14.82	.10	50			
56	126.70	14.92	.11	55			
58	126.24	15.03	.08	40			
60	125.84	15.12	.09	45			
62	125.45	15.21	.08	40			
64	125.13	15.29	.07	35			
66	124.81	15.36	.07	35			
68	124.53	15.43	.06	30			
70	124.27	15.49	.06	30			
72	124.01	15.55	.07	35			
74	123.74	15.62	.06	30			
76	123.46	15.68	.08	40			
78	123.15	15.76	.08	40			
80	122.81	15.84	.10	50			
82	122.40	15.94	.08	~~~~~			
84	122.06	16.02					
86							
88							
90							
92							
94							
96							
98							
100							

LITHOLOGIC LOG

Project: McCoy

Hole: 864-94

Elevation: 5830

Date Drilled: 4-7-81

Location: NWNE 26 T22N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)

Description

0-40

Alluvium - tan, sandy silt with angular gravels of chert with lessor amounts of limestones, quartzites, volcanics and fine argillaceous sandstones.

40-73

Qtz Latite Welded Tuff - hard, lt. gray to lt. pink, aphanitic tuffaceous matrix with 15-25% phenocrysts of altered feldspars, quartz, minor magnetite and rare biotite. Common manganese staining along small tight fractures. Color becoming more pink with depth.

73-82

Tuff - firm, pink similar to above except 5-10% phenocrysts.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-95

Property-Project MCCOY-864 Depth Logged 77.1 meters
 Map GILBERT CREEK SW Scale 7.5' Date: Drilled 4-7-81 Logged 05/28/81
 State NEV. County LANDER, of of NE of NE of Sec 14 T22N R40E
 Instrument SPAFFORD #46 Operator MARK PERRY Elevation 5500 (ft/m)
 Comments SECOND & FINAL LOGGING OF THIS AT HOLE.

JUSTIFY
Card A

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				
864	9528	05	08	81

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

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				
4.3 KM E-SE OF WELC 25-9	MAA	JED	07	04

(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			
CM	7.5	39.45.0	117.30.0

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		
13.60	21.70	5500

Use decimals

Write M if meters

Segment 1 = Depths	Conductivity	Best cond. (-K)
Start	End	Downward extrapolations (-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		
24.0	50.0	

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			
50.0	76.0	-4.09	-1.5

Segment 3

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			
999			

Segment 4

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			

Segment 5

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			

Segment 6

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			

Segment 7

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			

Segment 8

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			

Segment 9

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			

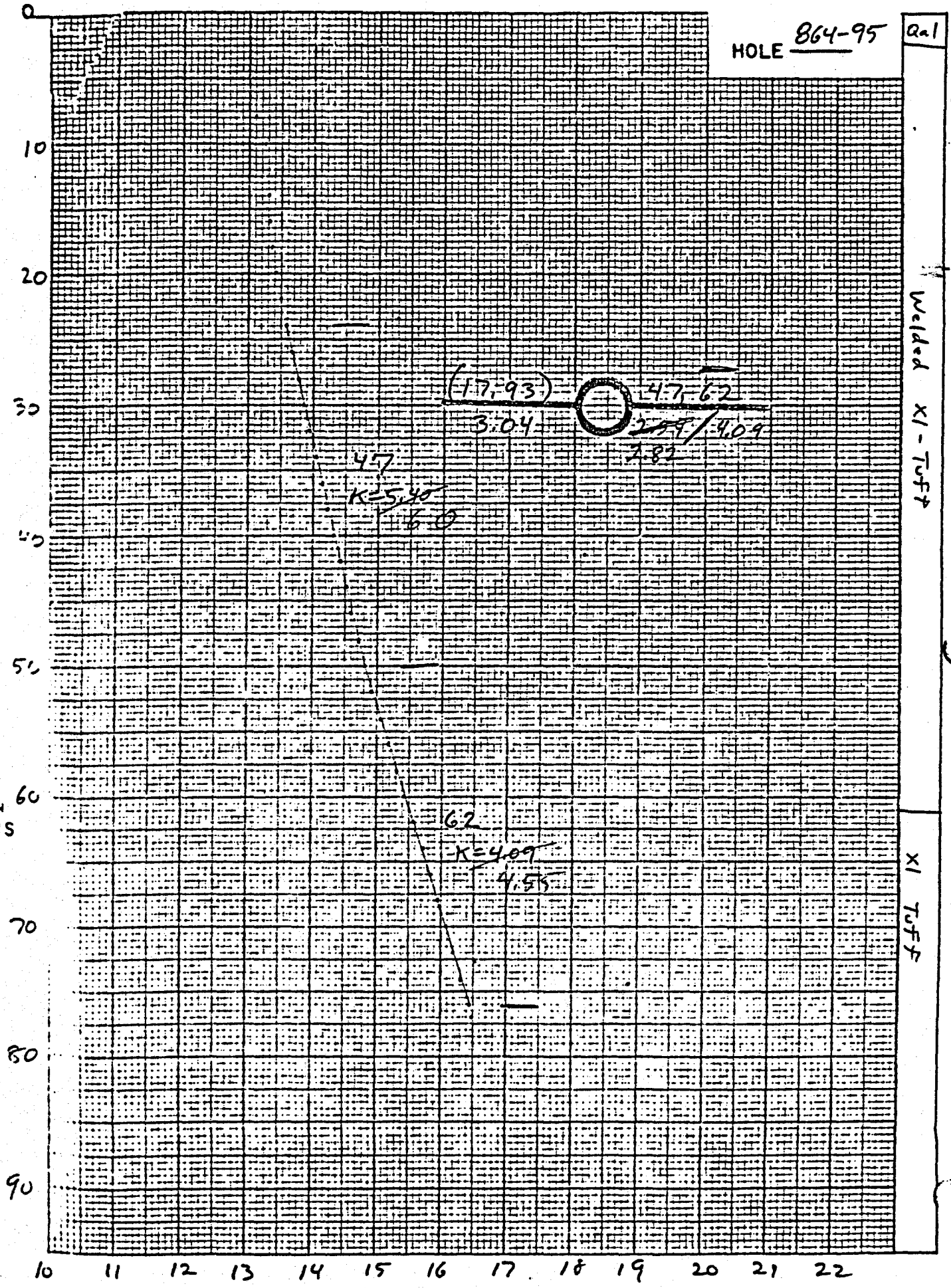
Segment 10

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			

After final segment

HOLE 864-95 Qal

DEPTH METERS



TEMPERATURE °C

Date Logged: 05/28/81

AT Well No. 864-95

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	^{H₂O} Air	Lithology, etc.
0							
2							
4							
6							
8	134.66 ↑	13.10					
10	133.99	13.25	.15	75			
12	133.81	13.29	.04	20			
14	133.77	13.30	.01	5			
16	133.70	13.32	.02	10			
18	133.48	13.37	.05	25			
20	133.19	13.43	.06	30			
22	132.87	13.50	.07	35			
24	132.47	13.59	.09	45			
26	132.07	13.68	.09	45			
28	131.67	13.78	.10	50			
30	131.28	13.86	.08	40			
32	130.87	13.96	.10	50			
34	130.45	14.05	.09	45			
36	130.08	14.14	.09	45			
38	129.66	14.23	.09	45			
40	129.28	14.32	.09	45			
42	128.85	14.42	.10	50			
44	128.42	14.52	.10	50			
46	128.08	14.60	.08	40			
48	127.57	14.72	.12	60			
50	127.13	14.82	.10	50			
52	126.65	14.93	.11	55			

Date Logged: 05/28/81

ΔT Well No. 864-95

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.	
54	126.05	15.07						
			.11	55				
56	125.57	15.18						
			.13	65				
58	125.05	15.31						
			.12	60				
60	124.51	15.43						
			.14	70				
62	123.94	15.57						
			.15	75				
64	123.32	15.72						
			.12	60				
66	122.80	15.84						
			.13	65				
68	122.27	15.97						
			.11	55				
70	121.79	16.08						
			.12	60				
72	121.32	16.20						
			.12	60				
74	120.80	16.32						
			.12	60				
76	120.30	16.44						
			.04	~~~~~ BOTTOM OF ~~~~~				
78	120.15	16.48						
80								
82								
84								
86								
88								
90								
92								
94								
96								
98								
100								

LITHOLOGIC LOG

Project: McCoy

Hole: 864-95

Elevation: 5500

Date Drilled: 4-7-81

Location: NENE 14 T22N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-2.5	Alluvium - tan, sandy silt with angular gravels (3mm-5cm) of intermediate volcanics, black limestones and minor cherts.
2.5-61	Welded Crystal Tuff - quartz latite, hard, lt. pink aphanitic matrix with phenocrysts (1-4mm) of quartz, k-spar, and altered plagioclase comprising 15-30% of rock. Rare biotite, magnetite and hornblende. Common manganese deposition along small tight fractures. Rare, small lithic fragments.
61-79	Crystal Tuff - lt. gray to pink, firm-hard, groundmass of tuffaceous material, and small lithic fragments and quartz grains (<0.5mm). 15% large biotite phenocrysts (2-5mm) and smaller, altered feldspars, often apple green and translucent. Trace of magnetite.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 864-96

Property-Project MCCOY - 864 Depth Logged 96 METERS

Map GILBERT CREEK SW Scale 7.5' Date: Drilled 4-5-81 Logged 05/27/81

State NEV. County LANDER, of of NE of NW of Sec 11 T22N R 40E

Instrument SPATFORD #46 Operator MARY ANERY Elevation 5350 (m)

Comments SECOND AND FINAL ST LOG

Date Logged

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	864	96	27	05	81 CM

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

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 69 70	71 72 73 74 75 76 77 78 79 80
3.5 KM E-NE OF HOLE 25-9	MAA	JED 05 04 81

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

Map Location **

Scale Unit	Map Size	N Lat	W Long
IN CM	(7.5, 15, 60)	Degree Min	Degree Min **
CM	7.5	39.45.0	117.30.0

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
20.1	110.19 5350. F

Write M if meters

Use decimals

Segment 1 = Depths

Conductivity

Best cond. (-K)

Downward extrapolations (-ΔK)

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	22.0	38.0	

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	96.0	-6.5	-.5
---	------	------	-----

Segment 3

Segment 2

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 5

Segment 4

Start →

Segment 7

Segment 6

Start →

Segment 9

Segment 8

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 10

Start →

After final seament

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			
---	--	--	--

HOLE 864-96

DEPTH METERS

0
10
20
30
40
50
60
70
80
90

10 11 12 13 14 15 16 17 18 19 20 21 22

TEMPERATURE °C

4.8
 $K=5.56$

(5.66)
4.60



4.8 4.1
2.67 / 6.5

4.1
 $K=6.5$



Chest or
Fanglomerate

Chest or
Fanglomerate

Date Logged: 05/27/81

AT Well No. 864-96

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	^{H₂O} Air	Lithology, etc.
0							
2							
4							
6	142.70	11.34	.53	240			
8	140.24	11.87	.21	105 105			
10	139.29	12.08	.04	20			
12	139.08	12.12	.02	10			
14	138.99	12.14	.04	20			
16	138.83	12.18	.06	30			
18	138.55	12.24	.06	30			
20	138.28	12.30	.06	30			
22	138.00	12.36	.10	50			
24	137.56	12.46	.07	35			
26	137.23	12.53	.08	40			
28	136.87	12.61	.09	45			
30	136.44	12.70	.09	45			
32	136.06	12.79	.11	55			
34	135.56	12.90	.11	55			
36	135.07	13.01	.12	60			
38	134.51	13.13	.10	50			
40	134.10	13.23	.08	40			
42	133.72	13.31	.09	45			
44	133.31	13.40	.09	45			
46	132.94	13.49	.09	45			
48	132.55	13.58	.05	25			
50	132.22	13.63	.10	50			
52	131.87	13.73					

LITHOLOGIC LOG

Project: McCoy

Hole: 864-96

Elevation: 5350

Date Drilled: 4-5-81

Location: NENW 11 T22N R40E

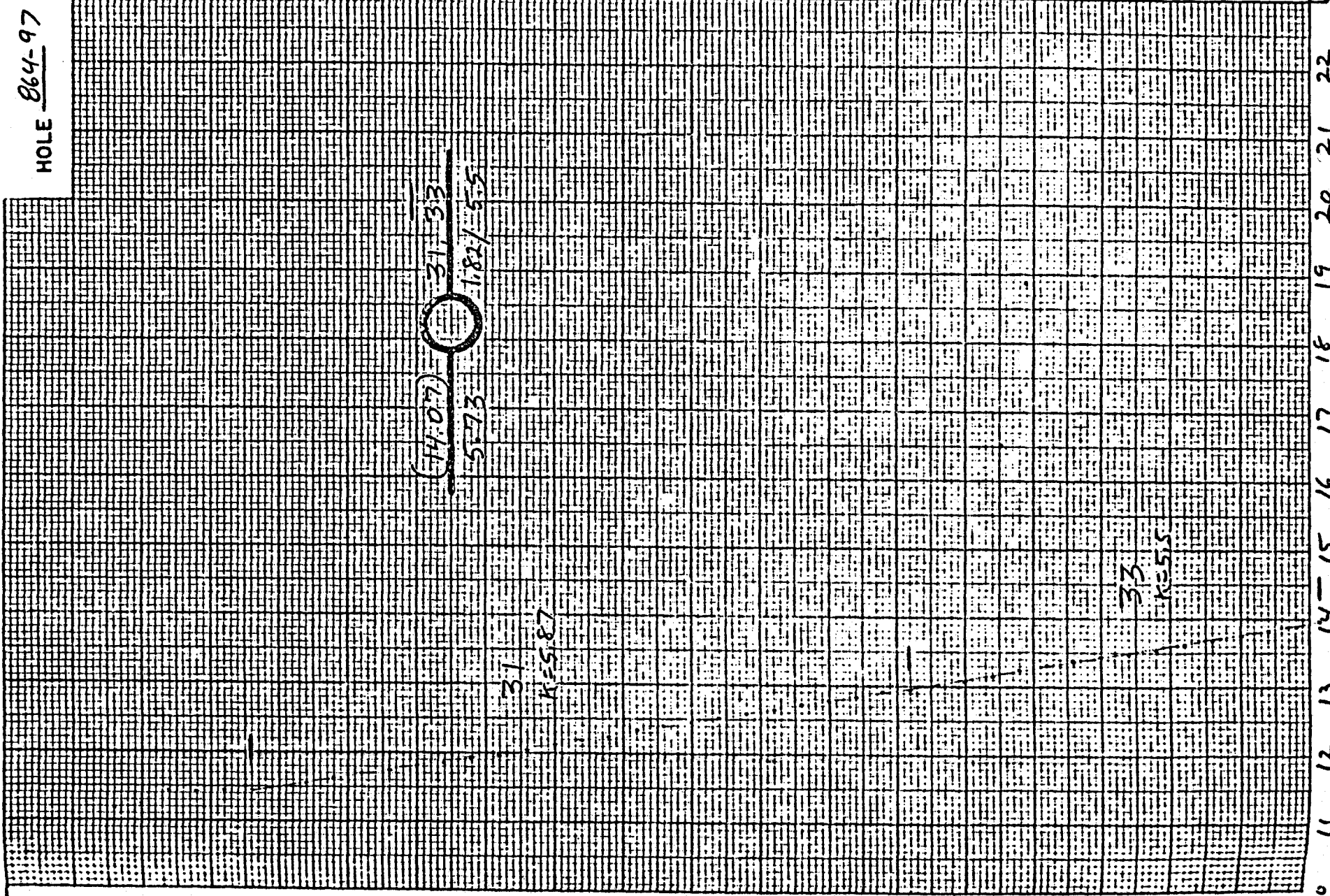
Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-1.5	Alluvium - tan, sandy-silt with minor angular gravels of chert, limestone and volcanics.
1.5-4	Gravels - angular to subangular gravels of cherts, volcanics and limestone. Dry poorly consolidated.
4-29	Alluvium - as in 0-1.5m (hole very dry to 29m).
29-53	Chert or Fanglomerate - lt. greenish-gray, gray and red cherts pervasively fractured and iron-stained, considerable variation within each sample, very similar to fanglomerate material in 864-92.
53-95	Chert or Fanglomerate - as above, except predominately lt. gray and reddish.

Unconsolidated Sediments Welded Tuff Tec



HOLE 864-97

0 10 20 30 40 50 60 70 80 90

DEPTH METERS

10 11 12 13 14 15 16 17 18 19 20 21 22

TEMPERATURE °C

Date Logged: 05/27/81

AT Well No. 864-97

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O ATR	Lithology, etc. (cuttings in EIKo)
0	143.3						
2							
4							
6							
8	143.391	11.19	.15	75			
10	142.69	11.34	.07	35			
12	142.96	11.41	.01	5			
14	142.30	11.42	-.02	10			
16	142.23	11.44	.02	10			
18	142.12	11.46	.04	20			
20	141.93	11.50	.07	35			
22	141.63	11.57	.05	25			
24	141.38	11.62	.08	40			
26	141.02	11.70	.06	30			
28	140.72	11.76	.06	30			
30	140.47	11.82	.05	25			
32	140.22	11.87	.06	30			
34	139.97	11.93	.05	25			
36	139.72	11.98	.08	40			
38	139.38	12.06	.06	30			
40	139.11	12.12	.07	35			
42	138.75	12.19	.07	35			
44	138.43	12.26	.08	40			
46	138.08	12.34	.06	30			
48	137.80	12.40	.07	35			
50	137.50	12.47	.05	25			
51	137.25	12.52					

LITHOLOGIC LOG

Project: McCoy

Hole: 864-97

Elevation: 5265

Date Drilled: 4-6-81

Location: NWSW 35 T23N R40E

Method: rotary air

Geologist: Deymonaz

Gamma: _____

Depth (m)	Description
0-55	Alluvium - tan, sandy silt with angular to subrounded gravels of chert and welded tuffs with lesser amounts of limestone and quartzite.
55-95	Tuff - latitic, hard, lt. gray to red, aphanitic groundmass with 15% phenocrysts of feldspars, minor quartz, trace of magnetite and biotite. Common manganese deposition along small tight fractures. <u>Note</u> - considerable uphole sluffing throughout hole, tuff comprises about 50% of cuttings in this interval but are broken and angular while gravels from alluvium are slightly rounded. May represent tuff unit or larger tuff boulders.

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

AT Well No 864-99

Property-Project MCCOY - 864 Depth Logged 25 m
Map Gilbert Ck SW Scale 7 1/2 Date: Drilled ? Logged 5-7-81
State Nv County Elko, of of of of Sec T23N R40E
Instrument SPAFFORD #46 Operator S.E.D./M.A. Elevation 5040 (ft)
Comments MINERAL HOLE IN DIGGINS ON ALTERATION TREND S OF MCCOY MINE.

JUSTIFY

Card A

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
8 6 4 9 9 0 7 0 5 8 1 C M *19-Write F if Fahrenheit, 20-Write F if Feet

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
1 KM N. OF WILD HORSE MINE MAA JED

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

Card B

Scale Unit IN CM Map Size (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
C M 7.5 39.45 117.30 0
Use decimals

Map Location * * N Lat W Long
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
52.03 2.385040 F ← Write M if meters
Use decimals

Segment 1 = Depths Start End Conductivity K ΔK Best cond. (-K) Downward extrapolations (-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
16.0 24.0 -4.5 -0.5

Segment 2 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
999

Segment 3 Start →

Segment 4 Start →

Segment 5 Start →

Segment 6 Start →

Segment 7 Start →

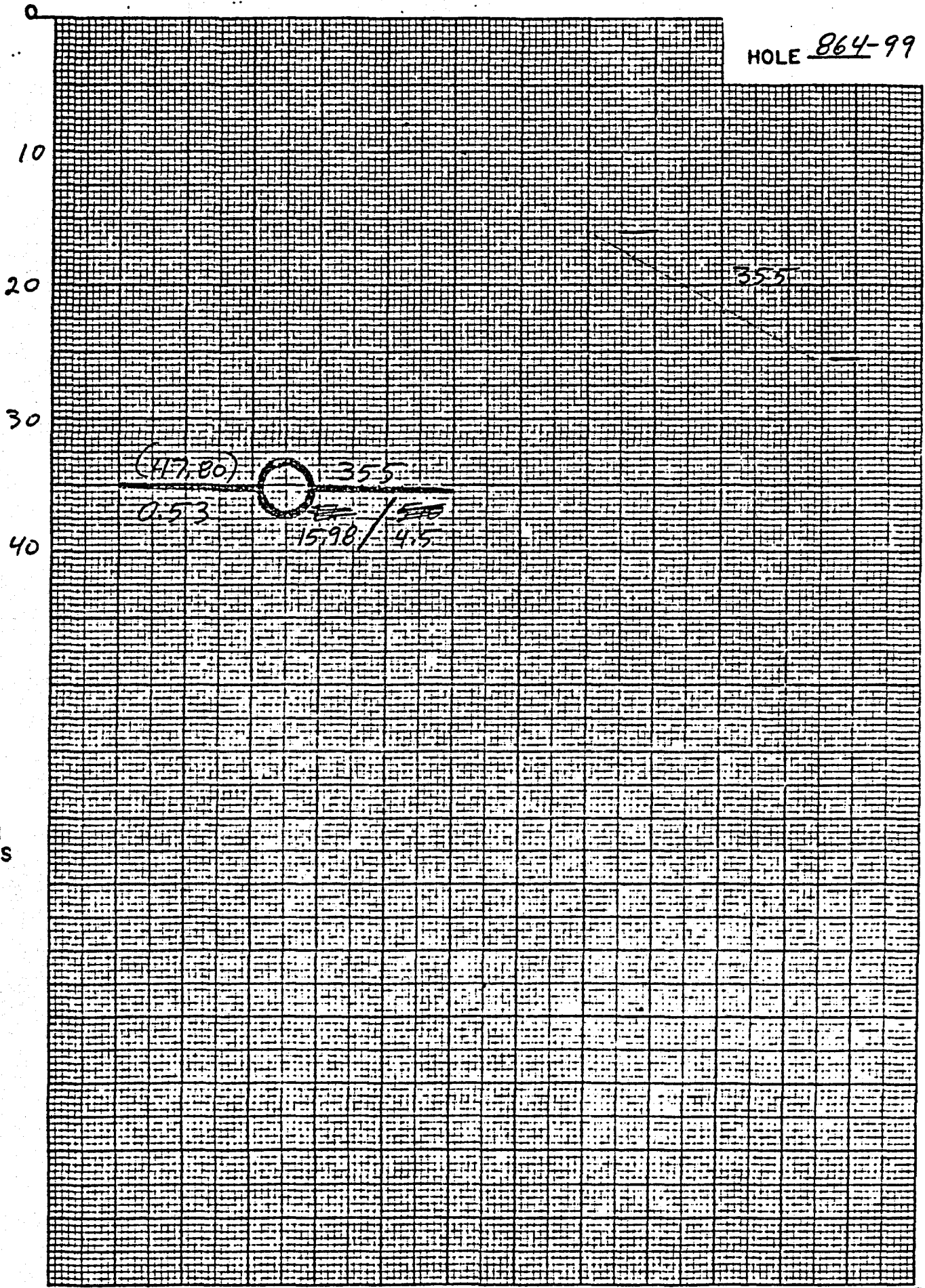
Segment 8 Start →

Segment 9 Start →

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

HOLE 864-99



(47.80)

0.53



35.5

15.98 / 4.5

35.5

DEPTH METERS

TEMPERATURE °C

