

DIAMOND DRILL RECORD

G2

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|--|--|----------|--|--|------------|--|--|----------|-----------|----------|--|--|--|--|--|--|--|--|--|--|
| Hole Number | G2 | | | | | | | | | | Purpose | | | | | | | | | | | |
| Location | Gormanston | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Level | Surface | | | | | | | | | | | | | | | | | | | | | |
| Co-ordinates | 7153.91'S. | | | 3819.49N | | | 2452.39'E. | | | 6747.49E | | | | | | | | | | | | |
| Collar R.L. | 1301.08 | | | 367.57m. | | | | | | | | | | | | | | | | | | |
| Length | 419' | | | | | | | | | | | | | | | | | | | | | |
| Survey Depth | Collar | | | | | | | | | | | | | | | | | | | | | |
| Bearing | 002°29' | | | | | | | | | | | | | | | | | | | | | |
| Inclination | -59°05' | | | | | | | | | | | | | | | | | | | | | |
| Rod Size | 0-31 No. 6 casing 31-115'6" No. 4 casing 115'6"-419 NxC | | | | | | | | | | Comments | | | | | | | | | | | |
| Machine | F-49J. | | | | | | | | | | | | | | | | | | | | | |
| Logged by | K.O. Reid | | | | | | | | | | | | | | | | | | | | | |
| 30' Plans | | | | | | | | | | | | | | | | | | | | | | |
| 30' Sections | | | | | | | | | | | | | | | | | | | | | | |
| 100' Plans | | | | | | | | | | | Commenced | 7.3.1968 | | | | | | | | | | |
| 100' Sections | | | | | | | | | | | Completed | 6-5-68. | | | | | | | | | | |

DIAMOND DRILL RECORD

HOLE NUMBER G2

G2

| FOOTAGE | | RECOVERY | | DESCRIPTION | ASSAYS | | | | | | Sample Number | BULK ASSAYS | | | | | | REMARKS | | |
|---------|------|----------|---|--|---|----|-----|-------|--------------------|---------|---------------|-------------|------|----|-----|-------|--------------------|---------|--------------|---|
| From | To | Ft. | % | | From | To | Ft. | % Cu. | % FeS ₂ | Oz. Au. | | Oz. Ag. | From | To | Ft. | % Cu. | % FeS ₂ | | Oz. Au. | Oz. Ag. |
| 0 | 115 | 6 | | (0 - 115½) | | | | | | | | | | | | | | | | |
| | 117½ | 2 | | Boulders of grey and red quartzitic sandstone, white quartz and pink-red Owen congl., with some fawn clay (fluvioglacial sediments) and black pug (104 - 105') | | | | | | | | | | | | | | | No core seen | |
| | 123 | 3¾ | | | | | | | | | | | | | | | | | | 105 - 115½ |
| | 128¾ | 4 | | | | | | | | | | | | | | | | | | |
| | 133 | 2½ | | | | | | | | | | | | | | | | | | |
| | 138¾ | 5½ | | | | | | | | | | | | | | | | | | |
| | 141¾ | 1¼ | | | | | | | | | | | | | | | | | | |
| | 142½ | ½ | | | | | | | | | | | | | | | | | | Core badly broken at |
| | 145½ | 3 | | | (145½ - | | | | | | | | | | | | | | | 128¾ |
| | 150½ | 1 | | | Medium grey, medium grained sandy-styrolitic limestone skyolites/CA | | | | | | | | | | | | | | | 138 - 142½ |
| | 153 | 1½ | | | 80° | | | | | | | | | | | | | | | |
| | 158 | 2 | | Proportion of sand increases from 152-160 and is present as large irregular patches. Irregular plates of limonite ¼" - ⅜" thick occur with broken core at 181 - 182 and 187 - 188. Limestone becomes very pale (grey to cream) in colour at 210 - 215 and from 235 - 259'. From 235 - 259 the limestone looks argillaceous. A weak parting is developed at 60 deg/CA at 189'. 60 deg/CA at 242'. Yellow clay occurs at 251 - 257'. Possible bedding at 70 deg/CA at 241 1 mm to 6 mm dark carbonaceous bands at 247 at 60 deg/CA. Clay occurs at 266 - 267 and appear to be filling solution cavities. | | | | | | | | | | | | | | | | |
| | 159 | ¾ | | | | | | | | | | | | | | | | | | |
| | 165 | 3½ | | | | | | | | | | | | | | | | | | 167 - 170 |
| | 169 | 3½ | | | | | | | | | | | | | | | | | | 145 - 150 |
| | 170½ | 1½ | | | | | | | | | | | | | | | | | | Tends to be puggy at |
| | 171 | ½ | | | | | | | | | | | | | | | | | | 170' 181' |
| | 181 | 2 | | | | | | | | | | | | | | | | | | Core badly broken and |
| | 187½ | 2 | | | | | | | | | | | | | | | | | | ground |
| | 192½ | 1¾ | | | | | | | | | | | | | | | | | | 170½ - 171½ |
| | 201 | 2 | | | | | | | | | | | | | | | | | | 172 - 180 |
| | 201½ | ½ | | | | | | | | | | | | | | | | | 218 - 260 | |
| | 203 | ½ | | | | | | | | | | | | | | | | | | |
| | 218 | 5½ | | | | | | | | | | | | | | | | | | |
| | 232 | 1½ | | | | | | | | | | | | | | | | | | |
| | 241½ | 1¼ | | | | | | | | | | | | | | | | | | |
| | 247 | 1½ | | | | | | | | | | | | | | | | | | |
| | 260 | 2½ | | | | | | | | | | | | | | | | | | |
| | 261 | ½ | | | | | | | | | | | | | | | | | | |
| | 262 | 1 | | | | | | | | | | | | | | | | | | |
| | 265 | 2 | | | | | | | | | | | | | | | | | | |
| | 268 | 1 | | | | | | | | | | | | | | | | | | |
| | 271 | 1¾ | | 281 - 294½ | | | | | | | | | | | | | | | | |
| | 282 | 2½ | | A pale grey to grey-green medium grained argillaceous sandstone. Fragments of schistose looking material appear at 281 - 282. Fragments range from ¼" to 3" in dimensions and have apparently resulted from smashing and grinding of core. From 292 - 294 the sandstone contains 1mm blebs of a black opaque mineral locally tending to concentrated in bands (possibly chlorite). CHROMITE. At approx. 290' the rock has a pronounced parting at 60 deg/CA. | | | | | | | | | | | | | | | | Limestone fragments 281 - 295 appear to have caved from hole further up |

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| FOOTAGE | | RECOVERY | | DESCRIPTION | ASSAYS | | | | | | | Sample Number | BULK ASSAYS | | | | | | REMARKS |
|---------|-------------------|-----------------|---|---|--------|----|-----|-------|--------------------|---------|---------|---------------|-------------|----|-----|-------|--------------------|---------|---------|
| From | To | Ft. | % | | From | To | Ft. | % Cu. | % FeS ₂ | Oz. Au. | Oz. Ag. | | From | To | Ft. | % Cu. | % FeS ₂ | Oz. Au. | |
| 347 | 353 | 5 | | (361 - 384 $\frac{1}{2}$) | | | | | | | | | | | | | | | |
| | 354 | 1 | | Mauve, coarse grained, poorly sorted haematitic conglomerate sands tone consisting of scattered fragments of quartz, quartzite and jasper (angular - rounded), in a medium grained quartz matrix. The overall grain size decr. down the hole as the proportion of conglomerate grains decr. significantly after 364' and the rock grades into a haematitic sandstone containing a moderate proportion of argillaceous material. B/CA - 70 deg. at 363'. Facings indicate that the sequence is the right way up. B/CA 80 deg. at 383 $\frac{1}{2}$ ' | | | | | | | | | | | | | | | |
| | 356 $\frac{1}{2}$ | 2 $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| | 358 $\frac{1}{2}$ | 2 | | | | | | | | | | | | | | | | | |
| | 364 | 6 | | | | | | | | | | | | | | | | | |
| | 374 | 8 $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| | 379 | 4 | | | | | | | | | | | | | | | | | |
| | 381 | 1 $\frac{1}{4}$ | | | | | | | | | | | | | | | | | |
| | 384 $\frac{1}{2}$ | 3 $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| | 385 | 1 $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| | 395 | 9 | | | | | | | | | | | | | | | | | |
| | 405 | 9 $\frac{3}{4}$ | | | | | | | | | | | | | | | | | |
| | 419 | 12 | | | | | | | | | | | | | | | | | |
| | | | | (384 $\frac{1}{2}$ - 419) | | | | | | | | | | | | | | | |
| | | | | Mauve, medium grained quartzite sandstones cut by a band of very coarse grained sandstones (modal 2 mm) 395-397', containing angular fragments of quartz, quartzite, jasper and other lithic fragments. Other thin coarse sandstone bands at the core between 401 and 405, 413 - 416'. B/CA 80 deg. at 402' and 413'. | | | | | | | | | | | | | | | |
| | | | | END OF HOLE. | | | | | | | | | | | | | | | |

Moderate core breakage and grinding 364-376', 377-381. Only minor core breakage and grinding. 381-405

Moderate to badly broken core 405-419.