

Tom Claims, Yukon.

Hole Number U-45      Dip 0°      Bearing N. 61° 55' E.

N. 78223.50      Depth: 37'

S. 50780.63      Elev. 4754.28

Date started: Dec. 12, 1970. Finished: Dec. 13, 1970.

Drilled By: Cameron McCutcheon Drilling Ltd.

Logged By: I. Young

0.0-27.0 Gray baritic limestone, well bedded considerable contortion, chert beds occur in limestone, very slight pyrite, mineralized slight galena and slight brown-pink disseminated sphalerite in bedding. Mud seam occurs from 15' to 25', no core recovered in this zone, chert very abundant from 25' to 25.7' occasional quartz stringer.

Lost Core: 3.1'-5.7', 7.0-8.3', 15.0'-25.0'

Core Angles: 55° at 5', 68° at 6', 30° at 11', 75° at

14', 69° at 26'

27.0-28.4 Gray argillaceous limestone, well bedded, considerable contortion slight pyrite, mineralized slight galena and slight disseminated sphalerite.

28.4-37.0 Black graphitic argillite, very siliceous, well bedded, few siltstone beds, slight pyrite, few white quartz stringers, carbonates occur in few fractures.

Lost Core: 34.2'-35.7'

End Hole. Core Angles: 61° at 31', 65° at 34'

Log Diamond Drill Hole

Hole Number: U-46

N77430.43      Dip: -83°      S64°W Bearing  
E50858.06      Elevation: 4754.00      Depth: 452'

Date Started: Dec. 13thm 1970.      Finished: Dec. 23rd, 1970

Drilled By: Cameron McCutcheon Drilling Ltd.,

Logged By: I. Young

0.0 273.7 Black graphitic argillite, well bedded, very siliceous, occasional siltstone beds, carbonate and graphite in fractures, slight pyrite, solid 117.4-117.7', mineralized very slight galena from 272.2-273.7' fair pyrite in this section, occasional quartz stringers, core broken from 59-75' and from 105-124'. Lost core: 5.3-7.3', 109.0-109.7', 111.5-112.2', 115.0-116.3', 127.6-130.0', 134.4-135.0', 263.0-267.0', 268.7-272.7', core angles: 9° at 8', 17° at 21', 16° at 34', 19° at 50', 23° at 68', 18° at 83', 20° at 92', 18° at 108', 26° at 124.5', 30° at 131.5', 31° at 139', 32° at 150', 32° at 160.0', 37° at 174.5', 26° at 183.5', 28° at 196.5', 32° at 220', 22° at 230', 27° at 239', 28° at 247', 35° at 257', 52° at 273.5'.

273.5 275.0 Lost core.

275.0 194.4 Grey well bedded argillaceous limestone, slight pyrite, mineralized slight galena and sphalerite from 275.0-276.1', very slight mineralization 280.7-282.4', and from 293.3-294.4', core broken, carbonate in fractures, Lost core: 276.1-280.7', 282.4-293.3'.

Log Diamond Drill Hole U-46 Contd.

- 294.4 296.3 Lost core.
- 296.3 330.8 Grey, baritic limestone, well bedded, numerous chert beds, considerable contortion, very slight pyrite, slight galena and pale brown sphalerite in bedding from 296.3-297.6', ~~xxxxx~~ 300.0-301.1, 305-306.8', fair mineralization 310-312.6 and 315-317.4', slight galena and fair sphalerite 321.4-322.5'; fair mineralization 325-327.1', 330-330.8', core broken, Lost core: 297.6-300.0, 301.1-305', 306.8-310.0', 312.6-315', 317.4-321.4', 322.5-325', 327.1-330', Core angles: 53° at 300', 57° at 311', 52° at 316', 326' 25°.
- 330.8 376.4 No core recovered, mud and sand.
- 376.4 377.0 Grey well bedded baritic limestone, few chert beds, considerable contortion, mineralized slight galena and pink disseminated sphalerite, very slight pyrite.
- 377.0 378.4 Lost core.
- 378.4 419.1 Grey altered argillaceous limestone, considerable contortion, numerous quartz stringers, graphite and carbonate in fractures, slight pyrite, fair galena and brown disseminated sphalerite from 378.4-379.8', slight mineralization from 379.8-383.2', fair pyrite 379.8-381.9', quartz 381.9-382.7', fair galena and sphalerite 383.2-384.7', slight

- mineralization 384.7-388.2', fair pyrite in above, fair galena and sphalerite 388.2-391.2', slight mineralization 391.2-399.4', 400-402.9' and 404.3-419.1'. Lost core: 396.8-397.5', 399.4-400.0', 402.9-404.3', Core angles: 41° at 407', 42° at 418'.
- 419.1 439.4 Dark grey argillite, rather massive, . occasional quartz stringers and limestone beds, slight pyrite, very slight galena and sphalerite 419.1-435.7', few specks galena and sphalerite 436.4-439.4', graphite in fractures, Lost core: 435.7-436.4', 439.4-440.0', Core angles: 52° at 422', 54° at 427'.
- 439.4-440.0 Lost core.
- 440.0 452.0 Conglomerate, coarse fragments, subangular, quartz, chert and argillite, very slight pyrite, occasional quartz stringers, graphite in fractures. Lost core: 442.8-443.5', 448.8-450.0'. End of Hole 452'.