

# 卷末資料

第 A-1 表 岩石薄片檢鏡結果一覽表

| Sample No. | Depth (m) | Rock type                  | Texture            | Phenocryst or fragment |     |     |    |    |    |     | Groundmass or matrix |    |     |    |    |    |   | Alteration |
|------------|-----------|----------------------------|--------------------|------------------------|-----|-----|----|----|----|-----|----------------------|----|-----|----|----|----|---|------------|
|            |           |                            |                    | ol                     | cpx | opx | pl | op | ol | cpx | opx                  | hb | pl  | kt | oz | gl | sp  |            |
| ND106      | 26.00     | volc. breccia              | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay minerals, interstices → clay + aduralia        |            |
| ND112      | 170.20    | basalt                     | porphyritic        | (Δ)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol → serp, pl partly → carb, gl totally → clay                        |            |
| ND116      | 275.00    | volc. breccia              | clastic            | (Δ)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol totally → clay minerals  |            |
| ND121      | 245.30    | basalt                     | glomeroporphyritic | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & druse totally → clay minerals                                    |            |
| ND122      | 232.30    | tuff breccia               | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & druse totally → clay minerals                                    |            |
| ND123      | 151.80    | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl → clay minerals, druse → quartz + clay                        |            |
| ND205      | 97.70     | basalt                     | porphyritic        | (Δ)                    | Δ   |     |    |    |    |     |                      |    | (O) |    |    |    | pl partly → epidote + albite, druse → clay + carb + qz                |            |
| ND210      | 197.45    | andesite                   | porphyritic        | (Δ)                    | Δ   |     |    |    |    |     |                      |    | (O) |    |    |    | pl & cpx partly → albite, gl → clay, druse → epidote                  |            |
| ND223      | 73.00     | volc. breccia              | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | gl → clay + carb, cpx partly → epidote, pl partly → albite            |            |
| ND238      | 300.00    | volc. breccia              | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol → serp, pl partly → albite, druse → clay                           |            |
| ND240      | 189.70    | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol → clay + carb, gl totally → clay                                   |            |
| ND308      | 126.40    | trachybasalt               | trachytic          | (Δ)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | calcite vein, ol → clay, pl totally → albite, gl & druse → clay       |            |
| ND317      | 224.90    | volc. breccia              | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol → clay, druse → clay + carb.                                       |            |
| ND302      | 50.00     | andesite                   | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | cpx totally → clay, pl → albite, gl & druse → clay + aduralia         |            |
| ND320      | 300.00    | andesite                   | porphyritic        | (Δ)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | qz + carb vein, ol → clay + carb, pl & cpx → carb + qz                |            |
| DD405      | 127.60    | picritic basalt            | porphyritic        | (O)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | ol, gl & druse totally → clay   |            |
| DD407      | 176.50    | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | gl → clay, pl strongly → albite, druse → clay + carb.                 |            |
| DD412      | 300.20    | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl → clay, druse → clay + aduralia + carb                        |            |
| DD429      | 220.60    | volc. breccia              | clastic            | (Δ)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay + carb.  |            |
| DD430      | 235.50    | basalt                     | microcrystalline   |                        |     |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay  |            |
| DD521      | 72.80     | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | carbonate abundant, ol & gl → clay + carb, cpx & pl → carb + alb + qz |            |
| DD523      | 123.00    | carbonatized basalt        | porphyritic        | (O)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | carbonate vein, gl → qz + clay, pl → alb + sericite                   |            |
| DD524      | 150.00    | isilicified breccia        | clastic            | (O)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | ol → qz + serp + carb, gl → clay, pl & cpx → carb + alb.              |            |
| DD525      | 176.60    | basalt                     | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay, pl partly → sericite                          |            |
| DD603      | 70.10     | picritic basalt            | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | all minerals strongly silicified and carbonatized.                    |            |
| DD605      | 152.00    | carbonatized basalt        | porphyritic        | (O)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl → clay + carb, cpx strongly carbonatized.                     |            |
| DD606      | 174.90    | carbonatized tuff breccia  | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl → clay + carb, cpx strongly carbonatized                      |            |
| DD608      | 204.00    | carbonatized volc. breccia | clastic            | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol, cpx & gl → clay + carb, pl strongly → clay + alb                  |            |
| DD609      | 225.85    | carbonatized basalt        | porphyritic        | (O)                    | (O) |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay, druse → carb + clay                           |            |
| DD614      | 135.20    | altered basalt             | porphyritic        | (O)                    | O   |     |    |    |    |     |                      |    | (O) |    |    |    | ol & gl totally → clay, druse → carb + clay                           |            |

abbrev. ol=olivine, cpx=clinopyroxene, opx=orthopyroxene, pl=plagioclase, op=opaque minerals, qz=quartz, hb=hornblende, kt=K-feldspar

gl=glass or microcrystalline aggregate, carb.=carbonate, serp=serpentine

⊙=abundant, ○=common, Δ=small, -rare, ( ) totally decomposed

第 A-2 表 鈦石研磨薄片檢鏡結果一覽表

| Sample No. | Depth (m) | Texture under microscope    | Ore minerals |     |     |     |              | Gangue minerals |    |    |    |     |      |     |      |     |                  |
|------------|-----------|-----------------------------|--------------|-----|-----|-----|--------------|-----------------|----|----|----|-----|------|-----|------|-----|------------------|
|            |           |                             | Py           | Cha | Sph | Aca | Gal          | others          | Si | kf | pl | goe | clay | apa | carb | ser | others           |
| ND103      | 120.20    | silicified volcanic breccia | △            | .   | .   | .   | .            | ◎               |    |    |    | ◎   |      |     |      |     |                  |
| ND104      | 120.40    | silicified volcanic breccia | △            | .   | ◎   | △   |              | ◎               |    |    |    | .   | △    |     |      |     |                  |
| ND215      | 118.40    | silicified volcanic breccia | .            | .   | △   | .   | Hm(·)        | ◎               | △  |    |    | ◎   |      |     |      |     |                  |
| ND217      | 118.65    | silicified volcanic breccia |              |     |     | .   | Mt(·)        | ◎               |    |    |    | △   | ◎    |     |      |     | △                |
| ND227      | 53.30     | silicified volcanic breccia | △            | .   |     |     | Mt(·)        | ◎               | ◎  |    |    | △   | △    |     |      |     |                  |
| ND231      | 245.35    | altered basalt              | .            | .   |     |     | Hm(△)        | △               |    |    | ◎  |     |      |     |      |     | cpx (△), chl (△) |
| ND309      | 152.10    | silicified volcanic breccia | △            | .   | △   | .   | Au(·)        | ◎               | ◎  |    |    | ◎   |      |     |      |     | △                |
| ND310      | 152.20    | silicified tuff breccia     | .            | .   |     |     | Hm(·)        | ◎               | ◎  |    |    | ◎   |      |     |      |     |                  |
| DD414      | 138.25    | silicified volcanic breccia | △            | .   | .   | .   |              | ◎               | ◎  |    |    | ◎   |      |     |      |     |                  |
| DD421      | 182.20    | basalt with quartz vein     | △            | .   | .   |     |              | ◎               | ◎  |    |    | ◎   |      |     |      |     | ◎                |
| DD423      | 190.40    | silicified volcanic breccia | ◎            | △   | .   | .   |              | ◎               | ◎  |    |    | △   |      |     |      |     | ◎                |
| DD426      | 191.20    | silicified tuff breccia     | ◎            | .   | .   |     |              | ◎               | ◎  |    |    | △   |      |     |      |     |                  |
| DD504      | 122.75    | silicified volcanic breccia | ◎            | .   | △   | △   |              | ◎               | ◎  |    |    | △   |      |     |      |     | ◎                |
| DD507      | 152.70    | silicified volcanic breccia | ◎            | .   | .   | .   |              | ◎               | ◎  |    |    |     |      |     |      |     |                  |
| DD510      | 164.10    | silicified volcanic breccia | △            | .   | .   | .   |              | ◎               | ◎  |    |    | △   |      |     |      |     | ◎                |
| DD513      | 182.00    | silicified volcanic breccia | △            | .   | .   | .   |              | ◎               | ◎  |    |    | ◎   |      |     |      |     | △                |
| DD628      | 122.10    | silicified volcanic breccia | .            | .   | .   | .   | Au(·)        | ◎               | ◎  |    |    | ◎   |      |     |      |     | ◎                |
| DD637      | 267.50    | silicified volcanic breccia | △            | .   |     |     | Hm(△), Mt(·) | ◎               |    |    |    |     |      |     |      |     | ◎                |
| DD640      | 297.50    | silicified volcanic breccia | △            | .   |     |     |              | ◎               | △  |    |    | ◎   |      |     |      |     | ◎                |
| DD642      | 75.00     | silicified volcanic breccia | △            |     |     |     |              | ◎               |    |    |    | ◎   |      |     |      |     | △                |

Py=pyrite, Cha=chalcopyrite, Sph=sphalerite, Aca=acanthite, Gal=galena, Au=electrum, Hm=hematite, Mt=magnetite

Si=quartz or SiO<sub>2</sub> polymorphs, kf=K-feldspar, pl=plagioclase, goe=goethite, clay=clay minerals, apa=apatite, cb=carbonate, chl=chlorite

◎=abundant, ○=common, △=small, ·=rare

第 A-3a 表 X線回折解析結果一覽表(1)

| Sample No. | Drill hole | Depth (m) | Silicate |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          | Carbonate |          | Others |         |         |  |  |   |   |  |
|------------|------------|-----------|----------|---------------|------------|-------------|--------------|--------------------|----------|--------------------|----------|------------|----------|-------------|----------|----------|----------|-----------|----------|--------|---------|---------|--|--|---|---|--|
|            |            |           | Silica   |               | Feldspar   |             | Clay mineral |                    |          |                    | Zeolite  |            |          |             |          | Others   |          | Calcite   | Dolomite | Pyrite | Anatase |         |  |  |   |   |  |
|            |            |           | Quartz   | Christobalite | K-feldspar | Plagioclase | Smectite     | Mixed layered(C/M) | Chlorite | Mixed layered(S/M) | Sericite | Heulandite | Stilbite | Epistilbite | Hamotome | Analcime | Pyroxene |           |          |        |         | Epidote |  |  |   |   |  |
| ND102      | MJFV-1     | 120.10    | ⊙        |               | ○          |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  | ○ |   |  |
| ND105      | MJFV-1     | 120.40    | ⊙        |               | ○          |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND106      | MJFV-1     | 26.00     |          |               |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          | △      |         |         |  |  |   |   |  |
| ND107      | MJFV-1     | 50.60     |          |               |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        | △       |         |  |  |   |   |  |
| ND108      | MJFV-1     | 71.70     |          | ○             |            |             | ⊙            | △                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND109      | MJFV-1     | 99.40     | ○        |               | ○          |             |              |                    | ⊙        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   | △ |  |
| ND110      | MJFV-1     | 125.10    |          |               |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND111      | MJFV-1     | 155.00    | ⊙        |               |            |             | △            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND112      | MJFV-1     | 170.20    | ○        |               |            |             | ⊙            | △                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND113      | MJFV-1     | 200.50    |          |               |            |             | ⊙            | ○                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   | ○ |  |
| ND114      | MJFV-1     | 225.90    | △        |               |            |             |              | ○                  | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND115      | MJFV-1     | 249.00    | ○        |               |            |             | ⊙            | ○                  | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND116      | MJFV-1     | 275.00    | ○        |               |            |             | ○            | ○                  | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND117      | MJFV-1     | 300.00    |          |               |            |             | ⊙            | ○                  | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND118      | MJFV-1     | 59.30     |          |               |            |             |              | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND119      | MJFV-1     | 32.60     |          |               |            |             | ○            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND201      | MJFV-2     | 26.00     |          |               |            |             |              | ○                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  | ⊙ | △ |  |
| ND202      | MJFV-2     | 50.00     | ⊙        |               |            |             | △            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND204      | MJFV-2     | 69.00     | ○        |               |            |             | ○            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND205      | MJFV-2     | 97.70     | △        |               |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND206      | MJFV-2     | 118.80    | ⊙        |               |            |             |              | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND208      | MJFV-2     | 147.95    |          |               |            |             | ○            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND209      | MJFV-2     | 176.00    | ○        |               |            |             | ⊙            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND210      | MJFV-2     | 197.45    |          |               |            |             | ⊙            |                    | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND211      | MJFV-2     | 225.40    |          |               |            |             | ⊙            |                    | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND212      | MJFV-2     | 250.50    | ○        |               |            |             | ⊙            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND213      | MJFV-2     | 103.80    | ⊙        |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND214      | MJFV-2     | 118.20    | ⊙        |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND215      | MJFV-2     | 118.40    | ⊙        |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND220      | MJFV-2     | 195.10    | ○        |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND234      | MJFV-2     | 35.70     |          |               |            |             |              |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND301      | MJFV-3     | 28.50     |          | ○             |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND305      | MJFV-3     | 101.20    |          | ○             |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND307      | MJFV-3     | 112.30    |          |               |            |             |              |                    | ⊙        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND308      | MJFV-3     | 126.00    |          |               |            |             | ⊙            | ⊙                  |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND315      | MJFV-3     | 175.00    | ⊙        |               |            |             | ⊙            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND316      | MJFV-3     | 196.60    |          |               |            |             | ⊙            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND317      | MJFV-3     | 224.90    |          |               |            |             | ○            |                    | ⊙        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND318      | MJFV-3     | 247.75    |          |               |            |             | ⊙            |                    |          |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND319      | MJFV-3     | 274.70    |          |               |            |             |              |                    | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |
| ND320      | MJFV-3     | 300.00    | ○        |               |            |             | ⊙            |                    | ○        |                    |          |            |          |             |          |          |          |           |          |        |         |         |  |  |   |   |  |

⊙ abundant ○ common △ small · rare C/M:chlorite/smectite S/M:sericite/smectite

第 A-3b 表 X線回折解析結果一覽表(2)

| Sample No. | Drill hole | Depth (m) | Silicate |               |            |             |              |                    |          |                    |          |            |          |             |           |          | Carbonate |          | Others |         |          |         |  |  |   |   |
|------------|------------|-----------|----------|---------------|------------|-------------|--------------|--------------------|----------|--------------------|----------|------------|----------|-------------|-----------|----------|-----------|----------|--------|---------|----------|---------|--|--|---|---|
|            |            |           | Silica   |               | Feldspar   |             | Clay mineral |                    |          |                    | Zeolite  |            |          |             | Others    |          | Calcite   | Dolomite | Pyrite | Anatase |          |         |  |  |   |   |
|            |            |           | Quartz   | Christobalite | K-feldspar | Plagioclase | Smectite     | Mixed layered(C/M) | Chlorite | Mixed layered(S/M) | Sericite | Heulandite | Stilbite | Epistilbite | Harmotome | Analcime |           |          |        |         | Pyroxene | Epidote |  |  |   |   |
| DD401      | MJFV-4     | 25.00     |          |               |            |             |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD402      | MJFV-4     | 50.00     |          |               |            | ○           | ○            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD403      | MJFV-4     | 75.50     |          |               |            | ○           | ○            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD404      | MJFV-4     | 100.00    | △        |               |            | ⊙           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD405      | MJFV-4     | 127.60    | ⊙        |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD406      | MJFV-4     | 154.60    | ○        |               |            | △           |              |                    | ○        |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  | △ |   |
| DD407      | MJFV-4     | 176.50    |          |               |            |             |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD408      | MJFV-4     | 205.50    |          |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD409      | MJFV-4     | 230.00    | ⊙        |               |            | △           |              |                    | △        |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD410      | MJFV-4     | 250.20    | △        |               |            | ⊙           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ○ |
| DD411      | MJFV-4     | 273.40    | △        |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD412      | MJFV-4     | 300.20    | △        |               |            | ○           | ⊙            |                    | ○        |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD519      | MJFV-5     | 159.50    |          |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD521      | MJFV-5     | 72.80     | △        |               |            | △           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD523      | MJFV-5     | 123.00    |          |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD524      | MJFV-5     | 150.00    |          |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |
| DD525      | MJFV-5     | 176.60    |          |               |            | ·           |              |                    | ○        | △                  |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |
| DD528      | MJFV-5     | 252.40    |          |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |
| DD530      | MJFV-5     | 290.25    |          |               |            | ·           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD531      | MJFV-5     | 132.00    | ⊙        |               |            | ○           | △            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | △ |
| DD601      | MJFV-6     | 25.00     | △        |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ○ |
| DD603      | MJFV-6     | 56.00     |          |               |            | ○           | ○            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD604      | MJFV-6     | 106.00    |          |               |            | ○           |              |                    | ○        |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD605      | MJFV-6     | 125.20    | ○        |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD606      | MJFV-6     | 152.00    | △        |               |            | ○           | ⊙            |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD607      | MJFV-6     | 174.90    | △        |               |            | ·           |              |                    | ⊙        |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD609      | MJFV-6     | 225.85    | ⊙        |               |            | ○           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD611      | MJFV-6     | 272.35    | △        |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |
| DD612      | MJFV-6     | 300.00    | ○        |               |            | ○           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   |   |
| DD613      | MJFV-6     | 116.00    | ○        |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ○ |
| DD614      | MJFV-6     | 135.20    | △        |               |            | △           |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |
| DD632      | MJFV-6     | 255.90    | ⊙        |               |            |             |              |                    |          |                    |          |            |          |             |           |          |           |          |        |         |          |         |  |  |   | ⊙ |

⊙ abundant ○ common △ small · rare C/M:chlorite/smectite S/M:sericite/smectite

第 A-4a 表 化学分析结果一览表(1)

| Sample No.    | Depth(m) | Interval(m) | Au(g/t) | Ag(g/t) | As(ppm) | Sb(ppm) | Hg(ppm) |
|---------------|----------|-------------|---------|---------|---------|---------|---------|
| <b>MJFV-4</b> |          |             |         |         |         |         |         |
| DD413         | 138.15   | 0.10        | <0.008  | 0.4     | 20      | <0.5    | <0.005  |
| DD414         | 138.25   | 0.10        | 0.231   | 2.6     | 60      | <0.5    | 0.005   |
| DD415         | 138.35   | 0.15        | 0.011   | 0.5     | <20     | <0.5    | 0.007   |
| DD416         | 138.50   | 0.15        | 0.613   | 3       | 215     | <0.5    | 0.016   |
| DD417         | 138.65   | 0.35        | 0.155   | 3.4     | 70      | <0.5    | 0.006   |
| DD418         | 180.95   | 0.50        | 0.056   | 4.2     | 145     | <0.5    | 0.021   |
| DD419         | 181.45   | 0.35        | 0.033   | 1.4     | 30      | <0.5    | 0.010   |
| DD420         | 181.80   | 0.40        | 0.052   | 2.5     | 200     | <0.5    | 0.013   |
| DD421         | 182.20   | 0.40        | 0.191   | 3.8     | 200     | <0.5    | 0.012   |
| DD422         | 183.80   | 0.60        | 0.041   | 1.1     | 50      | <0.5    | 0.006   |
| DD423         | 190.40   | 0.20        | 0.393   | 2.3     | 100     | <0.5    | 0.012   |
| DD424         | 190.60   | 0.30        | 0.236   | 1.4     | 90      | <0.5    | 0.013   |
| DD425         | 190.90   | 0.30        | 0.790   | 5.8     | 220     | <0.5    | 0.016   |
| DD426         | 191.20   | 0.10        | 0.195   | 2.9     | 225     | <0.5    | 0.005   |
| DD427         | 295.00   | 0.12        | 0.009   | 0.5     | 20      | <0.5    | <0.005  |
| <b>MJFV-5</b> |          |             |         |         |         |         |         |
| DD501         | 121.45   | 0.35        | 0.291   | 5.4     | 350     | <0.5    | 0.031   |
| DD502         | 121.80   | 0.45        | 2.71    | 165     | 350     | <0.5    | 0.047   |
| DD503         | 122.25   | 0.50        | 13.5    | 140     | 300     | 1.5     | 0.049   |
| DD504         | 122.75   | 0.60        | 27.6    | 900     | 320     | 1.2     | 0.017   |
| DD505         | 123.35   | 0.30        | 0.545   | 8.3     | 300     | 1.4     | 0.045   |
| DD506         | 152.40   | 0.30        | 0.244   | 14.7    | 220     | 0.6     | 0.015   |
| DD507         | 152.70   | 0.30        | 3.55    | 16.5    | 220     | 0.8     | 0.023   |
| DD508         | 153.00   | 0.40        | 1.27    | 4.6     | 90      | <0.5    | 0.034   |
| DD509         | 163.60   | 0.40        | 11.7    | 4.3     | 210     | <0.5    | 0.005   |
| DD510         | 164.10   | 0.30        | 1.51    | 1.5     | 30      | <0.5    | 0.005   |
| DD511         | 172.40   | 0.30        | 0.706   | 1.3     | 50      | <0.5    | 0.005   |
| DD512         | 172.70   | 0.30        | 0.192   | 1.2     | 40      | <0.5    | 0.005   |
| DD513         | 182.00   | 0.30        | 0.498   | 1.5     | 50      | <0.5    | <0.005  |
| DD514         | 185.00   | 0.20        | 5.02    | 4       | 110     | <0.5    | 0.009   |
| DD515         | 186.10   | 0.20        | 1.05    | 1.7     | 140     | <0.5    | 0.056   |
| DD517         | 132.20   | 0.20        | 1.27    | 7.6     | 240     | <0.5    | 0.097   |
| DD518         | 135.20   | 0.20        | 0.362   | 5.1     | 300     | <0.5    | 0.012   |
| DD519         | 136.05   | 0.20        | 7.71    | 9.9     | 200     | <0.5    | 0.050   |
| <b>MJFV-6</b> |          |             |         |         |         |         |         |
| DD615         | 55.35    | 0.20        | <0.008  | <0.4    | 2.0     | <0.5    | 0.011   |
| DD617         | 61.00    | 0.30        | <0.008  | <0.4    | 1.5     | <0.5    | 0.012   |
| DD618         | 61.30    | 0.10        | <0.008  | <0.4    | 1.0     | <0.5    | 0.022   |
| DD619         | 61.40    | 0.30        | <0.008  | <0.4    | 1.0     | <0.5    | 0.009   |
| DD620         | 68.90    | 1.00        | <0.008  | <0.4    | 1.5     | <0.5    | 0.009   |
| DD621         | 71.55    | 1.00        | <0.008  | <0.4    | 6.5     | <0.5    | 0.027   |
| DD622         | 127.10   | 1.40        | 0.016   | <0.4    | 25.5    | <0.5    | 0.008   |
| DD623         | 96.10    | 0.20        | <0.008  | <0.4    | 48.5    | 0.5     | 0.047   |
| DD624         | 112.00   | 1.00        | <0.008  | <0.4    | 29.0    | <0.5    | 0.009   |
| DD625         | 114.00   | 0.20        | <0.008  | <0.4    | 24.0    | <0.5    | 0.030   |
| DD626         | 114.70   | 0.90        | <0.008  | <0.4    | 35.0    | <0.5    | 0.020   |
| DD627         | 120.10   | 0.20        | 0.208   | <0.4    | 42.5    | <0.5    | 0.007   |
| DD628         | 122.10   | 0.20        | 0.198   | <0.4    | 100     | 0.6     | 0.010   |
| DD629         | 124.40   | 0.60        | 0.150   | <0.4    | 44.5    | <0.5    | 0.014   |
| DD638         | 272.55   | 0.55        | 0.039   | 0.8     | 36.5    | <0.5    | 0.012   |
| DD640         | 297.00   | 0.25        | 0.069   | 0.4     | 120     | <0.5    | 0.011   |
| DD641         | 75.05    | 0.85        | 0.036   | <0.4    | 28.0    | <0.5    | 0.020   |
| DD642         | 75.00    | 0.05        | 0.048   | <0.4    | 50.0    | <0.5    | 0.013   |
| DD643         | 74.40    | 0.15        | <0.008  | <0.4    | 3.0     | <0.5    | 0.010   |
| DD644         | 77.70    | 0.85        | <0.008  | <0.4    | 12.5    | 1.3     | 0.016   |
| DD645         | 79.30    | 0.40        | 0.010   | 0.6     | 32.5    | <0.5    | 0.013   |
| DD646         | 256.90   | 2.30        | <0.008  | 0.5     | 50.0    | <0.5    | 0.008   |

第 A-4b 表 化学分析結果一覽表(2)

| Sample No.    | Depth(m) | Interval(m) | Au(g/t) | Ag(g/t) | As(ppm) | Sb(ppm) | Hg(ppm) |
|---------------|----------|-------------|---------|---------|---------|---------|---------|
| <b>MJFV-1</b> |          |             |         |         |         |         |         |
| ND101         | 120.00   | 0.10        | 0.008   | 0.6     | 4.0     | <0.5    | 0.006   |
| ND102         | 120.10   | 0.10        | 0.100   | 0.7     | 13.0    | <0.5    | 0.010   |
| ND103         | 120.20   | 0.20        | 0.318   | 2.1     | 3.0     | <0.5    | 0.005   |
| ND104         | 120.40   | 0.05        | 5.76    | 90      | 40.0    | 0.9     | 0.047   |
| ND105         | 120.45   | 0.35        | 0.404   | 3.5     | 38.0    | <0.5    | 0.047   |
| ND120         | 255.50   | 0.08        | 0.023   | 0.6     | 2.0     | <0.5    | 0.009   |
| ND124         | 212.20   | 0.30        | 0.011   | <0.4    | 2.0     | <0.5    | <0.005  |
| ND131         | 75.80    | 1.05        | <0.008  | <0.4    | 1.0     | <0.5    | <0.005  |
| ND133         | 60.80    | 0.20        | 0.029   | 3       | 46.0    | 3.8     | 1.750   |
| <b>MJFV-2</b> |          |             |         |         |         |         |         |
| ND202         | 50.00    | 1.00        | 0.059   | 1.6     | 12.0    | <0.5    | 0.009   |
| ND212         | 250.50   | 0.07        | <0.008  | <0.4    | 3.0     | <0.5    | 0.012   |
| ND214         | 118.20   | 0.20        | 0.094   | 4.9     | 26.0    | <0.5    | 0.009   |
| ND215         | 118.40   | 0.05        | 0.890   | 1.4     | 8.0     | <0.5    | <0.005  |
| ND216         | 118.45   | 0.10        | 0.895   | 1.6     | 2.0     | <0.5    | <0.005  |
| ND217         | 118.55   | 0.15        | 0.254   | 1.1     | 3.0     | <0.5    | <0.005  |
| ND218         | 118.70   | 0.05        | 0.845   | 3       | 3.0     | <0.5    | <0.005  |
| ND220         | 195.10   | 0.10        | 0.010   | <0.4    | 2.0     | <0.5    | <0.005  |
| ND221         | 195.50   | 0.10        | 0.032   | <0.4    | 3.0     | <0.5    | <0.005  |
| ND222         | 186.00   | 0.18        | 0.018   | <0.4    | 3.0     | <0.5    | <0.005  |
| ND227         | 53.30    | 1.40        | 0.031   | 1       | 37.0    | 0.6     | 0.338   |
| ND231         | 245.35   | 1.00        | 0.010   | <0.4    | 1.0     | <0.5    | <0.005  |
| <b>MJFV-3</b> |          |             |         |         |         |         |         |
| ND303         | 67.40    | 0.15        | 0.010   | <0.4    | <1      | <0.5    | <0.005  |
| ND306         | 104.40   | 0.50        | 0.638   | 1.6     | 85.0    | 11.9    | 0.023   |
| ND309         | 152.10   | 0.10        | 5.06    | <0.4    | 6.0     | <0.5    | 0.005   |
| ND310         | 152.20   | 0.05        | 2.04    | 1       | 7.0     | <0.5    | 0.005   |
| ND311         | 250.25   | 0.40        | 0.021   | 0.4     | 2.0     | <0.5    | <0.005  |
| ND312         | 250.65   | 0.13        | 0.012   | 1       | 1.0     | <0.5    | <0.005  |
| ND313         | 250.78   | 0.17        | 0.015   | <0.4    | <1      | <0.5    | <0.005  |
| ND331         | 174.60   | 1.00        | 0.014   | <0.4    | <1      | <0.5    | <0.005  |
| ND333         | 176.60   | 1.00        | 0.010   | <0.4    | <1      | <0.5    | <0.005  |
| ND337         | 152.00   | 0.10        | 0.835   | <0.4    | <1      | <0.5    | <0.005  |

第 A-5 表 流体包有物の均質化温度測定結果一覧表

| Sample No.         | ND103  | ND120  | ND310  | DD414  | DD421  | DD505  | DD507  | DD627  | DD638  | DD418  | DD509  | DD622  |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Hole No.           | MJFY-1 | MJFY-1 | MJFY-3 | MJFY-4 | MJFY-4 | MJFY-5 | MJFY-5 | MJFY-6 | MJFY-6 | MJFY-4 | MJFY-5 | MJFY-6 |
| Depth(m)           | 120.20 | 255.50 | 152.20 | 138.25 | 182.20 | 123.35 | 152.70 | 120.10 | 272.55 | 180.95 | 163.60 | 127.10 |
| Temperature(°C)    | 221    | 256    | 235    | 181    | 216    | 250    | 233    | 130    | 209    | 237    | 160    | 231    |
|                    | 227    | 275    | 257    | 174    | 223    | 245    | 248    | 130    | 241    | 176    | 206    | 229    |
|                    | 218    | 283    | 230    | 161    | 225    | 245    | 247    | 130    | 217    | 169    | 241    | 195    |
|                    | 228    | 296    | 239    | 173    | 233    | 178    | 260    | 129    | 214    |        | 207    | 242    |
|                    | 225    |        | 237    | 188    | 184    | 183    | 270    | 131    | 251    |        | 188    | 208    |
|                    |        |        | 233    | 177    | 184    | 212    | 253    |        | 274    |        | 216    | 239    |
|                    | 222    |        | 234    | 136    | 219    |        | 227    |        | 269    |        | 180    | 217    |
|                    | 224    |        | 233    | 167    | 228    |        | 261    |        | 241    |        | 158    | 259    |
|                    | 221    |        | 234    | 183    | 223    |        | 261    |        | 247    |        | 203    | 255    |
|                    | 213    |        | 209    | 181    | 221    |        | 217    |        | 240    |        | 222    | 208    |
|                    | 212    |        | 202    | 183    | 233    |        | 213    |        | 252    |        | 208    | 217    |
|                    | 226    |        | 245    | 184    | 189    |        | 192    |        | 252    |        | 173    | 218    |
|                    | 222    |        | 239    | 204    | 190    |        | 265    |        | 250    |        | 170    | 263    |
|                    | 228    |        | 274    | 161    | 243    |        | 273    |        | 254    |        | 190    | 229    |
|                    | 206    |        | 238    | 150    | 217    |        | 177    |        | 259    |        | 187    | 222    |
|                    | 220    |        | 239    | 173    | 217    |        | 198    |        | 269    |        |        | 228    |
|                    | 214    |        | 252    | 286    | 217    |        | 249    |        | 228    |        |        | 233    |
|                    |        |        | 252    | 174    | 214    |        | 257    |        | 269    |        |        | 234    |
|                    |        |        | 239    | 187    | 191    |        | 230    |        | 253    |        |        | 231    |
|                    |        |        | 237    | 186    | 167    |        | 251    |        | 251    |        |        | 250    |
|                    |        | 250    | 176    |        |        |        |        | 294    |        |        |        |        |
|                    |        | 243    | 204    |        |        |        |        |        |        |        |        |        |
|                    |        | 228    | 183    |        |        |        |        |        |        |        |        |        |
|                    |        | 271    | 190    |        |        |        |        |        |        |        |        |        |
| number             | 16     | 4      | 24     | 24     | 20     | 6      | 20     | 5      | 21     | 3      | 15     | 20     |
| average            | 220    | 285    | 240    | 182    | 212    | 219    | 239    | 130    | 249    | 191    | 194    | 230    |
| max                | 228    | 296    | 274    | 286    | 243    | 250    | 273    | 131    | 294    | 237    | 241    | 263    |
| min                | 206    | 275    | 202    | 136    | 167    | 178    | 177    | 129    | 209    | 169    | 158    | 195    |
| standard deviation | 6      | 9      | 16     | 27     | 20     | 33     | 27     | 1      | 21     | 37     | 24     | 18     |
| mode               | 221    |        | 239    | 183    | 217    | 245    | 261    | 130    | 269    |        |        | 231    |

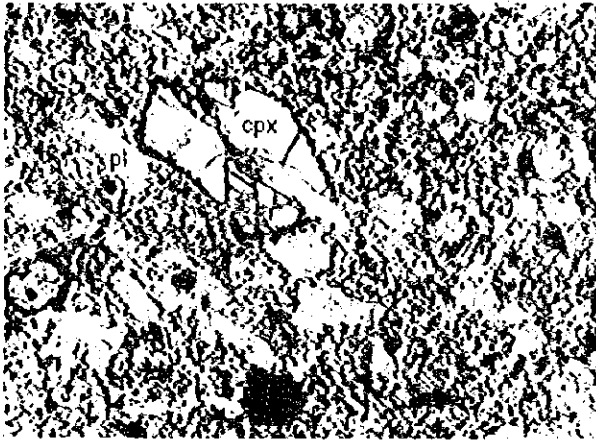


第 A-6 表 ボーリングコア試料の比抵抗及び充電率測定結果一覧表

| No    | Depth(m) | Rock name    | $\rho$ | Ch   | Alteration       |
|-------|----------|--------------|--------|------|------------------|
| ND106 | 26.00    | Basalt       | 55     | 10.3 | smectite         |
| ND107 | 50.60    | Lapilli tuff | 55     | 21.7 | smectite         |
| ND108 | 71.70    | Basalt       | 65     | 6.4  | smectite         |
| ND109 | 99.40    | Tuff breccia | 43     | 13.5 | mixed layered    |
| ND110 | 125.00   | Basalt       | 55     | 6.5  | chlorite         |
| ND123 | 151.80   | Basalt       | 113    | 0.9  | chlorite         |
| ND112 | 170.20   | Basalt       | 519    | 1.6  | chlorite         |
| ND113 | 200.50   | Tuff breccia | 238    | 2.7  | chlorite         |
| ND115 | 249.00   | Tuff breccia | 138    | 3.1  | mixed layered    |
| ND116 | 275.00   | Tuff breccia | 145    | 5.9  | mixed layered    |
| ND117 | 300.00   | Tuff breccia | 177    | 2.9  | mixed layered    |
| ND203 | 35.70    | Lapilli tuff | 20     | 24.2 | smectite         |
| ND234 | 35.70    | Coarse tuff  | 22     | 3.8  | (smectite)       |
| ND205 | 97.70    | tuff breccia | 165    | 4.5  | smectite         |
| ND207 | 120.30   | Basalt       | 168    | 1.9  | smectite         |
| ND229 | 126.90   | Basalt       | 157    | 6.3  | (smectite)       |
| ND208 | 147.90   | Basalt       | 104    | 1.8  | smectite         |
| ND209 | 176.00   | Tuff breccia | 213    | 3.2  | chlorite         |
| ND240 | 189.70   | Andesite     | 409    | 4.6  | (chlorite)       |
| ND210 | 197.45   | Andesite     | 414    | 3.1  | chlorite         |
| ND230 | 200.00   | Tuff breccia | 77     | 0.7  | (chlorite)       |
| ND211 | 225.40   | Tuff breccia | 82     | 2.2  | chlorite         |
| ND233 | 238.40   | Andesite     | 107    | 4.5  | (quartz breccia) |
| ND238 | 300.00   | Tuff breccia | 176    | 3.5  | (chlorite)       |
| ND301 | 28.50    | Andesite     | 243    | 11.8 | (smectite)       |
| ND302 | 50.00    | Andesite     | 395    | 1.0  | (smectite)       |
| ND304 | 79.35    | Andesite     | 33     | 20.3 | pyrite diss.     |
| ND305 | 101.20   | Andesite     | 161    | 3.4  | smectite         |
| ND308 | 126.40   | Andesite     | 60     | 11.7 | smectite         |
| ND315 | 175.00   | Andesite     | 954    | 8.2  | silicified       |
| ND316 | 196.00   | Tuff breccia | 133    | 2.5  | chlorite         |
| ND317 | 224.90   | Tuff breccia | 122    | 1.1  | chlorite         |
| ND318 | 247.75   | Andesite     | 211    | 0.8  | chlorite         |
| ND319 | 274.70   | Tuff breccia | 537    | 7.6  | chlorite         |
| ND320 | 300.00   | Andesite     | 150    | 6.3  | mixed layered    |

写真

ND112



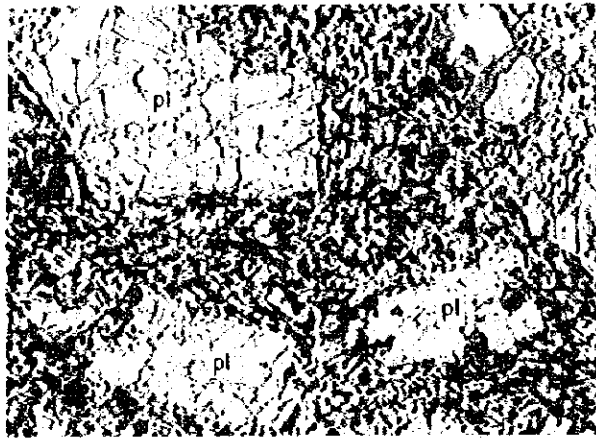
Open nicols



Closed nicols

0 0.5mm

ND205



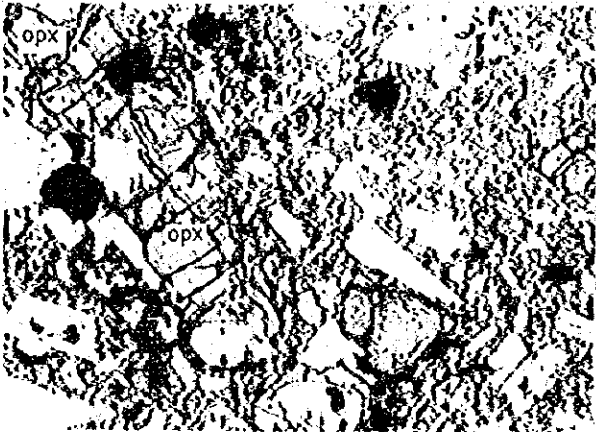
Open nicols



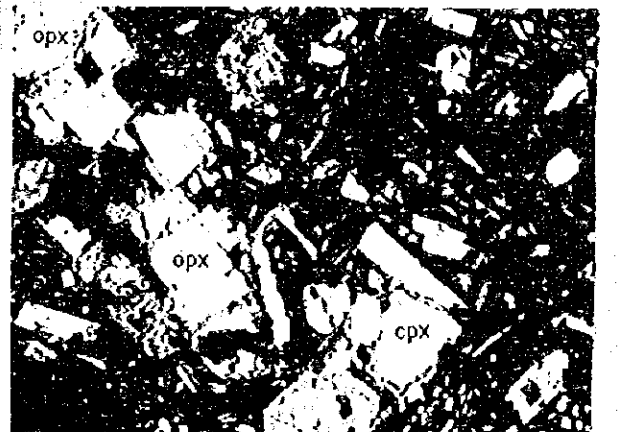
Closed nicols

0 0.5mm

ND302



Open nicols



Closed nicols

0 0.5mm

cpx: Clinopyroxene opx: Orthopyroxene pl: Plagioclase

DD405

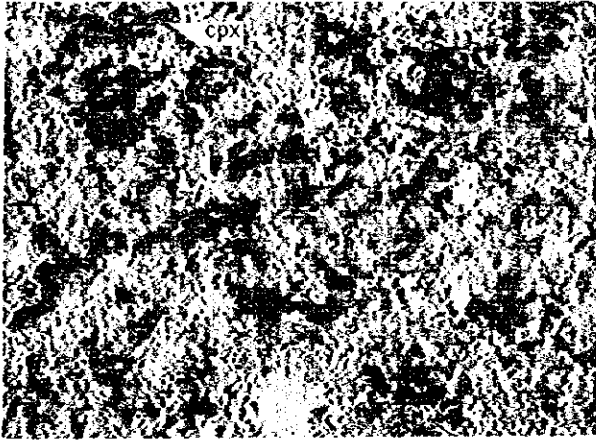


Open nicols



Closed nicols

DD430



Open nicols

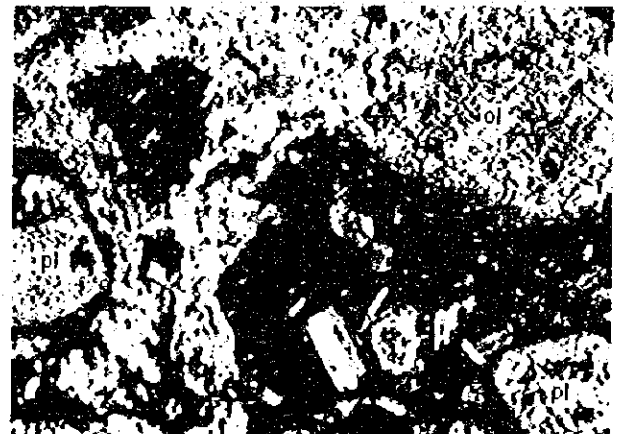


Closed nicols

DD523



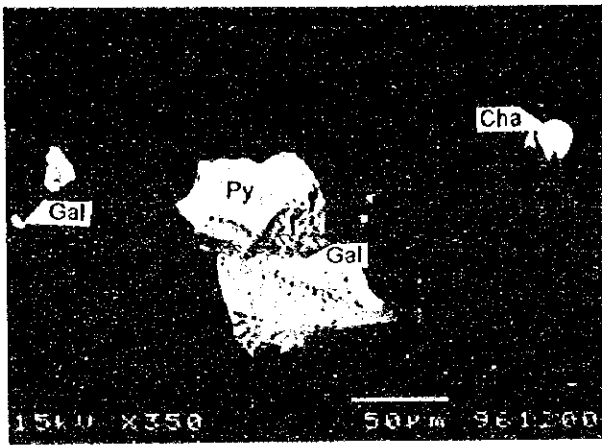
Open nicols



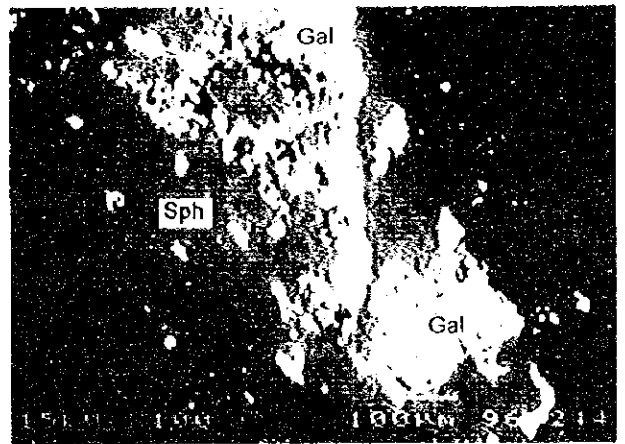
Closed nicols

ol: Olivine cpx: Clinopyroxene pl: Plagioclase

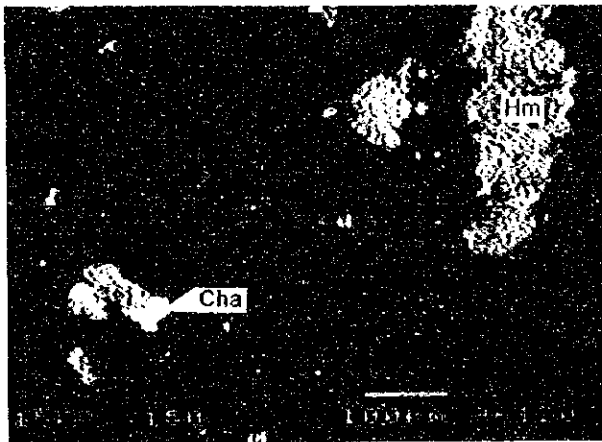
ND103



ND104



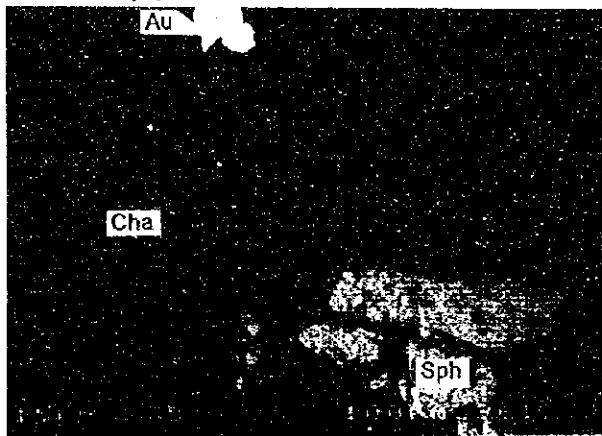
ND215



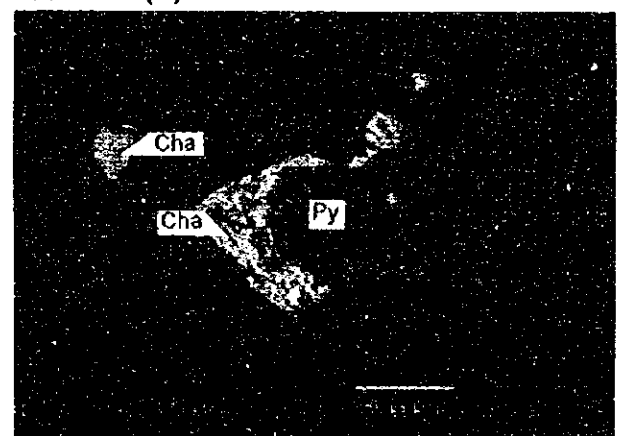
ND217



ND309(1)

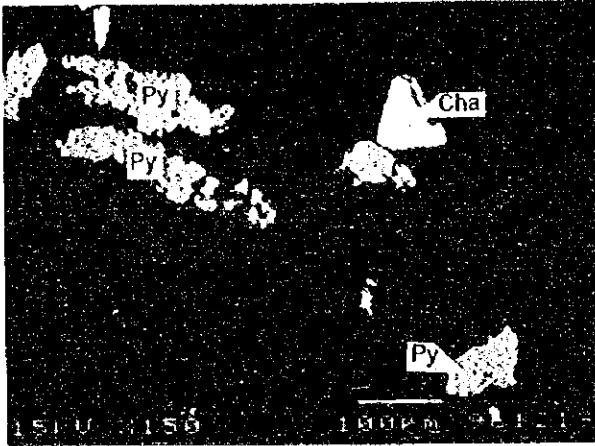


ND309(2)

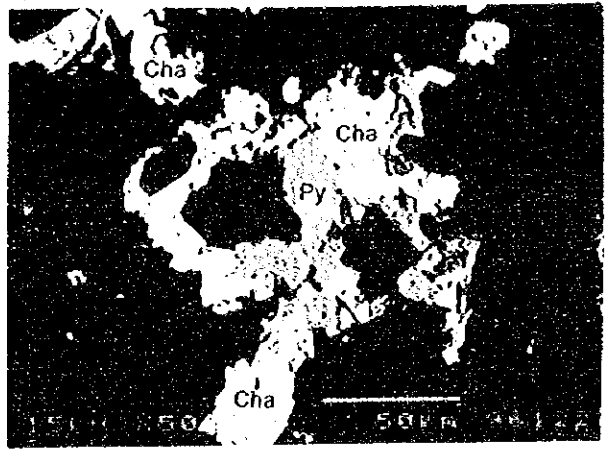


Py: Pyrite Cha: Chalcopyrite Sph: Sphalerite Gal: Galena Au: Electrum

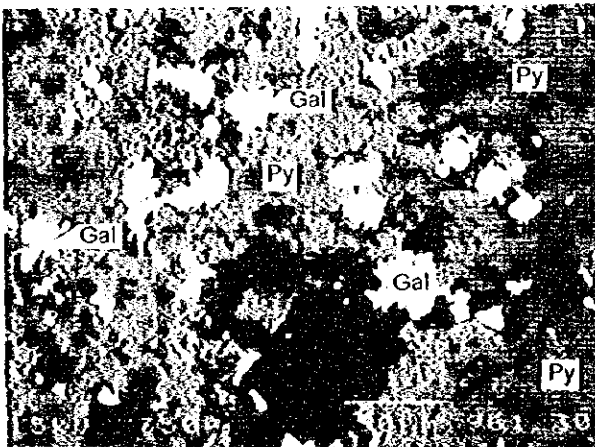
DD414



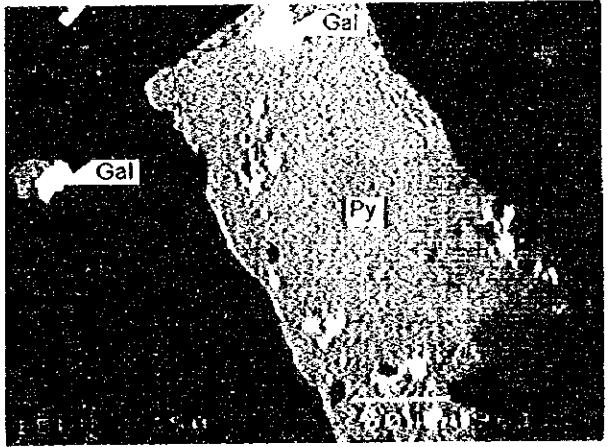
DD423



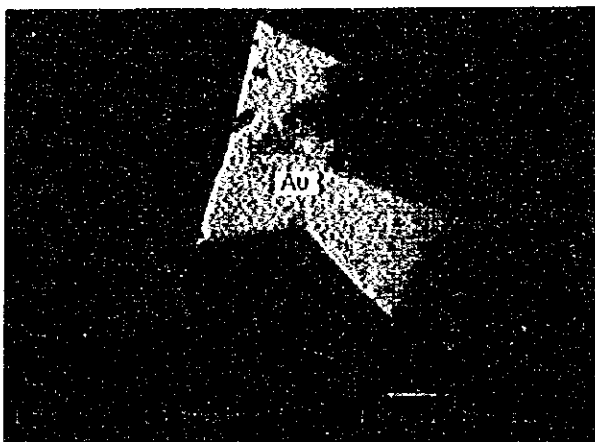
DD504



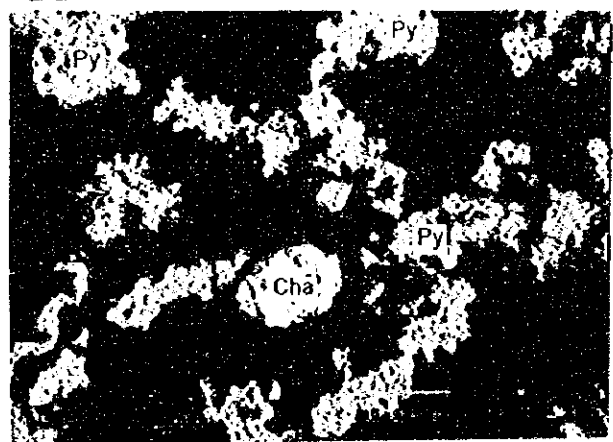
DD507



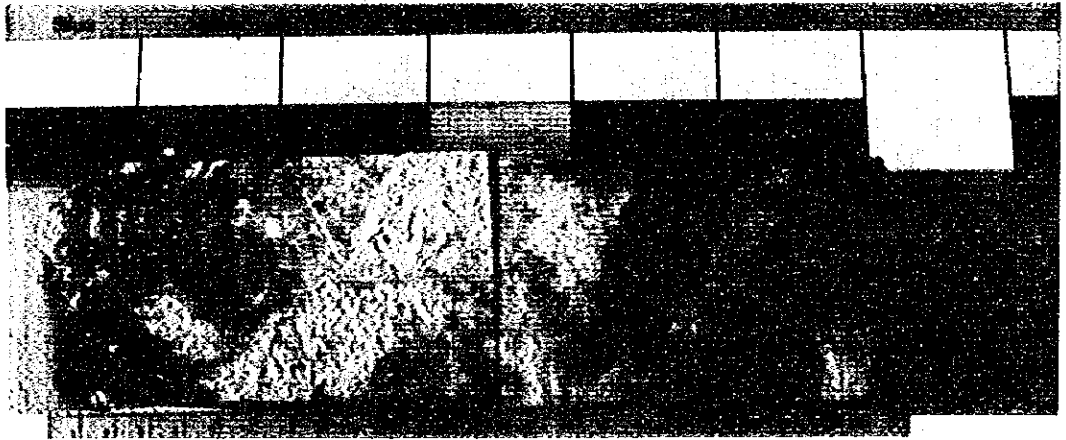
DD628



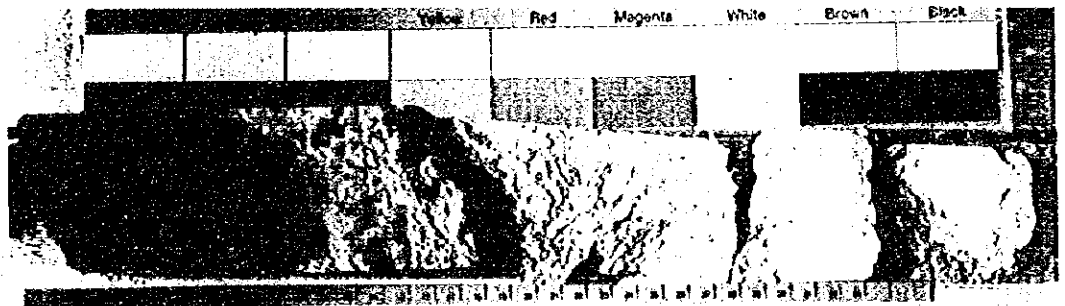
DD640



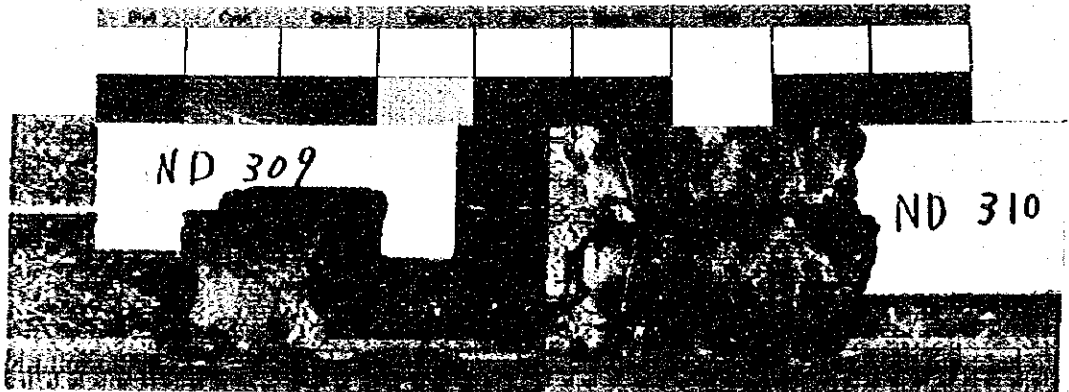
Py: Pyrite Cha: Chalcopyrite Gal: Galena Au: Electrum



MJFV-1 120.20m~120.40m



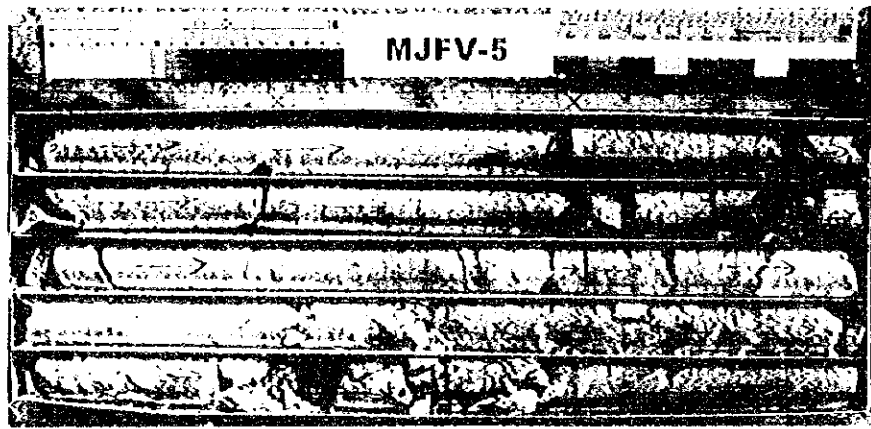
MJFJ-2 118.25~118.80m



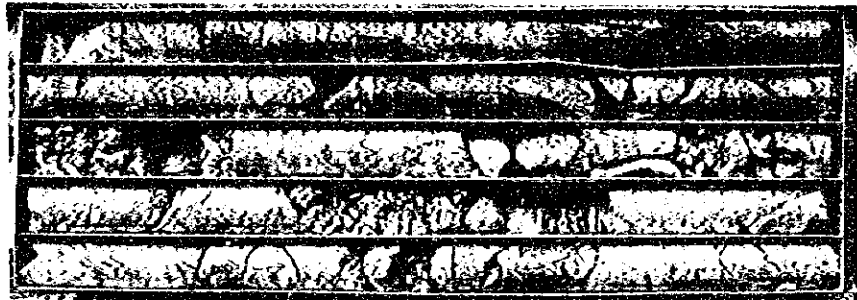
ND309 152.10m~152.20m

ND310 152.20m~152.25m

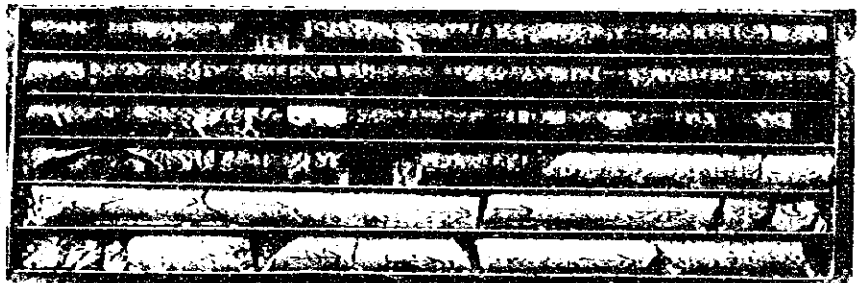
写真5 ホーリングコア写真(1)



119.10m~123.90m



150.20m~154.85m



159.55m~165.30m



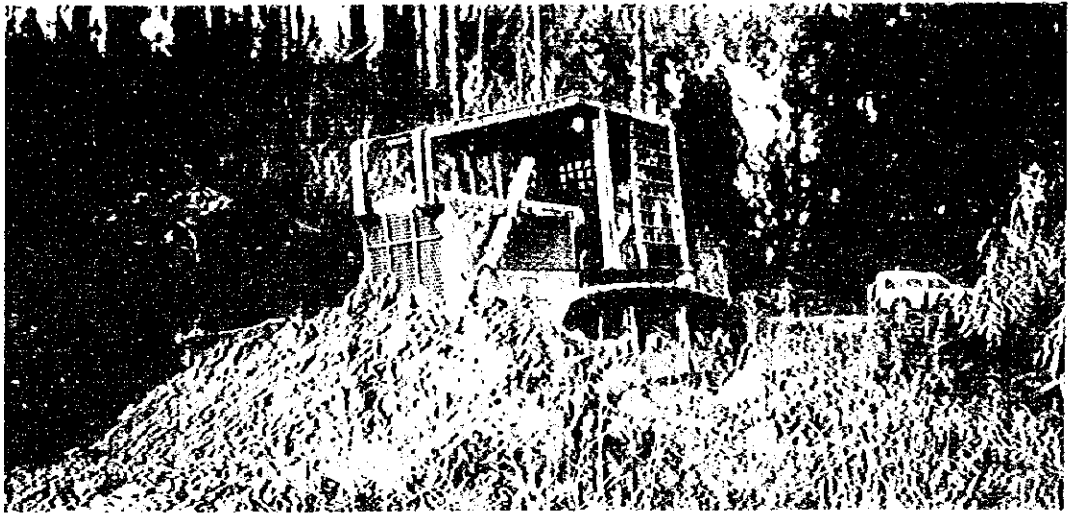
MJFV-5

122.75~123.35<sup>m</sup>

122.75m~123.35m

写真6 ボーリングコア写真(2)

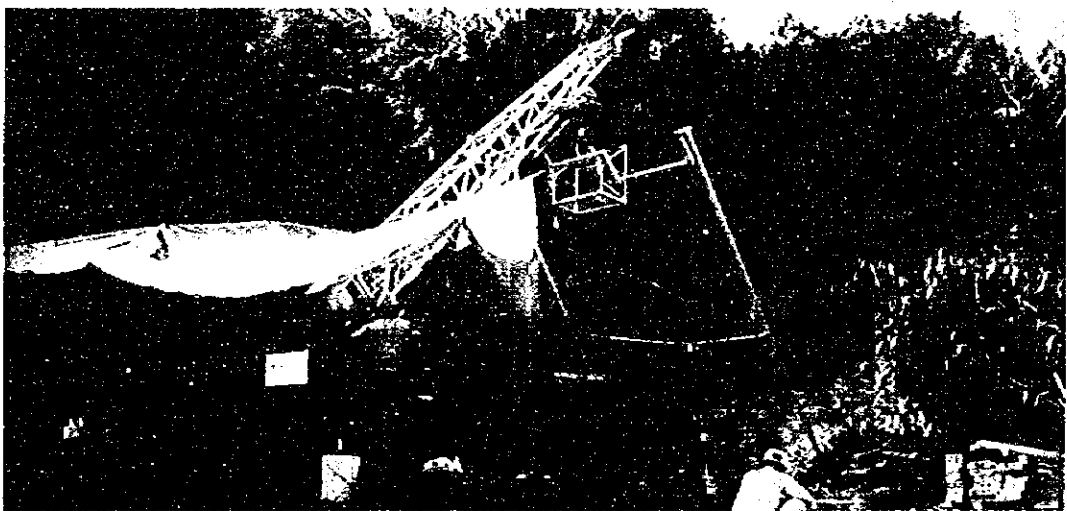




Road Construction by Caterpillar D-6



Perspective View of MJFV-1

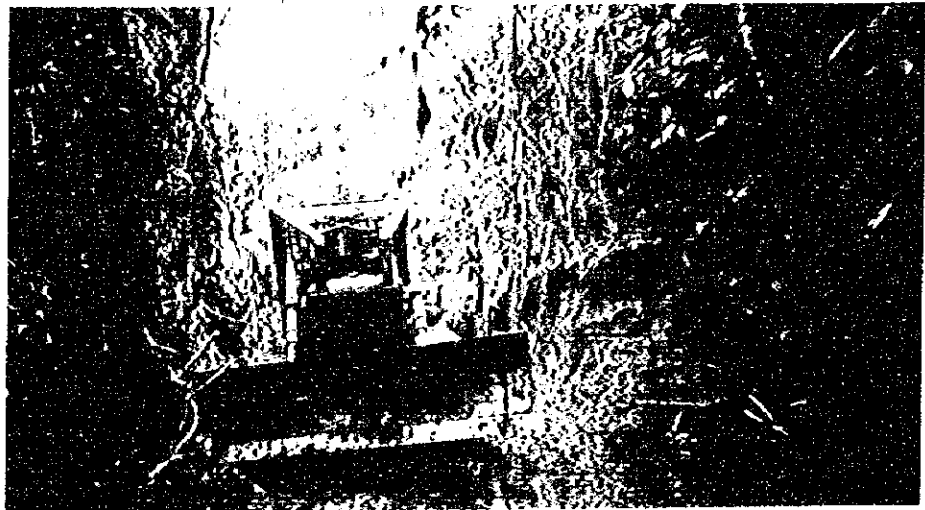


MJFV-2 Drilling Site

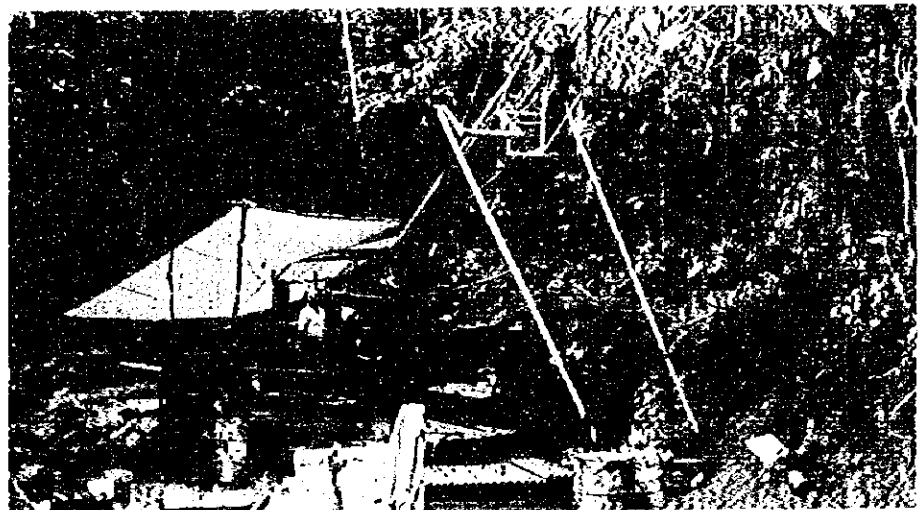
写真 7 ボーリング実施状況 (ナコロウタリ地区)



Road for Drilling Sites



Road Construction by Caterpillar D-6



MJFV-5 Drilling Site

写真 8 ホーリング実施状況 (ダクニンバ地区)

