

018762

AJAX - NEWMONT  
1967 DRILLING.

DM 67-3

-45°

0-13 - 015

41

Andesite Vols. - lg. H green

Bank - E. skinned when @ 22'

None has - buff bleaching along margins

Should Contact?

T-1 @ 57.

C-67-283

87

Gran. Pel. Hls. - Much fractured

- Contact str @ 56'

lt. QP @ 61.

Both sides of lg. H green siliceous.

124

Basalt fragments - chocolate brown

- of lg. - None has.

Broken cone.

3-42

Green siliceous hornfels.

3-2 @ 140

Much fractured

Should 140-150

C-67-284

None on hand.

3-3 @ 194

Dyscrystine @ 194 with ZnS - siliceous + MnO<sub>2</sub>.

C-67-285

Random hornfels & go - 1/2" spaces

3-4 @ 226

Large veins also carry fine gr.

C-67-286

Shale @ 249' - badly broken zone

Clay brown lth. zone @ 287

Part this rock is gray. Ag.

- fractured with fine po - strongly magnetic

Q-150 on hand @ 319

412

Broken hornfels.

lt. QP @ 375'

50-50 Green hornfels @ 395

Bleeding shipwrecks  
of R.S.

Po ipy, up  
Hob<sub>2</sub> in R.S.  
up by vlt.

Epist. alba +

Abundant fine  
- brown fine sh.  
Hob<sub>2</sub> h.s. @ 68'  
- No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 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

Epist. alba mod. to +

Hob<sub>2</sub> vlt. with sh.  
at top of sh. bed.

Barren str.  
to 250 -

Hob<sub>2</sub> vlt. cut by  
barren vlt. - 1/16"

Hob<sub>2</sub> vlt. @ 166'  
" w.c.

- interbedded sh.  
- barren vlt. 90' above.

Some Hob<sub>2</sub> coarse.

Fine sh. known. p. vlt.

Barren 1/16" sh. cut by  
thin vlt.

1/2" banded Hob<sub>2</sub> vlt.  
@ 323'

Epist. alba +

Hob<sub>2</sub> vlt. and  
Nautil. sh.

485 Green Hill Hk. - bylen.  
Remore Remore Hk.  
C-67-287 Gypsum Section @ 472'  
Remore Hk @ 457'

489 QMP - protite - bx.  
- inclusion of lfs - 1/2"  
Incl. protite.  
3-5 @ 487  
C-67-288

503 Green Hill Hk.

505 Protite Hk.

512 QMP - protite - bx

518 Protite Hk. - some of QMP

650 QMP - some bx

Some more checked - Remore Hk locally.

3-6 @ 556 - 1/4 grey mat'x - slightly marked  
phenos - 3/4 inch - Incl. protite  
C-67-289. "Dead"

✓  
Verocastle @ 575' -

Fault bx @ 605' - broken into layers

Rock below grey - indistinct texture

Foot vein. Fault @ 643

Incl. lfs @ 651

702 Hk - small types of QMP

- claty - buff. lg.

3-7 @ 667  
C-67-290

Mud bedded.

724

QMP - protite late pyry.

Some sil @ 724.

734  
3-8 @ 770

PH'd lenses pyry

770

C-67-291

QMP - late - sharp contact



Minor Contact

Porphyry 1/2' vltks  
with host.  
Zones of po & quartz.

Fract.

Minor Matrix

Bleaching of mafic  
Arg altm + wealthy

Matrix vltks  
Minor veining

Arg altm - green  
+ silicification + bleaching  
of mafics wealthy.  
Some altm little porphyry.

Little vein

Matrix vltks.  
Cracks probably pick up.

Arg altm

Matrix.

- 780 QM - A110
- 823 QMP - brittle - grey matrix  
- indurated texture in part
- 3-9 @ 815 - Sh grey matrix with 2-4 mm  
C-67-282 feldspar - Alkaline vlt @ 815  
local zones with angular alb.
- 837 Lenco QM - A110  
White to buff - Qtz vlt at alt.
- 839 QMP - brittle - Kalamygd
- 845 Lenco QM - intense alb.
- 866 Lenco QM - see ghyss - 2 mm.  
3-10 @ 855 - abundant ghyss  
C-67-293
- 870 ✓ Gray QM - original pth leached
- 884 Lenco QM - ghyss.
- 898 QMP - brittle - definite relict in  
transformation. - both feldspar small.
- 903 Lenco QM - white - sharp contacts.  
- 1 Lt vlt bio QM - alt 'd @ 899.
- 929 Bio QMP - near center of  
white Lenco QM.  
Contacts all sharp - bio, vlt and  
abruptly.
- 1012 Lenco QM - ghyss in vlt white  
matrix  
1-2 mm ghyss & yellow Kalamygd feldspar  
- scattered. Bio QM - vlt @ 970  
sharp contacts.
- 3-11 @ 911.  
C-67-294

Schiefel-Arg. Alk. +

Two S<sub>2</sub> vlt's

Barren downy Q<sub>2</sub>

Little trace, except  
for downy po + py  
on barrens

Schiefel-Arg. Progs  
of original rock in white  
schiefel area.

Two S<sub>2</sub> horizontal ls  
cut sil. area and  
original rock.

Arg alk +

Two S<sub>2</sub> in gray.

Del. +

Arg -

Down Two S<sub>2</sub> in  
schiefel area also py, cp.

Del +

Two S<sub>2</sub> vlt's cut barren area.

Two S<sub>2</sub> vlt's end at  
Red Q<sub>1</sub> + 1' contact.

Arg alk -

Some Two S<sub>2</sub> in  
vlt 923-925

Del +

Two S<sub>2</sub> in gray vlt's  
+ schiefel area.

1026 Bottle QMP - "barren"  
C-67-295 Sharp Contacts

1078 Leuco QMP - Much hashing  
Cent by size 1-2 ft dyes of  
Bio QMP - Both unanalyzed.

3-12@1078  
C-67-295  
1099

Bottle QMP - gray - abundant  
potash - Ashes & brids.

Gray in part - bottle bleached out

1132 Leuco QMP - gray eyes.  
Several dyes BDM

1144 Gray Polyphos dye - washed 4 times  
3-13@1135 - 11 dyes.

1199 Leuco QMP - gray & 11 dyes  
phenomen. Near 1 ft.

1200 Dyes of QMP - also several  
zones with potash.

1220 Leuco Bottle QMP - much hashing  
~~C-67-296~~ No apparent dyes.

1324 Leuco QMP - dye of above instead  
@ 1226 - 2 ft - also 1241 - see  
lith inclusion. - Pyle @ 1262  
Dye scattered bleached both sides  
Pyle @ 1285.

3-14@1304 Scattered black underlying potash  
C-67-297

1332 - Bottle QMP - sharp contacts

Russian py.  
Some  $\text{MgS}_2$  in path QP  
+ the rock. ends page?

2 stages of  $\text{MgS}_2$  mine

Ad -

Occ.  $\text{MgS}_2$  vlt

Arg +

thinner pyrite

Arg + locally

$\text{MgS}_2$  +

$\text{MgS}_2$  vlt here

Arg also - small  
angular zones.

$\text{MgS}_2$  - where on  
angular zone.

- 1380 Lencos. QM - gty eye as previous  
Scattered & fine 2ndary bwtite
- 1384 Bwtite QM - light gray matrix.
- 1442 Lencos. QM - several 1 Lt dykes  
150m. @ 1396 & 1399
- 1479 Alt brown & green hornfels  
- several QM-Lencos dykes.  
Several 6" lg QV dykes. white.
- 1485 Bwtite QM.
- 1490 HPh - Q dykes.
- 3-15 @ 1489  
C-67-298
- 1504 Bwtite QM.
- 1604 Alt. H green & brown hornfels  
Bwtite HPh predominant - minor  
alt adjacent to host rock several  
dykes of Bwtite QM.  
Some 14 brown cherty lgh  
part 1539 to 1569, then into folyl.  
Small dykes of Lencos QM - break.
- 1622 Lencos QM - gty eye - white  
- lg - 1mm gty eye
- 1802 Alt. green & brown lgh.  
3-16 @ 1673  
C-67-299  
Black fractured & gty veined  
Host material around 1700 appears  
to be buff cherty, with some dense  
chocolate brown vanthite.

at -  
Ag -

New  $\text{MgS}_2$  v.  $\text{MgS}$

Old  $\text{MgS}_2$  v.  $\text{MgS}$

at -  
Ag -

Epoxide -

$\text{MgS}_2$  in keratin  
fascicles.

Silvarg -

$\text{MgS}_2$  in keratin fasc,  
& serum on matrix  
Good grade

Abundant serum ps  
in good set hft.

24<sup>th</sup> QM Lykes @ 1769'

1805 OP Lykes - white

1924 Buff to brown cherty lfls  
Small amount pale green sedimentary  
material  
Phos @ 1846.

Uniform brown 1894-1974

OP Lykes with chert nodules 1907'

1930 Qtz Porphyry - white lfg

1979 Brown Hk. - mud diller OP.

1950

5-17 @ 1915  
C. 67-200  
1993

Qtz Porphyry - white

Brown Hk.

- buff, cherty near end of section

2003 OP - white - 3 mm qtz eyes.

2026. Brown Hk.

2040 Qtz Porphyry.

3-18 @ 2038.

C. 67-301

All green + brown lfls.

2146 - Ends OR 1/226



1300 - Green sil. flk.

1310 - Bottle fragment

1610 - Green Qtz - exp. sil. locality

- Massing of crystals - embell. some flk. eye

Mt. in 1/4" sil. in Ast in stream area

1650 - Qtz Porphyr - Ag white matrix

- eyes of flk. to 3 mm - diam Mt.

Full Core 1664 -

1720 Qtz Porphyry - Ag - white

- embedded flk. eye - fresh

1-1 @ 1686 - area of good sulfidation

C-67-304

- some minerals by hand

Point Karan alt. of lithology - yellow

Mt. sil. cut by stream.

1734 Qtz Porphyry - better - scattered

flat hard white - Zoned?

1780 Qtz Porphyry - embedded - exposure to the

1-2 @ 1787 - Zoned embedded flk. eye = 25%

C-67-305, Mt. in basin

1784 Schistose Altered rock

1791 - Contaminated Porphyry - half

degraded Low grade?

1-3 @ 1786

C-67-306

2004 Qtz Porphyry - exp. sil. alt. +

1-4 @ 1814 Mt. in stream & Basin @ 1812 - 1818

C-67-308 Some spots of green sil. alt. of lithology

Shaded @ 1400' - post-mineral

Contaminated section @ 1934

- Good min. - 1/2 cu of the cut by

stream from 1780 - 2050 Cont.

2050

Alt. Qtz Porph & flk. - brown - exp. alt.

1-5 @ 1964

C-67-308

- flk. in basin, flinty, silicified

Ag alt. in Porph End

67-4. SPERMENS

10. Bastite Hfls - no epid alth
- 20 - Cherty Quartz? - gray
40. Bastite Hfls - no alth
- 70 Green sil hfls - thin
- 4-1 50-65' - abundant garnet - no  
C-67-309
- 120 Bastite hfls - little alth  
- chlorite brown - Quartz @ 110'
- 170' Green sil hfls? - may be geyite
- 470 Bastite hfls - slight to moderate  
epidote alth
- 500 Gray-green geyite
- 520 - Biotite hornbl.
- 570 Gray Quartz - siliceous
- 620 Bastite Hfls - no 2nd alth
- 620 Bastite Hfls - epid alth
- 700 Bastite Hfls - no 2nd alth
- 730 - Bastite Hfls - mod 2nd alth
- Hfls as above to 1081
- 1091.- QM - bastite - hfls, siliceous
- 1118 - QM - hornbl. - geyite
- 1118-1145 Sil. Hfls
- 1145-1300+ @ Aug 24 - QM - bastite  
Poorly mineralized

Several banded  
1/2"  $\text{Mg}_2\text{Si}$  vlt  
@ 1780'

sd -

Dunen  $\text{Mg}_2\text{Si}$

sd +  $\text{Mg}_2\text{Si}$

$\text{Mg}_2\text{Si}$  -  $\text{O}_2$ ,  $\text{Fe}$ , down.

Epidoth vlt -

Monoclinic

$\text{Mg}_2\text{Si}$  +

Epidoth vlt +

67-1 (10' specimens)

- 30' - Arkosike vls  
    leathery spongy like bldc.
- 50 - Green sil. hfls.
- 60 - Gray Qtzite - sand - 4
- 70 - Green H fls - many other also appear to Ps?
- 100' Cherty buff hfls.
- 140' - Brown bottle hfls - lower up. alth.
- 150' - Andesite
- 170' - Brown bottle hfls.
- 210 - Green sil. H fls.
- 290 - Brown bottle hfls - up alth +
- 30 - Green sil. hfls.
- 340 - Brown bottle hfls.
- 360 - Green sil. hfls.
- 440' - Bottle hfls. - good alth + locality
- 450 - Andesite
- 500' - Brown bottle hfls - good alth +
- 640' - Green sil. hfls. - some gray quartz?
- 680 - Contact - Lencos QM - quartz - 4 green hfls  
    @ 10'
- 710' - Lencos QM - oil quartz - org. bottle hfls.
- 730 - Bottle H fls
- 740' - Green sil. hfls - chert po.
- 1000' - Lencos QM as above - some chert H<sub>2</sub>
- 1040 - Green sil. hfls.
- 1060 - Bottle hfls.
- 1070 - Green hfls.
- 1100 - Bottle hfls. - good alth.
- 1150 - Green hfls.
- 1200 - Andesite.
- 1260' - Bottle H fls. - alth +
- 1290 - Lencos QM - Arg. & chert alth. - Hatched mafic