

# DRILLING RECORD

|                                                   |          |                          |                          |                  |                     |
|---------------------------------------------------|----------|--------------------------|--------------------------|------------------|---------------------|
| SCHEME:-- <b>MERSEY-FORTH</b>                     | POSITION | CO-ORDINATES             | E.                       | N.               | HOLE No.            |
| LOCATION:-- <b>CETHANA</b>                        |          | ON LINE $\frac{XX}{XYA}$ | BEARING $0^{\circ}00'$   | AT CH            | 5422                |
| POSITION PLOTTED ON DRAWING No <b>X3539</b>       | LEVEL    | FROM STN <b>XX</b>       | BEARING $341^{\circ}57'$ | DIST <b>242</b>  | FILE No.            |
| DATES: (a) DRILLED <b>Feb.'58</b> (b) WATER TABLE |          | SURFACE                  | FORMATION                | WATER TABLE      |                     |
| METHOD USED <b>D.D.</b> DIAMETER                  | INCL     | <b>395</b>               |                          |                  | SHEET 1 OF 2 SHEETS |
| SITE REMARKS:                                     |          | HOLE DRILLED             | DEPRESSION ANG.          | INCL BEARING.    |                     |
|                                                   |          | VERT HOR INC             | $36^{\circ}$             | $92^{\circ}$ Mag |                     |

| STANDARD LEVEL | DEPTH | CORE DRAWN | RECOVERY | GRAPHIC LOG | JOINTS         | WATER | REMARKS                                                                                 |
|----------------|-------|------------|----------|-------------|----------------|-------|-----------------------------------------------------------------------------------------|
|                | 0     |            |          |             |                |       | 0-3'6" mid-grey slate with tubicles.                                                    |
|                | 5     |            |          |             |                |       | 3'6"-10' No record.                                                                     |
|                | 10    |            |          |             |                |       | 10'-24'9" white tubicular quartzite. pyrite abundant.                                   |
|                | 15    |            |          |             |                |       |                                                                                         |
|                | 20    |            |          |             |                |       | 24'9" - becomes more slaty.                                                             |
|                | 25    |            |          |             |                |       | dark grey slates with lighter sandy patches and tubicular horizon                       |
|                | 30    |            |          |             |                |       |                                                                                         |
|                | 35    |            |          |             |                |       | Bedding $35^{\circ}$ at 32'0" on tubicular bed in slate.                                |
|                | 40    |            |          |             |                |       |                                                                                         |
|                | 45    |            |          |             |                |       |                                                                                         |
|                | 50    |            |          |             |                |       |                                                                                         |
|                | 55    |            |          |             |                |       |                                                                                         |
|                | 60    |            |          |             |                |       |                                                                                         |
|                | 65    |            |          |             |                |       |                                                                                         |
|                | 70    |            |          |             | 65°/           |       | 66' Bedding and cleavage $35^{\circ}$<br>69'10" Joints at $65^{\circ}$ and $70^{\circ}$ |
|                | 75    |            |          |             | 75°/           |       | Greenish-white pebble or granule conglomerate. Pebbles $\frac{1}{4}$ " diameter.        |
|                | 80    |            |          |             | 40°/           |       | Milky quartz - red quartz grains, haematite and purple chert fragments.                 |
|                | 85    |            |          |             | 45°/           |       | From 72' haematite very abundant and colour purplish - patchy colouration.              |
|                | 90    |            |          |             | 76°/           |       | Slaty band at 86'7" and 89'1" and 92'                                                   |
|                | 95    |            |          |             | 80°/ 40°/ 45°/ |       | Dip $35^{\circ}$ on slate band at 90'4"                                                 |
|                | 96    |            |          |             | 45°/           |       | leached zone (clay) gives holes in core at 91'                                          |
|                |       |            |          |             |                |       | lighter colour from about 98' and finer grained.                                        |

core broken up to 6" by joints and drilling.

Pieces up to 18"

# DRILLING RECORD

|                                                     |          |                 |                 |              |                                               |
|-----------------------------------------------------|----------|-----------------|-----------------|--------------|-----------------------------------------------|
| SCHEME-- <b>MERSEY - FORTH</b>                      | POSITION | CO-ORDINATES    | E               | N            | HOLE No.<br><b>5422</b>                       |
| LOCATION-- <b>CETHANA</b>                           |          | ON LINE         | BEARING         | AT CH.       |                                               |
| POSITION PLOTTED ON DRAWING No.                     |          | FROM STN.       | BEARING         | DIST.        |                                               |
| DATES: (a) DRILLED <b>Feb. 58</b> . (b) WATER TABLE | LEVEL    | SURFACE         | FORMATION       | WATER TABLE  | FILE No.                                      |
| METHOD USED <b>D.D.</b> DIAMETER                    |          |                 |                 |              |                                               |
| SITE REMARKS                                        | INCL     | HOLE DRILLED    | DEPRESSION ANG. | INCL BEARING | SHEET<br><b>2</b><br>OF<br><b>2</b><br>SHEETS |
|                                                     |          | VERT. HOR. INC. |                 |              |                                               |

| STANDARD LEVEL | DEPTH | CORE DRAWN | RECOVERY | GRAPHIC LOG | JOINTS                                         | WATER | REMARKS                                                                                                                         |
|----------------|-------|------------|----------|-------------|------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------|
|                | 100   |            |          |             |                                                |       |                                                                                                                                 |
|                | 105   |            |          |             | 60° /<br>65° /                                 |       | Quartzite purplish and sandy down to 109'6"<br>104' - about 12" purple with white spots -<br>Bedding dip 45°. coarse sandstone. |
|                | 110   |            |          |             | v                                              |       |                                                                                                                                 |
|                | 115   |            |          |             | 45° /                                          |       | 109'6" - 127' White quartzitic sand-<br>stones with some finer bands.<br>112'-114' pitted and leached - iron stained.           |
|                | 120   |            |          |             | 80° /<br>65° /                                 |       | From 119' white mottled appearance but<br>Thin greenish slate, dip 45°. same grainsize.                                         |
|                | 125   |            |          |             | 45° /<br>70° /                                 |       | 122' 65° joint slickensided - 30°.                                                                                              |
|                | 130   |            |          |             | 45° /                                          |       | Develops into grey tubicolar sandstone<br>and quartzite                                                                         |
|                | 135   |            |          |             |                                                |       | 133'9" cavity with clay, tourmaline, chalcopryite.                                                                              |
|                | 140   |            |          |             | Core to 6" lengths:<br>30° /<br>30° /<br>55° / |       |                                                                                                                                 |
|                | 145   |            |          |             | v                                              |       |                                                                                                                                 |
|                | 150   |            |          |             | 40° /<br>60° /                                 |       |                                                                                                                                 |
|                | 155   |            |          |             | 45° /                                          |       | Frangible sandy patch - yellowish colour and<br>pits 153'-156'.                                                                 |
|                | 160   |            |          |             | 50° /                                          |       | Last 6" yellowish colour.<br>End of hole 159'7".                                                                                |
|                | 65    |            |          |             |                                                |       |                                                                                                                                 |
|                | 70    |            |          |             |                                                |       | Logged G.Hate                                                                                                                   |
|                | 75    |            |          |             |                                                |       |                                                                                                                                 |
|                | 80    |            |          |             |                                                |       |                                                                                                                                 |
|                | 85    |            |          |             |                                                |       |                                                                                                                                 |
|                | 90    |            |          |             |                                                |       |                                                                                                                                 |
|                | 95    |            |          |             |                                                |       |                                                                                                                                 |
|                | 60    |            |          |             |                                                |       |                                                                                                                                 |