

GLO2430

LITHOLOGIC LOG

Project: McCoyHole: 25-9Elevation: 5776Date Drilled 26/3/81 thru 3/5/81Location: NWSW Sec 9 T22N R40EMethod: rotary/air/ and/or mudGeologist: Avery

Gamma: _____

Depth (')	Description
0- 15'	Overburden: Edwards Creek tuff float, and Triassic basal conglomerate float in mud-silt-sand.
15- 65'	Triassic basal conglomerate (T_{RC}): Strongly cemented sub-rounded to subangular gravel and pebble size clasts of brown, reddish brown, red, gray and green chert; white gray and brown quartzite. Cement is SiO_2 , with much iron staining along clast edges, in fractures, and in cement itself. Few boulder-size clasts of chert/quartzite.
65- 75'	Same as above, with addition of rounded reddish-purple f.c. quartzite, and yellow-brown chert fragments.
75- 85'	Same as above, with appearance of reddish brown, finely crushed siltstone making up approximately 20-30 % of total sample.
85- 95'	Same as 15'-65', with quartzite clasts \approx 80% of total. rounded chert pebbles \approx 10% of total. reddish-brown siltstone \approx 10% of total.
95-125'	Same as above, but siltstone now \approx 30-40% of total.
125-155'	Same T_{RC} , with appearance of buff (orange-gray) ss pebbles, and reddish-buff silt-st. pebbles (both well-rounded/rounded) - new material \approx 25-35% of total.
155-215'	T_{RC} with finely crushed, orange-gray silty sand-st. making up between 20% and 55% of total sample in this interval. Rounded-subrounded pebbles (chert/quartzite) still constitute up to 80% of total.
215-225'	Same as above. Silty ss <20% of total now.
225-245'	T_{RC} with 80% white qtzite/qtzite conglomerate that is densely cemented, l.g. qtzite with gravel-size, subangular clasts. Iron staining on fracture faces, and some hydrous copper oxide coatings on some fragments (qtzite retains sedimentary features as opposed to older quartzites such as Valmy, etc.).

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (ft)

Description

990-1090'	30-90% chert/qtzite subrounded-subangular gravel conglomerate with green, gray, brown chert and gray qtzite (as before, T _{RC}) 10-70%. F.g.-f.c. gray quartzite.
1090-1100'	40-50% conglomerate as above; 60-50% orange-gray sandy silt-st.
1100-1200'	30-50% greenish gray chert, rounded-angular pebble-gravel size chips-clasts. 30-50% gray, brownish-gray f.g. qtzite; 10-40% silty ss (orange-gray). T _{RC}
1200-1440'	50-95% chert, qtzite, chert/qtzite conglomerate (T _{RC}) as before. 5-50% buff, orange-gray or lt. brown-tan silty ss to sandy ss. Appearance of purple/red-gray qtzite, conglomerate. T _{RC}
1440-1460'	60-70% tan-lt. brown sandy silt-st. 30-40% gravel conglomerate. T _{RC}
1460-1540'	40-80% gravel-pebble (T _{RC}) conglomerate. Mostly v.f. gravels, rounded-angular. 20-60% orange-gray to lt. brown silty-ss and sandy silt-st.
1540-1600'	Chocolate-brown qtzite/chert gravel-pebble conglomerate (60% of total). Brown silty-ss, orange-gray sandy ss (40%). T _{RC}
1600-1620'	80-100% chert/qtzite conglomerate w/bedded chert (angular chert clasts 40%).
1620-1640'	50% reddish-purple, silicified, subrounded to rounded silt-st. pebbles and finely crushed silt-st. containing large angular quartz phenocrysts. Many pebbles are graywacke (clay/silt-st. matrix with quartz phenocrysts - see sample!). 30-40% T _{RC} conglomerate as before. 10-20% grayish green qtzite and chert. Havallah Formation.
1640-1650'	Fault zone: about 2% of total is greenish-white, soft (H < 2), w/greasy feel, splintery soapstone (tall and/or other clay minerals). Does not expand when heated. 40%

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (')

Description

	brown, lt. brown, red-brown, white, gray v.f.g. qtzite. 58% (!) red-purple silicified siltstone conglomerate or fault breccia with very angular clasts of chert, qtzite, and silt-st. Many have calcite veins, caps. Calcite shows stress in curved cleavage faces.
1650-1660	As above, but no clay minerals present. Few pebbles of graywacke with micaceous flakes (muscovite). Appearance of green/lime-green chert w/iron staining (PPh?). (Note: basal T _{RC} unit mapped east of 864-90 contains siltstones and conglomerates with identical micaceous flakes).
1660-1690	As above (1640-1660), but increasing amount of green, green w/red iron stains on micro-fractures chert (20-75% of total). Fault breccia still present (10-50%). Very little graywacke (PPh).
1690-1740	As above with 30-60% green, gray, dk. green chert. 20-30% silty graywacke which is now slightly calcareous and has pheocrysts of qtzite (no micaceous flakes). 0-10% brown qtzite (f.g.).
1740-1750	No sample.
1750-1880	40-80% green-gray chert as angular gravel size chips. 15-45% reddish brown-purple silicified siltstone gravel size chips. 5-30% gray brown quartzite gravel size chips (P _{ph}). 5-30% graywacke (calcareous w/SiO ₂ phenocrysts - not micaceous).
1880-2000	80-90% chert and dark purple/brown silicified silt-st.; 10-20% buff to gray quartzite; occasional rock fragments of T _{RC} chert gravel-pebble conglomerate from uphole - very iron-stained. (Note: Both the chert (green, lime-green, dk. green iron stained on micro-fractures green) and the silicified silt-st. (dark reddish-purple brown to reddish orange to gray-orange) were mapped as outcrops and low "rubble" hills 1-2 miles east of 25-9 and 1-3 miles east of 864-90. Hand samples of these PP Havallah sequence rocks are available - see Avery's rock collection!).

LITHOLOGIC LOG

Project: 864Hole: 38-9Elevation: 5169Date Drilled: 16/4/81 thru 9/5/81Location: SESW Sec 9 T23NR40EMethod: rotary/airGeologist: Avery

Gamma: _____

Depth ()	Description
0-15'	Orange-gray silty sandstone, partly silicified, alteration (clay) present, brecciated and containing iron veinlets and staining (50%). Chert-gray/pebble (T _{RC}) conglomerate in silica matrix. Iron-stained.
15-25'	Broken, brecciated, altered (clay) T _{RC} ? silicified silt-st., sandstone, chert congl. Drillers (Pat Edwards) say that rock is fractured, poor drilling. Iron-stained.
25-45'	30-50% of original rock (Ls?) is totally replaced with silica. Some T _{RC} conglomerate (<5%). 50-70% brown, white, gray f-m.g. quartzite.
45-55'	Same. Chips are smaller. Some chert. Strongly iron-stained formation. 20% silty sandstone of an orange-gray color.
55-65'	As above, with 50% T _{RC} chert/qtzite silica cemented conglomerate and 5-45% silty-sandstone of orange-gray color.
65-75'	As above, with 20-60% conglomerate and coarse sandstone. Very iron-stained.
75-85'	As above, w/clay alteration and brecciated conglomerate, chert. Fault?
85-115'	Same as 65-75'.
115-135'	85% chert/qtzite gravel-pebble conglomerate. 10% orange-gray silty-ss matrix of conglomerate? 5% gray-white m.g. qtzite.
135-155'	Very silicified conglomerate as above w/fault breccia & silic. Ls? - original rock totally replaced with silica. Very iron-stained. One fragment with cinnabar. 5-20% silty ss, 20% quartzite.
155-175'	Same as above, but now all silicified rock (Ls?) - no conglomerate, some breccia. Another cinnabar fragment. Iron-stained. Silty ss < 10%.
175-185'	Same as above with 30% f-mg. White-buff qtzite.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
185-215'	Appearance of tan, buff, brown and orange white-gray F.M.G. qtzite. Many chips have black spotty appearance due to pheonocrysts (coarse sand grains). $H \approx 7$. 60-80% total (congl., silicified congl. Ls 20-40%) .
215-225'	60% orange-gray F.M.G. ss. 40% above. (silty-ss too).
225-235'	As above, but ss is siltier, and is sometimes a silty ss congl. with gravel size clasts of chert, 5% red silt st (silicified). Ss is orange-gray to lt. brown.
235-245'	Same as above.
245-255'	Same as above. 50% ss, ss congl.
255-265'	Same as above. 80% ss.
265-275'	Same as above. Some of ss is stained a flamingo pink-red. Mercury?
275-285'	50% tan-gray fg-mg qtzite ($H \approx 7$). 50% congl./silicified Ls.
285-295'	80% gravel-pebble congl. in orange-gray silic. silty ss. Maxtrix.
295-307'	50% gravel-pebble congl. in orange-gray silic. silty ss or silicified. 50% qtzite, brown-orange gray interbedded w/reddish brown silt. st.
307-320'	Red siltstone w/thin interbeds, laminae of tan qtzite as above. 5% green chert angular chips. (PPh).
320-330'	As above with 40-50% red siltst (silic). 30-35% tan-orange qtzite. 15-20% green chert. (PPh).
330-340'	60% gray silicified Ls. No effervescence in acid. Grain size is too small to see w/hand lens and silt. effervescence when scratched. 40% orange gray-brown ss.
340-350'	60-70% orange-gray-brown silty ss. 30-40% gray ss as above.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth ()	Description
350-360'	40% interbedded, thinly bedded orange-gray-brown silty ss. 60% gray-dk. gray chert gravel highly silicified congl. w/rounded-angular chasts.
360-370'	Same as above, but was 80% congl. Very tightly silicified clasts "melted" into each other.
370-380'	70% very silicified conglomerate. 30% brown-orange-gray silty ss. Looks like trc. Two chips have cinnabar xls.
380-390'	Same as above but now 70% orange-gray silty ss. 30% congl.
390-400'	90% orange-gray to brown silty ss; & ss (f-mg), 10% conglomerate.
400-410'	90% iron-stained, gray silicified Ls, silty ss, orange-gray, 10% conglomerate.
410-420'	50% orange-gray ss (fg), 50% dense, gray silicified Ls or calcareous silt-st.
420-430'	80% dense, gray silic. calc. siltst. or Ls.
430-440'	Dense gray-dk. gray (bedded) siltst. and day st. (H=4). Some is silicified. Few qtz. w/sulfide picas.
440-450'	Same as above.
450-460'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
460-470'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
470-480'	Brown appearance of red silic. siltst.
480-490'	Brown, brown, brownish green-gray siltst. silty ss, but some iron-stained silty ss. Some of it is conglometric.
490-500'	" " " " " "
500-510'	Gray f.g. ss, silty ss, clayst. siltst. (silicified) fractured, iron-stained.

LITHOLOGIC LOG

Project: 864

Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
510-520'	Same as above, but now 50% gravel chert silicified congl.
520-530'	60% gray fg ss, silic. siltstone is gray-reddish gray-silic claystone is white-greenish gray while 40% congl.
530-540'	Dk. gray chert/qtzite gravel congl. Very dense. Silicified. Sulfides occur as granular fracture fillings, coatings, pyrite, c/pyrite, others. Most clasts are well-rounded to subrounded.
540-550'	Lt. gray - gray fg quartzite.
550-560'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
560-570'	Gray-brownish gray fg qtzite (60%) red silicified silt. st. (40%)
570-580'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
580-590'	Gray-dk. gray chert and qtzite (Fe) sulfides (minor).
590-600'	Gray, thinly bedded vfg qtzite, some silica silt. st., v. minor chert, sulfides (v. minor).
600-610'	Gray-red silicified siltstone, ss, and claystone.
610-620'	Gray-brownish gray fg-vfg qtzite, some silica silt. st., chert (v. minor sulfides)
620-630'	Gray-dk. gray qtzite (fg), chert, and qtzite (chert congl. sulfides).
630-640'	Same but mostly conglomerate (chert/qtzite rounded-angular pebbles).
640-650'	Same as 600-620 - congl. w/sulfides interval 6.
650-660'	95% red silicified silt. st., qtzite (fg)
660-670'	85% " " " "
670-680'	60% " " " "

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
680-690'	Same as 600-610', mostly gray chert, qtzite (fg) 10-15% red silt. st.
690-700'	Same as 600-610' with gray qtzite, green-gray chert, and chert congl.
700-710'	" " " " "
710-720'	" " " " "
720-730'	Same as 600-610'
730-740'	Gray silicified siltstone ss, greenish gray chert, iron-staining.
740-750'	Brownish gray qtzite, red silt. st., chert qtzite congl. (20%).
750-760'	Congl., chert, qtzite, 15% red silic. silt. st.
760-770'	Chert, qtzite, congl., minor sulfides.
770-780'	Chert, qtzite, congl., minor sulfides.
780-790'	Same as 750-760' 10% silt. st.
790-800'	" " mostly qtzite.
800-810'	" " w/buff qtzite, green chert, gray-brown qtzite, red silt. st. (5%).
810-820'	Same as above. No buff qtzite.
820-830'	Chert, congl.
830-840'	" " some minor sulfides.
840-850'	Chert, congl., red silt. st. (30-40%).
850-860'	" " " (40-50%).
860-870'	Chert, congl., buff iron-stained qtzite (25%).
870-880'	" " " " (40%) w/orange-gray ss congl. (30%).

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
880-890'	Green-gray chert congl.
890-900'	Mostly brownish-gray chert. 30% congl.
900-910'	" " " "
910-920'	Chert, congl. 50-56
920-930'	as in 890-900.
930-950'	Clear, brown, green chert, gray-brown fg ss minor sulfides w/FeS.
930-940'	Gray, brown-gray, dk. gray chert, qtzite; minor sulfides.
940-950'	Gray, brown-gray, with some red chert. Minor sulfides.
950-960'	Same as above.
960-970'	Same as above 5% red sulfides (minor pyrite).
970-980'	" " " " "
980-990'	" " " " "
990-1000'	" " red chert ≈20% sil. red silt. st. 5%, congl. 20% and/or breccia.
1000-1010'	Same as above, 10% sulfides, congl. 20% and/or breccia.
1010-1020'	Same, no red chert, mostly grayish chert, sulfides, and/or breccia.
1020-1030'	" " " "
1030-1040'	" " " "
1040-1050'	" " " "
1050-1060'	Mostly cong. (green chert, gray-brown qtzite pebbles, gravels). Sulfides.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
1060-1070'	Same but more alteration, breccia. Iron-staining, sulfides less.
1070-1080'	Mostly green-gray chert, & brown chert w/ congl., sulfides.
1080-1090'	Iron-stained chert, qtzite, very little sulfides.
1090-1100'	Iron-stained chert, qtzite, very little sulfides.
1100-1110'	Iron-stained chert, qtzite, very little sulfides.
1110-1120'	Gray-brown-green chert qtzite, minor sulfides & congl.
1120-1130'	" " " "
1130-1140'	" " " "
1140-1150'	" " " "
1150-1160'	Same as 1110-1150' minor sulfides.
1160-1170'	Same as 1110-1150' minor sulfides.
1170-1180'	Same as 1110-1150' minor sulfides.
1180-1190'	Same as 1110-1150' no sulfides.
1190-1200'	More reddish brown F.C. qtzite, chert congl. No sulfides.
1200-1210'	Same as above.
1210-1220'	Mostly brown-gray-green chert (90%). No sulfides.
1220-1230'	Chert, qtzite, no sulfides.
1230-1240'	Same as above
1240-1250'	Same as above
1250-1260'	Same as above

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (')	Description
1260-1270'	Same as above
1270-1280'	Same as above w/minor sulfides (minor pyrite).
1280-1290'	Same as above.
1290-1300'	Same as above.
1300-1310'	plus, silicified siltst. (red): 20% of total.
1310-1320'	Same as above, no sulfides.
1320-1330'	Same as above.
1330-1340'	Gray-green chert, orange-gray-brownish-gray-reddish-brown qtzite, red silic-silt. st. and 40-50% chert gravel congl., <u>v. minor sulfides as FeS₂</u> .
1340-1350'	As above.
1350-1360'	Gray-reddish brown qtzite (60%), gray-green chert (20%), chert congl. (20%).
1360-1370'	Chert; qtzite - gray, brown, red, green, yellow, clear.
1370-1380'	" " " "
1380-1390'	Reddish-brown silicified siltstone, silty-qtzite, silt. st. congl. w/some red chert.
1390-1400'	as above, w/ 10% green chert.
1400-1410'	Green chert (iron-stained), brown qtzite, red silic. silt. st.
1410-1420'	Dk. gray-green chert, qtzite as above, <u>fault breccia</u> only and chert congl., minor sulfide as FeS, red silic. silt. st.
1420-1430'	As above, no silt. st.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

864-65

ΔT Well No. 25-9

Property-Project McCoy Depth Logged 600m

Map _____ Scale 7 1/2 Date: Drilled 5-2-81 Logged 8-5-81

State NV County Churchill, _____ of _____ of NW of SW of Sec 9 T22N R 40E

Instrument # 46 Operator JED Elevation _____ (ft/m)

Comments 2 3/8 pipe Filled with H2O hung in open hole. Temps From upper 90 m of hole Taken on 5-15-81

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	6508	05	05	81

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

Card A

Site Description																														Operator			Editor			DA			MO			YR																																																							
21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68	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	181 182 183 184 185 186 187 188 189 190	191 192 193 194 195 196 197 198 199 200	201 202 203 204 205 206 207 208 209 210	211 212 213 214 215 216 217 218 219 220	221 222 223 224 225 226 227 228 229 230	231 232 233 234 235 236 237 238 239 240	241 242 243 244 245 246 247 248 249 250	251 252 253 254 255 256 257 258 259 260	261 262 263 264 265 266 267 268 269 270	271 272 273 274 275 276 277 278 279 280	281 282 283 284 285 286 287 288 289 290	291 292 293 294 295 296 297 298 299 300	301 302 303 304 305 306 307 308 309 310	311 312 313 314 315 316 317 318 319 320	321 322 323 324 325 326 327 328 329 330	331 332 333 334 335 336 337 338 339 340	341 342 343 344 345 346 347 348 349 350	351 352 353 354 355 356 357 358 359 360	361 362 363 364 365 366 367 368 369 370	371 372 373 374 375 376 377 378 379 380	381 382 383 384 385 386 387 388 389 390	391 392 393 394 395 396 397 398 399 400	401 402 403 404 405 406 407 408 409 410	411 412 413 414 415 416 417 418 419 420	421 422 423 424 425 426 427 428 429 430	431 432 433 434 435 436 437 438 439 440	441 442 443 444 445 446 447 448 449 450	451 452 453 454 455 456 457 458 459 460	461 462 463 464 465 466 467 468 469 470	471 472 473 474 475 476 477 478 479 480	481 482 483 484 485 486 487 488 489 490	491 492 493 494 495 496 497 498 499 500	501 502 503 504 505 506 507 508 509 510	511 512 513 514 515 516 517 518 519 520	521 522 523 524 525 526 527 528 529 530	531 532 533 534 535 536 537 538 539 540	541 542 543 544 545 546 547 548 549 550	551 552 553 554 555 556 557 558 559 560	561 562 563 564 565 566 567 568 569 570	571 572 573 574 575 576 577 578 579 580	581 582 583 584 585 586 587 588 589 590	591 592 593 594 595 596 597 598 599 600	601 602 603 604 605 606 607 608 609 610	611 612 613 614 615 616 617 618 619 620	621 622 623 624 625 626 627 628 629 630	631 632 633 634 635 636 637 638 639 640	641 642 643 644 645 646 647 648 649 650	651 652 653 654 655 656 657 658 659 660	661 662 663 664 665 666 667 668 669 670	671 672 673 674 675 676 677 678 679 680	681 682 683 684 685 686 687 688 689 690	691 692 693 694 695 696 697 698 699 700	701 702 703 704 705 706 707 708 709 710	711 712 713 714 715 716 717 718 719 720	721 722 723 724 725 726 727 728 729 730	731 732 733 734 735 736 737 738 739 740	741 742 743 744 745 746 747 748 749 750	751 752 753 754 755 756 757 758 759 760	761 762 763 764 765 766 767 768 769 770	771 772 773 774 775 776 777 778 779 780	781 782 783 784 785 786 787 788 789 790	791 792 793 794 795 796 797 798 799 800	801 802 803 804 805 806 807 808 809 810	811 812 813 814 815 816 817 818 819 820	821 822 823 824 825 826 827 828 829 830	831 832 833 834 835 836 837 838 839 840	841 842 843 844 845 846 847 848 849 850	851 852 853 854 855 856 857 858 859 860	861 862 863 864 865 866 867 868 869 870	871 872 873 874 875 876 877 878 879 880	881 882 883 884 885 886 887 888 889 890	891 892 893 894 895 896 897 898 899 900	901 902 903 904 905 906 907 908 909 910	911 912 913 914 915 916 917 918 919 920	921 922 923 924 925 926 927 928 929 930	931 932 933 934 935 936 937 938 939 940	941 942 943 944 945 946 947 948 949 950	951 952 953 954 955 956 957 958 959 960	961 962 963 964 965 966 967 968 969 970	971 972 973 974 975 976 977 978 979 980	981 982 983 984 985 986 987 988 989 990	991 992 993 994 995 996 997 998 999 1000

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

MCCOY

Scale Unit CM Map Size 75, 15, 60 N Lat 39.45.0 W Long 117.30.0

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

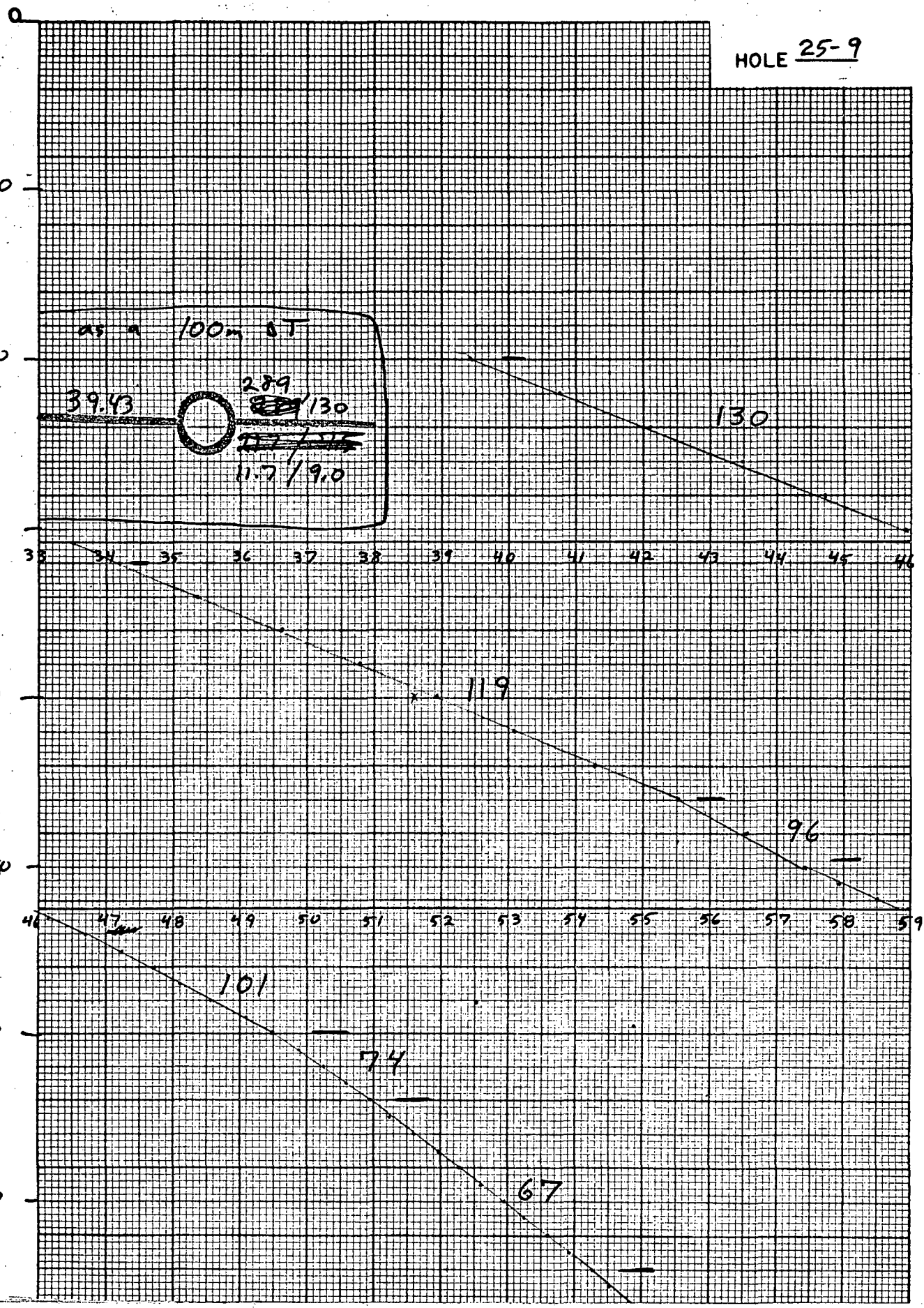
Northing															Easting															Elev																																																																
51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70	71 72 73 74 75 76 77 78 79 80	81 82 83 84 85 86 87 88 89 90	91 92 93 94 95 96 97 98 99 100	101 102 103 104 105 106 107 108 109 110	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	181 182 183 184 185 186 187 188 189 190	191 192 193 194 195 196 197 198 199 200	201 202 203 204 205 206 207 208 209 210	211 212 213 214 215 216 217 218 219 220	221 222 223 224 225 226 227 228 229 230	231 232 233 234 235 236 237 238 239 240	241 242 243 244 245 246 247 248 249 250	251 252 253 254 255 256 257 258 259 260	261 262 263 264 265 266 267 268 269 270	271 272 273 274 275 276 277 278 279 280	281 282 283 284 285 286 287 288 289 290	291 292 293 294 295 296 297 298 299 300	301 302 303 304 305 306 307 308 309 310	311 312 313 314 315 316 317 318 319 320	321 322 323 324 325 326 327 328 329 330	331 332 333 334 335 336 337 338 339 340	341 342 343 344 345 346 347 348 349 350	351 352 353 354 355 356 357 358 359 360	361 362 363 364 365 366 367 368 369 370	371 372 373 374 375 376 377 378 379 380	381 382 383 384 385 386 387 388 389 390	391 392 393 394 395 396 397 398 399 400	401 402 403 404 405 406 407 408 409 410	411 412 413 414 415 416 417 418 419 420	421 422 423 424 425 426 427 428 429 430	431 432 433 434 435 436 437 438 439 440	441 442 443 444 445 446 447 448 449 450	451 452 453 454 455 456 457 458 459 460	461 462 463 464 465 466 467 468 469 470	471 472 473 474 475 476 477 478 479 480	481 482 483 484 485 486 487 488 489 490	491 492 493 494 495 496 497 498 499 500	501 502 503 504 505 506 507 508 509 510	511 512 513 514 515 516 517 518 519 520	521 522 523 524 525 526 527 528 529 530	531 532 533 534 535 536 537 538 539 540	541 542 543 544 545 546 547 548 549 550	551 552 553 554 555 556 557 558 559 560	561 562 563 564 565 566 567 568 569 570	571 572 573 574 575 576 577 578 579 580	581 582 583 584 585 586 587 588 589 590	591 592 593 594 595 596 597 598 599 600	601 602 603 604 605 606 607 608 609 610	611 612 613 614 615 616 617 618 619 620	621 622 623 624 625 626 627 628 629 630	631 632 633 634 635 636 637 638 639 640	641 642 643 644 645 646 647 648 649 650	651 652 653 654 655 656 657 658 659 660	661 662 663 664 665 666 667 668 669 670	671 672 673 674 675 676 677 678 679 680	681 682 683 684 685 686 687 688 689 690	691 692 693 694 695 696 697 698 699 700	701 702 703 704 705 706 707 708 709 710	711 712 713 714 715 716 717 718 719 720	721 722 723 724 725 726 727 728 729 730	731 732 733 734 735 736 737 738 739 740	741 742 743 744 745 746 747 748 749 750	751 752 753 754 755 756 757 758 759 760	761 762 763 764 765 766 767 768 769 770	771 772 773 774 775 776 777 778 779 780	781 782 783 784 785 786 787 788 789 790	791 792 793 794 795 796 797 798 799 800	801 802 803 804 805 806 807 808 809 810	811 812 813 814 815 816 817 818 819 820	821 822 823 824 825 826 827 828 829 830	831 832 833 834 835 836 837 838 839 840	841 842 843 844 845 846 847 848 849 850	851 852 853 854 855 856 857 858 859 860	861 862 863 864 865 866 867 868 869 870	871 872 873 874 875 876 877 878 879 880	881 882 883 884 885 886 887 888 889 890	891 892 893 894 895 896 897 898 899 900	901 902 903 904 905 906 907 908 909 910	911 912 913 914 915 916 917 918 919 920	921 922 923 924 925 926 927 928 929 930	931 932 933 934 935 936 937 938 939 940	941 942 943 944 945 946 947 948 949 950	951 952 953 954 955 956 957 958 959 960	961 962 963 964 965 966 967 968 969 970	971 972 973 974 975 976 977 978 979 980	981 982 983 984 985 986 987 988 989 990	991 992 993 994 995 996 997 998 999 1000

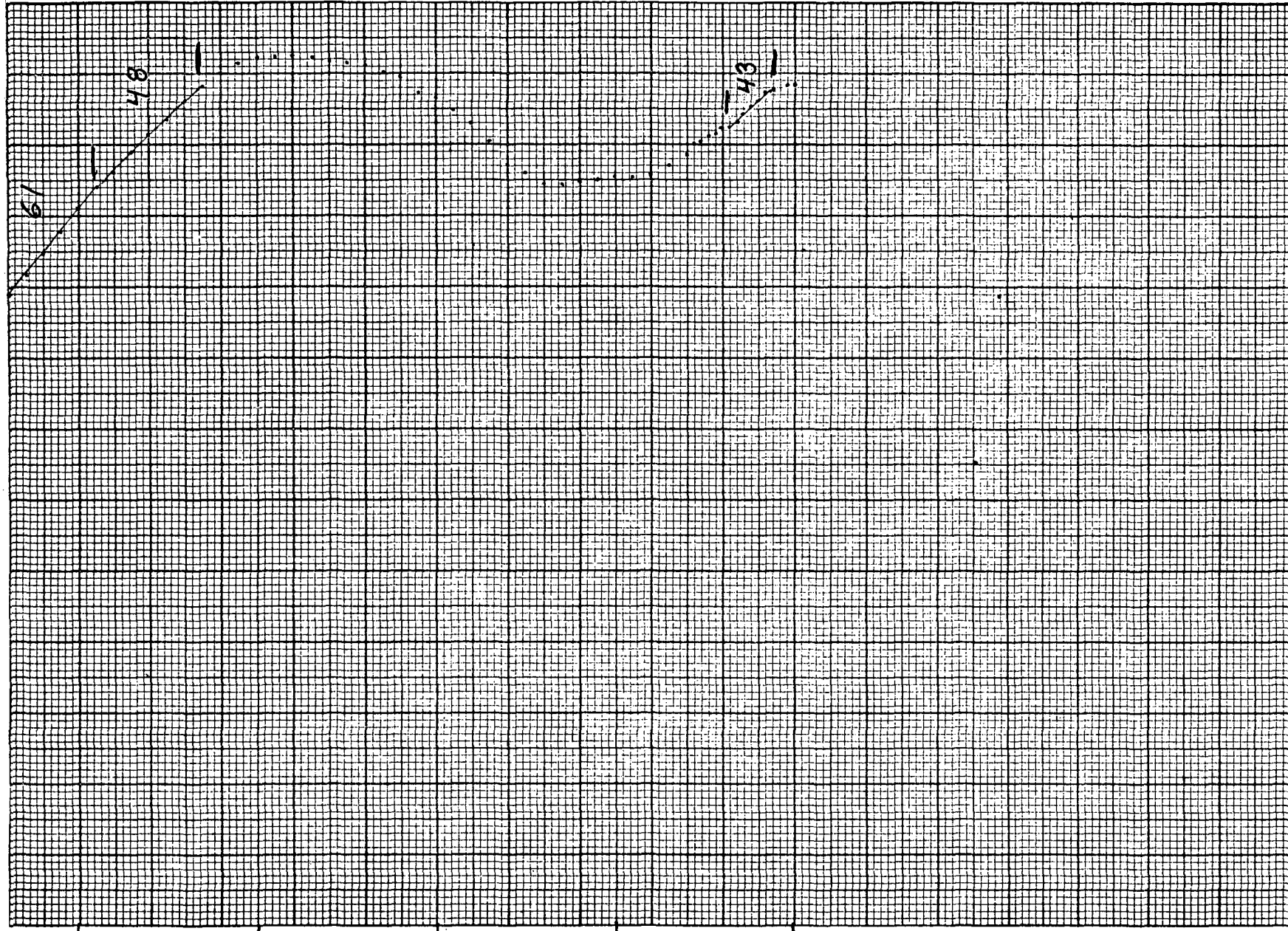
Write M if meters

Segment	Start	End	Conductivity K	ΔK	Best cond. (-K)	Downward extrapolations (-ΔK)
Segment 1	100.0	160.0	9.0	0.5		
Segment 2	160.0	230.0	160.0	230.0		
Segment 3	230.0	250.0				
Segment 4	250.0	300.0	250.0	300.0		
Segment 5	300.0	320.0				
Segment 6	320.0	370.0	320.0	370.0		
Segment 7	370.0	405.0				
Segment 8	405.0	435.0	405.0	435.0		
Segment 9						

HOLE 25-9

DEPTH METERS





400

450

500

550

600
DEPTH
METERS

59

60

61

62

63

64

65

66

67

68

69

70

71

72

TEMPERATURE °C

61

48

43

Date Logged: _____

AT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200	33.30	51.60					Cable in .0973 out .1309
250	26.94	57.42	5.82				
255	26.42	57.96	0.54	108			
260	25.90	58.51	0.55	110			
265	25.30	59.16	0.65	130			
270	24.81	59.70	0.54	108			
275	24.32	60.26	0.56	112			
280	23.92	60.72	0.46	92			
285	23.61	61.09	0.37	74			
290	23.23	61.54	0.45	90			
295	22.77	62.10	0.56	112			
300	22.47	62.47	0.27	54			
305	22.15	62.87	0.40	80			
310	21.85	63.26	0.39	78			
315	21.60	63.59	0.33	66			
320	21.33	63.94	0.35	70			
325	21.11	64.23	0.29	58			
330	20.84	64.60	0.34	72			
335	20.57	64.97	0.37	74			
340	20.35	65.27	0.30	60			
345	20.11	65.61	0.34	68			
350	19.87	65.95	0.34	68			
355	19.65	66.26	0.31	62			
360	19.41	66.61	0.35	70			
365	19.20	66.92	0.31	62			
370	18.97	67.27	0.35	70			
375	18.80	67.53	0.26	52			

K=Conductivity

Date Logged: _____

 ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
380	18.56	67.89	0.36	72			
			0.30	60			
385	18.37	68.19					
			0.30	60			
390	18.18	68.49					
			0.28	56			
395	18.00	68.77					
			0.32	64			
400	17.80	69.09					
			0.31	62			
405	17.61	69.40					
			0.21	42			
410	17.48	69.61					
			0.28	56			
415	17.31	69.89					
			0.26	52			
420	17.17	70.13					
			0.23	46			
425	17.03	70.36					
			0.23	46			
430	16.90	70.59					
			0.24	48			
435	16.76	70.83					
			0.17	34			
440	16.66	71.00					
			0.14	28			
445	16.58	71.14					
			0.07	14			
450	16.54	71.21					
			0.02	4			
455	16.53	71.23					
			0.01	2			
460	16.52	71.24					
			-0.01	-2			
465	16.53	71.23					
			-0.06	-12			
470	16.56	71.17					
			-0.03	-6			
475	16.58	71.14					
			-0.04	-8			
480	16.60	71.10					
			-0.07	-14			
485	16.64	71.03					
			-0.08	-16			
490	16.69	70.95					
			-0.12	-24			
495	16.76	70.83					
			-0.18	-36			
500	16.86	70.65					
			-0.17	-34			
505	16.96	70.48					
			-0.18	-36			
510	17.07	70.30					

K=Conductivity

Page _____ of _____

Date Logged: _____

 ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
515	17.21	70.06	-0.24	-48			
520	17.36	69.81	-0.35	-70			
525	17.49	69.60	-0.21	-42			
530	17.58	69.45	-0.15	-30			
535	17.58	69.45	0.00	0			
540	17.57	69.47	0.02	4			
545	17.54	69.51	0.04	8			
550	17.52	69.55	0.04	8			
555	17.52	69.55	0.00	0			
560	17.50	69.58	0.03	6			
565	17.42	69.71	0.13	26			
570	17.32	69.88	0.17	34			
572	17.24	70.01	0.13	65			
574	17.21	70.06	0.05	25			
576	17.17	70.13	0.07	35			
578	17.15	70.16	0.03	15			
580	17.12	70.21	0.05	25			
582	17.10	70.25	0.04	20			
584	17.06	70.31	0.06	30			
586	16.99	70.43	0.12	60			
588	16.93	70.53	0.10	50			
590	16.88	70.62	0.09	45			
592	16.83	70.71	0.09	45			
594	16.80	70.76	0.05	25			
596	—	—	0.08	20			
598	16.75	70.84					
600	16.74	70.86	0.04	20			

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

864-62

AT Well No. 38-9

Property-Project McCoy Depth Logged 620m

Map Gilbert Ck SW, Scale 7 1/2 Date: Drilled 5-21-81 Logged 7-31-81

State NV County Churchill of SE of SW of Sec 9 T 23N R 40E

Instrument #46 Operator JED Elevation _____ (ft/m)

Comments 2 3/8" H2O Filled steel pipe in open 6 1/4" hole

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 19 20				
864	62	31	07	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
0.35	KM N MCCOY MINE		JED/DD	21 05 81

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

Map Location * *

Scale Unit IN CM Map Size (7.5, 15, 60) 7.5 Degree 39.15.0 Min 117.30.0 Degree 30.0 Min **

Use decimals

Northring 55.55 Easting 4.09 Elev _____

Use decimals

Write M if meters

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

Segment 1 = Depths

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	
	12.0	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	52.0	

Segment 3

52.0	90.0	-7.5	-0.5
------	------	------	------

Segment 4

90.0	130.0		
------	-------	--	--

Segment 5

130.0	175.0		
-------	-------	--	--

Segment 6

175.0	195.0		
-------	-------	--	--

Segment 7

195.0	620.0		
-------	-------	--	--

Segment 8

	999		
--	-----	--	--

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	
-------------------------------	-------------------------------	-------------------------------	--

HOLE 38-9

183

238

50

11 13 15 17 19 21 23 24

~~200~~ 200

100

24 26 28 30 32 34 36 [3]

150

116

200

As a 90m AT

45.74°C

DEPTH METERS

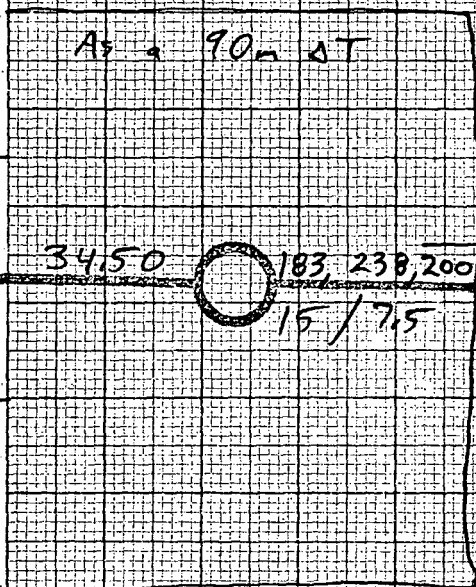
34.50

183, 238, 200
15 / 7.5

300

350

Chart pebble cong, quartzites, siltstones



DEPTH
METERS

400

450

500

550

650

37

39

41

43

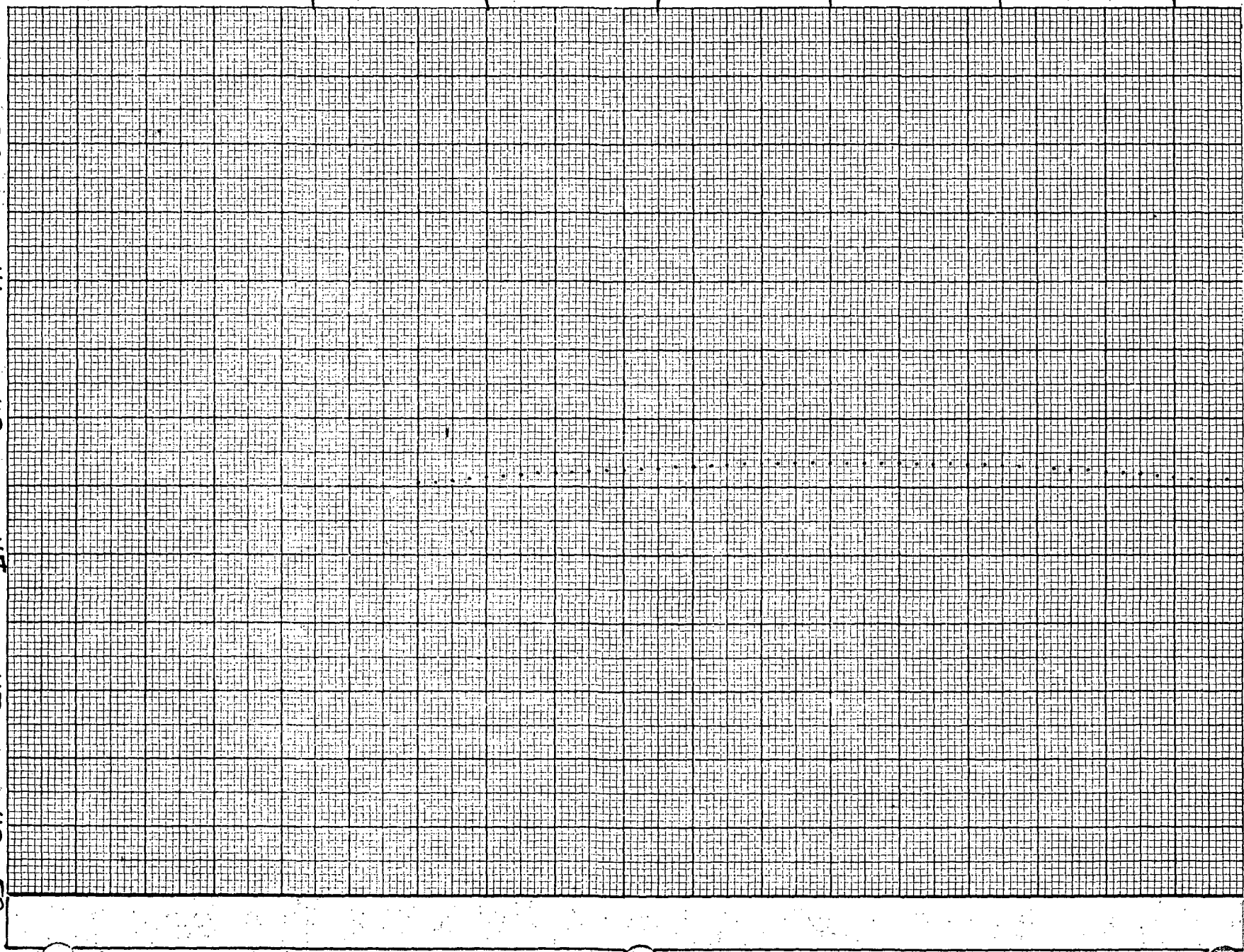
45

47

49

50

TEMPERATURE °C



Date Logged: 7-31-81AT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
6	124.60	15.41				H ₂ O	Cable in .1060
8	123.99	15.56					Cable out .0926
10	122.50	15.91	0.35	175			
12	120.73	16.34	0.43	215			
14	118.99	16.76	0.42	210			
16	117.60	17.10	0.34	170			
18	115.85	17.54	0.44	220			
20	114.40	17.90	0.36	180			
22	113.25	18.19	0.29	145			
24	111.91	18.54	0.35	175			
26	110.37	18.93	0.39	195			
28	109.07	19.27	0.34	170			
30	107.67	19.64	0.37	185			
32	106.41	19.98	0.34	170			
34	104.83	20.40	0.42	210			
36	103.30	20.82	0.42	210			
38	101.56	21.30	0.48	240			
40	100.01	21.45	0.15	75			
42	98.45	22.17	0.72	360			
44	96.60	22.70	0.53	265			
46	95.28	23.09	0.39	195			
48	93.68	23.56	0.47	235			
50	92.43	23.93	0.37	185			
52	91.22	24.30	0.37	185			
54	89.89	24.70	0.40	200			
56	88.78	25.05	0.35	175			
58	87.42	25.47	0.42	210			

K=Conductivity

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	86.02	25.92	0.45	225			
62	84.49	26.41	0.49	245			
64	83.34	26.79	0.38	190			
66	82.20	27.17	0.38	190			
68	80.98	27.58	0.41	205			
70	79.91	27.94	0.36	180			
72	78.71	28.35	0.41	205			
74	77.51	28.77	0.42	210			
76	76.38	29.17	0.40	200			
78	75.20	29.60	0.43	215			
80	74.04	30.02	0.42	210			
82	73.05	30.39	0.37	185			
84	71.97	30.79	0.40	200			
86	70.96	31.17	0.38	190			
88	69.95	31.56	0.39	195			
90	69.05	31.91	0.35	175			
92	68.04	32.31	0.40	200			
94	67.03	32.72	0.41	205			
96	65.85	33.20	0.48	240			
98	64.50	33.75	0.55	275			
100	62.73	34.50	0.75	375			
102	60.79	35.35	0.85	425			
104	58.86	36.22	0.87	435			
106	57.17	37.00	0.78	390			
108	56.44	37.35	0.35	175			
110	—	—	1.03	258			
112	54.31	38.38					

K=Conductivity

page _____ of _____

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
114	53.93	38.57	0.19	95			
			0.02	10			
116	53.89	38.59	-0.14	-70			
118	54.18	38.45	-0.26	-130			
120	54.70	38.19	-0.19	-95			
122	55.10	38.00	0.06	30			
124	54.97	38.06	0.49	245			
126	53.98	38.55	0.11	55			
128	53.76	38.66	0.15	75			
130	53.45	38.81	0.18	90			
132	53.10	38.99	0.22	110			
134	52.66	39.21	0.23	115			
136	52.21	39.44	0.23	115			
138	51.78	39.67	0.26	130			
140	51.28	39.93	0.23	115			
142	50.84	40.16	0.24	120			
144	50.38	40.40	0.19	95			
146	50.03	40.59	0.19	95			
148	49.68	40.78	0.24	120			
150	49.24	41.02	0.75	150			
155	47.89	41.77	0.60	120			
160	46.83	42.37	0.58	116			
165	45.83	42.95	0.56	112			
170	44.88	43.51	0.49	98			
175	44.04	44.02	0.47	94			
180	43.29	44.49	0.46	92			
185	42.56	44.95	0.35	70			
190	42.00	45.30					

K=Conductivity

Date Logged: _____

 ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
195	41.81	45.43	0.13	26			
			-0.02	-20			
196	41.84	45.41	-0.07	-70			
197	41.95	45.34	-0.04	-40			
198	42.01	45.30	-0.04	-40			
199	42.07	45.26	-0.04	-40			
200	42.13	45.22	-0.05	-25			
202	42.20	45.17	-0.01	-5			
204	42.22	45.16	-0.00	0			
206	42.22	45.16	-0.06	0			
208	42.22	45.16	0.02	10			
210	42.19	45.18	0.02	10			
212	42.16	45.20	0.03	15			
214	42.11	45.23	0.03	15			
216	42.06	45.26	0.05	25			
218	41.99	45.31	0.05	25			
220	41.91	45.36	-0.04	-20			
222			-0.06	-30			
222	41.98	45.32	0.08	40			
224	42.06	45.26	0.07	35			
226	41.95	45.34	0.07	35			
228	41.83	45.41	0.07	35			
230	41.72	45.48	0.26	52			
235	41.32	45.74	-0.32	-64			Highest measured Temp
240	41.82	45.42	-0.24	-48			
245	42.19	45.18	-0.17	-34			
250	42.46	45.01	-0.07	-14			
255	42.57	44.94	0.01	2			
260	42.55	44.95					

K=Conductivity

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
265	42.54	44.96	0.01	2			
			-0.07	-14			
270	42.65	44.89					
			-0.07	-14			
275	42.76	44.82					
			-0.12	-24			
280	42.95	44.70					
			-0.10	-36			
285	43.24	44.52					
			-0.16	-32			
290	43.50	44.36					
			-0.11	-22			
295	43.68	44.25					
			-0.05	-10			
300	43.76	44.20					
			-0.07	-14			
305	43.86	44.13					
			-0.03	-6			
310	43.92	44.10					
			0.00	0			
315	43.91	44.10					
			-0.01	-2			
320	43.93	44.09					
			-0.07	-14			
325	44.05	44.02					
			-0.01	-2			
330	44.06	44.01					
			0.11	22			
335	43.89	44.12					
			0.02	4			
340	43.85	44.14					
			-0.02	-4			
345	43.89	44.12					
			-0.03	-6			
350	43.94	44.09					
			-0.04	-8			
355	43.99	44.05					
			-0.04	-8			
360	44.07	44.01					
			-0.07	-14			
365	44.17	43.94					
			-0.04	-8			
370	44.25	43.90					
			-0.02	-4			
375	44.28	43.88					
			0.01	2			
380	44.26	43.89					
			0.01	2			
385	44.24	43.90					
			0.00	0			
390	44.25	43.90					
			-0.01	-2			
395	44.26	43.89					

K=Conductivity

K-11111111111111111111

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Atr	Lithology, etc.
400	44.31	43.86	-0.03	-6			
405	44.34	43.84	-0.02	-4			
410	44.38	43.82	-0.02	-4			
415	44.40	43.80	-0.02	-4			
420	44.44	43.78	-0.02	-4			
425	44.47	43.76	-0.02	-4			
430	44.50	43.74	-0.02	-4			
435	44.53	43.72	-0.02	-4			
440	44.56	43.71	-0.01	-2			
445	44.60	43.68	-0.03	-6			
450	44.61	43.68	0.00	0			
455	44.63	43.67	0.01	-2			
460	44.61	43.68	0.01	2			
465	44.66	43.65	-0.03	-6			
470	44.65	43.65	0.00	0			
475	44.66	43.65	0.00	0			
480	44.68	43.64	-0.01	-2			
485	44.68	43.64	0.00	0			
490	44.68	43.64	0.00	0			
495	44.68	43.64	0.00	0			
500	44.68	43.64	0.00	0			
505	44.68	43.64	0.00	0			
510	44.68	43.64	0.00	0			
515	44.67	43.64	0.00	0			
520	44.66	43.65	0.01	2			
525	44.65	43.65	0.00	0			
530	44.65	43.65	0.00	0			

Date Logged: _____

ΔT Well No. _____

LITHOLOGIC LOG

Project: McCoyHole: 25-9Elevation: 5776Date Drilled 26/3/81 thru 3/5/81Location: NWSW Sec 9 T22N R40EMethod: rotary/air/ and/or mudGeologist: Avery

Gamma: _____

Depth ()	Description
0- 15'	Overburden: Edwards Creek tuff float, and Triassic basal conglomerate float in mud-silt-sand.
15- 65'	Triassic basal conglomerate (T_{RC}): Strongly cemented sub-rounded to subangular gravel and pebble size clasts of brown, reddish brown, red, gray and green chert; white gray and brown quartzite. Cement is SiO_2 , with much iron staining along clast edges, in fractures, and in cement itself. Few boulder-size clasts of chert/quartzite.
65- 75'	Same as above, with addition of rounded reddish-purple f.c. quartzite, and yellow-brown chert fragments.
75- 85'	Same as above, with appearance of reddish brown, finely crushed siltstone making up approximately 20-30 % of total sample.
85- 95'	Same as 15'-65', with quartzite clasts \approx 80% of total. rounded chert pebbles \approx 10% of total. reddish-brown siltstone \approx 10% of total.
95-125'	Same as above, but siltstone now \approx 30-40% of total.
125-155'	Same T_{RC} , with appearance of buff (orange-gray) ss pebbles, and reddish-buff silt-st. pebbles (both well-rounded/rounded) - new material \approx 25-35% of total.
155-215'	T_{RC} with finely crushed, orange-gray silty sand-st. making up between 20% and 55% of total sample in this interval. Rounded-subrounded pebbles (chert/quartzite) still constitute up to 80% of total.
215-225'	Same as above. Silty ss <20% of total now.
225-245'	T_{RC} with 80% white qtzite/qtzite conglomerate that is densely cemented, l.g. qtzite with gravel-size, subangular clasts. Iron staining on fracture faces, and some hydrous copper oxide coatings on some fragments (qtzite retains sedimentary features as opposed to older quartzites such as Valmy, etc.).

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: Avery Gamma: _____

Depth (')	Description
245-260'	Gray-orange sand-st./silty sand-st. conglomerate similar to 155-215' interval.
260-300'	T _{RC} (as before) with iron stained gravel-pebble conglomerate. Addition of a few limestone pebble-size fragments (angular). Some larger fragments of conglomerate (chert-quartzite) in last 20'.
300-320'	Chert T _{RC} conglomerate (60-40%), orange gray silty ss (as in 245-260') (40-60%).
320-330'	90% chert pebble conglomerate (T _{RC}). One clast shows FeS ₂ , CuFeS ₂ mineralization (as granular coating on pebble and as stringer vein through pebble).
330-350'	T _{RC} with orange-gray silty ss as in 300-320'. Percent of silty ss drops from 50% to 20% over this interval.
350-360'	80% qtzite chert/qtzite pebble conglomerate: (T _{RC}).
360-390'	Same as 330-350'
390-410'	90% gravel-pebble-boulder chert/qtzite conglomerate: (T _{RC}), 10% silty ss.
410-420'	Gravel size chert/qtzite conglomerate with qtzite (35%): (T _{RC}).
420-440'	Gray-orange silty ss (35%), chert/qtzite conglomerate (65%): (T _{RC}).
440-450'	Same T _{RC} conglomerate with CuFeS ₂ , bornite, pyrite mineralization as granular fracture fillings, coatings, stringers in pebbles of qtzite. Few green/red banded chert clasts.
450-500'	T _{RC} (as before) with up to 50% orange-gray ss sand. (m.g., subrounded grains). Purple color to some conglomerate fragments. Color of ss becomes darker throughout interval.

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth (ft) Description

500-560'	T _{rc} (as before but now all gravel size subrounded to subangular clasts of chert and quartzite with 20-60% orange-gray silty sandstone).
560-580'	T _{rc} as before but now 70% quartzite; 20% silty-ss; 10% chert gravels and pebbles.
580-620'	T _{rc} as before but no orange-gray silty ss.
620-640'	T _{rc} as before with 5-30% silty ss.
640-650'	T _{rc} pebble conglomerate (chert & quartzite about 30-50%).
650-720'	T _{rc} chert, quartzite, and dark brown to reddish brown silicified siltstone gravels and pebbles, rounded to angular, with varying ratios of up to 40% siltstone, 60% quartzite.
720-730'	90% reddish dk. brown silicified siltstone. 10% gravels (T _{rc}).
730-760'	T _{rc} silicified siltstone as above with a siltstone/chert gravel conglomerate in a siltstone matrix (up to 70% matrix).
760-780'	T _{rc} chert/qtzite pebble-gravel conglomerate with siltstone.
780-790'	T _{rc} as above w/20% silt-st. pebbles. Pyrite and chalcopyrite? As granular fracture fillings, coatings.
790-800'	Quartzite: v.f.g. w/distinct black grains in otherwise white quartzite w/blebs or nodules of black, sulfide-rich silicified siltstone.
800-820'	T _{rc} chert/qtzite pebble-gravel conglomerate w/minor pyrite (granular).
820-840'	T _{rc} as before but no mineralization.

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: Avery

Gamma: _____

Depth (ft) Description

840-850'	Trc as before with 20% brown silicified silt-st.
850-880'	Quartzite: f.c. to l.g., dense, well-cemented (gray). Very minor sulfide mineralization (pyrite) as before. Trc
880-900'	30% quartzite as above, 60% dk. gray, dense, silicified silt-st. Slight effervescence in dilute HCl, with minor sulfide mineralization as granular coatings and in stringers. Very few chips of gray ls with dk. gray silt-st. inclusions (silt-st. slightly calcareous).
900-920'	20% gray Ls, (hardness $\approx 2 \frac{1}{2}$); 30% gray-dk. gray calcareous silt-st., (hardness $\approx 2 \frac{1}{2}$ -3); gray-lt. gray calcareous ss (hardness $\approx 4 \frac{1}{2}$) and a f.c. silty ss make up 50% of total. Trc
920-940'	As above, with 50% of total sample comprised of dense, gray, non-calcareous quartzite (hardness ≈ 6 -7). Trc
940-960'	Quartzite, as above with 50% qtzite/chert gravel conglomerate.
960-970'	30-40% reddish-brown silicified silt-st., some with calcite stringer veins (H ≈ 4), 50-60% gray, dense, f.c. quartzite (some brownish-gray) (H 6) and about 10% chert/quartzite gravel conglomerate. Minor sulfides (granular pyrite c-pyrite).
970-980'	90% mottled and banded lt. gray - v. dk. gray calcareous silt-st. (H $\approx 2 \frac{1}{2}$ to $3 \frac{1}{2}$). Some fragments have f.c. appearance. Minor sulfides as granular fracture fillings, veinlets? 10% or less silt-st. as before. Trc
980-990'	80% gray-dk. gray f.g-f.c. quartzite w/minor sulfides as before. 20% chert/qtzite gravel conglomerate w/minor sulfides as before. Trc

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (ft)	Description
990-1090'	30-90% chert/qtzite subrounded-subangular gravel conglomerate with green, gray, brown chert and gray qtzite (as before, T _{RC}) 10-70%. F.g.-f.c. gray quartzite.
1090-1100'	40-50% conglomerate as above; 60-50% orange-gray sandy silt-st.
1100-1200'	30-50% greenish gray chert, rounded-angular pebble-gravel size chips-clasts. 30-50% gray, brownish-gray f.g. qtzite; 10-40% silty ss (orange-gray). T _{RC}
1200-1440'	50-95% chert, qtzite, chert/qtzite conglomerate (T _{RC}) as before. 5-50% buff, orange-gray or lt. brown-tan silty ss to sandy ss. Appearance of purple/red-gray qtzite, conglomerate. T _{RC}
1440-1460'	60-70% tan-lt. brown sandy silt-st. 30-40% gravel conglomerate. T _{RC}
1460-1540'	40-80% gravel-pebble (T _{RC}) conglomerate. Mostly v.f. gravels, rounded-angular. 20-60% orange-gray to lt. brown silty-ss and sandy silt-st.
1540-1600'	Chocolate-brown qtzite/chert gravel-pebble conglomerate (60% of total). Brown silty-ss, orange-gray sandy ss (40%). T _{RC}
1600-1620'	80-100% chert/qtzite conglomerate w/bedded chert (angular chert clasts 40%).
1620-1640'	50% reddish-purple, silicified, subrounded to rounded silt-st. pebbles and finely crushed silt-st. containing large angular quartz phenocrysts. Many pebbles are graywacke (clay/silt-st. matrix with quartz phenocrysts - see sample!). 30-40% T _{RC} conglomerate as before. 10-20% grayish green qtzite and chert. Havallah Formation.
1640-1650'	Fault zone: about 2% of total is greenish-white, soft (H < 2), w/greasy feel, splintery soapstone (tall and/or other clay minerals). Does not expand when heated. 40%

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (ft)

Description

1650-1660 brown, lt. brown, red-brown, white, gray v.f.g. qtzite. 58% (!) red-purple silicified siltstone conglomerate or fault breccia with very angular clasts of chert, qtzite, and silt-st. Many have calcite veins, caps. Calcite shows stress in curved cleavage faces.

1660-1690 As above, but no clay minerals present. Few pebbles of graywacke with micaceous flakes (muscovite). Appearance of green/lime-green chert w/iron staining (PPh?). (Note: basal T_{RC} unit mapped east of 864-90 contains siltstones and conglomerates with identical micaceous flakes).

1690-1740 As above (1640-1660), but increasing amount of green, green w/red iron stains on micro-fractures chert (20-75% of total). Fault breccia still present (10-50%). Very little graywacke (PPh).

1740-1750 As above with 30-60% green, gray, dk. green chert. 20-30% silty graywacke which is now slightly calcareous and has pheocrysts of qtzite (no micaceous flakes). 0-10% brown qtzite (f.g.).

1750-1880 No sample.

1880-2000 40-80% green-gray chert as angular gravel size chips. 15-45% reddish brown-purple silicified siltstone gravel size chips. 5-30% gray brown quartzite gravel size chips (P_{ph}). 5-30% graywacke (calcareous w/SiO₂ phenocrysts - not micaceous).

80-90% chert and dark purple/brown silicified silt-st.; 10-20% buff to gray quartzite; occasional rock fragments of T_{RC} chert gravel-pebble conglomerate from uphole - very iron-stained.

(Note: Both the chert (green, lime-green, dk. green iron stained on micro-fractures green) and the silicified silt-st. (dark reddish-purple brown to reddish orange to gray-orange) were mapped as outcrops and low "rubble" hills 1-2 miles east of 25-9 and 1-3 miles east of 864-90. Hand samples of these PP Havallah sequence rocks are available - see Avery's rock collection!).

LITHOLOGIC LOG

Project: 864Hole: 38-9Elevation: 5169Date Drilled: 16/4/81 thru 9/5/81Location: SESW Sec 9 T23NR40EMethod: rotary/airGeologist: Avery

Gamma: _____

Depth (')	Description
0-15'	Orange-gray silty sandstone, partly silicified, alteration (clay) present, brecciated and containing iron veinlets and staining (50%). Chert-gray/pebble (T _{RC}) conglomerate in silica matrix. Iron-stained.
15-25'	Broken, brecciated, altered (clay) T _{RC} ? silicified silt-st., sandstone, chert congl. Drillers (Pat Edwards) say that rock is fractured, poor drilling. Iron-stained.
25-45'	30-50% of original rock (Ls?) is totally replaced with silica. Some T _{RC} conglomerate (<5%). 50-70% brown, white, gray F-m.g. quartzite.
45-55'	Same. Chips are smaller. Some chert. Strongly iron-stained formation. 20% silty sandstone of an orange-gray color.
55-65'	As above, with 50% T _{RC} chert/qtzite silica cemented conglomerate and 5-45% silty-sandstone of orange-gray color.
65-75'	As above, with 20-60% conglomerate and coarse sandstone. Very iron-stained.
75-85'	As above, w/clay alteration and brecciated conglomerate, chert. Fault?
85-115'	Same as 65-75'.
115-135'	85% chert/qtzite gravel-pebble conglomerate. 10% orange-gray silty-ss matrix of conglomerate? 5% gray-white m.g. qtzite.
135-155'	Very silicified conglomerate as above w/fault breccia & silic. Ls? - original rock totally replaced with silica. Very iron-stained. One fragment with cinnabar. 5-20% silty ss, 20% quartzite.
155-175'	Same as above, but now all silicified rock (Ls?) - no conglomerate, some breccia. Another cinnabar fragment. Iron-stained. Silty ss < 10%.
175-185'	Same as above with 30% f-mg. White-buff qtzite.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
185-215'	Appearance of tan, buff, brown and orange white-gray F.M.G. qtzite. Many chips have black spotty appearance due to pheonocrysts (coarse sand grains). $H \approx 7$. 60-80% total (congl., silicified congl. Ls 20-40%) .
215-225'	60% orange-gray F.M.G. ss. 40% above. (silty-ss too).
225-235'	As above, but ss is siltier, and is sometimes a silty ss congl. with gravel size clasts of chert, 5% red silt st (silicified). Ss is orange-gray to lt. brown.
235-245'	Same as above.
245-255'	Same as above. 50% ss, ss congl.
255-265'	Same as above. 80% ss.
265-275'	Same as above. Some of ss is stained a flamingo pink-red. Mercury?
275-285'	50% tan-gray fg-mg qtzite ($H \approx 7$). 50% congl./silicified Ls.
285-295'	80% gravel-pebble congl. in orange-gray silic. silty ss. Maxtrix.
295-307'	50% gravel-pebble congl. in orange-gray silic. silty ss or silicified. 50% qtzite, brown-orange gray interbedded w/reddish brown silt. st.
307-320'	Red siltstone w/thin interbeds, laminae of tan qtzite as above. 5% green chert angular chips. (PPh).
320-330'	As above with 40-50% red siltst (silic). 30-35% tan-orange qtzite. 15-20% green chert. (PPh).
330-340'	60% gray silicified Ls. No effervescence in acid. Grain size is too small to see w/hand lens and silt. effervescence when scratched. 40% orange gray-brown ss.
340-350'	60-70% orange-gray-brown silty ss. 30-40% gray ss as above.

LITHOLOGIC LOG

Project: 864

Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
350-360'	40% interbedded, thinly bedded orange-gray-brown silty ss. 60% gray-dk. gray chert gravel highly silicified congl. w/rounded-angular chasts.
360-370'	Same as above, but was 80% congl. Very tightly silicified clasts "melted" into each other.
370-380'	70% very silicified conglomerate. 30% brown-orange-gray silty ss. Looks like trc. Two chips have cinnabar xls.
380-390'	Same as above but now 70% orange-gray silty ss. 30% congl.
390-400'	90% orange-gray to brown silty ss; & ss (f-mg), 10% conglomerate.
400-410'	90% iron-stained, gray silicified Ls, silty ss, orange-gray, 10% conglomerate.
410-420'	50% orange-gray ss (fg), 50% dense, gray silicified Ls or calcareous silt-st.
420-430'	80% dense, gray silic. calc. siltst. or Ls.
430-440'	Dense gray-dk. gray (bedded) siltst. and day st. (H=4). Some is silicified. Few Qtz. w/sulfide picas.
440-450'	Same as above.
450-460'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
460-470'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
470-480'	Brown appearance of red silic. siltst.
480-490'	Brown, brown, brownish green-gray siltst. silty ss, but some iron-stained silty ss. Some of it is conglometric.
490-500'	" " " " " "
500-510'	Gray f.g. ss, silty ss, clayst. siltst. (silicified) fractured, iron-stained.

LITHOLOGIC LOG

Project: 864

Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth ()	Description
510-520'	Same as above, but now 50% gravel chert silicified congl.
520-530'	60% gray fg ss, silic. siltstone is gray-reddish gray-silic claystone is white-greenish gray while 40% congl.
530-540'	Dk. gray chert/qtzite gravel congl. Very dense. Silicified. Sulfides occur as granular fracture fillings, coatings, pyrite, c/pyrite, others. Most clasts are well-rounded to subrounded.
540-550'	Lt. gray - gray fg quartzite.
550-560'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
560-570'	Gray-brownish gray fg qtzite (60%) red silicified silt. st. (40%)
570-580'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
580-590'	Gray-dk. gray chert and qtzite (Fe) sulfides (minor).
590-600'	Gray, thinly bedded vfg qtzite, some silica silt. st., v. minor chert, sulfides (v. minor).
600-610'	Gray-red silicified siltstone, ss, and claystone.
610-620'	Gray-brownish gray fg-vfg qtzite, some silica silt. st., chert (v. minor sulfides)
620-630'	Gray-dk. gray qtzite (fg), chert, and qtzite (chert congl. sulfides).
630-640'	Same but mostly conglomerate (chert/qtzite rounded-angular pebbles).
640-650'	Same as 600-620 - congl. w/sulfides interval 6.
650-660'	95% red silicified silt. st., qtzite (fg)
660-670'	85% " " " "
670-680'	60% " " " "

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
680-690'	Same as 600-610', mostly gray chert, qtzite (fg) 10-15% red silt. st.
690-700'	Same as 600-610' with gray qtzite, green-gray chert, and chert congl.
700-710'	" " " " "
710-720'	" " " " "
720-730'	Same as 600-610'
730-740'	Gray silicified siltstone ss, greenish gray chert, iron-staining.
740-750'	Brownish gray qtzite, red silt. st., chert qtzite congl. (20%).
750-760'	Cong., chert, qtzite, 15% red silic. silt. st.
760-770'	Chert, qtzite, congl., minor sulfides.
770-780'	Chert, qtzite, congl., minor sulfides.
780-790'	Same as 750-760' 10% silt. st.
790-800'	" " mostly qtzite.
800-810'	" " w/buff qtzite, green chert, gray-brown qtzite, red silt. st. (5%).
810-820'	Same as above. No buff qtzite.
820-830'	Chert, congl.
830-840'	" " some minor sulfides.
840-850'	Chert, congl., red silt. st. (30-40%).
850-860'	" " " (40-50%).
860-870'	Chert, congl., buff iron-stained qtzite (25%).
870-880'	" " " " (40%) w/orange-gray ss congl. (30%).

LITHOLOGIC LOG

Project: 864

Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
880-890'	Green-gray chert congl.
890-900'	Mostly brownish-gray chert. 30% congl.
900-910'	" " " "
910-920'	Chert, congl. 50-56
920-930'	as in 890-900.
930-950'	Clear, brown, green chert, gray-brown fg ss minor sulfides w/FeS.
930-940'	Gray, brown-gray, dk. gray chert, qtzite; minor sulfides.
940-950'	Gray, brown-gray, with some red chert. Minor sulfides.
950-960'	Same as above.
960-970'	Same as above 5% red sulfides (minor pyrite).
970-980'	" " " " "
980-990'	" " " " "
990-1000'	" " red chert ≈20% sil. red silt. st. 5%, congl. 20% and/or breccia.
1000-1010'	Same as above, 10% sulfides, congl. 20% and/or breccia.
1010-1020'	Same, no red chert, mostly grayish chert, sulfides, and/or breccia.
1020-1030'	" " " "
1030-1040'	" " " "
1040-1050'	" " " "
1050-1060'	Mostly cong. (green chert, gray-brown qtzite pebbles, gravels). Sulfides.

LITHOLOGIC LOG

Project: 864
 Hole: 38-9

Elevation: _____ Date Drilled: _____
 Location: _____ Method: _____
 Geologist: _____ Gamma: _____

Depth ()	Description
1060-1070'	Same but more alteration, breccia. Iron-staining, sulfides less.
1070-1080'	Mostly green-gray chert, & brown chert w/ congl., sulfides.
1080-1090'	Iron-stained chert, qtzite, very little sulfides.
1090-1100'	Iron-stained chert, qtzite, very little sulfides.
1100-1110'	Iron-stained chert, qtzite, very little sulfides.
1110-1120'	Gray-brown-green chert qtzite, minor sulfides & congl.
1120-1130'	" " " "
1130-1140'	" " " "
1140-1150'	" " " "
1150-1160'	Same as 1110-1150' minor sulfides.
1160-1170'	Same as 1110-1150' minor sulfides.
1170-1180'	Same as 1110-1150' minor sulfides.
1180-1190'	Same as 1110-1150' no sulfides.
1190-1200'	More reddish brown F.C. qtzite, chert congl. No sulfides.
1200-1210'	Same as above.
1210-1220'	Mostly brown-gray-green chert (90%). No sulfides.
1220-1230'	Chert, qtzite, no sulfides.
1230-1240'	Same as above
1240-1250'	Same as above
1250-1260'	Same as above

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (')	Description
1260-1270'	Same as above
1270-1280'	Same as above w/minor sulfides (minor pyrite).
1280-1290'	Same as above.
1290-1300'	Same as above.
1300-1310'	plus, silicified siltst. (red): 20% of total.
1310-1320'	Same as above, no sulfides.
1320-1330'	Same as above.
1330-1340'	Gray-green chert, orange-gray-brownish-gray-reddish-brown Qtzite, red silic-silt. st. and 40-50% chert gravel congl., <u>v. minor</u> sulfides as FeS ₂ .
1340-1350'	As above.
1350-1360'	Gray-reddish brown Qtzite (60%), gray-green chert (20%), chert congl. (20%).
1360-1370'	Chert; Qtzite - gray, brown, red, green, yellow, clear.
1370-1380'	" " " "
1380-1390'	Reddish-brown silicified siltstone, silty-Qtzite, silt. st. congl. w/some red chert.
1390-1400'	as above, w/ 10% green chert.
1400-1410'	Green chert (iron-stained), brown Qtzite, red silic. silt. st.
1410-1420'	Dk. gray-green chert, Qtzite as above, <u>fault breccia</u> only and chert congl., minor sulfide as FeS, red silic. silt. st.
1420-1430'	As above, no silt. st.

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

864-65

ΔT Well No. 25-9

Property-Project McCoy Depth Logged 600m
 Map _____ Scale 7 1/2 Date: Drilled 5-2-81 Logged 8-5-81
 State NV County Churchill of _____ of NW of SW of Sec 9 T22N R 40E
 Instrument #46 Operator JED Elevation _____ (ft/m)
 Comments 2 7/8 pipe Filled with H2O hung in open hole. Temps From upper 90 m of hole Taken on 5-15-81

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	6508	05	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
9.05 KM S	WHITEHORSE MINE	JED	DP	02 05 81

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

Card B

Map Location * *

Scale Unit CM Map Size 7.5 N Lat 39.45.0 W Long 117.30.0

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

Use decimals

Use decimals

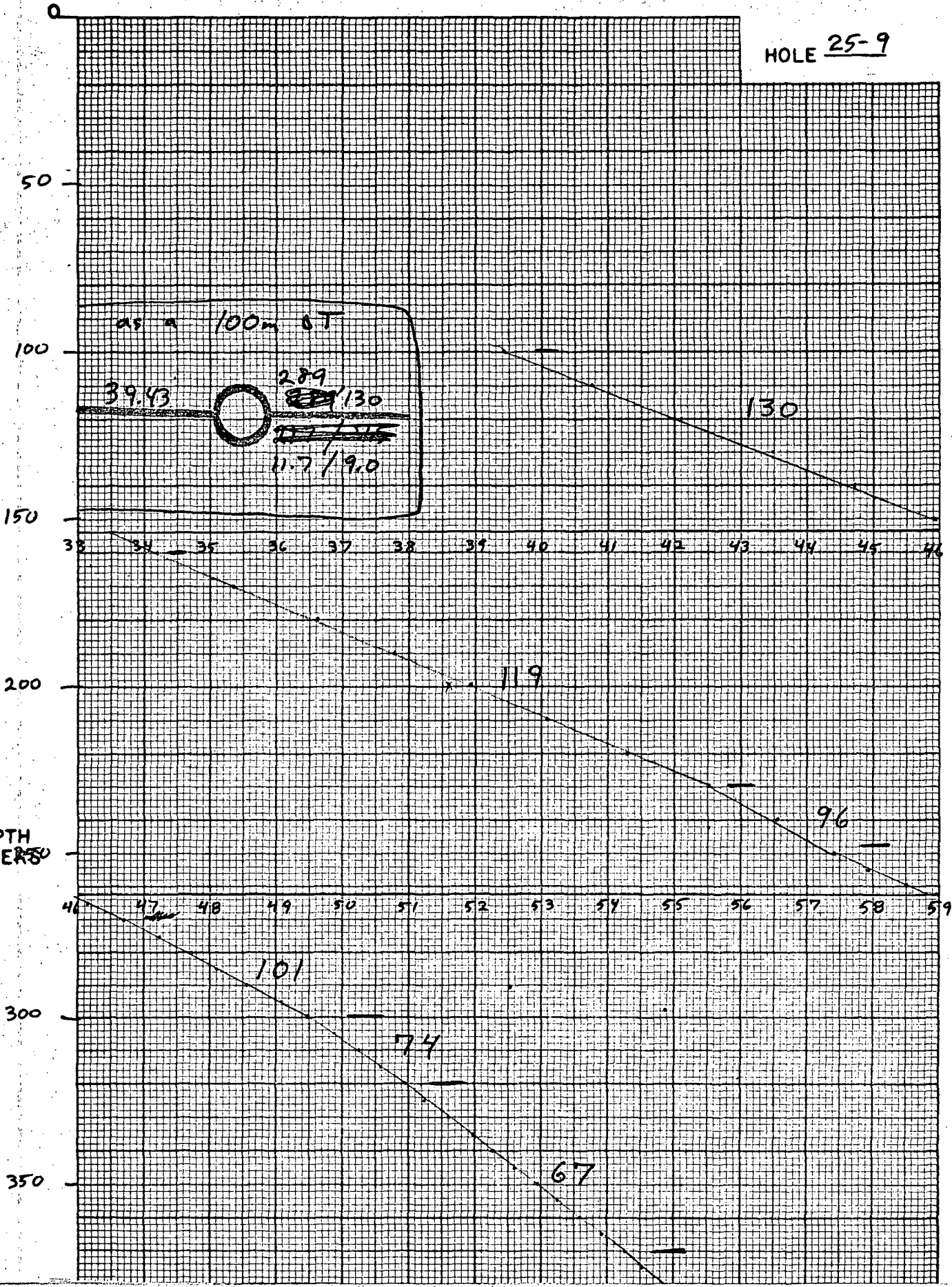
Write M if meters

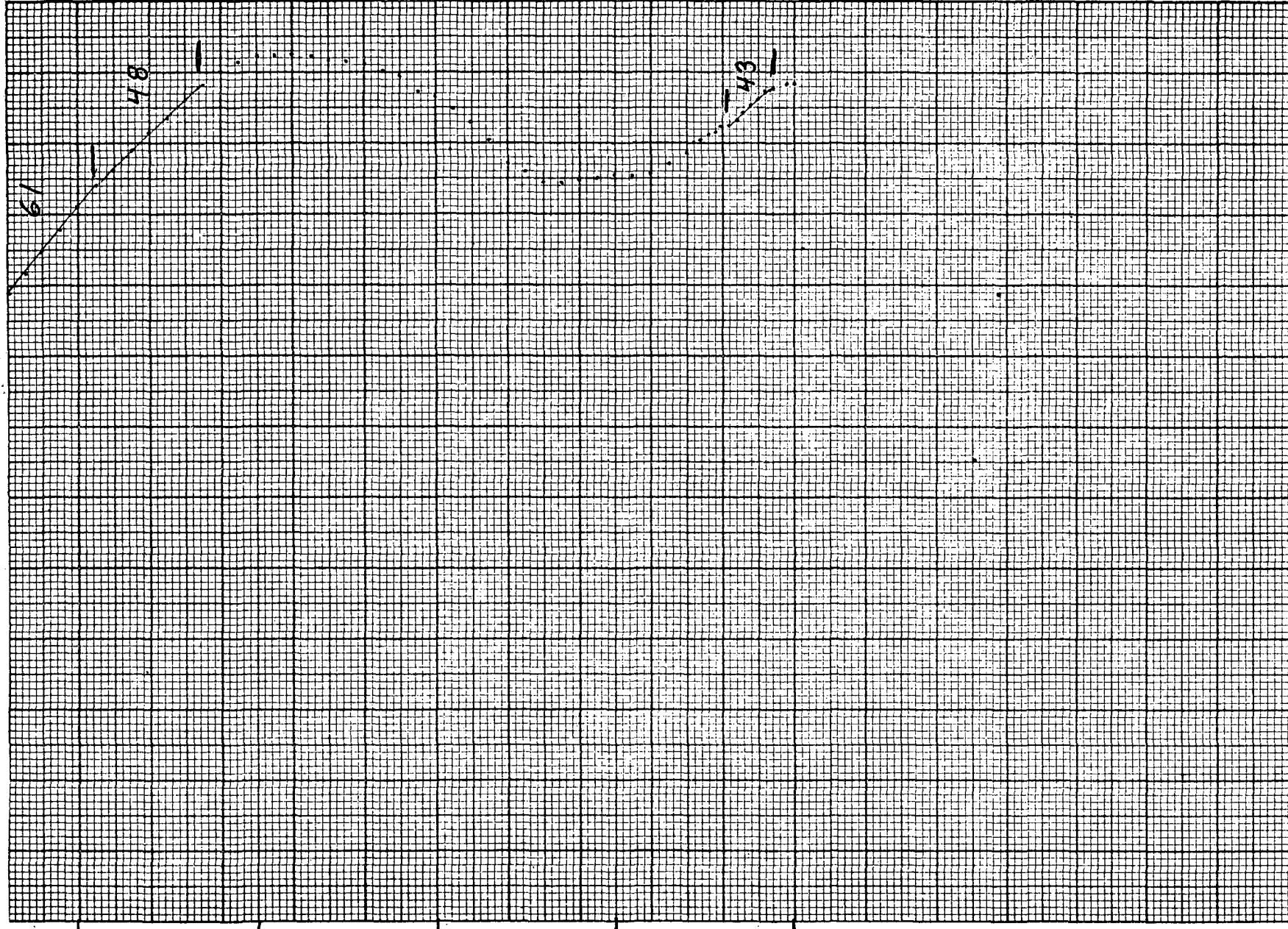
Use decimals

Segment	Start	End	Conductivity K	ΔK
Segment 1	100.0	160.0	-9.0	-0.5
Segment 2	160.0	230.0		
Segment 3	230.0	250.0		
Segment 4	250.0	300.0		
Segment 5	300.0	320.0		
Segment 6	320.0	370.0		
Segment 7	370.0	405.0		
Segment 8	405.0	435.0		
Segment 9				

HOLE 25-9

DEPTH METERS





400

450

500

550

600

DEPTH
METERS

59

60

61

62

63

64

65

66

67

68

69

70

71

72

TEMPERATURE °C

61

69

67

72

71

70

69

68

67

66

65

64

63

62

61

60

Date Logged: _____

ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200	33.30	51.60					Cable in .0973 out .1309
250	26.94	57.42	5.82				
255	26.42	57.96	0.54	108			
260	25.90	58.51	0.55	110			
265	25.30	59.16	0.65	130			
270	24.81	59.70	0.54	108			
275	24.32	60.26	0.56	112			
280	23.92	60.72	0.46	92			
285	23.61	61.09	0.37	74			
290	23.23	61.54	0.45	90			
295	22.77	62.10	0.56	112			
300	22.47	62.47	0.27	54			
305	22.15	62.87	0.40	80			
310	21.85	63.26	0.39	78			
315	21.60	63.59	0.33	66			
320	21.33	63.94	0.35	70			
325	21.11	64.23	0.29	58			
330	20.84	64.60	0.34	72			
335	20.57	64.97	0.37	74			
340	20.35	65.27	0.30	60			
345	20.11	65.61	0.34	68			
350	19.87	65.95	0.34	68			
355	19.65	66.26	0.31	62			
360	19.41	66.61	0.35	70			
365	19.20	66.92	0.31	62			
370	18.97	67.27	0.35	70			
375	18.80	67.53	0.26	52			

K=Conductivity

Date Logged: _____

AT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
380	18.56	67.89	0.36	72			
385	18.37	68.19	0.30	60			
390	18.18	68.49	0.30	60			
395	18.00	68.77	0.28	56			
400	17.80	69.09	0.32	64			
405	17.61	69.40	0.31	62			
410	17.48	69.61	0.21	42			
415	17.31	69.89	0.28	56			
420	17.17	70.13	0.26	52			
425	17.03	70.36	0.23	46			
430	16.90	70.59	0.23	46			
435	16.76	70.83	0.24	48			
440	16.66	71.00	0.17	34			
445	16.58	71.14	0.14	28			
450	16.54	71.21	0.07	14			
455	16.53	71.23	0.02	4			
460	16.52	71.24	0.01	2			
465	16.53	71.23	-0.01	-2			
470	16.56	71.17	-0.06	-12			
475	16.58	71.14	-0.03	-6			
480	16.60	71.10	-0.04	-8			
485	16.64	71.03	-0.07	-14			
490	16.69	70.95	-0.08	-16			
495	16.76	70.83	-0.12	-24			
500	16.86	70.65	-0.18	-36			
505	16.96	70.48	-0.17	-34			
510	17.07	70.30	-0.18	-36			

K=Conductivity

page _____ of _____

Date Logged: _____

 ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
515	17.21	70.06	-0.24	-48			
520	17.36	69.81	-0.35	-70			
525	17.49	69.60	-0.21	-42			
530	17.58	69.45	-0.15	-30			
535	17.58	69.45	0.00	0			
540	17.57	69.47	0.02	4			
545	17.54	69.51	0.04	8			
550	17.52	69.55	0.04	8			
555	17.52	69.55	0.00	0			
560	17.50	69.58	0.03	6			
565	17.42	69.71	0.13	26			
570	17.32	69.88	0.17	34			
572	17.24	70.01	0.13	65			
574	17.21	70.06	0.05	25			
576	17.17	70.13	0.07	35			
578	17.15	70.16	0.03	15			
580	17.12	70.21	0.05	25			
582	17.10	70.25	0.04	20			
584	17.06	70.31	0.06	30			
586	16.99	70.43	0.12	60			
588	16.93	70.53	0.10	50			
590	16.88	70.62	0.09	45			
592	16.83	70.71	0.09	45			
594	16.80	70.76	0.05	25			
596	—	—	0.08	20			
598	16.75	70.84					
600	16.74	70.86	0.04	20			

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

864-62

ΔT Well No. 38-9

Property-Project McCoy Depth Logged 620m

Map Gilbert Ck SW, Scale 7 1/2 Date: Drilled 5-21-81 Logged 7-31-81

State NV County Churchill of SE of SW of Sec 9 T 23N R 40E

Instrument # 46 Operator JED Elevation _____ (ft)

Comments 2 3/8" H2O Filled steel pipe in open 6 1/4" hole

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
B64	62	31	07	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	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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
0.35 KM N MCCOY MINE	JED/DP	21	05	81

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

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	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	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	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	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	117.30	0

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	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
55.55	4.09

Use decimals

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

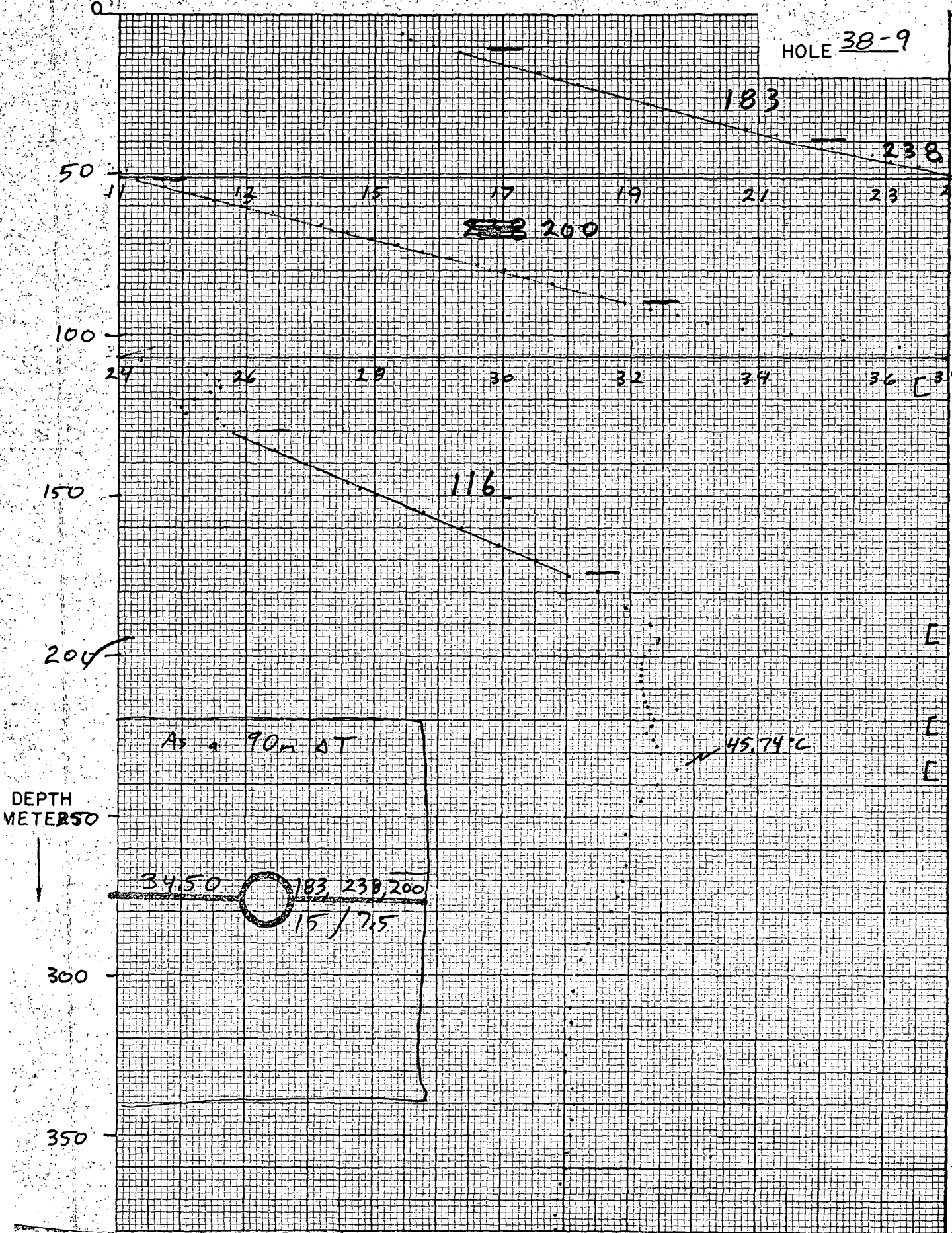
Write M if meters

Segment	Start	End	Conductivity K	ΔK	Best cond. (-K)
Segment 1 = Depths	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	40.0		
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	40.0	52.0		
Segment 3		52.0	90.0	-7.5	-0.5
Segment 4		90.0	130.0		
Segment 5		130.0	175.0		
Segment 6		175.0	195.0		
Segment 7		195.0	620.0		
Segment 8		620.0	999		
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				

Downward extrapolations (-ΔK)

HOLE 38-9

Chert pebble cong, quartzites, siltstones



183

238

11 13 15 17 19 21 23 24

~~200~~ 200

100

24 26 28 30 32 34 36 37

150

116

200

As a 90m ΔT

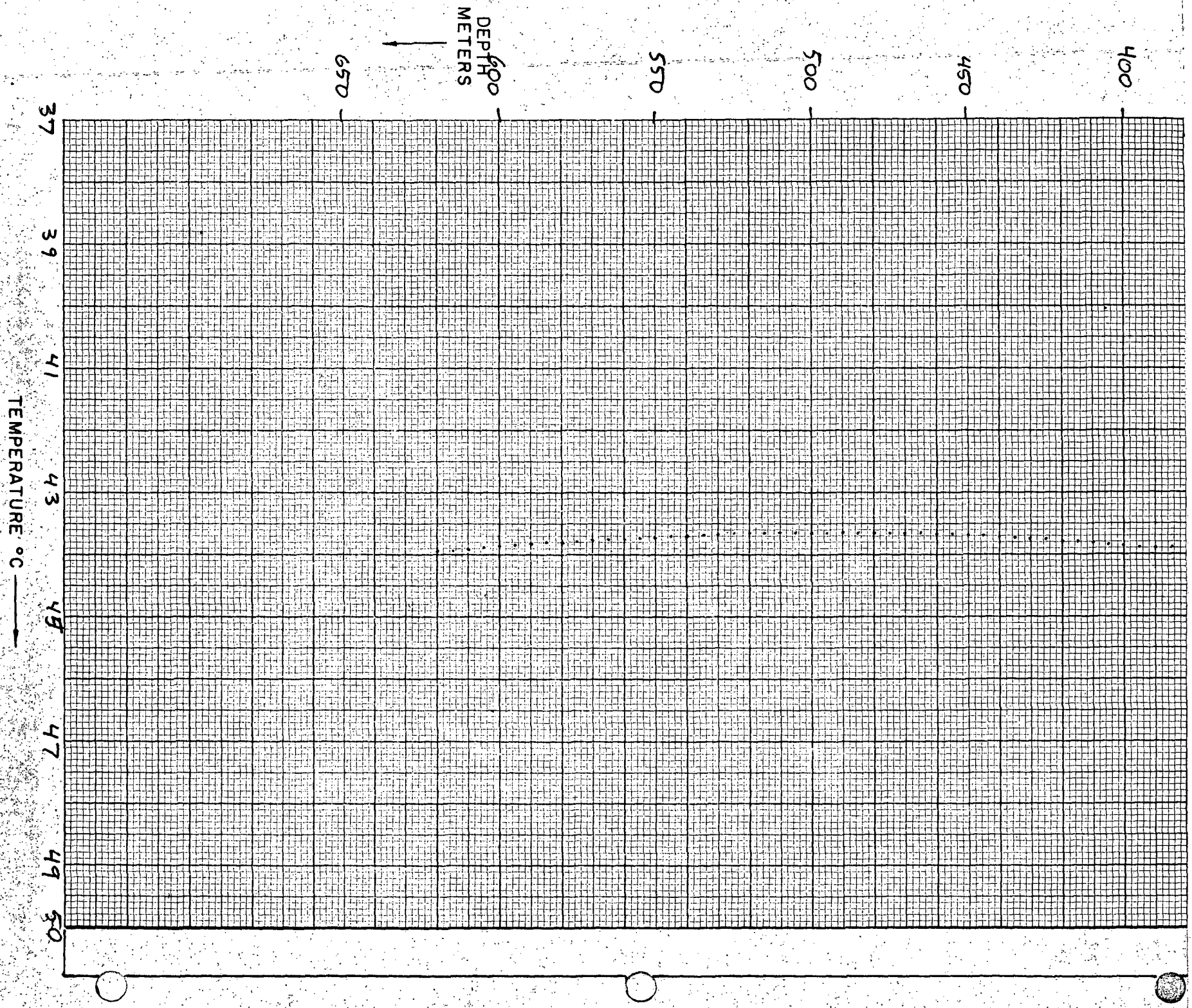
45.74°C

DEPTH METERS

34.50 183, 238, 200
15/7.5

300

350



Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	86.02	25.92	0.45	225			
62	84.49	26.41	0.49	245			
64	83.34	26.79	0.38	190			
66	82.20	27.17	0.38	190			
68	80.98	27.58	0.41	205			
70	79.91	27.94	0.36	180			
72	78.71	28.35	0.41	205			
74	77.51	28.77	0.42	210			
76	76.38	29.17	0.40	200			
78	75.20	29.60	0.43	215			
80	74.04	30.02	0.42	210			
82	73.05	30.39	0.37	185			
84	71.97	30.79	0.40	200			
86	70.96	31.17	0.38	190			
88	69.95	31.56	0.39	195			
90	69.05	31.91	0.35	175			
92	68.04	32.31	0.40	200			
94	67.03	32.72	0.41	205			
96	65.85	33.20	0.48	240			
98	64.50	33.75	0.55	275			
100	62.73	34.50	0.75	375			
102	60.79	35.35	0.85	425			
104	59.86	36.22	0.87	435			
106	57.17	37.00	0.78	390			
108	56.44	37.35	0.35	175			
110	—	—	1.03	258			
112	54.31	38.38					

K=Conductivity

Date Logged: _____

AT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
114	53.93	38.57	0.19	95			
116	53.89	38.59	0.02	10			
118	54.10	38.45	-0.14	-70			
120	54.70	38.19	-0.26	-130			
122	55.10	38.00	-0.19	-95			
124	54.97	38.06	0.06	30			
126	53.98	38.55	0.49	245			
128	53.76	38.66	0.11	55			
130	53.45	38.81	0.15	75			
132	53.10	38.99	0.18	90			
134	52.66	39.21	0.22	110			
136	52.21	39.44	0.23	115			
138	51.78	39.67	0.23	115			
140	51.28	39.93	0.26	130			
142	50.84	40.16	0.23	115			
144	50.38	40.40	0.24	120			
146	50.03	40.59	0.19	95			
148	49.68	40.78	0.19	95			
150	49.24	41.02	0.24	120			
155	47.89	41.77	0.75	150			
160	46.83	42.37	0.60	120			
165	45.83	42.95	0.58	116			
170	44.88	43.51	0.56	112			
175	44.04	44.02	0.49	98			
180	43.29	44.49	0.47	94			
185	42.56	44.95	0.46	92			
190	42.00	45.30	0.35	70			

K=Conductivity

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
195	41.81	45.43	0.13	26			
			-0.02	-20			
196	41.84	45.41	-0.07	-70			
197	41.95	45.34	-0.04	-40			
198	42.01	45.30	-0.04	-40			
199	42.07	45.26	-0.04	-40			
200	42.13	45.22	-0.05	-25			
202	42.20	45.17	-0.01	-5			
204	42.22	45.16	-0.00	0			
206	42.22	45.16	0.00	0			
208	42.22	45.16	0.02	10			
210	42.19	45.18	0.02	10			
212	42.16	45.20	0.03	15			
214	42.11	45.23	0.03	15			
216	42.06	45.26	0.05	25			
218	41.99	45.31	0.05	25			
220	41.91	45.36	-0.04	-20			
222 220	41.98	45.32	-0.06	-30			
224	42.06	45.26	0.08	40			
226	41.95	45.34	0.07	35			
228	41.83	45.41	0.07	35			
230	41.72	45.48	0.26	52			
235	41.32	45.74	-0.32	-64			Highest measured Temp
240	41.82	45.42	-0.24	-48			
245	42.19	45.18	-0.17	-34			
250	42.46	45.01	-0.07	-14			
255	42.57	44.94	0.01	2			
260	42.55	44.95					

K=Conductivity

Page _____ of _____

Date Logged: _____

AT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
265	42.54	44.96	0.01	2			
270	42.65	44.89	-0.07	-14			
275	42.76	44.82	-0.07	-14			
280	42.95	44.70	-0.12	-24			
285	43.24	44.52	-0.10	-36			
290	43.50	44.36	-0.16	-32			
295	43.68	44.25	-0.11	-22			
300	43.76	44.20	-0.05	-10			
305	43.86	44.13	-0.07	-14			
310	43.92	44.10	-0.03	-6			
315	43.91	44.10	0.00	0			
320	43.93	44.09	-0.01	-2			
325	44.05	44.02	-0.07	-14			
330	44.06	44.01	-0.01	-2			
335	43.89	44.12	0.11	22			
340	43.85	44.14	0.02	4			
345	43.89	44.12	-0.02	-4			
350	43.94	44.09	-0.03	-6			
355	43.99	44.05	-0.04	-8			
360	44.07	44.01	-0.04	-8			
365	44.17	43.94	-0.07	-14			
370	44.25	43.90	-0.04	-8			
375	44.28	43.88	-0.02	-4			
380	44.26	43.89	0.01	2			
385	44.24	43.90	0.01	2			
390	44.25	43.90	0.00	0			
395	44.26	43.89	-0.01	-2			

K=Conductivity

Date Logged: _____

AT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Atr	Lithology, etc.
400	44.31	43.86	-0.03	-6			
405	44.34	43.84	-0.02	-4			
410	44.38	43.82	-0.02	-4			
415	44.40	43.80	-0.02	-4			
420	44.44	43.78	-0.02	-4			
425	44.47	43.76	-0.02	-4			
430	44.50	43.74	-0.02	-4			
435	44.53	43.72	-0.02	-4			
440	44.56	43.71	-0.01	-2			
445	44.60	43.68	-0.03	-6			
450	44.61	43.68	0.00	0			
455	44.63	43.67	-0.01	-2			
460	44.61	43.68	0.01	2			
465	44.66	43.65	-0.03	-6			
470	44.65	43.65	0.00	0			
475	44.66	43.65	0.00	0			
480	44.68	43.64	-0.01	-2			
485	44.68	43.64	0.00	0			
490	44.68	43.64	0.00	0			
495	44.68	43.64	0.00	0			
500	44.68	43.64	0.00	0			
505	44.68	43.64	0.00	0			
510	44.68	43.64	0.00	0			
515	44.67	43.64	0.00	0			
520	44.66	43.65	0.01	2			
525	44.65	43.65	0.00	0			
530	44.65	43.65	0.00	0			

K=Conductivity

name

LITHOLOGIC LOG

Project: McCoyHole: 25-9Elevation: 5776Date Drilled 26/3/81 thru 3/5/81Location: NWSW Sec 9 T22N R40EMethod: rotary/air/ and/or mudGeologist: Avery

Gamma: _____

Depth ()	Description
0- 15'	Overburden: Edwards Creek tuff float, and Triassic basal conglomerate float in mud-silt-sand.
15- 65'	Triassic basal conglomerate (T_{RC}): Strongly cemented sub-rounded to subangular gravel and pebble size clasts of brown, reddish brown, red, gray and green chert; white gray and brown quartzite. Cement is SiO_2 , with much iron staining along clast edges, in fractures, and in cement itself. Few boulder-size clasts of chert/quartzite.
65- 75'	Same as above, with addition of rounded reddish-purple f.c. quartzite, and yellow-brown chert fragments.
75- 85'	Same as above, with appearance of reddish brown, finely crushed siltstone making up approximately 20-30 % of total sample.
85- 95'	Same as 15'-65', with quartzite clasts \approx 80% of total. rounded chert pebbles \approx 10% of total. reddish-brown siltstone \approx 10% of total.
95-125'	Same as above, but siltstone now \approx 30-40% of total.
125-155'	Same T_{RC} , with appearance of buff (orange-gray) ss pebbles, and reddish-buff silt-st. pebbles (both well-rounded/rounded) - new material \approx 25-35% of total.
155-215'	T_{RC} with finely crushed, orange-gray silty sand-st. making up between 20% and 55% of total sample in this interval. Rounded-subrounded pebbles (chert/quartzite) still constitute up to 80% of total.
215-225'	Same as above. Silty ss <20% of total now.
225-245'	T_{RC} with 80% white qtzite/qtzite conglomerate that is densely cemented, l.g. qtzite with gravel-size, subangular clasts. Iron staining on fracture faces, and some hydrous copper oxide coatings on some fragments (qtzite retains sedimentary features as opposed to older quartzites such as Valmy, etc.).

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: Avery Gamma: _____

Depth (ft) Description

245-260' Gray-orange sand-st./silty sand-st. conglomerate similar to 155-215' interval.

260-300' T_{RC} (as before) with iron stained gravel-pebble conglomerate. Addition of a few limestone pebble-size fragments (angular). Some larger fragments of conglomerate (chert-quartzite) in last 20'.

300-320' Chert T_{RC} conglomerate (60-40%), orange gray silty ss (as in 245-260') (40-60%).

320-330' 90% chert pebble conglomerate (T_{RC}). One clast shows FeS_2 , $CuFeS_2$ mineralization (as granular coating on pebble and as stringer vein through pebble).

330-350' T_{RC} with orange-gray silty ss as in 300-320'. Percent of silty ss drops from 50% to 20% over this interval.

350-360' 80% qtzite chert/qtzite pebble conglomerate: (T_{RC}).

360-390' Same as 330-350'

390-410' 90% gravel-pebble-boulder chert/qtzite conglomerate: (T_{RC}), 10% silty ss.

410-420' Gravel size chert/qtzite conglomerate with qtzite (35%): (T_{RC}).

420-440' Gray-orange silty ss (35%), chert/qtzite conglomerate (65%): (T_{RC}).

440-450' Same T_{RC} conglomerate with $CuFeS_2$, bornite, pyrite mineralization as granular fracture fillings, coatings, stringers in pebbles of qtzite. Few green/red banded chert clasts.

450-500' T_{RC} (as before) with up to 50% orange-gray ss sand. (m.g., subrounded grains). Purple color to some conglomerate fragments. Color of ss becomes darker throughout interval.

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (')	Description
500-560'	T _{RC} (as before but now all gravel size subrounded to subangular clasts of chert and quartzite with 20-60% orange-gray silty sandstone).
560-580'	T _{RC} as before but now 70% quartzite; 20% silty-ss; 10% chert gravels and pebbles.
580-620'	T _{RC} as before but no orange-gray silty ss.
620-640'	T _{RC} as before with 5-30% silty ss.
640-650'	T _{RC} pebble conglomerate (chert & quartzite about 30-50%).
650-720'	T _{RC} chert, quartzite, and dark brown to reddish brown silicified siltstone gravels and pebbles, rounded to angular, with varying ratios of up to 40% siltstone, 60% quartzite.
720-730'	90% reddish dk. brown silicified siltstone. 10% gravels (T _{RC}).
730-760'	T _{RC} silicified siltstone as above with a siltstone/chert gravel conglomerate in a siltstone matrix (up to 70% matrix).
760-780'	T _{RC} chert/qtzite pebble-gravel conglomerate with siltstone.
780-790'	T _{RC} as above w/20% silt-st. pebbles. Pyrite and chalcopyrite? As granular fracture fillings, coatings.
790-800'	Quartzite: v.f.g. w/distinct black grains in otherwise white quartzite w/blebs or nodules of black, sulfide-rich silicified siltstone.
800-820'	T _{RC} chert/qtzite pebble-gravel conglomerate w/minor pyrite (granular).
820-840'	T _{RC} as before but no mineralization.

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: Avery

Gamma: _____

Depth (ft)	Description
840-850'	Trc as before with 20% brown silicified silt-st.
850-880'	Quartzite: f.c. to l.g., dense, well-cemented (gray). Very minor sulfide mineralization (pyrite) as before. Trc
880-900'	30% quartzite as above, 60% dk. gray, dense, silicified silt-st. Slight effervescence in dilute HCl, with minor sulfide mineralization as granular coatings and in stringers. Very few chips of gray ls with dk. gray silt-st. inclusions (silt-st. slightly calcareous).
900-920'	20% gray Ls, (hardness $\approx 2 \frac{1}{2}$); 30% gray-dk. gray calcareous silt-st., (hardness $\approx 2 \frac{1}{2}$ -3); gray-lt. gray calcareous ss (hardness $\approx 4 \frac{1}{2}$) and a f.c. silty ss make up 50% of total. Trc
920-940'	As above, with 50% of total sample comprised of dense, gray, non-calcareous quartzite (hardness ≈ 6 -7). Trc
940-960'	Quartzite, as above with 50% qtzite/chert gravel conglomerate.
960-970'	30-40% reddish-brown silicified silt-st., some with calcite stringer veings (H ≈ 4), 50-60% gray, dense, f.c. quartzite (some brownish-gray) (H 6) and about 10% chert/quartzite gravel conglomerate. Minor sulfides (granular pyrite c-pyrite).
970-980'	90% mottled and banded lt. gray - v. dk. gray calcareous silt-st. (H $\approx 2 \frac{1}{2}$ to $3 \frac{1}{2}$). Some fragments have f.c. appearance. Minor sulfides as granular fracture fillings, veinlets? 10% or less silt-st. as before. Trc
980-990'	80% gray-dk. gray f.g-f.c. quartzite w/minor sulfides as before. 20% chert/qtzite gravel conglomerate w/minor sulfides as before. Trc

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (ft)

Description

990-1090'	30-90% chert/qtzite subrounded-subangular gravel conglomerate with green, gray, brown chert and gray qtzite (as before, T _{RC}) 10-70%. F.g.-f.c. gray quartzite.
1090-1100'	40-50% conglomerate as above; 60-50% orange-gray sandy silt-st.
1100-1200'	30-50% greenish gray chert, rounded-angular pebble-gravel size chips-clasts. 30-50% gray, brownish-gray f.g. qtzite; 10-40% silty ss (orange-gray). T _{RC}
1200-1440'	50-95% chert, qtzite, chert/qtzite conglomerate (T _{RC}) as before. 5-50% buff, orange-gray or lt. brown-tan silty ss to sandy ss. Appearance of purple/red-gray qtzite, conglomerate. T _{RC}
1440-1460'	60-70% tan-lt. brown sandy silt-st. 30-40% gravel conglomerate. T _{RC}
1460-1540'	40-80% gravel-pebble (T _{RC}) conglomerate. Mostly v.f. gravels, rounded-angular. 20-60% orange-gray to lt. brown silty-ss and sandy silt-st.
1540-1600'	Chocolate-brown qtzite/chert gravel-pebble conglomerate (60% of total). Brown silty-ss, orange-gray sandy ss (40%). T _{RC}
1600-1620'	80-100% chert/qtzite conglomerate w/bedded chert (angular chert clasts 40%).
1620-1640'	50% reddish-purple, silicified, subrounded to rounded silt-st. pebbles and finely crushed silt-st. containing large angular quartz phenocrysts. Many pebbles are graywacke (clay/silt-st. matrix with quartz phenocrysts - see sample!). 30-40% T _{RC} conglomerate as before. 10-20% grayish green qtzite and chert. Havallah Formation.
1640-1650'	Fault zone: about 2% of total is greenish-white, soft (H < 2), w/greasy feel, splintery soapstone (tall and/or other clay minerals). Does not expand when heated. 40%

LITHOLOGIC LOG

Project: McCoyHole: 25-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth (ft)	Description
	brown, lt. brown, red-brown, white, gray v.f.g. quartzite. 58% (!) red-purple silicified siltstone conglomerate or fault breccia with very angular clasts of chert, quartzite, and silt-st. Many have calcite veins, caps. Calcite shows stress in curved cleavage faces.
1650-1660	As above, but no clay minerals present. Few pebbles of graywacke with micaceous flakes (muscovite). Appearance of green/lime-green chert w/iron staining (PPh?). (Note: basal T_{RC} unit mapped east of 864-90 contains siltstones and conglomerates with identical micaceous flakes).
1660-1690	As above (1640-1660), but increasing amount of green, green w/red iron stains on micro-fractures chert (20-75% of total). Fault breccia still present (10-50%). Very little graywacke (PPh).
1690-1740	As above with 30-60% green, gray, dk. green chert. 20-30% silty graywacke which is now slightly calcareous and has pheocrysts of quartzite (no micaceous flakes). 0-10% brown quartzite (f.g.).
1740-1750	No sample.
1750-1880	40-80% green-gray chert as angular gravel size chips. 15-45% reddish brown-purple silicified siltstone gravel size chips. 5-30% gray brown quartzite gravel size chips (P _{ph}). 5-30% graywacke (calcareous w/SiO ₂ phenocrysts - not micaceous).
1880-2000	80-90% chert and dark purple/brown silicified silt-st.; 10-20% buff to gray quartzite; occasional rock fragments of T_{RC} chert gravel-pebble conglomerate from uphole - very iron-stained.
	(Note: Both the chert (green, lime-green, dk. green iron stained on micro-fractures green) and the silicified silt-st. (dark reddish-purple brown to reddish orange to gray-orange) were mapped as outcrops and low "rubble" hills 1-2 miles east of 25-9 and 1-3 miles east of 864-90. Hand samples of these PP Havallah sequence rocks are available - see Avery's rock collection!).

LITHOLOGIC LOG

Project: 864Hole: 38-9Elevation: 5169Date Drilled: 16/4/81 thru 9/5/81Location: SESW Sec 9 T23NR40EMethod: rotary/airGeologist: Avery

Gamma: _____

Depth (')	Description
0-15'	Orange-gray silty sandstone, partly silicified, alteration (clay) present, brecciated and containing iron veinlets and staining (50%). Chert-gray/pebble (T _{RC}) conglomerate in silica matrix. Iron-stained.
15-25'	Broken, brecciated, altered (clay) T _{RC} ? silicified silt-st., sandstone, chert congl. Drillers (Pat Edwards) say that rock is fractured, poor drilling. Iron-stained.
25-45'	30-50% of original rock (Ls?) is totally replaced with silica. Some T _{RC} conglomerate (<5%). 50-70% brown, white, gray F-m.g. quartzite.
45-55'	Same. Chips are smaller. Some chert. Strongly iron-stained formation. 20% silty sandstone of an orange-gray color.
55-65'	As above, with 50% T _{RC} chert/qtzite silica cemented conglomerate and 5-45% silty-sandstone of orange-gray color.
65-75'	As above, with 20-60% conglomerate and coarse sandstone. Very iron-stained.
75-85'	As above, w/clay alteration and brecciated conglomerate, chert. Fault?
85-115'	Same as 65-75'.
115-135'	85% chert/qtzite gravel-pebble conglomerate. 10% orange-gray silty-ss matrix of conglomerate? 5% gray-white m.g. qtzite.
135-155'	Very silicified conglomerate as above w/fault breccia & silic. Ls? - original rock totally replaced with silica. Very iron-stained. One fragment with cinnabar. 5-20% silty ss, 20% quartzite.
155-175'	Same as above, but now all silicified rock (Ls?) - no conglomerate, some breccia. Another cinnabar fragment. Iron-stained. Silty ss < 10%.
175-185'	Same as above with 30% f-mg. White-buff qtzite.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
185-215'	Appearance of tan, buff, brown and orange white-gray F.M.G. qtzite. Many chips have black spotty appearance due to pheonocrysts (coarse sand grains). $H \approx 7$. 60-80% total (congl., silicified congl. Ls 20-40%).
215-225'	60% orange-gray F.M.G. ss. 40% above. (silty-ss too).
225-235'	As above, but ss is siltier, and is sometimes a silty ss congl. with gravel size clasts of chert, 5% red silt st (silicified). Ss is orange-gray to lt. brown.
235-245'	Same as above.
245-255'	Same as above. 50% ss, ss congl.
255-265'	Same as above. 80% ss.
265-275'	Same as above. Some of ss is stained a flamingo pink-red. Mercury?
275-285'	50% tan-gray fg-mg qtzite ($H \approx 7$). 50% congl./silicified Ls.
285-295'	80% gravel-pebble congl. in orange-gray silic. silty ss. Maxtrix.
295-307'	50% gravel-pebble congl. in orange-gray silic. silty ss or silicified. 50% qtzite, brown-orange gray interbedded w/reddish brown silt. st.
307-320'	Red siltstone w/thin interbeds, laminae of tan qtzite as above. 5% green chert angular chips. (PPh).
320-330'	As above with 40-50% red siltst (silic). 30-35% tan-orange qtzite. 15-20% green chert. (PPh).
330-340'	60% gray silicified Ls. No effervescence in acid. Grain size is too small to see w/hand lens and silt. effervescence when scratched. 40% orange gray-brown ss.
340-350'	60-70% orange-gray-brown silty ss. 30-40% gray ss as above.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth ()	Description
350-360'	40% interbedded, thinly bedded orange-gray-brown silty ss. 60% gray-dk. gray chert gravel highly silicified congl. w/rounded-angular chasts.
360-370'	Same as above, but was 80% congl. Very tightly silicified clasts "melted" into each other.
370-380'	70% very silicified conglomerate. 30% brown-orange-gray silty ss. Looks like trc. Two chips have cinnabar xls.
380-390'	Same as above but now 70% orange-gray silty ss. 30% congl.
390-400'	90% orange-gray to brown silty ss; & ss (f-mg), 10% conglomerate.
400-410'	90% iron-stained, gray silicified Ls, silty ss, orange-gray, 10% conglomerate.
410-420'	50% orange-gray ss (fg), 50% dense, gray silicified Ls or calcareous silt-st.
420-430'	80% dense, gray silic. calc. siltst. or Ls.
430-440'	Dense gray-dk. gray (bedded) siltst. and day st. (H=4). Some is silicified. Few Qtz. w/sulfide picas.
440-450'	Same as above.
450-460'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
460-470'	Brown, brownish green-gray siltst. silty ss. Orange-gray too.
470-480'	Brown appearance of red silic. siltst.
480-490'	Brown, brown, brownish green-gray siltst. silty ss, but some iron-stained silty ss. Some of it is conglometric.
490-500'	" " " " " "
500-510'	Gray f.g. ss, silty ss, clayst. siltst. (silicified) fractured, iron-stained.

LITHOLOGIC LOG

Project: 864

Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth ()	Description
510-520'	Same as above, but now 50% gravel chert silicified congl.
520-530'	60% gray fg ss, silic. siltstone is gray-reddish gray-silic claystone is white-greenish gray while 40% congl.
530-540'	Dk. gray chert/qtzite gravel congl. Very dense. Silicified. Sulfides occur as granular fracture fillings, coatings, pyrite, c/pyrite, others. Most clasts are well-rounded to subrounded.
540-550'	Lt. gray - gray fg quartzite.
550-560'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
560-570'	Gray-brownish gray fg qtzite (60%) red silicified silt. st. (40%)
570-580'	Gray-brownish gray fg qtzite (95%) red silicified silt. st. (5%)
580-590'	Gray-dk. gray chert and qtzite (Fe) sulfides (minor).
590-600'	Gray, thinly bedded vfg qtzite, some silica silt. st., v. minor chert, sulfides (v. minor).
600-610'	Gray-red silicified siltstone, ss, and claystone.
610-620'	Gray-brownish gray fg-vfg qtzite, some silica silt. st., chert (v. minor sulfides)
620-630'	Gray-dk. gray qtzite (fg), chert, and qtzite (chert congl. sulfides).
630-640'	Same but mostly conglomerate (chert/qtzite rounded-angular pebbles).
640-650'	Same as 600-620 - congl. w/sulfides interval 6.
650-660'	95% red silicified silt. st., qtzite (fg)
660-670'	85% " " " "
670-680'	60% " " " "

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____

Date Drilled: _____

Location: _____

Method: _____

Geologist: _____

Gamma: _____

Depth ()	Description
680-690'	Same as 600-610', mostly gray chert, qtzite (fg) 10-15% red silt. st.
690-700'	Same as 600-610' with gray qtzite, green-gray chert, and chert congl.
700-710'	" " " " "
710-720'	" " " " "
720-730'	Same as 600-610'
730-740'	Gray silicified siltstone ss, greenish gray chert, iron-staining.
740-750'	Brownish gray qtzite, red silt. st., chert qtzite congl. (20%).
750-760'	Cong., chert, qtzite, 15% red silic. silt. st.
760-770'	Chert, qtzite, congl., minor sulfides.
770-780'	Chert, qtzite, congl., minor sulfides.
780-790'	Same as 750-760' 10% silt. st.
790-800'	" " mostly qtzite.
800-810'	" " w/buff qtzite, green chert, gray-brown qtzite, red silt. st. (5%).
810-820'	Same as above. No buff qtzite.
820-830'	Chert, congl.
830-840'	" ". some minor sulfides.
840-850'	Chert, congl., red silt. st. (30-40%).
850-860'	" " " (40-50%).
860-870'	Chert, congl., buff iron-stained qtzite (25%).
870-880'	" " " " (40%) w/orange-gray ss congl. (30%).

LITHOLOGIC LOG

Project: 864
 Hole: 38-9

Elevation: _____ Date Drilled: _____
 Location: _____ Method: _____
 Geologist: _____ Gamma: _____

Depth ()	Description
880-890'	Green-gray chert congl.
890-900'	Mostly brownish-gray chert. 30% congl.
900-910'	" " " "
910-920'	Chert, congl. 50-56
920-930'	as in 890-900.
930-950'	Clear, brown, green chert, gray-brown fg ss minor sulfides w/FeS.
930-940'	Gray, brown-gray, dk. gray chert, qtzite; minor sulfides.
940-950'	Gray, brown-gray, with some red chert. Minor sulfides.
950-960'	Same as above.
960-970'	Same as above 5% red sulfides (minor pyrite).
970-980'	" " " " "
980-990'	" " " " "
990-1000'	" " red chert ≈20% sil. red silt. st. 5%, congl. 20% and/or breccia.
1000-1010'	Same as above, 10% sulfides, congl. 20% and/or breccia.
1010-1020'	Same, no red chert, mostly grayish chert, sulfides, and/or breccia.
1020-1030'	" " " "
1030-1040'	" " " "
1040-1050'	" " " "
1050-1060'	Mostly cong. (green chert, gray-brown qtzite pebbles, gravels). Sulfides.

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth ()	Description
1060-1070'	Same but more alteration, breccia. Iron-staining, sulfides less.
1070-1080'	Mostly green-gray chert, & brown chert w/ congl., sulfides.
1080-1090'	Iron-stained chert, qtzite, very little sulfides.
1090-1100'	Iron-stained chert, qtzite, very little sulfides.
1100-1110'	Iron-stained chert, qtzite, very little sulfides.
1110-1120'	Gray-brown-green chert qtzite, minor sulfides & congl.
1120-1130'	" " " "
1130-1140'	" " " "
1140-1150'	" " " "
1150-1160'	Same as 1110-1150' minor sulfides.
1160-1170'	Same as 1110-1150' minor sulfides.
1170-1180'	Same as 1110-1150' minor sulfides.
1180-1190'	Same as 1110-1150' no sulfides.
1190-1200'	More reddish brown F.C. qtzite, chert congl. No sulfides.
1200-1210'	Same as above.
1210-1220'	Mostly brown-gray-green chert (90%). No sulfides.
1220-1230'	Chert, qtzite, no sulfides.
1230-1240'	Same as above
1240-1250'	Same as above
1250-1260'	Same as above

LITHOLOGIC LOG

Project: 864Hole: 38-9

Elevation: _____ Date Drilled: _____

Location: _____ Method: _____

Geologist: _____ Gamma: _____

Depth (')	Description
1260-1270'	Same as above
1270-1280'	Same as above w/minor sulfides (minor pyrite).
1280-1290'	Same as above.
1290-1300'	Same as above.
1300-1310'	plus, silicified siltst. (red): 20% of total.
1310-1320'	Same as above, no sulfides.
1320-1330'	Same as above.
1330-1340'	Gray-green chert, orange-gray-brownish-gray-reddish-brown qtzite, red silic-silt. st. and 40-50% chert gravel congl., <u>v. minor</u> sulfides as FeS ₂ .
1340-1350'	As above.
1350-1360'	Gray-reddish brown qtzite (60%), gray-green chert (20%), chert congl. (20%).
1360-1370'	Chert; qtzite - gray, brown, red, green, yellow, clear.
1370-1380'	" " " "
1380-1390'	Reddish-brown silicified siltstone, silty-qtzite, silt. st. congl. w/some red chert.
1390-1400'	as above, w/ 10% green chert.
1400-1410'	Green chert (iron-stained), brown qtzite, red silic. silt. st.
1410-1420'	Dk. gray-green chert, qtzite as above, <u>fault breccia</u> only and chert congl., minor sulfide as FeS, red silic. silt. st.
1420-1430'	As above, no silt. st.

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

864-62

AT Well No. 38-9

Property-Project McCoy Depth Logged 620m

Map Gilbert Ck SW, Scale 7 1/2 Date: Drilled 5-21-81 Logged 7-31-81

State NV County Churchill of SE of SW of Sec 9 T 23N R 40E

Instrument #46 Operator JED Elevation (ft)

Comments 2 3/8" H2O Filled steel pipe in open 6 1/4" hole

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				
864	62	3	10	81

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

Card A

Site Description	Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68				
0.35 KM N MCCOY MINE	JED/DD		21	10	81

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

Map Location **

Scale Unit IN CM Map Size (75, 15, 60) Degree Min Degree Min **

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
CM 7.5 39. 45.0 117. 30.0

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
55.55 4.09

Use decimals

Write M if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			
12.0	40.0		

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

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
40.0 52.0

Segment 3

52.0 90.0 -7.5 -0.5

Segment 4

90.0 130.0

Segment 5

130.0 175.0

Segment 6

175.0 195.0

Segment 7

195.0 620.0

Segment 8

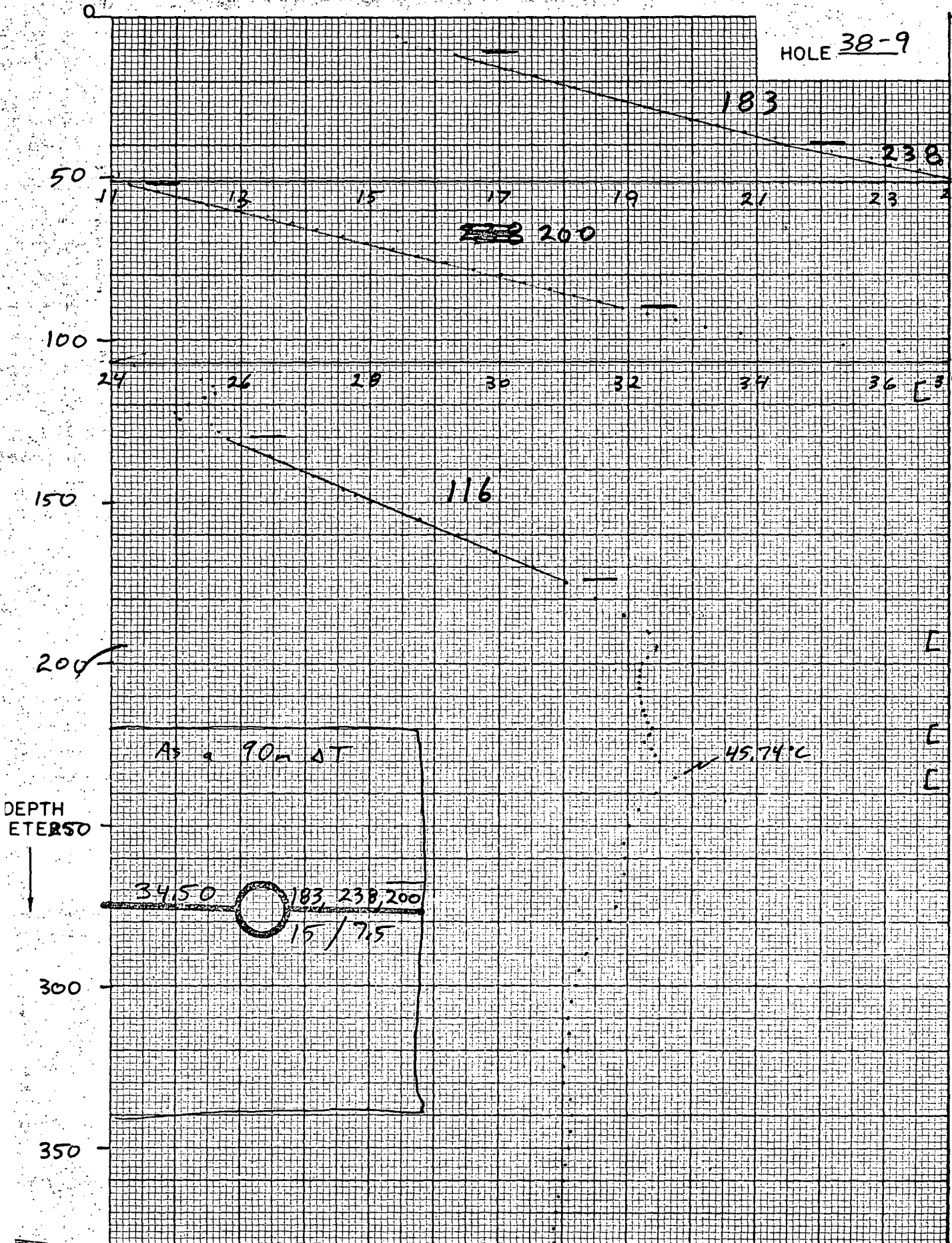
999

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

HOLE 38-9

Chert pebble cong, quartzites, siltstones



DEPTH METERS

As a 90m dt

45.74°C

3450 183, 238, 200
15/75

183

238

116

~~183~~ 200

11 13 15 17 19 21 23 24

24 26 28 30 32 34 36 37

50

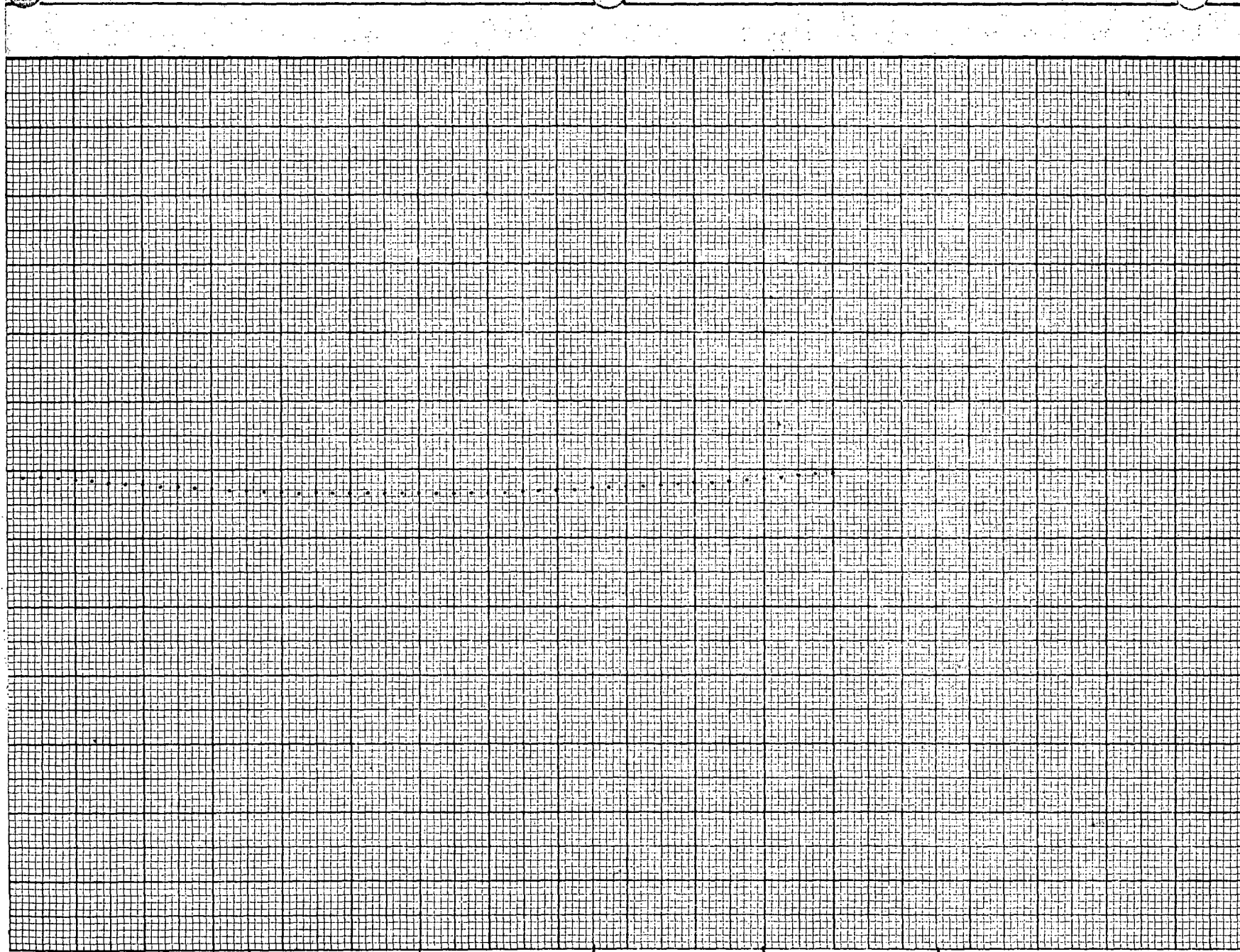
100

150

200

300

350



400

450

500

550

DEPTH
METERS

600

37

39

41

43

45

47

49

50

TEMPERATURE °C

Date Logged: 7-31-81

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
6	124.60	15.41				H ₂ O	Cable in .1060
8	123.99	15.56					Cable out .0926
10	122.50	15.91	0.35	175			
12	120.73	16.34	0.43	215			
14	118.99	16.76	0.42	210			
16	117.60	17.10	0.34	170			
18	115.85	17.54	0.44	220			
20	114.40	17.90	0.36	180			
22	113.25	18.19	0.29	145			
24	111.91	18.54	0.35	175			
26	110.37	18.93	0.39	195			
28	109.07	19.27	0.34	170			
30	107.67	19.64	0.37	185		↓	
32	106.41	19.98	0.34	170			
34	104.83	20.40	0.42	210			
36	103.30	20.82	0.42	210			
38	101.56	21.30	0.48	240			
40	100.01	21.45	0.15	75			
42	98.45	22.17	0.72	360			
44	96.60	22.70	0.53	265			
46	95.28	23.09	0.42	210			
48	93.68	23.56	0.39	195			
50	92.43	23.93	0.47	235			
52	91.22	24.30	0.37	185			
54	89.89	24.70	0.37	185			
56	88.78	25.05	0.40	200			
58	87.42	25.47	0.35	175			
			0.42	210			

K=Conductivity

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	86.02	25.92	0.45	225			
62	84.49	26.41	0.49	245			
64	83.34	26.79	0.38	190			
66	82.20	27.17	0.38	190			
68	80.98	27.58	0.41	205			
70	79.91	27.94	0.36	180			
72	78.71	28.35	0.41	205			
74	77.51	28.77	0.42	210			
76	76.38	29.17	0.40	200			
78	75.20	29.60	0.43	215			
80	74.04	30.02	0.42	210			
82	73.05	30.39	0.37	185			
84	71.97	30.79	0.40	200			
86	70.96	31.17	0.38	190			
88	69.95	31.56	0.39	195			
90	69.05	31.91	0.35	175			
92	68.04	32.31	0.40	200			
94	67.03	32.72	0.41	205			
96	65.85	33.20	0.48	240			
98	64.50	33.75	0.55	275			
100	62.73	34.50	0.75	375			
102	60.79	35.35	0.85	425			
104	59.86	36.22	0.87	435			
106	57.17	37.00	0.78	390			
108	56.44	37.35	0.35	175			
110	—		1.03	258			
112	54.31	38.38					

K=Conductivity

page _____ of _____

Date Logged: _____

ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
114	53.93	38.57	0.19	95			
			0.02	10			
116	53.89	38.59	-0.14	-70			
118	54.10	38.45	-0.26	-130			
120	54.70	38.19	-0.19	-95			
122	55.10	38.00	0.06	30			
124	54.97	38.06	0.49	245			
126	53.98	38.55	0.11	55			
128	53.76	38.66	0.15	75			
130	53.45	38.81	0.18	90			
132	53.10	38.99	0.22	110			
134	52.66	39.21	0.23	115			
136	52.21	39.44	0.23	115			
138	51.78	39.67	0.26	130			
140	51.28	39.93	0.23	115			
142	50.84	40.16	0.24	120			
144	50.38	40.40	0.19	95			
146	50.03	40.59	0.19	95			
148	49.68	40.78	0.24	120			
150	49.24	41.02	0.75	150			
155	47.89	41.77	0.60	120			
160	46.83	42.37	0.58	116			
165	45.83	42.95	0.56	112			
170	44.88	43.51	0.49	98			
175	44.04	44.02	0.47	94			
180	43.29	44.49	0.46	92			
185	42.56	44.95	0.35	70			
190	42.00	45.30					

K=Conductivity

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Atr	Lithology, etc.
195	41.81	45.43	0.13	26			
196	41.84	45.41	-0.02	-20			
197	41.95	45.34	-0.07	-70			
198	42.01	45.30	-0.04	-40			
199	42.07	45.26	-0.04	-40			
200	42.13	45.22	-0.04	-40			
202	42.20	45.17	-0.05	-25			
204	42.22	45.16	-0.01	-5			
206	42.22	45.16	-0.00	0			
208	42.22	45.16	-0.00	0			
210	42.19	45.18	0.02	10			
212	42.16	45.20	0.02	10			
214	42.11	45.23	0.03	15			
216	42.06	45.26	0.03	15			
218	41.99	45.31	0.05	25			
220	41.91	45.36	0.05	25			
222	41.98	45.32	-0.04	-20			
224	42.06	45.26	-0.06	-30			
226	41.95	45.34	0.08	40			
228	41.83	45.41	0.07	35			
230	41.72	45.48	0.07	35			
235	41.32	45.74	-0.32	-64			Highest measured Temp
240	41.82	45.42	-0.24	-48			
245	42.19	45.18	-0.17	-34			
250	42.46	45.01	-0.07	-14			
255	42.57	44.94	0.01	2			
260	42.55	44.95	0.01	2			

Date Logged: _____

 ΔT Well No. 38-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
265	42.54	44.96	0.01	2			
			-0.07	-14			
270	42.65	44.89					
			-0.07	-14			
275	42.76	44.82					
			-0.12	-24			
280	42.95	44.70					
			-0.18	-36			
285	43.24	44.52					
			-0.16	-32			
290	43.50	44.36					
			-0.11	-22			
295	43.68	44.25					
			-0.05	-10			
300	43.76	44.20					
			-0.07	-14			
305	43.86	44.13					
			-0.03	-6			
310	43.92	44.10					
			0.00	0			
315	43.91	44.10					
			-0.01	-2			
320	43.93	44.09					
			-0.07	-14			
325	44.05	44.02					
			-0.01	-2			
330	44.06	44.01					
			0.11	22			
335	43.89	44.12					
			0.02	4			
340	43.85	44.14					
			-0.02	-4			
345	43.89	44.12					
			-0.03	-6			
350	43.94	44.09					
			-0.04	-8			
355	43.99	44.05					
			-0.04	-8			
360	44.07	44.01					
			-0.07	-14			
365	44.17	43.94					
			-0.04	-8			
370	44.25	43.90					
			-0.02	-4			
375	44.28	43.88					
			0.01	2			
380	44.26	43.89					
			0.01	2			
385	44.24	43.90					
			0.00	0			
390	44.25	43.90					
			-0.01	-2			
395	44.26	43.89					

K=Conductivity

Date Logged: _____

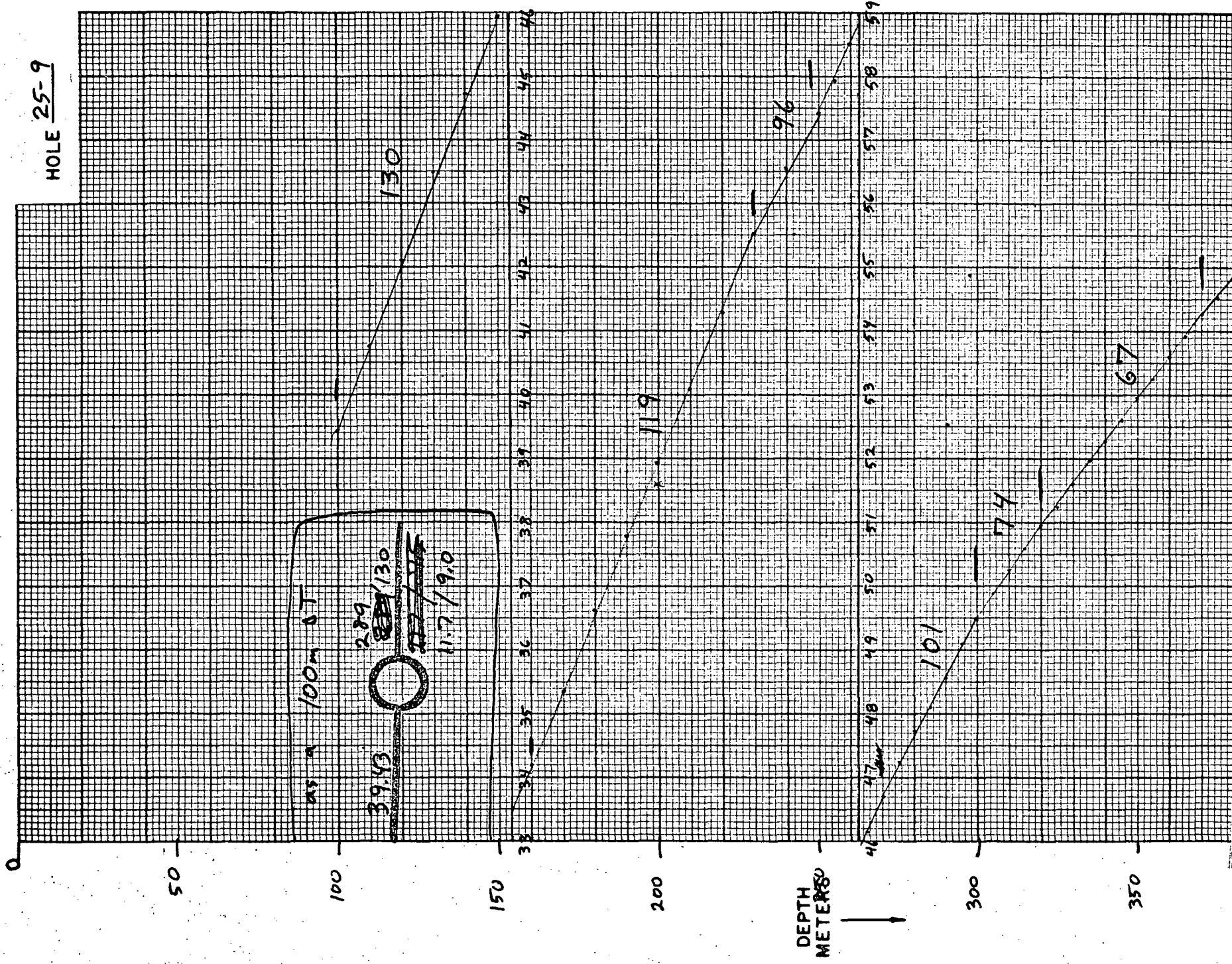
ΔT Well No. _____

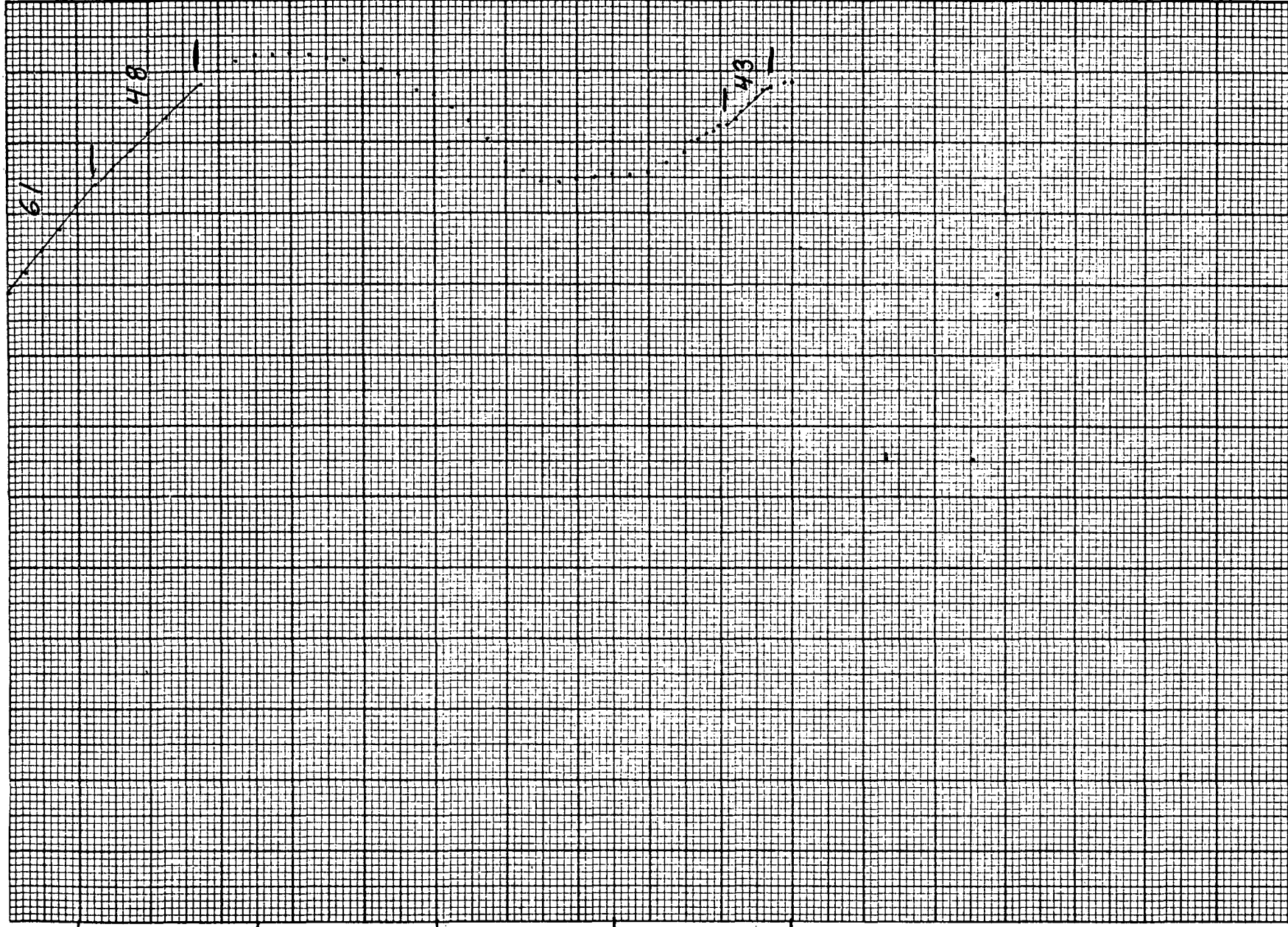
Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
400	44.31	43.86	-0.03	-6			
405	44.34	43.84	-0.02	-4			
410	44.38	43.82	-0.02	-4			
415	44.40	43.80	-0.02	-4			
420	44.44	43.78	-0.02	-4			
425	44.47	43.76	-0.02	-4			
430	44.50	43.74	-0.02	-4			
435	44.53	43.72	-0.02	-4			
440	44.56	43.71	-0.01	-2			
445	44.60	43.68	-0.03	-6			
450	44.61	43.68	0.00	0			
455	44.63	43.67	-0.01	-2			
460	44.61	43.68	0.01	2			
465	44.66	43.65	-0.03	-6			
470	44.65	43.65	0.00	0			
475	44.66	43.65	0.00	0			
480	44.68	43.64	-0.01	-2			
485	44.68	43.64	0.00	0			
490	44.68	43.64	0.00	0			
495	44.68	43.64	0.00	0			
500	44.68	43.64	0.00	0			
505	44.68	43.64	0.00	0			
510	44.68	43.64	0.00	0			
515	44.67	43.64	0.00	0			
520	44.66	43.65	0.01	2			
525	44.65	43.65	0.00	0			
530	44.65	43.65	0.00	0			

K=Conductivity

page _____ of _____

HOLE 25-9





400

450

500

550

600

DEPTH
METERS

59

60

61

62

63

64

65

66

67

68

69

70

71

72

TEMPERATURE °C

61

48

43

Date Logged: _____

ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Atr	Lithology, etc.
200	33.30	51.60					Cable in .0973 out .1309
250	26.94	57.42	5.82				
255	26.42	57.96	0.54	108			
260	25.90	58.51	0.55	110			
265	25.30	59.16	0.65	130			
270	24.81	59.70	0.54	108			
275	24.32	60.26	0.56	112			
280	23.92	60.72	0.46	92			
285	23.61	61.09	0.37	74			
290	23.23	61.54	0.45	90			
295	22.77	62.10	0.56	112			
300	22.47	62.47	0.27	54			
305	22.15	62.87	0.40	80			
310	21.85	63.26	0.39	78			
315	21.60	63.59	0.33	66			
320	21.33	63.94	0.35	70			
325	21.11	64.23	0.29	58			
330	20.84	64.60	0.34	72			
335	20.57	64.97	0.37	74			
340	20.35	65.27	0.30	60			
345	20.11	65.61	0.34	68			
350	19.87	65.95	0.34	68			
355	19.65	66.26	0.31	62			
360	19.41	66.61	0.35	70			
365	19.20	66.92	0.31	62			
370	18.97	67.27	0.35	70			
375	18.80	67.53	0.26	52			

K=Conductivity

Date Logged: _____

ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
380	18.56	67.89	0.36	72			
385	18.37	68.19	0.30	60			
390	18.18	68.49	0.30	60			
395	18.00	68.77	0.28	56			
400	17.80	69.09	0.32	64			
405	17.61	69.40	0.31	62			
410	17.48	69.61	0.21	42			
415	17.31	69.89	0.28	56			
420	17.17	70.13	0.26	52			
425	17.03	70.36	0.23	46			
430	16.90	70.59	0.23	46			
435	16.76	70.83	0.24	48			
440	16.66	71.00	0.17	34			
445	16.58	71.14	0.14	28			
450	16.54	71.21	0.07	14			
455	16.53	71.23	0.02	4			
460	16.52	71.24	0.01	2			
465	16.53	71.23	-0.01	-2			
470	16.56	71.17	-0.06	-12			
475	16.58	71.14	-0.03	-6			
480	16.60	71.10	-0.04	-8			
485	16.64	71.03	-0.07	-14			
490	16.69	70.95	-0.08	-16			
495	16.76	70.83	-0.12	-24			
500	16.86	70.65	-0.18	-36			
505	16.96	70.48	-0.17	-34			
510	17.07	70.30	-0.18	-36			

K=Conductivity

page _____ of _____

Date Logged: _____

 ΔT Well No. 25-9

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
515	17.21	70.06	-0.24	-48			
520	17.36	69.81	-0.35	-70			
525	17.49	69.60	-0.21	-42			
530	17.58	69.45	-0.15	-30			
535	17.58	69.45	0.00	0			
540	17.57	69.47	0.02	4			
545	17.54	69.51	0.04	8			
550	17.52	69.55	0.04	8			
555	17.52	69.55	0.00	0			
560	17.50	69.58	0.03	6			
565	17.42	69.71	0.13	26			
570	17.32	69.88	0.17	34			
572	17.24	70.01	0.13	65			
574	17.21	70.06	0.05	25			
576	17.17	70.13	0.07	35			
578	17.15	70.16	0.03	15			
580	17.12	70.21	0.05	25			
582	17.10	70.25	0.04	20			
584	17.06	70.31	0.06	30			
586	16.99	70.43	0.12	60			
588	16.93	70.53	0.10	50			
590	16.88	70.62	0.09	45			
592	16.83	70.71	0.09	45			
594	16.80	70.76	0.05	25			
596	—	—	0.08	20			
598	16.75	70.84	—	—			
600	16.74	70.86	0.04	20			

K=Conductivity

page

of

