## Attachment A1 Drilling Log

| SITE        |                 | Ронег               | House             | B         |                  |               |  |                   |            |             | HOLE NO.             | SK-102          |                             |                            |                 |          |
|-------------|-----------------|---------------------|-------------------|-----------|------------------|---------------|--|-------------------|------------|-------------|----------------------|-----------------|-----------------------------|----------------------------|-----------------|----------|
| LATIT       | UDE             | 0303.               |                   |           |                  | 75.17         | LONGTTUDE 5971.89  |                   |            |             | ELEVATION            |                 |                             |                            | 615.            |          |
| DATE        |                 |                     | 10 - 1            | Oct 30    | 0, 198           | 19*           | N-A0°  |                   |            |             | DEPTH                | <b> </b>        |                             |                            | 341.0           | μQm      |
| ANGLE       |                 | 100<br>189<br>00x34 | . 1               | 60.       | DIREC            | TION          | 270* 5 0.00 SLOPE  | 94                | <u>. [</u> | JION 0.00   |                      |                 |                             | -                          |                 |          |
| (iii)       |                 | Sol                 | GEOLOGICAL<br>AGE | TypE      | Z                | SS            | DESCRIPTION  | ]                 | IT S       | HATER 1 SVR | COME REC-<br>OVERY X | N.O.D           | HATER PHE                   | SSURE<br>Value             | TEST            |          |
| SCALE (m)   | DEPTH           | ELEVATION           | 3EOLO             | ROCK TYPE | SECTOR           | ROCK<br>CLASS |  | 범                 | BIT S      | CHOCHE      | (m)                  | (m)<br>50 100 0 | N<br>Lugad<br>K Yalua<br>10 | n Valut<br>: cm/s<br>≥0 30 | :<br>iec<br>) 4 | o 50     |
|             |                 |                     | Nation=1          | ice mit   |                  |               |  | 6/19<br>(1,00)    |            |             |                      |                 |                             |                            |                 | ·        |
| - 1         | 1.67            | 614.20              |                   | <u> </u>  | 긐                |               | Roderately weathered rock  | 11.001            |            |             |                      |                 | •                           |                            |                 |          |
| 5           |                 |                     |                   |           | 宝                | a-dA          | Light braun.   | ١.                |            | 1           |                      |                 |                             |                            |                 |          |
| 3           | 3.00            | 8)2.23              | . 1               |           | 主                |               | *  | 3,80              |            |             |                      |                 |                             |                            |                 |          |
|             |                 |                     |                   |           | 字                |               | Moderately weathered rocks.  Joint: stained brown, with thin   |                   |            |             |                      |                 |                             |                            |                 |          |
| ,<br>Ludui  |                 |                     |                   | 1.        | 昱                |               | clay, 45-60deg.<br>8 4-8.6m: Greenish gray clay (3cm)  |                   |            |             |                      |                 |                             |                            |                 |          |
| 5:<br>      |                 | . '                 |                   | :         | 坒                | AD-E IV       | in80deg. joint.  | 5/22<br>(5.45)    |            |             |                      |                 |                             |                            |                 |          |
| - 6         |                 |                     |                   |           | 主                |               | 12.8-13.6m: Ifregular openings<br>filled by greenish brown   |                   |            |             |                      |                 |                             |                            |                 |          |
| - 7         |                 |                     |                   |           | 逹                |               | clay (i-3co).  |                   |            |             |                      |                 |                             |                            |                 |          |
| В           |                 |                     |                   |           | 弄                |               | Solution is rare.  | 5/23<br>(9.45)    |            |             |                      |                 |                             |                            |                 |          |
|             | - 8             | <b>83.</b> 62       |                   |           | 臣                |               |  | ( <u>(a), 45)</u> |            |             |                      | \$1111          |                             |                            | .               |          |
| 1           |                 |                     |                   |           | 茎                | İ             |  |                   |            | 1           |                      |                 |                             |                            |                 |          |
| 10          |                 |                     |                   |           | 丟                | ACIV          |  | 524               |            |             |                      |                 |                             |                            |                 |          |
| - 11        |                 |                     |                   |           | 団                | HE 14         |  | (11.10 <u>)</u>   |            |             |                      |                 |                             | ,                          |                 |          |
| - 15        |                 |                     |                   |           | 芸                |               |  |                   |            | 1           |                      |                 |                             |                            | . }             | 1        |
| - 13        | 12.20           | E2.G                |                   |           | 岦                | AdIV          |  |                   | -          |             |                      |                 |                             |                            |                 |          |
|             |                 | C12                 |                   |           | 뫂                | MILL          |  |                   |            |             |                      | 3.5             |                             |                            |                 |          |
| - 14        |                 |                     | not               | ٠.        | 宝                |               | kodarately weathered rocks. Light brown-light gray.  | 5/23<br>(15.10)   |            |             |                      |                 |                             |                            |                 |          |
| — 15<br>—   |                 |                     | forsat            | Linestone | 玉                | /2-cl11       | Joint: stained brown, open partly,   | (15.10)           | DG 10      | "           |                      |                 |                             | i                          |                 |          |
| - 15        |                 |                     | Madire formation  | 2         | 民                |               | 20-45 & 69deg.<br>21.4-21.8a: Yertical open joint,   |                   |            |             |                      |                 |                             |                            |                 |          |
| - 17        | 12.25           | 539.03              | 2                 | :         | 弄                |               | filled by catsite (100)  | 5/28<br>[17.20]   |            |             |                      |                 |                             |                            |                 |          |
| 18          | 17.26           | _537.55             |                   |           | 主                | tb-c1         | 27.4-27.5x 70deg, joint filled by green clay(tcn)  |                   |            | 1           |                      |                 |                             | Ì                          |                 |          |
|             |                 |                     |                   | 1<br>  -  | 臣                |               | Solution is rare.  | 1                 |            | 1           |                      | 製料              |                             |                            |                 |          |
| — 19<br>-   |                 |                     | 1:1               |           | 逹                |               |  | 5/23<br>[23.65]   |            |             |                      |                 |                             |                            |                 |          |
| — 20<br>-   | ·               | i                   |                   |           | 厗                | V2-EIA        |  | [23.65]           |            |             |                      |                 |                             |                            |                 |          |
| - 2i        | *               |                     |                   |           | 弄                |               |  | )                 |            |             |                      |                 |                             |                            |                 |          |
| - 55        | ļ               |                     |                   |           | 목                |               | Marian Sanaharan<br>Marian   | 1                 |            |             |                      |                 |                             | .                          |                 |          |
| -<br>- 23   | 23.65           | 503.20              |                   |           | 陸                |               |  |                   |            |             |                      |                 |                             |                            |                 |          |
| , l         |                 |                     |                   |           | 臣                |               |  |                   |            |             | N. H. Y.             |                 |                             |                            |                 |          |
| - 24<br>-   |                 |                     |                   |           | 芸                | 115-61        |  |                   |            |             | 群群群                  |                 |                             |                            |                 |          |
| - 25        |                 |                     | 4,                |           | 幸                |               |  |                   |            |             |                      |                 |                             |                            |                 |          |
| <b>–</b> 26 | 25.63<br>_25.63 | 50.5<br>59.2        |                   |           | 臣                | 722-CT        |  |                   |            | Į.          |                      |                 |                             |                            |                 |          |
| - 27        | 27,00           | 523.20              |                   |           | 苤                | 13: E!II      |  | 5/29<br>[27.10]   |            |             |                      |                 |                             |                            |                 |          |
| L L         | 27.5%           | _501.E              |                   |           | 丟                |               | Conglosgratic lisestone, very hard,  |                   |            | 1           |                      |                 |                             |                            |                 |          |
| <u> </u>    |                 |                     |                   | + 4,-     | 丟                | Ne III        | Congloseratic lisections, very hard, cosposed of green-gray clayey estrix 6 0.5-1,0cm grayels of lisections (tight brown, Oce in eax. size). |                   |            | -           |                      |                 |                             |                            |                 |          |
| - 20        |                 | 5.55                |                   |           | 丟                |               | 27.90-20.30x 1.0cm green clay along  | .                 |            |             |                      | 130             |                             |                            |                 |          |
| - 30        | 31.60           | 5/5.25              |                   |           | ነ <del>ተ</del> ዣ | 1             | vertical loint.  | <u> </u>          | <u> </u>   | 1_          |                      | Singli          |                             | 1                          | 1               | <u> </u> |

An an in so as a superior of the state of th

| TE        |            | Power     |                       | e         |        |          |  |                      | 1 -              |                 | HOLE NO.   | SK-102          |          |                  |                |               | 25-   |
|-----------|------------|-----------|-----------------------|-----------|--------|----------|--|----------------------|------------------|-----------------|--|-----------------|----------|------------------|----------------|---------------|-------|
| TITU      | JOE        | 0303.     |                       | Oct       | 0 10   | 10 *     | LONGITUDE 5971.89  |                      |                  |                 | ELEVATION DEPTH  |                 | <u> </u> |                  |                | 615.<br>341.  | _     |
| IE        | <u></u>    | Hay<br>IE |                       |           | 0, 19  | 13_      | 1 1/6  |                      | HORIZ            | CH .            | INCHIN   | <u></u>         |          |                  |                |               | UVIII |
| GLE       |            | 0010      | . 7                   | 0.00      | OTHER  | TION     | 270° SLOPE   | 91                   | . <i>P</i>       | 0,00*           |  |                 |          |                  | · ·            |               |       |
| <b>E</b>  |            | ELEVATION | GEDLOGICAL<br>AGE     | ROCK TYPE | ¥ Noi! | , ASS    | DESCRIPTION  |                      | IT B<br>OLAMETER | 9 LEVEL         | CORE REC-<br>OVERY X   | R.O.D<br>X      | HAT      | ER PR            | SSURE          | TEST          |       |
| SCALE (B) | CEPTH      | EV.       | )<br>)<br>)<br>)<br>) | <u>გ</u>  | COLUMN | දි<br>දු |  | DATE                 | BIT              | SPOUND          | (n)<br>0 50 1000   | (m)<br>50 100   | 0        | Luger<br>K Value | on valu<br>cn/ | e<br>sec<br>D | 10    |
| 31        |            | ļ         |                       |           | 芸      |          | Congloweratic limestone, very hard,<br>composed of greenish gray clayey<br>matrix and 0.3-fcm dia grayels of<br>limestone (light brown, 10cm dia, in |                      |                  |                 | 制料   |                 |          |                  |                |               |       |
| 32        |            |           |                       |           | 芸      | AcIII    | timestone (ingot orom, nuce bid. in<br>max.);<br>Solution is seen very rarely.<br>Shinter to-Widen & rarely 60-80dno                                 |                      |                  | -<br> -         |  |                 |          |                  |                |               |       |
| 33        | :          |           |                       |           | 臣      |          | Solution is seen very rarely. Joints: 10-30deg. & rarely 60-80deg. stained brown 32.80-30.20m Oxidation brown stained) along 30 & 70deg. joints.     | 5/30<br>(33 20)      |                  |                 |  |                 |          |                  |                |               |       |
| - 33      | _31.20     | 592.05    |                       |           | 辛      |          | 43.90-44.10s. Brown clay along   | 155 50               |                  |                 |  | HUH             |          |                  |                |               |       |
| 34        |            |           |                       |           | 亞      | keli     | 50deg. joint.  | [ .                  |                  |                 |  |                 |          |                  |                |               |       |
| 35        | 35.00      | .502.25   |                       |           | 芫      |          |  |                      | li               |                 |  |                 |          |                  |                | Į.            |       |
| 33        |            |           |                       | ĺ         | 宝      |          |  |                      |                  |                 |  | 付付              |          |                  |                |               |       |
| 36        |            | ·         |                       |           | 茳      |          |  |                      |                  |                 |  |                 |          | )                |                | •             |       |
| 37        | .          |           |                       |           | 莊      | ACIII    |  |                      |                  |                 |  |                 |          |                  |                |               |       |
| "         |            |           |                       |           | 王      | 1:-1     |  | 5/31<br>(39,00)      |                  |                 |  |                 |          |                  |                |               | 1     |
| 38 -      | 39.60      | .577.25   |                       | .:        | 迚      |          |  | (39.00)              |                  |                 |  |                 |          |                  |                |               |       |
| 30        |            |           |                       |           |        |          |  | ]                    |                  |                 |  |                 |          |                  |                |               |       |
| 39        | ļ          |           |                       |           | 뫂      |          |  | -                    |                  |                 | 214  |                 | 1        |                  |                |               |       |
| 40        | .          |           |                       |           | 臣      | le I I   |  |                      | -1               |                 |  |                 |          |                  |                |               |       |
| 4.        |            |           | •.                    |           |        | [ • [    |  |                      |                  |                 |  |                 |          |                  |                |               |       |
| 43        |            |           |                       |           | 芒      |          |  |                      |                  |                 |  |                 |          |                  |                |               |       |
| 42        | /2.25      | 573.00    | 1                     | ٠.        | 茔      |          |  |                      |                  |                 |  | 341             |          |                  | . !            |               |       |
|           | ]          |           |                       | (         | 完      |          |  |                      |                  | <b>\$</b> 744   |  |                 | . ]      |                  |                |               |       |
| 43        |            | ,         | · .                   |           | 工工     | ]:       |  | 6/t                  |                  | 8/14<br>(43,40) |  |                 |          | 1                |                |               |       |
| 44        |            |           | ક                     |           | 压      | Aclii    |  | 6/1<br>(4. <u>09</u> | 1                |                 |  |                 |          |                  |                |               |       |
| _         | * .        |           | Codine formation      | Ę         | 压      | weili    |  |                      | 00.101           |                 |  |                 |          | 1                |                |               | 1     |
| 45        |            |           | 13 ft                 | Limestone | 字      | {        | t e  | ļ                    |                  |                 |  |                 |          |                  |                |               |       |
| 46        | **         | Emp phi   | ig.                   |           | 译      | .        |  |                      |                  |                 | NEW PARK   |                 |          | Į                |                |               |       |
| _ _       | 20.5       | _E3.E     |                       |           | 宝      |          |  |                      |                  |                 | REPORT OF THE PARTY OF THE PART |                 |          |                  |                |               |       |
| 47        |            |           |                       |           | 茳      | ] ]      |  |                      |                  |                 |  |                 |          |                  |                |               | 1     |
| 48        | .n.m       | . 551.25  |                       |           | 异      | 13-C14   | Clintily washaned sarks  |                      |                  |                 |  |                 |          |                  |                |               | 1     |
| 1         | [          |           |                       |           | 宝      |          | Slightly weathered rocks.<br>Light brown,  |                      |                  |                 |  | <b>11111111</b> |          |                  |                |               |       |
| 49        | . 12.5E    | 5:5.1/    |                       | '         | 臣      |          | Joints; 20-40deg., rarely 60-70 &  |                      |                  |                 |  |                 |          |                  |                |               |       |
| i0        |            |           |                       |           | 洁岩     | 131-01   | 90deg., brown stained, partly with   | 6/2                  |                  |                 |  |                 | .        |                  |                |               |       |
| <u> </u>  | 50.55      | 531.13    |                       |           | 至      |          | thin clay.   | 6/2<br>(50,56)       | 1                |                 |  |                 |          |                  |                |               |       |
| 51        |            |           |                       |           | 臣      | is-cly   | 55.1-55.75: Cores are Postly<br>Transcents.  | [                    |                  |                 |  |                 |          |                  |                |               |       |
| 25        | _52.03     | 553.29    |                       |           | 냪      |          |  |                      |                  |                 | HARIFIE  | #7-11-1         |          |                  |                |               | ŀ     |
|           | ]          |           |                       |           | 字      |          | 55.75-57.4m Dark gray.<br>Joint: 10-20deg. with a little   |                      |                  | 5/6<br>[52.79]  | HAMMA  |                 |          | '                |                |               |       |
| 13        |            |           |                       | 1         | 臣      | 1113-61  | solution.  |                      |                  |                 |  |                 |          | 1                |                |               | 1     |
| 54 -      | 5 <u>0</u> | _551.23   | ٠,                    |           | 臣      |          |  | 6/3<br>(54.99)       |                  |                 |  |                 |          | -                |                |               |       |
|           |            |           |                       |           | [注]    | 12-614   |  |                      |                  |                 |  |                 |          |                  | l              |               |       |
| 55 _      | 50.10      |           | 1.14                  |           | 苎      | fc-dly   |  |                      |                  |                 | NA HAR   |                 |          | 1 .              |                |               |       |
| 56        | .55.E1     | _ear      |                       |           | 罢      |          |  |                      | · '              |                 |  |                 |          | 1                |                | }             | ١     |
| 7         |            |           |                       |           | 胚      | VICA     |  | ľ                    | . 1              |                 |  |                 |          |                  |                |               |       |
| 57        | 57.69      | _557_00   | •                     |           |        |          |  |                      |                  |                 | W PAR  |                 | 1        | [ .              |                |               |       |
| _         | _57_69     | 207.30    |                       |           | 苎      | Mipy     | Hoderately weathered rocks, Grown-<br>light brown.   |                      |                  |                 |  |                 |          |                  |                |               |       |
| 50        | _53.54     | Made      | · .                   | 1         | 完      | AELV     | Joints: stained brown, 10-30deg.<br>50.5-58.8x: Highly realnesed along<br>40deg. joint, with brown clay  | 1                    | \                |                 |  |                 |          | 1                |                |               | 1     |
| SI        | <u> </u>   | 100       |                       |           | 岸      | VallA    | 40deg. joint, with brown clay.   |                      |                  | ':              |  |                 |          |                  |                |               |       |
| . [       |            | -         | 2.5                   |           | 一      | ADIY     |  |                      |                  |                 | LAND THE   |                 |          |                  |                |               |       |

esterilla ol el ASIBALIO.

| SITE         |                                  | Power                         | House             | 2            |        |               |  |                 |                   |                       |  | 102                                       |                                       |                                      |          |        |
|--------------|----------------------------------|-------------------------------|-------------------|--------------|--------|---------------|--|-----------------|-------------------|-----------------------|--|---|---------------------------------------|--------------------------------------|----------|--------|
| LATITU       |                                  | 9303.                         | 56                |              |        |               | LONGITUDE 5971.89  |                 |                   |                       | ELEVATION  |   |                                       |                                      | 615.25   |        |
| DATE         |                                  |                               |                   | Oct.3        | 0, 198 | 9.            |  |                 |                   |                       | DEPTH  |   | · · · · · · · · · · · · · · · · · · · |                                      | 341.60   | Jm<br> |
| ANGLE        |                                  | DOICH<br>UP                   | ・フ                | 0 00.<br>80. | DIREC  | TION          | 270° 50° SLOPE   | \$0             |                   | 0.00°                 |  | · · · · · · · · · · · · · · · · · · ·     | · · · · · · · · · · · · · · · · · · · | · · ·                                |          |        |
| SCALE (m)    | OEPTH                            | ELEVATION                     | GEOLOGICAL<br>AGE | ROCK TYPE    | COLUMN | ROCK<br>CLASS | DESCRIPTION  | DATE            | BIT &<br>DIAMETER | SPOUND<br>KATER LEVEL | CORE REC - A. C<br>OVERY X (m) (n<br>o 50 100/0 50 | X   | HATER PRI<br>Luge<br>K Valu           | SSURE Yalue on Value e : co/se so 30 | TEST     | 50     |
| - 61         |                                  | . 554.30                      |                   |              | 芸      | Ablv          | 59.2m to 75.55m:<br>Slightly weathered rocks.<br>Light brown.  | 5/5<br>(50.90)  |                   | -<br>                 |  |   |                                       |                                      |          | :      |
| - 62<br>- 63 |                                  |                               |                   |              |        | VP111         | Joint; 10-30deg., rare 40 & 70deg.,<br>brown stained, with thin clay<br>partly.  |                 |                   |                       |  |   |                                       |                                      |          |        |
| - 64         | _£1.20                           | _55LX:                        |                   |              | 芸      |               | 64.1-64.50: Bark greenish gray   |                 |                   | 6/13<br>[63.80]       |  |   |                                       |                                      |          |        |
| - 65         |                                  |                               |                   |              | 辛      | AbII          |  |                 |                   |                       |  |   |                                       |                                      |          |        |
| - 65<br>- 67 | 66.59                            | _1/8.35                       |                   |              | 五      |               |  | 6/6<br>(55.99)  |                   | 6/14<br>6/14          |  |   |                                       |                                      |          |        |
| - 68         |                                  |                               |                   |              | 辛      |               |  |                 |                   | 6/14<br>(67,75)       |  |   |                                       |                                      | 7.  <br> |        |
| - 69<br>- 70 |                                  |                               |                   |              | 弄      | . ,           |  | :               |                   |                       |  |   |                                       |                                      |          |        |
| 71           |                                  |                               |                   |              |        | ADIV          |  | 5/7<br>(71.60)  |                   |                       |  |   |                                       |                                      |          |        |
| - 72<br>- 73 |                                  |                               |                   |              | 芸      |               |  |                 |                   |                       |  |   |                                       |                                      |          |        |
| - 74         | . 1                              |                               | aetien            | 20           | 芸      |               |  |                 |                   |                       |  |   |                                       |                                      |          |        |
| - 75<br>- 76 | 71.55<br>22.55<br>22.55<br>22.55 | 5:00.10<br>5:29.20<br>5:29.30 | Wadire formation  | Lasstona     |        | VOILI         | Roderately weathered rocks.  | V               | 08.101            | E/9                   |  | 7.3                                       |                                       |                                      |          |        |
| - 77         |                                  | * .                           |                   |              | 芸      |               | Yellowish brown, pertly gray.  Joint: 70-80deg, with 1-2cm clay.   | 412             |                   |                       |  |   |                                       |                                      |          | -      |
| - 70         |                                  |                               |                   | :            | 等      |               | 81.1-81.30: 30deg, joint, filled by green clay & calsite (2-3co).  | 113 CÚ<br>6/9   |                   |                       |  |   |                                       |                                      |          |        |
| - 79<br>- 80 |                                  |                               |                   |              | 辛      | Ac ly         |  |                 |                   |                       |  |   |                                       |                                      |          |        |
| 81           |                                  |                               |                   |              |        |               |  |                 |                   | 6/10                  |  |   |                                       |                                      |          |        |
| D3<br>65     |                                  |                               |                   |              |        |               |  | 673<br>(69, 68) |                   | 6/10<br>102.254       |  |   |                                       |                                      |          |        |
| - 84         | _ £1_0°                          | _53LZ:                        |                   |              |        |               | Roderately to slightly weathered rocks.  |                 |                   | 8/7<br>(84,50)        |  |   |                                       |                                      |          |        |
| 65<br>66     |                                  |                               |                   |              | 差异     | ID-civ        | 84.0-84.6a: Fractured zone: greenish<br>brown clay (10cm) along 30-45deg.<br>joints.<br>84.6-87.3: Light brown, Joint brown<br>stained, 10-30deg, rare 60- | 6/10<br>(05.03) |                   | 1:                    |  | ####<br>################################# |                                       |                                      |          |        |
| B7           |                                  | 527.93<br>527.(1)             |                   |              |        | /civ_         | 70dcg. Solution is rare. Moderately weathered rocks. Coess are reck tragents and green clay along 30dcg. Joints.   |                 |                   |                       |  |   |                                       |                                      |          |        |
| - E3<br>- D3 | _m.m                             | LTL.                          |                   |              | 五      | VPIA          | 87.6m to 95.0m;<br>Slightly weathered rocks.<br>Light brown-greenish gray.   |                 |                   |                       |  |   |                                       |                                      |          |        |
| 90           | gh.lin                           | 275.25                        | - 0<br>- <u></u>  |              | 亞      | MIII          | Joint; brown stained, partly with  |                 |                   |                       |  |   |                                       |                                      |          | L      |

KN.O.O to Book Buility Obsignation. B.O.O-[fatal length of cylindric cores lenger than 10 col/fictal drill length) x 100% EN.O.0 is Bock Chally Dasignation. A.O.0-[latel length of cylindric cores lenger than 10 tupecky WALE is length whose injection water pressure of 10kg/cc2 ADDITION of its cater RODALETER to its millicator.

A.D.

| SITE           |          | Power             | Hous              | е         |         |               |   |                   |                   |  | HOLE NO. SK-102                         |   |                                   |
|----------------|----------|-------------------|-------------------|-----------|---------|---------------|---|-------------------|-------------------|--|---|---|-----------------------------------|
| ATLIL          | JOE      | 8303.             |                   |           |         |               | LONGITUDE 5971.89   |                   |                   |  | ELEVATION                               |   | 615.25m                           |
| DATE           |          |                   |                   | Oct.3     | 10, 190 | 39            | N 10°   | <del></del>       | HORT              | r/lu   | DEPTH                                   | <del></del>   | 341.60m                           |
| ANGLE          |          | 121<br>UF<br>000e |                   | 9,00      | Intuci  | CTION         | 180 S 0.00 SLOPE  | <u>«</u>          | [7]               | 0.00   |   | <u> </u>  |                                   |
| SCALE (m)      | ОЕРТН    | ELEVATION         | GEOLOGICAL<br>AGE | ROCK TYPE | SECTION | ROCK<br>CLASS | DESCRIPTION   | SATE.             | BIT S<br>DIAMETER | GROUND<br>MATER LEVEL                        | CORE REC- R.G.D  OVERY X X  (n) (m) (m) | WATER PRESSURI<br>N Value<br>Lugeon Volu<br>X Value: ca/<br>D 10 20 | E TEST<br>/re<br>/sec<br>80 40 50 |
|                |          |                   |                   | <u> </u>  | 臣       |               | thin clay, 20-30, rarely 60-70deg.  | 150 ZVI           |                   |  |   |   |                                   |
| - 91<br>- 92   |          |                   |                   |           | 弄       |               | 69.4-89.6a: fractured along 30deg.<br>joint, with clay.                   |                   |                   | 8/12<br>[91-80]                              | 168801 - 168801                         |   |                                   |
| - 93           |          |                   |                   |           | 是       | ADIII         | 94.9-95.0m: 1-3cm brown clay in<br>80deg: joint.                          |                   |                   |  |   |   |                                   |
| 94             |          |                   |                   |           |         |               |   |                   |                   | 8/11<br>194 801                              |   |   |                                   |
| - <b>9</b> 5   | 35.00    | 529.65            |                   |           | 岩岩      |               | Slightly reathered rocks. Light brown-gray.                               |                   |                   | 194, 801                                     |   |   |                                   |
| - 96<br>- 97   |          |                   |                   |           | 臣       |               | Joint: stained brown, partly with<br>thin clay, 30-40deg, 6 rarely 60deg. | (V)3              |                   |  |   |   |                                   |
| - 98           |          |                   |                   |           | 異       | -             | 104.15-104.25m; 30deg. joint with clay.                                   |                   |                   |  |   |   |                                   |
| - 99           |          |                   |                   |           | 選       |               | 105.75-105.85æ 30deg, joint with<br>greenish gray clay (ica)              |                   |                   |  |   |   |                                   |
| - 100          | ٠.       |                   |                   |           | 是       |               | Solition is rare.   |                   |                   |  |   |   |                                   |
| - 103          |          |                   |                   |           | 至       | VPIA          |   |                   |                   |  |   |   |                                   |
| - 103          |          |                   | ļ:                |           |         |               |   | 6/14              |                   |  |   |   |                                   |
| 104            |          | ٠.                | mation.           | e e       | 割       |               |   | 6/14<br>(103.\$%) |                   |  |   |   | -                                 |
| - 105<br>- 106 |          |                   | Nadine formation  | Linastone | 是       |               |   |                   | 58.101            |  |   |   |                                   |
| 107            |          |                   |                   |           | 室       |               |   |                   | <u>'</u>          |  |   |   | [                                 |
| - 108          | സ്       | . 597.25          |                   |           | 是       |               | Slightly weathered rocks.<br>Light brown.                                 | -                 |                   |  | 1000                                    |   |                                   |
| - 109          |          |                   |                   |           | 基       |               | Joint: stained brown, 10-30deg.,<br>rarely 45deg.                         | 1103.E31          |                   |  |   |   |                                   |
| - 111          |          |                   |                   |           | 虚       | 46771         | 112.6-112.7a: 1cm apening.  Solution is care.                             |                   |                   | <b>经</b> 部                                   |   |   |                                   |
| 112            |          |                   |                   | a.v.      | 題       | VPIII         |   |                   |                   | 7/11<br>[112 <u>2</u> 0]                     |   |   |                                   |
| - 113          | , I      |                   |                   |           | 岸       |               |   |                   |                   | (117-85)<br>(117-85)<br>(117-85)<br>(117-85) |   |   |                                   |
| 114            | الارائد. | . <b>571</b> .55  |                   |           | 歷       |               |   |                   |                   |  |   |   |                                   |
| 116            | 15.0     | /20.25            |                   |           | 崖       | /bII          |   | 6/16<br>[115.60]  |                   | 6/26<br>[116.09]                             | 1 (1 ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (  |   |                                   |
| - 117          |          |                   |                   |           | 盟       |               |   |                   |                   | . :  |   |   |                                   |
| 110            | 110.10   | ಶಾಶ               | !:                |           | 崖       | VOLLI         |   | 5/17<br>(110.69)  |                   | 11 XX  |   |   |                                   |
| 119<br>120     | 129.02   | 4% Z              |                   |           | 型       |               | leasts of cylindric seres larger than 10 ccl                              | <u> </u>          |                   | 11197.10                                     |   |   |                                   |

PR.O.D to pack Cuality Craignation. R.O.D-field length of cylindric cores longer than 10 cc]/field drill length) x 100% mixture your la library matter procure of 10%pftm2
MERPH and CLEVATICA are in mater
COMMETCH to in collector

| SITE           |                   | Poller            | Hous              | <u>C</u>  |         |               |  |                  |                    | -                     | HOLE NO.                    | SX-105            |  |                              |    |
|----------------|-------------------|-------------------|-------------------|-----------|---------|---------------|--|------------------|--------------------|-----------------------|-----------------------------|-------------------|--|------------------------------|----|
| LATIT          | UDE               | 830 <b>3</b> .    |                   |           |         |               | LONGITUDE 5971,89  |                  |                    |                       | ELEVATION                   | -                 | · · · · · · · · · · · · · · · · · · ·              | 615.25                       |    |
| DATE           |                   |                   |                   | Oct 3     | 30, 198 | 9."           |  | <del></del>      |                    | ·<br>                 | DEPTH                       | <b></b> _         |  | 341,60                       | )m |
| ANGLE          |                   | 100<br>UF<br>DOKN | _2                | 0.00      | Intect  | HOIT          | 100 S 0 00 SLOPE   | 94               |                    | 0.00°                 |                             |                   | 1  | ·<br>·                       |    |
| SCALE (m)      | DEPTH             | ELEVATION         | GEOLOGICAL<br>AGE | ROCK TYPE | COLUMN  | FOCK<br>CLASS | DESCRIPTION  | DATE             | BIT S.<br>DIAMETER | GROUND<br>MATER LEVEL | CORE REC-<br>OVERY X<br>(m) | 0.0.A<br>X<br>(m) | WATER PRESSU<br>N Valu<br>Lugeon Va<br>K Value : c | RE TEST<br>e<br>lue<br>a/sec |    |
| ष्ठ            | <u> </u>          | 日                 | B                 | 足         | 8       | 운             | 119.00-127.65a:  | 8                | 18                 | € =                   | 0 50 1000<br>feromera 115   | <b>3</b>          | 70 50  | 30 40                        | 50 |
| 151<br>        |                   |                   |                   |           | 芸       |               | Slightly weathered rocks,<br>Light brown to brown.   |                  |                    |                       |                             |                   |  |                              |    |
| - 122          |                   |                   |                   |           | 豆       | IIIda         | Joint: stained brown, with clay partly, 30-40deg., rarely 70deg.   |                  |                    |                       |                             |                   |  |                              |    |
| - 153          |                   |                   |                   |           | 藍       |               | 119.7-119.6a: 1cm brown clay in<br>45deg. joint.   |                  |                    |                       |                             |                   |  |                              |    |
| - 124<br>-     | 125.00            | _@.z              | .*                |           | 崖       |               | 125.45-125.7m; Brown clay (1-2cm) in<br>70deg. joint.  | 5/19<br>(125.00) |                    |                       |                             | 12 12             |  |                              |    |
| - 125<br>- 126 | ICI.ye            | -1.5.1.           |                   |           | 宝       |               | Solution is rare.  |                  |                    |                       |                             |                   |  |                              |    |
| 127            |                   |                   |                   |           | 臣       | MII           |  |                  |                    |                       |                             |                   |  |                              |    |
| - 128          | _122_65<br>128_60 |                   |                   |           |         | HII           | √tores are rect fraç⇔Ms end<br>green-brown clay.   | 1750<br>(187,00) |                    |                       |                             |                   |  |                              |    |
| 129            |                   |                   |                   |           | 崖       |               | Fresh rocks. Light gray.<br>Joint; 10-30deg, in general.   |                  |                    |                       |                             |                   |  |                              |    |
| — 129<br>— 130 | ,                 |                   |                   |           | 歪       |               | Solution is rare.  |                  |                    |                       |                             |                   |  |                              |    |
| - 131          |                   |                   |                   |           | 园       |               |  | (131.00)         |                    |                       |                             |                   |  |                              |    |
| - 132          |                   |                   |                   |           | 崖       |               |  |                  |                    |                       |                             |                   |  |                              |    |
| - 133          |                   |                   | ,                 |           |         | łaII          |  |                  |                    |                       |                             |                   |  |                              |    |
| - 134<br>-     | 131.00            | <u> 191.25</u>    | ration            | 250       | 臣       |               | Fresh rocks. Light gray to gray.<br>Joint; 20-30deg. in general, rarely  |                  |                    |                       |                             |                   |  |                              |    |
| - 135<br>-     |                   |                   | Nodine forcation  | Limestone | 造       |               | vertical with thin calsite.  Small solutions are seen scattering- ly.  |                  | 03.101             |                       |                             |                   |  |                              |    |
| — 135<br>— 137 | _137.00           | 470.27            | .₽                |           | 异       |               |  | 6/24<br>]137.60] |                    |                       |                             |                   |  |                              |    |
| - 130          | : :               |                   |                   |           | 弄       |               |  |                  |                    |                       |                             |                   |  |                              |    |
| - 139          |                   | ·                 |                   |           | 弄       |               |  |                  |                    |                       |                             |                   |  |                              |    |
| 140            | . !               |                   |                   |           | 室       |               |  |                  |                    |                       |                             |                   |  |                              |    |
| - <b>1</b> 41  | - "               |                   | * 1 +             |           |         |               |  |                  |                    |                       |                             |                   |  |                              | ,  |
| - 142<br>-     | ·:·               |                   |                   |           | 臣       |               |  | 6/25<br>[14]_Cot |                    |                       |                             |                   |  |                              |    |
| - 143          |                   |                   |                   |           |         | MaIII         | e.<br>Programa   | 1144.601         |                    | . :                   |                             |                   |  |                              |    |
| - 144<br>- 145 |                   |                   |                   |           |         |               |  |                  |                    |                       |                             |                   |  |                              |    |
| - 145<br>- 146 |                   |                   |                   |           | 艺       |               |  |                  |                    |                       |                             |                   |  |                              |    |
| - 147          | 1/3.45            | _/*0.69           |                   |           |         |               | Fresh rocks. Light brown-gray. Cores are cylindrical, and cany fragacals. Joint; 60-70deg. & vertical, withoutbrown stain. | -                |                    |                       |                             |                   |  |                              |    |
| - 140<br>- 149 | 19.55             | £5.10             |                   |           |         |               | tbrown stain. Solutions are seen scotteringly. Fresh rocks, Light brown. Cores are cylindrical.                            |                  |                    |                       |                             |                   |  |                              |    |
| 150            |                   |                   |                   | <u> </u>  | 己       | L             | Joint: 20-30deg., rarely 70deg. 6  |                  | <u> </u>           |                       |                             |                   |  | L                            |    |

ES.O.D is Nock Cusitly Designation. IS.O.O.(Note) length of cylindric cores longer than 10 cm/(fotal drill length) x 100% righted yalle to Moinfo under injection water prosours of 10%/cc2 MESPIN and ELEVATION are in extermined to the solution of the solu

| SITE           |                    | Power   | House             | e .              | · 1        |                        |  |                   |                   |                    | HOLE NO.                    | SK-102                                       |                |  |         |
|----------------|--------------------|---|-------------------|------------------|------------|------------------------|--|-------------------|-------------------|--------------------|-----------------------------|--|----------------|--|---------|
| LATIT          | UOE                | 8303.56 LONGITUDE 5971.89 *Hay 18 - Oct.30, 1989* |                   |                  |            |                        |  |                   |                   | ELEVATION          |                             |  |                | 615.25m  |         |
| DATE           |                    |   |                   | Oct .30          | 0, 198     | 19*                    |  |                   |                   |                    | DEPTH                       |  | <u> </u>       |  | 341.60m |
| ANGLE          |                    |   | <u> </u>          | 80.              | DIREC      | TION                   | 100 2 0 00 SL OPE  | 95                | T                 | 2.00               |                             | <u>                                     </u> |                |  |         |
| SCALE (m)      | ОЕРТН              | ELEVATION   | GEOLOGICAL<br>AGE | ROCK TYPE        | SECTION    | ROCK<br>CLASS          | DESCRIPTION  | OATE              | BIT S<br>DIAMETER | GROUND HATER LEVEL | CORE REC-<br>OVERY %<br>(m) | FI.O.D<br>%<br>(p)                           | Luge<br>K Valu | SSURE<br>Value<br>on Value<br>o : ce/se<br>20 30 |         |
|                |                    |   |                   |                  | 豆          |                        | vertical, partly brown stained.<br>Small solutions are seen scattering-  | 6/27<br>(150.50)  |                   |                    |                             |  |                |  |         |
| - 151<br>- 152 |                    |   | 5                 |                  | 苦          | IIIev                  | 1у.  |                   |                   |                    |                             |  |                |  |         |
| - 153          | 152.20             | 452.45  | formation         | Lucestone        | 逹          | 1 Da (III              | Sheared zone but reconsolidated and  |                   |                   |                    |                             |  | i e e vine     |  |         |
| 154            | 153.50             | . 45125   | Nadire            | at.)             | 芒          |                        | hard. Dagk gray.<br>Shear: 10-20deg. 6 50deg.<br>Partly conglomeratic.   |                   |                   |                    |                             |  |                |  |         |
| - 155          |                    |   |                   | ٠.               | 芸          | A to ell               | , <del></del>  |                   |                   |                    |                             |  |                |  |         |
| - 156          | 156.00<br>156.52   | 69.8<br>_79.8                                     |                   |                  | 翠          |                        | izedish brown, clayey.<br>From 156.0m, sotrix di Cohielithic Kelongo.  | 6/26<br>(155.53)  |                   |                    |                             |  |                |  |         |
| - 157          |                    |   |                   |                  |            |                        | Cark gray, clayey,<br>Schistosity, 20-30deg,<br>156.5-157# Mather good cores,<br>158.Gw. 10cm sandy and hard,  |                   |                   |                    |                             |  |                |  |         |
| 158<br>-       |                    | :   |                   |                  |            |                        |  | 6/29<br>(158.35)  |                   |                    |                             | 3 201  |                |  |         |
| 159<br>160     |                    | -<br>   |                   |                  |            |                        |  |                   |                   |                    |                             | 9 971<br>                                    |                |  |         |
| - 161          | 22.031             | _45 C.36  |                   |                  |            |                        | Gook gray-greenish groy, eleyey, portly reddich  | 8/30<br>[169.153] |                   |                    |                             |  |                |  |         |
| - 152          |                    |   |                   |                  |            |                        | Crown<br>Schislesity: 20-300cg.  | 7/1<br>(162.35)   |                   |                    |                             |  |                | ·.   |         |
| - 163          |                    | ·   |                   |                  |            |                        |  | 7/3<br>[163.55]   |                   |                    |                             | 3 54   |                | .  |         |
| 1G4<br>-       |                    |   |                   | Schust           |            | Davi                   |  |                   |                   | :                  |                             | 3. io  |                |  |         |
| - 165<br>- 166 | .105.75            | 440.F1  | Ne langs          |                  |            |                        | Out greath gay, closey<br>schistosity, 20-33cg.  | 7/4<br>(163.75)   | 60,101            |                    |                             | 3.3  |                |  |         |
| - 157          |                    |   |                   |                  |            |                        | Semplestry, 20-sourg.  | 7/5<br>((07.පා    |                   |                    |                             | 7 (2)  |                |  |         |
| - 160          |                    |   | k Coniolitic      |                  |            |                        |  |                   |                   |                    |                             | 0.550  |                |  |         |
| - 169          | 753 G              | _45.25<br>_45.25                                  | of Ernanak        |                  |            |                        | Readish brown, clayer, Schistopity, 30059.<br>Greenish gray, clayer.   | 7/6<br>((C2.23)   |                   |                    |                             | 922  |                |  |         |
| - 170          | _170.Z5            | 45.00<br>(1).50                                   | Hatrix o          |                  | ***        |                        | Sedish brean, clayey, Secentify gray, clayey, Sedish brean, clayer, Liestong, light gray, bard.  | 7/7<br>(170 55)   |                   |                    |                             |  |                |  |         |
| 171            | -11742<br>-151762  | qr&   |                   | 11               |            |                        | Freenish gray, clayey.<br>freedish brown, clayey.  | 7/20<br>(171.45)  |                   |                    |                             |  |                |  |         |
| . }            | -13.K              | 42.M  |                   | Schast           | #          | Jan.<br>Dayi           | Scenish grey, clayer,  173.16 to 173.6x.  173.16 to 173.6x.  173.16 to 173.6x.  174.16 to 173.6x.  175.16 to 173.6x.  175.16 to 173.1x.  175.16 to |                   |                   |                    |                             |  |                |  |         |
| - 174          | _173.50<br>_173.00 | 411.75<br>_411.75                                 | ·                 | f-disa           | 333<br>333 | O-CaVI                 | Creatch gray, clayer.  | 7/21.<br>(174.53) |                   |                    |                             |  |                |  |         |
| - 175          |                    | (3.7)   |                   | ist              |            | C. O                   | Riddish brown, clayey.  — Greenish gray, clayey. Reddish brown, clayey.  |                   |                   |                    |                             |  |                |  |         |
| - 176          | .175.20<br>_175.20 | /23.55<br>423.45                                  |                   | Schast           |            | C-O5VI                 | Section from closey.   | 7/22<br>(176.30)  |                   |                    |                             |  |                |  |         |
| - 177          | _177_10<br>_177_10 | 13.13<br>13.13<br>13.13                           |                   | firmine          |            | CaVI                   | Geenish gray, elegry, Sandstone, gray, hard, Geenish gray, elegry, Continues   | 7/24<br>(177,19)  |                   |                    |                             |  | . [. ]         |  |         |
| - 1            | 13.5<br>120.0      |   |                   | Schist<br>Schist | 222<br>277 | E GAVI<br>PANC<br>PANC | Sindstone, gray, hard.<br>Greenish gray, clopey.<br>Sindstone, gray, hard.   |                   |                   |                    |                             |  |                |  |         |
| - 179<br>180   | 5EO 67             | 435.25  |                   | Schist           |            | CoVI                   | feddish brosi, clayay.   | 7/25<br>((01,00)) |                   |                    |                             | 12.00  |                |  |         |

TOOL 19 10th Guality Ocalegation. H.O.D. (lotal length of cylindric cores longer than 10 col/liotal drill length) x 100% RICERT VALUE Is 1/Ain/A under injection water pressure of 10kg/co2 MEPHH and CLEVATION are in cater 2018/ETER to in cylindric core in cater

| SITE       |                    | Power                  | House             | <br>B             |               |               |  |                           |                |      | l          | IOLE NO.                    | SK-1             | 02       |    |                        |                                      |                                       |          |       |
|------------|--------------------|------------------------|-------------------|-------------------|---------------|---------------|--|---------------------------|----------------|------|------------|-----------------------------|------------------|----------|----|------------------------|--------------------------------------|---------------------------------------|----------|-------|
| LATITE     | JOE                | 0303.                  |                   |                   | -1            |               | LONGITUDE 5971.89  |                           |                |      |            | LEVATION                    |                  |          |    |                        |                                      |                                       | 615.4    |       |
| DATE       |                    | May                    |                   | DCL.30            | ), 190        | 9"            | T NEGO T   | <del></del>               | НО5            | 170H | - -        | DEPTH                       |                  |          |    |                        |                                      |                                       | 341.6    |       |
| ANGLE      |                    | 100<br>UF<br>0000<br>0 |                   | 0 69,<br>89,      | DIREC         |               | 270° SLOPE   | 9.                        | . [            | 0.0  |            | :                           |                  |          | ·  |                        |                                      |                                       |          | · · · |
| SCALE (m)  | ЭЕРТН              | LEVATION               | GEOLOGICAL<br>AGE | HOCK TYPE         | COLUMN        | ROCK<br>CLASS | DESCRIPTION  | DATE                      | BIT & OTANETED | ٠. ١ | MATER LEVE | CORE REC-<br>OVERY %<br>(m) | A.Q.<br>%<br>(m) | 0        |    |                        | N<br>Luged<br>K Yalud                | SSUFFE<br>Value<br>in Value<br>: ca/s | e<br>Sec | 0 50  |
| Ø.         | -100 H             | <u> </u>               | 6                 | trantore          | 7777          | B9A1          | Sinist, preenish gray, clayey.   |                           | 413            | ļ.   | Š          |                             | 1                | П        | רו | -                      |                                      | .03                                   |          | 0 59  |
| 181        | 129.00             | 434. M                 |                   | Bettend           | 336<br>336    | CSVI          | Sendstone, gray, hard.<br>Creenish gray, clayer, with Edea, achistosity.                                   |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 182        | 18-8               | -88                    |                   |                   | <b>#</b>      | C3YI.         | Padajah brown, alayay.<br>Graenish proy, alayay.   | 7/28                      |                | }    | 8          |                             |                  | ¥∏<br>¥∏ |    |                        |                                      |                                       |          |       |
|            | 102.50             | 432,75                 |                   |                   | 34            | C-09A1        | Receish brown to brown, clayay, with 45deg.<br>schiptosity.  | (182.50)                  | İ              |      |            |                             | H                | Ħ        | 1  | ·                      |                                      | ·                                     |          |       |
| 183        | 150.00             | 432 20                 |                   | 1,00              |               |               | Greenish gray, clayey, with 30-400cg, schistos-<br>ity, partiy acroy                                       | <u> </u>                  |                | 1    |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 184        | 101.10             | 91.15                  |                   |                   | 111           |               | Icregular greenish gray and reddish beam.  Ones a costly cylindrical.                                      | 1                         |                |      |            |                             | M                |          |    |                        |                                      | -                                     |          |       |
| - 185<br>- |                    |                        |                   | ts.               | <b>#</b>      |               |  | 7/27<br>[155_ <b>3</b> 5] |                |      | 200        |                             | H                | Щ        |    |                        |                                      |                                       |          |       |
| 186        |                    |                        |                   | Schist            | <i>}</i>      |               |  |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 187        | 187.25             | 429.00                 |                   |                   | <b>***</b>    | CaVI          |  |                           | ĺ              |      | 164.00     |                             | 1                | 111      | 1  |                        |                                      |                                       |          |       |
| 168        |                    | 427.15                 |                   |                   |               |               | Greenish gray, closey, with 45deg, schistosity, parkly sandy.  | 7/28                      |                |      |            |                             | 閟                |          | G  |                        |                                      |                                       | ·        |       |
|            |                    |                        |                   |                   | <b>***</b>    |               | feedlish brown, clasey, 30-400:9, schistosity.   | [153,35]                  |                |      | 1          |                             | 93)              |          |    |                        |                                      |                                       |          | ,     |
| 189        | .                  |                        |                   |                   | 333           |               |  |                           | 08.10          |      | 1          | 對計榜                         |                  |          |    |                        |                                      | i                                     |          | •     |
| 190        |                    | 424.E5                 |                   |                   | 372           |               |  | 1/29<br>(1531.35)         | 77, 17         |      |            |                             | X                | Ш        |    |                        |                                      |                                       |          |       |
| 191        | 191.60             | 424.25                 |                   | testes            | 1111          | Bayı          | Sindstone, grossish eras, bord,<br>purity conglementic."<br>Recollab brown, clayer, 30-40deg, schiolootty. |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 192        | .                  |                        |                   |                   | 33            | .             |  |                           | İ              |      | 1          |                             | 懰                | Ш        |    |                        | . 1                                  |                                       |          |       |
|            |                    |                        | #2 Jange          |                   | 37            | CaVI          |  | 7/31                      |                |      | 20         |                             | 묎                |          |    |                        |                                      |                                       |          |       |
| 193        | 103.49             | /21.65                 | C : 채윤]           | Schist            | 3             |               | Greenish gray, partly candy  | ((23.35)                  |                | 1    |            |                             | ďΠ               | 1        | 3  |                        |                                      |                                       |          |       |
| 194        | _191.65<br>_191.69 |                        | Ophiolitic        | ٠.                |               | C-Davi        | Reddish bream, clayey.<br>Green, sondy   |                           |                | -    | 4          |                             | Щ                | $\  \ $  |    |                        |                                      |                                       |          |       |
| - 195      |                    |                        |                   |                   | <b>#</b>      | Covi          | Acadish brown, sendy, 30-400cg, schiptority.   | 1                         |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 196        | 195.65<br>165.90   | 419.33                 | Ermansk           | t==t==            | 1111          | Rayl          | Succeiver, preceive gray, hard.<br>Redoleh branet, parkly greenish gray.                                   | 8/1<br>[195.33)           |                |      |            |                             |                  |          | П  |                        |                                      |                                       |          |       |
| 197        | 155.60             | 415.63                 | ţ.                |                   |               |               | Bresoloh gray, sandy.<br>Haddish brean, partly premish gray.<br>1978-1978- Conglescratic.                  |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
|            | 102 50             |                        | Matrix            | 4                 | 3             |               |  |                           |                |      |            |                             | Ϋ́II             |          | 1  | *                      | -                                    |                                       |          |       |
| 190        | 123.62             | 415.01                 |                   | Schist            | 77            | CoVI          | Greenlish grzy ta gray, dundy.   | }                         |                | 1    | 7          |                             |                  |          |    |                        |                                      |                                       |          | '     |
| - 193      | .                  |                        |                   |                   | <b>#</b>      |               | Roddish broad, partiy sandy, with edding, schis-<br>toolity,   | E/2<br>[[59.35]           |                |      |            |                             |                  | Щ        | Ţ  |                        |                                      |                                       |          |       |
| - 200      | -823.36            | 414.50                 |                   |                   | $\mathscr{Z}$ |               |  |                           |                |      |            | it design                   | 4                | Ш        |    |                        |                                      |                                       |          |       |
| - 201      | 200,70             | 434.55                 |                   | tie:::i=>         | TT            |               | Linesions, greenish gray, hard.  Rainly reddich brows, partly gray, with  30-40deg, schistosity.           |                           |                |      | . 37464    |                             | ij,              |          |    | -                      |                                      | '                                     |          |       |
| -          |                    |                        |                   | ยู่ยู             |               | Bo¥1          |  | 6/5                       |                |      |            |                             | A.               | Щ        |    |                        | ٠.                                   |                                       |          |       |
| 202<br>-   | 202.55             | 412.7                  |                   | Sandatone         |               |               | Coarse sendators, hard, salaty ression brown.  | (27.55)                   |                |      |            |                             |                  |          | 5  |                        |                                      |                                       |          |       |
| - 203<br>- | -391-56            | _411- <i>7</i> 5       |                   |                   | 11/1          | Fami          | Schist, greatch gry.   | }.<br>}                   |                |      |            |                             |                  |          |    |                        |                                      |                                       |          | ~~~   |
| - 204      | - 2011E            |                        |                   | 4.                | 333           | L. E.         | Coarse sanditons, hard. Reddish brown, purely greenish gray, clayey.                                       | 1                         |                |      |            |                             | \$               |          |    |                        |                                      |                                       |          |       |
| 205        | - <b>233</b> -93   | -119-20                |                   | Schist            | <i>#</i>      | lYaO          | Gremish gray, sandy.<br>Reddish brown, sandy   |                           | 08.DE          | 1    | ĺ          |                             |                  | 3        |    | Ubper Do               | :<br>:Un : 203                       | te .                                  |          |       |
| 200        | 25.7               | -61.13                 |                   | <u></u>           | 27/2          |               | Schristers, grownish gray, hard, course and<br>conglectration.   | (65°65)                   |                |      |            |                             |                  | 拼        |    | Lugger fle<br>Lugger V | ih:203<br>ih:205<br>stua: 0<br>c:000 | 10                                    |          |       |
| - 500      |                    |                        |                   | 316               |               |               | Reddich been, gartly goog, with 49-60deg, ech-<br>islasity. Furtly appealeds and echick.                   |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| - 207      |                    |                        |                   | Conglonarate      | 1///          | E-6341        |  |                           |                |      |            |                             |                  |          |    |                        |                                      |                                       |          |       |
| 208        |                    |                        |                   | 5                 | 1//           |               |  |                           |                | 1    |            |                             |                  | $\  \ $  |    |                        |                                      |                                       |          |       |
| - 209      | 203.00             | 45.23<br>55.73         |                   | ninga             | ///           | Pavi          | Sandatone, durk gray to reddish brown. Complements, recisish brown.  | (-0) (c)                  |                |      |            |                             | 8                | 4        |    |                        |                                      |                                       |          |       |
| 210        | 201.00             | 13.5                   |                   | Enter's<br>Crotes |               | W             | Europtions, gresolph gray.   | <u> </u>                  | L_             |      |            |                             |                  |          | L  | <u>L</u>               | <u></u>                              |                                       | <u> </u> |       |

NJ.6.0 is fack feelity designation. H.O.O-(feelal length of cylindric cores longer than 10 cm)/(feelal drill length) x 100x styperox value is 1/oln/a under injection mater procurs of 10kg/cc2 stypero and EE/WHICH pro is reter solumeten to in ollificator.

| SITE                |                    | Power                   | Hous               | е                |             |               |   |                      |                   |                       | HOLE NO.  | SK-102            |             |   |
|---------------------|--------------------|-------------------------|--------------------|------------------|-------------|---------------|---|----------------------|-------------------|-----------------------|-----------|-------------------|-------------|---|
| ATIT                | JOE                | 8303.                   |                    |                  |             |               | LONGITUDE 5971.89   | <del></del> -        |                   | <u></u>               | ELEVATION |                   | <del></del> | 615.25m   |
| DATE                |                    |                         |                    |                  | ), 198<br>L | 9             |   | ·                    | HORT              | ZON                   | DEPTH     | ·                 |             | 341.60m   |
| ANGLE               |                    | (0)<br>(F<br>(0)<br>(0) |                    | b.60,            | DIREC       | TION          | 100 S 0.00 SLOPE  | 90                   | . [7              | 0.00                  |           |                   |             |   |
| SCALE (m)           | ОЕРТН              | ELEYATION               | GEOLOGICAL<br>AGE  | ROCK TYPE        | SECTION     | ROCK<br>CLASS | DESCRIPTION   | DATE                 | BIT S<br>DIAMETER | GROUND<br>MATER LEVEL | COME NEG  | A.Q.D<br>X<br>(m) | N 1         | SSURE TEST<br>/alue<br>: Yalue<br>: ca/sec<br>0 30 40 |
| · S                 | 210,50             |                         | 9                  | Schlist          | 7777        | CaVI          | Redulan brown, clayer.  |                      | <u>u</u>          |                       |           |                   | 1 1 1       |   |
| - 811               | 211.3              |                         |                    | Socien           |             | BaVI          | Sandstone, greenish grey, partly readish brown.  Schief, readish brown, clayer. |                      |                   |                       |           |                   |             |   |
| - 212               | \$1 <b>1.8</b> 9   | #31 <u>-6</u> 2         |                    | Schist<br>Feeles | 1111        | C-Dayl        | Sandatore, greenish gray. Reddish brown, clayey, partiy sandy.                  | 8/10<br>(212.00)     |                   |                       |           | 對科科               |             |   |
| - 213<br>-          |                    |                         |                    | Schist           |             | C-OaVI        |   |                      |                   |                       | 50125     |                   |             |   |
| - 214<br>-          | 215.25             | 1.0                     |                    | Carates.         | 424         | QaVI          | Reddish brown.  | 8/11                 |                   |                       | 31/20/25  |                   |             |   |
| - 215<br>-<br>- 216 | _214.C?            |                         |                    |                  |             | Cayl          | Neddish brown, partly greenish gray,<br>clayey, with 30deg, schistopity.        | [215.60]             |                   |                       |           |                   |             |   |
| - 217               |                    | _373.ES                 |                    | Schist           |             | 8aV           | Sandy, good cores, reddish brown,<br>with 20-30deg. schistosity.                | (213.00)<br>(218.00) |                   |                       |           | 210 63            |             |   |
| - 518<br>- 518      | 319.00             | _391.29                 |                    | 8                |             | VIs8          |   | g 13.50)             |                   |                       |           |                   |             |   |
| - 220               | 219.69             | 325.45                  |                    |                  | <b>***</b>  | E-Cavi        | Reddish brown-greenish brown, clayey.   | 8/14                 |                   |                       |           |                   |             |   |
| - 551               | 223.13             | 321.55                  |                    | ļ .              | 芋           |               | Gray. Cores are fragacots only.   | E220,761             |                   |                       | 2         |                   |             |   |
| - 555               |                    | ·                       | . £5u              | Liasstone        |             | 1459          |   | 8/15<br>(722.20)     |                   |                       |           | 2 (2)             |             |   |
| - 223               | 551°22<br>553°720  | 231.70<br>231.70        | Me13               | Schist           | 777         | DaVI          | Green.  | [223.40]             |                   | Ì                     |           | 3 43              |             |   |
| 224                 |                    |                         | Coniolitic Welanga | (m: m: m)        | 弄           | BaVI          | Light gray. Cores are only fregments.   | 8/18                 |                   |                       |           | 221               |             |   |
| - 225               | . <b>221.</b> 73   | 320.53                  |                    | 3                | 虠           | IVcD          | Green, soody.   | {224, <i>1</i> 0}    | 90.66             | ٠.                    |           |                   |             |   |
| - 556               | _225_55<br>_225_35 | 233.20                  | Enganda            | ŭ                | <b>**</b>   | ÇaVI          | Reddish brown, clayey.  |                      |                   |                       |           |                   |             |   |
| - 227               | -17                |                         | 6                  | Schiot           | <b>#</b>    | DaVI          | Green, Cores are costly fragments.  | 8/39<br>(227, 40)    |                   |                       |           | 2278              |             |   |
| - 220               | _227.40<br>_229.61 | 307.66<br>237.23        | Hatrix             |                  | 282         | C-8371        | Sandy, reddish brown.   |                      |                   |                       |           |                   |             |   |
| - 229               | .731.03            | _3C5.43                 |                    | timitra          | ////<br>55  | IVed          | Cores are fragments only,<br>Alternation of limestone and<br>sendstone.         |                      |                   |                       |           |                   |             |   |
| - 230               | _220.35<br>_230.01 | 25 M                    |                    | Commission       | 1111        |               |   | 6/21<br>(250.00)     |                   |                       |           |                   |             |   |
| - 231               | 229.25             | 391.39<br>391.80        |                    |                  | 334         | 14e0-3        | Sandy, green.<br>Clayey, green.   | ]                    |                   |                       |           |                   | .[. ]       |   |
| - 232               | 231.20<br>231.20   | _331.65<br>_331.65      |                    |                  |             | 173VI         | Sondy, green. Raddish brown, partly sandy, 30-40deg. schistosity.               | 8/22                 |                   |                       |           | , J.S.            |             |   |
| - 233               |                    |                         |                    |                  |             | C-D3VI        | ounstusity.   | 1335, 201            |                   |                       |           | 2 (3)1            |             |   |
| - 234<br>- 235      | 233.00             | 301.0                   | -:                 | Schist           |             |               | Green, clayey.<br>Cores are frequents only.                                     | #/23<br>(231.70)     |                   |                       |           | 5 5               |             |   |
| 533                 | 235.69             | _2/2.05                 |                    |                  |             | Da¥I          |   | 6/24                 |                   |                       |           | 33.10             |             |   |
| - 237               |                    |                         |                    |                  |             | D-EcYl        | Fractured zono: greenish gray clay and-<br>rack leagurals, partly brown.        | ११७ छ।               |                   |                       |           |                   |             |   |
| - 530               |                    |                         |                    |                  |             |               |   | 6/25                 |                   |                       |           |                   |             |   |
| 530                 | 231.10             | -3755                   |                    | Cantillore       | 1111        | E3IV          | Dark gray, schistosity is seen slightly.  | <u>ະກິກ</u>          |                   |                       |           |                   |             |   |
| 240                 | (H.1)              | . er                    |                    | Carthon          | 901         | CaIV          | Dark gray, schistosity is seen slightly.  | ļ                    |                   | <u> </u>              |           | [ 60 EP           |             |   |

KN.O.D to Rock Country Controller. N.O.D-(Total length of cylindric cores longer than 10 col/(Total drill length) x 100x states to 1/Ota/o under injection water procours of 10%s/co2 spepm) and ELECATION are in cater colors. Or an application in a philipater

| SITE                |                  | Patier           | Hausi             | e                |                   |               |  |                              |  |                       | HOLE NO.             | SK-102                        |  |   |
|---------------------|------------------|------------------|-------------------|------------------|-------------------|---------------|--|------------------------------|--|-----------------------|----------------------|-------------------------------|--|---|
| LATIT               | ~                | 8303.            |                   |                  | . :               |               | LONGITUDE 5971.89  |                              |  |                       | ELEVATION            |                               |  | 615.25m   |
| DATE                |                  | "Nay             | 18 -              | Oct 3            | 0, 198            | 9°.           |  |                              |  |                       | DEPTH                |                               |  | 341.60m   |
| ANGLE               |                  | 16<br>US<br>00k2 |                   | 6 t0,            | DIREC             | TION          | 270° 80° SLOPE   | 50                           | <u>.                                    </u> | 0.00                  |                      |                               |  | <u> </u>  |
| SCALE (m)           | нлеза            | ELEVATION        | GEOLOGICAL<br>AGE | ROCK TYPE        | COLUMN<br>SECTION | ROCK<br>CLASS | DESCRIPTION  | DATE                         | BIT &<br>DYANETED                            | CHOUND<br>MATER LEVEL | CORE REC-<br>OVERY X | R.G.D<br>X<br>(n)<br>50 100 0 | HATER PRE<br>H V<br>Lugeo<br>K Yalue<br>10 2 | SSUBE TESY<br>value<br>n value<br>: ca/sec<br>0 30 40 5 |
| ഗ                   | 20.50            | 114,15           |                   |                  | ////              | 031Y          |  |                              |  |                       |                      | TANA I                        |  | <u> </u>  |
| - 241               | 241.25           | 7.5              |                   | aua              |                   | N 1 (         |  | 8/28                         |  |                       | 4                    |                               | 1 1  |   |
| -<br>- 242          | ·                |                  |                   | Sandstone        |                   | UsVI          | Reddish brown, 20deg, schistosity.   | 8/28<br>(24) E01<br>(24) 201 |  |                       |                      |                               |  |   |
| - 243               | 242.60           | 372.45           | - :               |                  | 777               |               | Reddish brown, with schistosity<br>20-30deg, highly, Clayey,   |                              |  |                       |                      |                               |  |   |
| -<br>- 244          |                  |                  |                   |                  |                   |               | 247.65-248.25±<br>Contain limition irregularly.  |                              |  |                       |                      |                               |  |   |
| - 245               |                  |                  |                   |                  |                   |               | Fracturing is seen partly.   |                              |  |                       |                      |                               |  |   |
| - 246<br>-          |                  |                  |                   | Schust           |                   | C-Dovi        |  | 6/31<br>(245,45)             |  |                       |                      |                               |  |   |
| 247<br>248          |                  |                  |                   |                  |                   |               |  |                              |  |                       |                      |                               |  |   |
| - 249               |                  | •                | Me lange          |                  |                   |               |  | 9/1<br>(249-30)              |  |                       |                      | 643 30 8<br>50 20 1           |  |   |
| - 250               | 250.30           | 361.50           |                   |                  | 777               | Tout          | Green, green clay in 70dag, joint.   |                              |  |                       |                      |                               |  |   |
| - 251               | 250.65           | 351.40           | Ophicitic         | Limentons        | 臣                 | QaV1<br>BaIV  | Light gray-brown, joint stained brown.   | 9/2<br>(251.E0)              |  |                       |                      |                               |  |   |
| - 252               | 252.15           | _363.L0          | Ermenek           | :월               | 郊                 |               | Reddish brown, clayer.<br>Schistosity: 20-40 6 60deg.  |                              |  |                       |                      |                               |  |   |
| - 253               |                  |                  | Matrix of 8       | ıst              |                   | CaVI          | 262.15-252.35 & 252.85-253.5x<br>Contain lieastone irregularly.  |                              |  |                       |                      |                               |  |   |
| - 254<br>-<br>- 255 |                  |                  | 麗                 | Schist           |                   | (311          |  | 9/4<br>(254.00)              | D8.8I  |                       |                      |                               |  |   |
| - 255               | 255.00           | 369.45           |                   | is in            | <i>州</i>          |               | tight gray doint; 10-30tcg., brown staines.  |                              |  |                       |                      |                               |  |   |
| - 257               | _261.60          | 35).65           |                   | Tein3            | 翌                 | VIc8          | -Reddish brown.  | 9/5                          |  |                       |                      |                               |  |   |
| - 253<br>-          | _2.G             | _33-59<br>_33-59 |                   | Schist 19        | <b>77</b>         | CaVI<br>CaVI  | Cisestone, light gray, hard.<br>Radish brown, clayay.  | (237.03)                     |  |                       |                      |                               |  |   |
| - 259               | 23.20<br>23.20   | W.               |                   | utaser<br>Schist | 911               | C-0741        | Eisestens, light gray, nord.<br>Reddish brons, clayey.<br>Lisestons, light gray, hard.   |                              |  |                       |                      |                               |  |   |
| 230<br>-            | 263.40<br>203.60 | 78 S             |                   | Schist           |                   | 621<br>C-0371 | Applish brown, clayry, 20-3000g, schislosity.  | 9/8<br>(270.60)              |  |                       |                      |                               |  |   |
| - 261               |                  |                  |                   |                  |                   |               | Reddish brown, clayer,<br>with 20-30deg, schistority.  |                              |  |                       |                      |                               |  |   |
| 262<br>263          | 20.20            | 352.E3           |                   | Schist           |                   | IVaO-3        |  |                              |  |                       |                      |                               |  |   |
| - 284               | 261.29           |                  |                   | Linestone        | 芸                 | Ba¥I.         | Light gray, herd, with 20dag, joint.   | 9/7<br>[63.89]               |  |                       |                      |                               |  |   |
| - 265               | 25.10<br>25.10   | -30.10<br>-30.10 | <u>.</u>          | <u> </u>         | 177               | 20,4          | Light gray, hard but crocky, with 10-30dg. joint cary. Sandston, light gray, terd, with 100cg. joint. Crosh ports. Light gray. |                              |  |                       |                      |                               |  |   |
| - 266<br>-          | . 25.pt          |                  | forcation         |                  | 竖                 | E3Y-YI        | Fresh rocks. Light gray. Joint: 10-20039. rarely 45dcg. Solution caves: Many in 265.33-269.7a, and rare in others.             | 1273 E01                     |  |                       |                      |                               |  |   |
| 267<br>268          |                  |                  | 5.<br>15.         | Lizatona         | 屋                 |               | 205.65-266.15∝ sandy.  |                              |  |                       |                      |                               |  |   |
| - 259               | 17<br>16         |                  |                   | ] 3              | 室                 | Colv          |  | (523.03)<br>8\3              |  |                       |                      |                               |  |   |
| 2/0                 | 270.60           | 35.8             | <u> </u>          |                  | <del>'' ' </del>  |               | brooth of extincials some lunger than to set   |                              | <u> </u>                                     | 1_                    |                      |                               |  |   |

TANDO 1 35.00

AND 10 Field Cubitly Designation. A.O.D-Noted length of cylindric cores langer than 10 cc/floted drill length) a 1005 cluster than 10 length and color injection enter pressure of 10kg/cc2

EXCEPT ALLE IN 1/01/10 and to injection enter pressure of 10kg/cc2

EXCEPT and ELEYATION and and the cotor

FORMATION is in allification

| SITE      |                | Power          | Housi              | 2          | ·····              |          |  |                  |          |           | HOLE NO.                 | SK-102               |       |   |          |       |
|-----------|----------------|----------------|--------------------|------------|--------------------|----------|--|------------------|----------|-----------|--------------------------|----------------------|-------|---|----------|-------|
| LATIT     | UOE            | 0303           |                    |            |                    |          | LONGITUDE 5971.89  |                  |          |           | ELEVATION .              |                      |       |   | 615      |       |
| CATE      |                | "Hay           |                    | Oct 3      | 0, 198             | 39"      |  |                  |          |           | DEPTH                    |                      |       | ·                                       | 341      | .60m  |
| ANGLE     |                | 160<br>1000    | . D                | 60,        | DIREC              | HION     | 210° 5 6.00° SLOPE   | .                | юн<br>[7 | (20)(<br> |                          |                      |       |   |          |       |
| SCALE (m) | ОЕРТН          | ELEVATION      | GEOLOGICAL AGE     | ROCK TYPE  | COLUMN             | CLASS    | DESCRIPTION  |                  | ET ET    | T         | CORE REC-<br>OVERY X     | 11.0.0<br>%<br>(m)   | WATER | PRESSU<br>N Valu<br>Lugeon V<br>Valua : | IRE TEST | ī .   |
| ਲੇ        | E.             | ii.            | ) <u>H</u>         | 8          | 8                  | æ        | Fresh rock 1 inht gray   | 150 XI           | <u> </u> | <b>E</b>  | 0 50 1000<br>1344 063 31 | 50100<br>3 121d ≨ [] | 0 10  | 20                                      | 30       | 10 50 |
|           |                |                |                    |            | 竖                  |          | Fresh rock, Light gray.<br>Joints: 10-20deg., rarely 45deg.  |                  | 1        |           |                          |                      |       |   |          | 1     |
| → 271     |                |                |                    |            | 井                  | Da IV    | Solution is rarely seen.   |                  |          | l         |                          |                      |       |   |          |       |
| - 272     |                |                |                    |            | 王                  | Balv     |  |                  | .        |           |                          |                      |       |   |          |       |
| - 273     |                | 1.2            |                    |            | 逹                  |          | •  | 9/19             |          |           |                          |                      |       |   |          |       |
|           | 273.35         | 311.99         |                    |            | 臣                  | -        |  | (273.35)         |          |           |                          |                      |       | ].                                      |          |       |
| - 274     |                | Ì              |                    | ę.         | 罡                  | ] . '    |  |                  | Ì        |           |                          |                      |       |   |          |       |
| - 275     |                |                |                    | Limestone  | 宰                  | Delv-Y   |  |                  |          |           |                          |                      |       |   |          |       |
|           |                |                | - ' -              | <b>3</b> . | 臣                  |          | ٠.   | 9/20             |          |           |                          |                      |       |   |          |       |
| - 276     | 276.35         | _336.59        |                    | ·          | 臣                  | <u> </u> |  | 9/20<br>[276.35] |          |           |                          |                      |       |   |          |       |
| - 277     |                |                | 5                  | . :        | 岊                  |          |  |                  |          |           |                          |                      |       | ı                                       |          |       |
| - 278     |                |                | rmati              |            | 压                  | Datv     |  |                  |          |           |                          |                      |       |   |          |       |
|           |                |                | Wadire formation   |            | 岊                  |          |  |                  |          |           |                          |                      |       |   |          |       |
| - 279     |                |                | Madi               |            | 臣                  |          |  | 3/21<br>1279.35  |          |           |                          |                      |       |   | İ        |       |
| 280       |                | 335.65         | - N                | fanti term | 2222               | DaVI     | Sandstone, soft, black.  |                  |          |           |                          |                      |       |   | .        |       |
| 204       | 20.45          | 334.69         |                    |            | 55                 |          | Fresh rocks. Light gray.<br>Joint: 10-20deg., rarely 50deg.<br>Solution is a little.                               |                  |          |           |                          |                      |       |   |          |       |
| - 231     |                |                |                    |            | 芸                  | Balv     | Solution is a little.  |                  |          | ·         |                          |                      |       |   | -        |       |
| 585       | Z31.16         | 330.0          |                    |            | 垤                  |          | ·<br>•   | 1202.33          |          |           | (\$) (A) (\$)            | 到極和                  |       |   | .        |       |
| -, 283    |                |                |                    | 뫒          | 茔                  |          |  |                  |          |           |                          |                      |       |   | .        |       |
|           |                |                |                    | Linestona  | 亞                  | п-их     |  | l                |          |           |                          | M.                   |       |   |          |       |
| - 284     |                | ,              |                    | - Š        | \\                 | BaYI     |  |                  |          |           |                          |                      |       |   |          |       |
| - 285     |                |                |                    |            | 臣                  |          |  | 9/23<br>1285 230 | 08.86    |           |                          |                      |       |   |          |       |
| - 235     | 225.00         | 223.25         |                    |            | 连                  |          |  |                  | •        |           | 10000000                 | 1 200                |       | ļ                                       |          | 1     |
| - 200     | 275.50         | 320 Ja         |                    |            | 亭                  | VIc0     | Coarse sencators, without schistopity.   |                  |          |           |                          |                      |       |   | '        |       |
| - 287     | 207.19         | <u>39</u> 3.45 |                    |            |                    |          |  |                  |          |           |                          | •                    |       | -                                       |          | ĺ     |
| - 288     |                |                |                    |            | <i>           </i> |          | Black ending hand to solt, with<br>schiscosity slightly.<br>Contain some gravel of sandstone and<br>conglowerate.  | 9/75<br>(708.73) |          |           |                          | 246 24               |       | .                                       |          |       |
| •         |                |                |                    |            |                    | CaYI     |  |                  |          | Ì         |                          |                      |       |   |          |       |
| - 509     |                |                |                    |            | <i>           </i> |          | •  |                  |          |           |                          |                      |       | -                                       |          |       |
| 550       |                |                |                    |            | 166                |          | , .  |                  |          |           |                          | <b>1841</b>          |       |   |          |       |
| - 231     | 209.65         | 324.61         |                    |            |                    | Boly     | light gray, hard, block in basalt.   | 9/33<br>(31.73)  |          |           |                          |                      |       |   |          |       |
| 1         | _211.27        | 271.01         | Ophiolitic Helenge | . :        |                    |          | ,  | 1231.45          |          |           |                          |                      |       |   |          |       |
| 292       |                |                | ttic               |            |                    | CoVI     |  |                  |          |           |                          | 48                   |       |   |          |       |
| - 293     | 279.55         | 372,27         | 10140              | 2000       | 1////              | <u> </u> | Black, sedius hard to soft, with   |                  |          |           |                          |                      |       |   |          |       |
|           |                |                |                    | Sandatone  | W                  |          | schistosity slightly.<br>Contain some gravel of sandstone and<br>conglomerate.                                     | 9/27             |          |           |                          |                      |       |   |          |       |
| 294       |                |                | Srmanak            | ω,         |                    | CaVI.    | rengivaerare.  | 1254.23          |          |           |                          |                      |       |   |          |       |
| - 235     |                |                | ÷0                 |            |                    | COTZ     |  |                  |          |           |                          |                      |       |   | -        |       |
| _ 20c     | i.             |                | Hatex              |            | W//                |          |  |                  |          | '.        | HAN I                    |                      |       |   |          |       |
| - 556     | _23.23         | 313.00         |                    |            |                    | IVc0     | Block, ending hard to hard, with schistopity<br>slightly. Contain some grand of conditions and<br>condiscarate.    | 9/23             |          |           | 開業計                      |                      |       |   |          |       |
| - 237     | <u>,377,35</u> | 317.17         |                    |            | W//                |          |  | (87.15)          |          |           |                          |                      |       |   |          |       |
| - 298     |                |                | ŀ                  |            | W.                 | ا        | Black, sedion hard to colt, with<br>schiotosity slightly.<br>Contain soze gravel of sandatone and<br>congloscrate. |                  |          |           | MANA                     |                      |       |   | -        |       |
|           |                |                | .                  |            | 1                  | CaVI     | eung tower out.  |                  |          |           |                          |                      |       | 1                                       |          |       |
| - 559     | <u>z</u> m.21  | 315.05         |                    |            | W//                |          | Olack, madius hard to hard, with   |                  |          |           | HI HALL                  |                      |       |   |          |       |
| 390       |                | <i>1</i> .     |                    |            | 996                | OayI     | schistosity olightly.  | 9/29<br>[303_f1  | <u>L</u> | 1         | MAN IN SE                |                      | 1     |   |          |       |

EX.D.D in Fack Quality Designation. R.O.O-(fotal length of cylindric cores longer than 10 cal/(fotal drill length) x 100% reversity to Voin/a ender injection water procurs of 10kg/cm2 respin and ELEVATION or in cater 2014/2007 in all limiter.

|                | SITE                |                  | Poner             | Hous               | e         |                     | <del></del>                            |  |                                       |                   |                       | HOLE NO.                                | SK-102            |                                  | 1  |          |             |
|----------------|---------------------|------------------|-------------------|--------------------|-----------|---------------------|--|--|---------------------------------------|-------------------|-----------------------|---|-------------------|----------------------------------|--|----------|-------------|
| .              | LATIT               | UDE              | 0303              |                    |           |                     |  | LONGITUDE 5971,89  |                                       |                   |                       | ELEVATION                               |                   |                                  |  | 615.4    | 25 <b>0</b> |
| -              | DATE                |                  |                   |                    | 0ct.3     | 0, 19               | 39"                                    |  |                                       |                   |                       | DEPTH                                   |                   |                                  |  | 341.6    | 50m         |
|                | ANGLE               |                  | 100<br>0000       | <u> </u>           | 6.60      | DIRE                | CTION                                  | 270' \$ 50.00 SLOPE  | 90                                    |                   | 0.00.<br>0.           |   |                   |                                  |  |          |             |
|                | SCALE (m)           | ОЕРТН            | ELEVATION         | GEOLOGICAL<br>AGE  | ROCK TYPE | COLUMN              | ROCK<br>CLASS                          | DESCRIPTION  | DATE                                  | BIT &<br>Olameter | GROUND<br>HATER LEVEL | CORE REC-<br>OVERY X<br>(m)             | R.Q.D<br>%<br>(m) | HATER PRI<br>H<br>Luga<br>K Valu | ESSURE<br>Value<br>on Value<br>e : c=/s<br>20 =K | e<br>iec | . 50        |
|                | - 301               | -                | <u> </u>          | -                  |           |                     | Bavi                                   | Contain some gravel of sondstone and conglowerate.   |                                       |                   | ω                     |   |                   |                                  |  |          | 0 50        |
|                | - 302               | 302.20           | _111.05           |                    |           |                     |  | Black, medium hard to soft, with   | 9/39<br>(302.60)                      |                   |                       |   | [5:43]<br>[3:43]  |                                  |  |          |             |
|                | - 303               |                  |                   |                    |           |                     |  | Black, Redium hard to soft, with schistopily slightly (10-20dg). Contain some gravel of sangstone and conglowerate.  |                                       |                   | ٠.                    |   | £8 10 15          |                                  |  |          |             |
|                | - 304<br>- 305      |                  |                   |                    |           |                     |  |  | 10/2<br>[304.95]                      | 08.66             |                       |   | A S               |                                  |  |          |             |
|                | 306                 |                  |                   |                    |           |                     |  |  |                                       |                   | ļ<br>,                |   |                   |                                  |  |          |             |
|                | - 307<br>- 308      |                  |                   |                    | Sandstona |                     |  |  | 10/3<br>1307.553                      |                   | · .                   |   |                   |                                  |  |          |             |
| ************   | 309                 |                  |                   |                    |           |                     | CaVI                                   |  | 10.44                                 |                   |                       |   |                   |                                  |  |          |             |
|                | - 310<br>- 311      | 3-               |                   |                    |           |                     |  | 4.   | 10/4<br>(310.15)                      |                   |                       |   |                   |                                  |  |          |             |
|                | - 312               |                  |                   | ės.                |           |                     |  |  | 10/9<br>(311.55)<br>(0/10<br>(312.20) |                   |                       |   |                   |                                  |  |          | •           |
|                | 313                 |                  |                   | Contolatic Helange |           |                     |  |  |                                       |                   | ."                    |   |                   |                                  |  |          |             |
|                | - 314<br>-<br>- 315 | 311-85           | <b></b>           | k Canaolat         | neter     | (M)                 | T)U                                    | Licenters. Hight grap, hard. Black, redice hard to spit, with schielastly slightly (10-20deg.). Contain sone licenton grape).                                  | 10/12<br>(314.09)                     |                   |                       |   |                   |                                  |  |          |             |
|                | - 316               |                  |                   | of Engage          |           |                     |  | Contain some limestone gravel.   | 10/13<br>(317.60)                     |                   |                       |   |                   |                                  |  |          |             |
|                | - 317<br>- 318      |                  | İ                 | Potrix             | Sandstone |                     | CaVI                                   |  | 10/14<br>[3]7.69]                     |                   |                       |   | , c),             |                                  |  |          |             |
|                | - 319               |                  |                   |                    | US .      |                     |  |  | 10/16<br>(319.37)                     |                   |                       | ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) | 13)               |                                  |  |          |             |
|                | - 320<br>-<br>- 321 | 321.M            | zi.z              |                    |           |                     |  | Light gray, hard   |                                       | DS 76             |                       |   |                   |                                  |  | ·        |             |
|                | - 322<br>-          | 322.50<br>322.31 | 270.55<br>272.55  |                    | Kidyser 1 | 芸                   | Aaiv<br>Cav                            | Block sadius hard to soft, with a little schistority. Coatein sees licenters grant.  | 10/17<br>[322.09]                     |                   |                       |   |                   |                                  |  |          |             |
| ************** | - 323<br>- 324      | 223.10<br>223.65 |                   | *                  | (lm)sa    | ///<br>1-1-<br>//// | VCV                                    | schistority. Contain sees incention grayer. Liestions, nord, light gray. Black, english band to cott, with a little schistority. Contain sees lieution grayer. |                                       |                   |                       |   |                   |                                  |  |          |             |
|                | - 325<br>- 325      | 295.60           | 29.2              |                    |           |                     | CaVI                                   | 324.30-324.65x Lincolons.  | 10/18<br>1925.001                     | -                 |                       |   |                   |                                  |  |          |             |
|                | - 326               | 325.CN           | 27.5              |                    | Sandstone |                     | G-Calv                                 | Oark gray, hard, fine grained.<br>326.10-326.25% Licestons, hard,<br>light gray.   |                                       |                   |                       |   |                   |                                  |  |          |             |
| 4              | - 327<br>-<br>- 328 | 223.63           | _201.25           |                    | Sand      |                     |  | Black, eeding hard to solt, with a tittle<br>emistabily. Contain sous lieulous groups.   | 196 <u>9 631</u>                      |                   |                       |   |                   |                                  |  |          |             |
|                | - 329<br>- 330      | 391.85<br>291.81 | 205.40<br>.215.40 |                    |           |                     | CaVI<br>CaVI                           | Dark gray, hard, this grained.  Oleck, endus hard to colt, with a little schiolabily. Contain 1000 licetons gravel.  |                                       |                   |                       |   | 030               |                                  | -  |          |             |
| £              | 330                 |                  |                   |                    |           |                     | ا ــــــــــــــــــــــــــــــــــــ |  |                                       |                   |                       | CASINE HALLAND CA                       | 1.4.1             |                                  |  | L        |             |

| SITE              |                   | Ронег              | House              | 2            |                 |               |  | ·                 |                          |                       | HOLE NO.                    | SK-102            |   |              |
|-------------------|-------------------|--------------------|--------------------|--------------|-----------------|---------------|--|-------------------|--------------------------|-----------------------|-----------------------------|-------------------|---|--------------|
| LATIT             | UDE               | 8303.              |                    |              |                 |               | LONGITUDE 5971.89  |                   |                          |                       | ELEVATION                   |                   |   | 615.25m      |
| DATE              |                   | 'Nay<br>101<br>101 |                    |              | ), 198          | 19"           |  | Γ                 | [ACH                     |                       | DEPTH                       |                   |   | 341.60m      |
| ANGLE             |                   | DO:E               | . )                | 0 60.<br>20. | DIREC           | TION          | 210 SLOPE  | 50                | $\overline{\mathcal{D}}$ | 0.00                  |                             | <u> </u>          |   |              |
| SCALE (m)         | DEPTH             | ELEVATION          | GEOLOGICAL<br>AGE  | ROCK TYPE    | COLUMN          | RDCK<br>CLASS | DESCRIPTION  | DATE              | BIT &<br>DIAMETER        | SHOUND<br>HATER LEVEL | CORE REC-<br>OVERY X<br>(m) | R.Q.O<br>%<br>(m) | NATER PRESSUE<br>N Value<br>Lugeon Va<br>K Value : ca | lue<br>Juses |
| U)                | 9                 | _#_                | ம                  | tantifu      | 11/1            | CaVI          |  | 10/70<br>1330.851 |                          | G                     |                             | 50 100 0          | 10 20   | 30 40 5      |
| - 331             | .230.50<br>131.40 | _281.35<br>_203.85 |                    | Clepstora    |                 | DaVI          | Clayatone, polt.   | 1330.85)          |                          |                       |                             |                   |   |              |
| 332               |                   |                    |                    | į.           | 3//6            |               | Hostly fine grained, partly containing some limestone grave).      | 10/71<br>(332.15) |                          |                       |                             | 2 4               |   |              |
| 222               |                   |                    |                    | Sandstone    |                 | 8aVI          |  |                   |                          |                       |                             |                   |   |              |
| 333<br>           | 202.65            | <b>~.</b> ~        | Kelange            | Şsc          |                 |               | r  | (33) (\$)         |                          |                       |                             | 2919              |   |              |
| 334               | 333.65            |                    | c #eli             | Schict       | 777             | DavI          | Green, claydy.   | 16/54             |                          |                       |                             |                   |   |              |
| —<br>— 335        | 311.75            | _200.50            | Ermenek Ophiolitic |              | <i>999</i>      |               | Oark gray to black.  |                   |                          |                       |                             |                   | .   |              |
| -<br>→ 336        |                   |                    | Ophi               | Sandstone    |                 | Bav1          |  | 10/న<br>(35.63)   | 08.76                    |                       |                             | 5 631             |   | 1            |
| - 330             |                   |                    | nek                | Sand         |                 |               |  | 17/75             |                          |                       |                             |                   |   |              |
| — 337<br>-        | 337.20            | 278.05             | 6                  | -            | 7144<br>3333    |               | Reddish brown, clayey, containing some limestone gravel.           | (337,23)          |                          |                       |                             | 7/25)             |   |              |
| <b>— 338</b>      |                   |                    | Matrix             |              | $\mathscr{W}$   |               | 339.00-339.25a, 339.75-339.95a 6<br>349.35-349.65a: Green colored. | 10/27<br>[733.33] |                          |                       |                             | 3 30)             |   | -  -         |
| -<br>- 339        |                   |                    | ň                  |              | ${\it H}$       |               |  | 10/23<br>(339.35) |                          |                       |                             |                   |   |              |
| -                 |                   |                    |                    | Schist       | $\mathscr{H}$   | Davi          |  | (3351.35)         |                          |                       |                             |                   |   |              |
| — 340<br>-        |                   |                    | ·                  |              | ${\it m}$       |               |  | (3/30<br>(30).63) |                          |                       |                             | 3(0.65)           |   |              |
| - 341             | <b>3</b> ,, -     | 911 ***            | ·                  |              | ${\mathcal{H}}$ |               |  | \$1/1<br>(341.60) |                          |                       | Affin .                     | 163               |   |              |
| 342               | 341.64            | 273.65             |                    |              |                 |               |  | - CALLEY          |                          |                       |                             |                   |   |              |
| -<br>- 343        |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
|                   |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| 344<br>-          |                   | ٠.                 |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 345             | ٠.                |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 345             |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
|                   |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 347             |                   |                    |                    |              |                 |               |  |                   | ·                        |                       |                             |                   |   |              |
| - 34 <del>8</del> |                   |                    |                    |              | '               |               |  |                   |                          |                       |                             |                   |   |              |
| - 349             |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| -<br>350          |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - JOU<br>-        |                   |                    |                    | . [          |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 351             |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 352             |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 353             |                   |                    |                    |              |                 |               |  | .                 | *                        |                       |                             |                   |   |              |
| -                 |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 354<br>-        | j                 |                    |                    |              | •               |               |  |                   |                          |                       |                             |                   |   |              |
| 355               |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   | 1 1          |
| -<br>→ 356        |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| -                 |                   |                    |                    |              | ٠               |               |  |                   |                          |                       |                             |                   |   |              |
| 357<br>-          |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 358             | . ]               |                    |                    |              |                 |               | ·  |                   |                          |                       |                             |                   |   |              |
| -<br>- 359        |                   |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| - 1               | , l               |                    |                    |              |                 |               |  |                   |                          |                       |                             |                   |   |              |
| 330               |                   |                    |                    |              |                 |               |  | لسسا              |                          | i                     |                             | أجللللللك         |   |              |

XO.O.O to Dack Coulity Designation. R.O.O.(fota) length of cylindric cores longer than 10 col/fota) drill length) x 100% RLUGGON VALUE to 1/oln/a ender injection water processed of 10kg/co2 MERPIN and CLEYATIGN are in enter KOLAGETER to in collisator.

| TIE       |          | Tailrace Tunnel HOLE NO. SK-106 |                   |              |        |          |   |                         |                 |                         |                    |              | 200.5       |                       |                   |               |   |
|-----------|----------|---------------------------------|-------------------|--------------|--------|----------|---|-------------------------|-----------------|-------------------------|--------------------|--------------|-------------|-----------------------|-------------------|---------------|---|
| ATLI      | 10E      | 0499,                           | 46<br>1 - Se      | n 20         | , 1989 | 1        | LONGITUDE 6424.62   |                         |                 |                         | ELEVATION<br>DEPTH |              | <del></del> |                       |                   | 369.5<br>90.0 |   |
| ATE       | <u> </u> | Sen.                            |                   | 02. qs<br>c2 | 1      |          | 50. 4 6. 80. 101 acc  | Γ.                      | 11001           |                         | DEF 111            |              | <del></del> |                       | <del></del> -     | 50.1          |   |
| NGLE      |          | 0000                            | Ľ                 | 6.00         | DIREC  | .1108    | \$100 \$ \$ 0.00 ST GPE   | <u>s</u>                |                 | 0.65                    |                    |              | 1           |                       | ·                 |               |   |
|           |          | 101                             | OGICAL<br>AGE     | YP.          | Ē      | . g      | DESCRIPTION   | DESCRIPTION             |                 | EVEL                    | CORE REC-          | R.Q.D        | HĄI         | ER PRE                | SSURE             | TEST          |   |
| SCALE (m) | DEPTH    | ELEVATION                       | GEOLOGICAL<br>AGE | RDCK TYPE    | COLUMN | 70CK     |   | DATE                    | BIT &<br>DIAMET | GROUND<br>WATER LEVE    | OVERY X<br>(m)     | (m)<br>_5010 |             | N<br>Lugeo<br>K Value | n Yalus<br>: ce/: | ec            |   |
| 7         | ä        | <u> </u>                        | 3                 | <u> </u>     | 3.     | <u>-</u> | 0-3.4% Doulder of Limestone, fresh                              | 0                       | œ.              | 35                      |                    |              | }-}-        | 10 7                  | 03                | 1             | 0 |
|           |          |                                 |                   |              |        |          | rocks.  |                         |                 | 9/2<br>(1.65)           |                    |              | <b>]</b>    |                       |                   |               |   |
|           |          |                                 |                   |              |        |          | 3.4-4.35m. Gravels and rock<br>fragments of lizestone.          | 9/1<br>11.601           |                 | 11.61                   |                    |              |             |                       |                   |               |   |
| 1         |          |                                 |                   | osat         |        |          | 4.35-6.0a: Boulder of linestone                                 |                         | D.B101          |                         | HILL               |              |             |                       |                   |               |   |
| - 3       |          |                                 | Guaternary        | t deposit    |        |          | fresh & hard.   |                         |                 |                         |                    | 44-444       | 1           |                       |                   |               |   |
| ٠ 4       |          |                                 | Guate             | River bod    |        |          | 6.0-6.90a: Pock fragments & grave)s of limestone (hard & chalky | 9/2<br>(4.30)           |                 |                         |                    | 2011         | } }         |                       |                   |               |   |
| - 5       |          |                                 |                   | 2            |        | -        | limestone (white).  |                         |                 | 1015                    |                    |              |             |                       |                   |               |   |
|           |          |                                 |                   |              |        |          |   |                         |                 | 02 921<br>00557<br>1015 |                    |              |             |                       |                   |               |   |
| - 6       |          |                                 |                   |              |        |          |   | 9/5<br>16.50)           |                 |                         |                    |              |             |                       |                   |               |   |
| - 7       | 62.9     | .352.E)                         | <del></del>       |              | 古      |          | Slightly weathered rocks.                                       | 10.50                   | 0.886           |                         |                    |              | 1           |                       |                   |               |   |
| - в       |          |                                 |                   |              | 室      | 45777    | Joint: 10-30, 45 660dcg<br>brown stained.                       |                         |                 |                         |                    |              |             |                       |                   |               |   |
|           |          |                                 |                   |              | 宝      | Abiii    | 7.4-7.8a: 60deg, joint with thin                                |                         |                 |                         |                    |              |             |                       |                   |               |   |
| 3         | 9.65     |                                 |                   |              | 压      |          | clay.   | 9/6<br>[9/9]<br>[10 009 |                 |                         |                    |              |             |                       |                   | ·             |   |
| 10        | _10.63   | 30.21                           |                   |              | 逹      | VIEV     | 6.9-0.5% Cavity; filled by light yellow hard materials, without | 1.04.64                 |                 |                         |                    |              |             | 1 1                   |                   |               |   |
| 11        |          |                                 |                   |              | 弄      |          | opening.  | 9/9                     |                 |                         |                    | (4)<br>(4)   |             |                       |                   |               |   |
| . 12      |          |                                 |                   |              | 臣      | thIII    | i8.0-18.1a: Cavity along 49deg.<br>joint, filled by hard clay.  | (11,tg)                 |                 |                         |                    |              |             |                       |                   |               |   |
|           |          |                                 | . }               |              | 逹      | }        |   |                         |                 |                         |                    |              |             | }                     | ·                 | .             |   |
| - 13      | 13.55    | 355,111                         |                   |              | 至      |          |   |                         |                 |                         |                    |              |             |                       | ļ                 | Ì             |   |
| - 14      | -        |                                 |                   |              | 压      |          |   | A                       |                 |                         | 4                  |              |             |                       |                   |               |   |
| - 15      |          |                                 |                   |              | 臣      |          |   | 1(4 20)<br>8/11         |                 |                         |                    | 11453        | 11          |                       |                   |               |   |
| - 16      |          |                                 |                   |              | 厾      | VPIA     |   |                         |                 |                         |                    |              |             |                       | Ì                 |               |   |
|           |          |                                 |                   |              | 空      |          |   |                         |                 |                         |                    |              |             |                       |                   |               |   |
| 17        | 42 70    | ಚಚ                              | 5                 |              | 五      |          |   | 9/13<br>117-751         |                 |                         |                    | 13 8         |             |                       |                   |               |   |
| - 10      | _15.45   | -31.52                          | T.                | tans         | 连      |          |   |                         |                 |                         |                    |              |             |                       |                   |               |   |
| 19        | 7        |                                 | tedine formation  | Lacetone     | 臣      |          | 1   | 9/13                    |                 |                         |                    |              | 1           |                       | 1.                |               |   |
|           |          |                                 | 1991              |              | 擇      | 11164    |   | 9/13<br>((9.50)         |                 |                         |                    | HE H         | 1 1         | 1                     |                   |               |   |
| 20        |          |                                 |                   |              | 呂      |          |   |                         | 0.876           |                         |                    |              |             |                       |                   |               |   |
| - 51      | -3r@     | 200.65                          |                   |              | 压      |          |   |                         |                 |                         |                    |              |             |                       |                   |               |   |
| - 22      |          |                                 |                   | :            | 运      | }        |   | 9/20<br>[22.50]         |                 |                         |                    |              |             |                       |                   |               |   |
| - 23      | 22.45    | 347.10                          |                   |              | 詔      |          | Fresh racks. Gray.  | 182.50                  |                 |                         |                    |              |             |                       |                   |               | : |
| -3        | ,        |                                 |                   |              | 宝      |          | Joint: 20-30deg., rarely stained brown.                         |                         |                 |                         |                    |              | <b> </b>    |                       |                   |               |   |
| 24        |          |                                 |                   |              | 迂      |          | 30.15-30.0x: Opening (1cn) along 20 6                           |                         |                 |                         |                    |              |             |                       |                   |               |   |
| 25        |          |                                 |                   |              | 臣      |          | 60deg, joints, without filling.                                 |                         |                 |                         |                    |              | j           |                       |                   |               | • |
| - 26      |          |                                 |                   |              | 压      | 73 \$141 |   | 1,23,                   |                 | }                       | 是是其間               |              | 1           | }                     |                   |               | 1 |
|           |          |                                 |                   |              | 臣      |          |   | 9/21<br>173.571         |                 |                         |                    |              | 1           |                       |                   |               |   |
| 27        |          |                                 |                   |              | 臣      |          |   |                         |                 |                         |                    |              |             |                       |                   |               | ļ |
| 28        |          |                                 |                   |              | 歪      |          |   |                         |                 |                         |                    | 問問           |             |                       |                   |               |   |
| 50        |          |                                 |                   |              | 臣      |          |   |                         |                 |                         | BILLIAN            | ALL II       |             |                       |                   | 1             |   |
|           |          |                                 |                   |              | 呂      |          |   |                         |                 |                         |                    |              |             |                       |                   |               |   |

equal to pack destity ecologistics. (0.0.0- Notal length of cylindric cares longer than 10 cellifotal drill length) x 160% attacks value to Mainland and a injection rater eracture at longice2

ECONNECT is in collister.

EDINESIES to in collister.

| LATIT              | UDE            | 0499   |                    |                     |          |                      | LONGITUDE 6424.62  |                         |          |                            | ELEVATION                       |  |   | 369     |
|--------------------|----------------|--|--------------------|---------------------|----------|----------------------|--|-------------------------|----------|----------------------------|---------------------------------|--|---|---------|
| DATE               |                |  |                    | ер. 30              | 1989     | )*                   | N 1 as 1   |                         |          |                            | DEPTH                           |  | ·   | 90      |
| ANGLE              | -              | 10:<br>15:                                   |                    | හ                   | DIREC    | TION                 | 270° S 5 0.00° SLOPE   | ,                       | о Г      | T 0.00                     | ·<br>1                          |  |   |         |
| SCALE (m)          | Ŧ.             | ELEVATION                                    | GEOLOGICAL<br>AGE  | ROCK TYPE           | COLUMN   | ROCK<br>CLASS        | DESCRIPTION  | 민                       | AT &     | GROUND<br>GROUND<br>GROUND | CORE REC-                       | R.Q.D<br>*   | WATER PRESSU<br>N Valu<br>Lugeon Va<br>K Value: C | RE TEST |
| अ                  | DEPTH          | 립  | ij                 | 8                   | 8 "      | ğ                    |  | DATE                    | EII C    | 18 3                       | (m)<br>0 50 (00)<br>6144 (1141) | (m)<br>50 100  | 0 10 20   | 30      |
| 31                 |                |  |                    |                     | 差        | to viii              |  |                         |          |                            |                                 |  |   |         |
| - 32<br>-          | 22,11          | 311.6  |                    |                     | 差        |                      | Fresh rocks. Gray.<br>Joint: 20-30deg. rarely stained brown.   | 135 10)<br>a\ss         |          |                            |                                 |  |   |         |
| 33                 |                |  |                    |                     | 逹        |                      | 33.1-33.3c Opening (ice) along 70deg.<br>joints, without filling<br>34.3-34.6c Cores are rock fragozots. |                         |          | :                          |                                 |  |   | -       |
| 34<br>1<br>1<br>35 | _31.64         | THE  |                    |                     | 茎        | 10.130               | Fresh rocks, Gray,   | 0/2)<br>(175 2N         |          |                            |                                 | 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100 |   |         |
| 36                 |                |  |                    |                     | 差        | Aa-biy               | Joint: 10-30deg., rarely stained brown.  |                         |          |                            |                                 |  |   |         |
| 37                 |                |  |                    |                     | 芸        |                      | 35.5m: Opening (3cm) along 40deg.<br>joints, filled by hard gray clay.                                   |                         |          |                            |                                 |  |   |         |
| 38                 | 30.20          | _ <u>211_35</u>                              |                    |                     | 弄        |                      | 35.9-36.5a: Pany openings (0.5-icm)<br>along 20-45dag.   |                         |          |                            |                                 |  |   |         |
| 39<br>40           | 49.00          | 322.55                                       |                    |                     | 茎        | 13:63H               | 37.5m; ica opening, filled by calsite partly.  |                         |          |                            |                                 |  |   |         |
| 41                 | 49.00<br>59.30 | m.r  |                    |                     | 艺        |                      | Fresh rocks. Gray.<br>Joint: 10-30deg., rarely stained<br>brown.   | (4).(A)                 |          |                            |                                 |  |   |         |
| 42                 |                |  |                    |                     | 芸        | ¥a-p[4               | 42.45-42.75 & 43.3-43.40; Cores are fragments.   |                         |          |                            |                                 |  |   |         |
| 43<br>143          |                |  |                    |                     | 芸        |                      | 43.4-43.5a: 1cd opening.   |                         |          |                            |                                 |  |   |         |
| L 44               | 11.50          | 375.15                                       | fornation          | Lamestons           | 蹇        |                      | Fresh rocks, without oxidation.  | 9/26<br>(44.57)         | 0.878    |                            |                                 |  |   |         |
| الساسل<br>چه       | ٠.             |  | Madine fi          | 12.23               | 墨        |                      | doint: 20-45deg.<br>47.40: Ica opening.  |                         |          |                            |                                 |  |   |         |
| 17<br>17           |                |  |                    |                     | 至        |                      | 50.25%: 40deg, open joint (0.5-1cm), with colsite partly.  |                         |          |                            |                                 |  |   |         |
| 48                 |                |  |                    |                     | 至        |                      |  |                         |          |                            |                                 |  |   |         |
| 49                 |                |  |                    |                     | 茎        |                      |  |                         |          | -                          |                                 |  |   |         |
| 50<br>151<br>151   |                |  |                    |                     | 差        | 1116-CS              |  | 9/2 <i>i</i><br>[50.59] |          |                            |                                 |  |   |         |
|                    |                |  |                    |                     |          |                      |  |                         |          |                            |                                 |  |   | -       |
| 53<br>53           |                |  |                    |                     | 達        |                      |  |                         |          |                            |                                 |  |   |         |
| 54<br>155<br>155   |                |  |                    |                     | 竖        |                      |  |                         |          |                            |                                 |  |   |         |
| 55                 | F9. 10         | 313.27                                       |                    |                     | 墨        |                      |  |                         |          |                            |                                 |  |   |         |
| 57                 |                |  |                    |                     | 弄        |                      |  |                         |          |                            |                                 |  |   |         |
| - 53               |                |  |                    |                     | 差        | lid-es               |  | ase                     |          |                            |                                 |  |   |         |
| 59<br>60           |                |  |                    |                     | 医        |                      |  | 9/23<br>(59.24)         | <u> </u> |                            |                                 |  |   |         |
| FLUC<br>NOET       | THY I'OS       | ock Cual<br>UE is 1/<br>ELEVATIO<br>o in oil | oln/o u<br>H ero i | nder inj<br>n ester | cetioa e | 0=(Yotal<br>ator pre | length of cylindric carea longer than 10 cc)<br>cause of 10kg/cc2  | / (Tota)                | crill    | Jenyth)                    | x 1991                          | •  | * .   |         |
| -011               | ,~:w1          |  |                    |                     |          |                      | A1   | -                       | 14       |                            |                                 |  |   |         |
|                    |                |  |                    |                     |          |                      |  |                         |          |                            |                                 |  |   |         |

| SITE         |          |                 | ace T             | unne l     |        |               |   |                  |                   | HOLE NO. SK-106       |                             |                             |  |  |
|--------------|----------|-----------------|-------------------|------------|--------|---------------|---|------------------|-------------------|-----------------------|-----------------------------|-----------------------------|--|--|
| LATIT        | UOE      | 8499            |                   |            |        |               | CONGITUDE 6424.62   |                  | <del>-</del>      |                       | ELEVATION                   | <u> </u>                    |  | 369.55m  |
| DATE         |          |                 |                   | ер. 30     | 1989   |               | 1-0   | ·                |                   |                       | ОЕРТН                       | <b>}</b>                    | <del></del>  | 90,00m   |
| ANGLE        |          | 10<br>001       | $\mathbb{L}$      | 0.60       | DIREC  | TION          | 310. S 0.00 SFONE   |                  | .                 | 0.00°                 |                             |                             |  | · · · · · · · · · · · · · · · · · · ·            |
| SCALE (m)    | ОЕРТН    | ELEVATION       | GEOLOGICAL<br>AGE | ROCK TYPE  | COLUMN | ROCK<br>CLASS | OESCRIPTION   | DATE             | BIT S<br>DIAMETER | SPOUND<br>HATER LEVEL | COHE REC-<br>OVERY X<br>(m) | H.O.D<br>X<br>(m)<br>50 100 | HATER PRESSUR<br>N Value<br>Lugeon Value<br>K Value: cm                                | E TEST<br>Je<br>Jsec<br>30 40 5                  |
| -            |          |                 |                   |            | 玉      |               |   |                  |                   | .=                    |                             |                             |  |  |
| - 61<br>- 62 | :        | 346.20          |                   |            | 窑      | 11d-ca        | Fresh rocks, without exidation.<br>Joint: 20-45deg.                     |                  |                   |                       |                             |                             |  |  |
| - 63         | 9.20     | _207.3 <u>0</u> | 11.1              |            | 弄      |               | 62.0s: ico opening, with calsite  |                  |                   |                       |                             |                             |  |  |
| - 64         |          |                 |                   |            | 菩      | .a*           | partly.<br>65.25-65.8mc 0.5-icm opening,                                |                  |                   |                       |                             |                             |  |  |
| - 65         |          |                 |                   |            | E E    |               | without fill.<br>69.0-69.1m: 50-60deg, open joint,                      |                  |                   |                       |                             |                             |  |  |
| - 65         |          |                 | ·                 |            | 逹      |               | withgut fill.   |                  |                   |                       |                             |                             |  |  |
| - 67         |          |                 |                   |            | 臣      |               |   |                  |                   |                       |                             |                             |  |  |
| - 68         | 111      |                 | ·                 |            | 差      |               |   | 9/29<br>(58.30)  |                   |                       |                             |                             |  |  |
| 69           |          |                 |                   |            | 臣      |               |   |                  |                   |                       |                             |                             |  |  |
| 70           |          |                 |                   |            | 辛      | 12-6115       |   |                  |                   |                       |                             |                             |  |  |
| 71           | _11.25   | 259,31          |                   |            | 垚      |               | Fresh rocks, without exidation. Nith many small solution openings.      |                  |                   |                       |                             |                             |  |  |
| ~ 72<br>- 73 |          |                 | 1.1.              |            | 臣      | ,             |   |                  |                   |                       |                             |                             |  |  |
| - 74         |          |                 | ion               |            |        |               |   | 9/30<br>[74,20]  |                   |                       |                             |                             |  |  |
| 75           |          |                 | Mastre forestion  | Liasstone  | 至      |               |   |                  | 0.876             |                       |                             |                             |  | <del>                                     </del> |
| 76           |          |                 | Natire            | 3          | 臣      |               |   |                  |                   |                       |                             |                             |  |  |
| - 11         |          |                 |                   | <br> -     | 茎      |               |   |                  |                   |                       |                             |                             |  |  |
| 70           | _n.z.    | 271.37          |                   | !          | 苦      |               | Fresh rocks, without exidation.   |                  |                   | ÷.                    |                             |                             |  |  |
| 79           |          |                 |                   |            | 丰      |               | Woint: 20-45deg, and rarely 70deg. 82.3 & 85.9-86.0m; ica opening, with | 10/2<br>(80 co)  |                   |                       |                             |                             | Upper Orgin : 75.60<br>Luses Depin : 00.00<br>Luses o Tallor : 3.50                    |  |
| - B0         |          |                 |                   |            | 国      |               | calsite.  78.25-02.0m Cores were lost due to                            | E-F WI           |                   |                       |                             |                             |  |  |
| - 81<br>- 82 | 19.61    | 207.55          |                   |            | 逹      |               | flood.  |                  |                   |                       | 82 82 B2                    |                             | Upper U; 27.69<br>Lower Uppth: 82.09<br>Lugeon Waller                                  |  |
| 03           |          |                 |                   |            |        | 13-63111      |   |                  |                   |                       | **                          |                             | Upper Epth : 83,00   |  |
| В4           | - [:-:-] | 275,155         |                   |            | 弄      |               |   | 10/3<br>104.0%   |                   | ·                     |                             |                             | Upper topth: \$2.00<br>Lower Roth: \$3.00<br>Luggon Value: 90<br>h Yalio: 0.000,00     |  |
| 65           |          |                 |                   | . :        | 芸      |               |   |                  |                   |                       |                             |                             | typer Doth: 84 Do<br>Lour Orbit: 85 Do   |  |
| - 06         |          |                 |                   |            | Ξ      | la bil        |   | (0/4<br>(F3.10)  |                   |                       |                             |                             | legar Dobth : 84 ho<br>Lean Dobth : 85 Do<br>Lugar Malue : 0.20<br>h halue : 0.00000   |  |
| 07           |          |                 |                   |            | 芸      |               |   | 10/9<br>105 101  |                   |                       |                             |                             | Upper Debth : 85.50 .<br>Lazer Debth : 80.50<br>Lages Value: 0.50<br>A Falue   0.00000 |  |
| - 68         |          | 271.57          |                   | # <u> </u> | Ξ      |               |   |                  |                   |                       |                             |                             | h falue 0.00000  |  |
| 90           | 92.00    | 279.83          |                   |            |        | /a 6111       |   | 10/10<br>100,50) |                   |                       |                             |                             | Upper Coults: 88 Do<br>(cert Dolth: 90 DO<br>(tegron Value: 0 30<br>k falue: 0 000000  |  |

PO point 200 to 1/200 TTT 1 100% TO 100 TO 1

| LATIT     | UDF.                            | 9255.             | ace I            |           |            |                    | LONGITUDE 7504.22 ELEVATION  |                  |                   | -                     | SK-107<br>368.89m                       |                   |  |  |
|-----------|---------------------------------|-------------------|------------------|-----------|------------|--------------------|--|------------------|-------------------|-----------------------|---|-------------------|--|--|
| DATE      | UUL.                            |                   |                  | ct.       | 10, 198    | 39                 |  |                  |                   | <del></del>           | DEPTH                                   |                   | 50.3   |  |
| ANGLE     |                                 | SON<br>UF<br>DOEN | 5                |           | DIREC      | CTION              | 270 SLOPE  | 9                | , D               |                       |   |                   |  |  |
| SCALE (m) | ОЕРТН                           | ELEVATION         | GEOLDGICAL       | ROCK TYPE | COLUMN     | ROCK<br>CLASS      | DESCRIPTION  | ш                | BIT &<br>DIAMETER | GROUND<br>MATER LEVEL | CORE REC-<br>OVERY X<br>(m)             | H.Q.D<br>X<br>(m) | MATER PRESSURE TEST<br>N Value<br>Lugeon Value<br>K Value: cm/sec  |  |
| 3         | 岜                               | ä                 | 떙                | æ         | 8          | 8                  | Wahlu walkeend and channel notice                                  | DATE             | IE C              | 8 =                   | 0 50 1000<br>EMJ LELIT                  | 50' 100<br>       | 0 10 20 3u 40  |  |
| أنسا      |                                 |                   |                  |           |            |                    | Highly weathered and sheared rocks.  Brown, with clayey materials. |                  |                   |                       |   |                   |  |  |
|           |                                 |                   |                  |           |            | Ęе                 | mont, stru elafel marci late.                                      | 1/12             |                   |                       |   | 2                 |  |  |
| F 2       |                                 |                   |                  |           |            |                    |  |                  |                   |                       |   |                   |  |  |
| - 3       | 3.00                            | 17,5.80           |                  |           | 1/         | Dc                 | Koderately weathered rock.   |                  |                   | ľ                     | <b>31</b>                               |                   |  |  |
| 4         | 8.00                            | 363.50            |                  |           |            |                    | Bituminous, dark gray  Fresh rock, gray.                           | 4/12<br>(4.99)   |                   |                       |   |                   |  |  |
|           | 4-55                            | _323°ā2           |                  |           |            | CI-0111            | Portly chalky (light gray).  |                  |                   |                       |   |                   |  |  |
| 1         |                                 |                   |                  |           | 1//        |                    | Oxidation:<br>7.10a: O-5deg. joint.                                |                  |                   |                       |   |                   |  |  |
| nudu.     |                                 |                   |                  |           |            | Ca-oii             | 8.15-8.20# 90deg, joint.   | \$/12<br>(7.00)  |                   |                       |   |                   |  |  |
|           |                                 |                   |                  |           | 1//        |                    | 4.60-5.00a: Sandy.   | 6/12<br>(8.09)   |                   | B/12<br>(7.40)        |   |                   | Love Depth: 6.60<br>Love Depth: 6.60<br>Love Depth: 6.60<br>Love Depth: 14.50  |  |
|           | -12                             | <b>33</b> 83      |                  |           | 1//        | E DII              |  | [8.CO)           |                   |                       |   |                   |  |  |
| - 9       | 9.15                            | _359.34           |                  |           | 1//        | Calli              |  |                  |                   |                       |   |                   |  |  |
| 10        |                                 |                   |                  |           |            | .                  | Fresh rock, gray. Partly chalky (light gray) 6 sandy.              |                  |                   | 110.35)<br>110.35)    |   |                   | lipper Dalh: 8 00 22's   |  |
| <u> </u>  |                                 |                   |                  |           |            |                    | No oxidation   | 7/12<br>(11.62)  | .                 |                       |   |                   | Leiser Diplih : 11 00 57 1 (tugaan latus: 31 40 1 57 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |  |
|           |                                 |                   |                  |           |            | lleD               | Joint:<br>0-5deg. (badding) and rarely                             |                  |                   | (11/12<br>(11.45)     |   |                   |  |  |
| F 15,     |                                 |                   |                  |           | 1//        |                    | 10-20deg.  |                  |                   |                       |   |                   |  |  |
| 13        | 13.40                           | 355.41            |                  |           |            | 124 - 1<br>- 2 - 1 | 13.55-13.70a: 70deg. joint.  |                  |                   |                       |   |                   | Upper Obpith: \$100 c.<br>tower Obpith: 1600 c.<br>tuggen fratus: 25 for 1.50<br>is failur: 9,000000   |  |
| 14        | 14.00                           | - 1               | noi              |           |            | CaII1              | 10.00 10.10cc Founds Journey                                       | 6/12<br>(14.00)  |                   |                       |   |                   | Is value: 0.000000   |  |
| ± 15      |                                 |                   | Sorcel forcation | Mar.      | 1//        |                    |  | ٠,               | HC.86             | 15/12<br>115.23       |   |                   |  |  |
| - 16      |                                 |                   | 151<br>151       | -         |            | Coll               |  | 5/t2<br>(.6.30)  |                   | 29/12<br>[15.20]      |   |                   |  |  |
|           |                                 |                   |                  |           | 1//        |                    |  | 11/12            |                   | ٠.                    |   |                   | troor Orbin : 14 b0<br>Inwer Debit : 17.00<br>Lugeror White: 0 b0<br>k Value 0 000000  |  |
| 17        | <u>165</u>                      | -816              |                  |           |            |                    | Fresh, gray, partly chalky (light                                  |                  |                   | 13/12<br>(17.50)      |   |                   |  |  |
| 18        |                                 |                   |                  |           | 1//        | Calv               | gray).   |                  |                   | 11.                   |   |                   |  |  |
| 19        | 19.30                           | _3/9,52           |                  |           |            |                    | Joints with thin clay 6<br>slickenside:                            | 12/12<br>(19.33) |                   |                       |   |                   | Upper Cepth : 7.00<br>Loser Expth : 20.00<br>Loser Expth : 20.00<br>Loser Value : 27.0<br>k Yalle : 8.00000  |  |
| 20        |                                 |                   |                  |           | 1//        |                    | 17.20-17.75a: 10-15deg.<br>24.50-24.70a & 25.00-25.50a:            |                  |                   |                       |   | 10 6              | Luceof Value: 12 70 k Value: 0.000000  |  |
| 21        |                                 |                   |                  |           |            | Calli              | 70deg.<br>Other joints: 0-5 deg. foedding)                         |                  |                   |                       |   |                   |  |  |
|           | . '                             |                   |                  |           |            |                    | & rarely 10-30dag.   | 13/12            |                   |                       |   |                   |  |  |
| 55        | 21.20                           | 1/5,10            |                  |           | 1/2        | Call               | No oxidation.  | 122,201          | 1                 |                       |   |                   | District Control of the Control of t |  |
| 23        | 23.65                           | .1/5.02           |                  |           |            |                    |  |                  |                   |                       |   |                   |  |  |
| - 24      | ]                               | ٠                 |                  |           |            |                    |  |                  |                   |                       |   |                   |  |  |
| 25        |                                 |                   |                  |           | 1//        | Colti              |  | (25.65)          |                   |                       |   | 13 A              | ubper Digita : 23 00   |  |
| - 26      | Z5.50                           | 37.0              |                  |           | 1//        |                    |  |                  |                   |                       |   |                   | huggon raise 58 30<br>8 Yalue: 0.000000  |  |
|           | _21.30                          | 317.51            |                  |           | 1/         |                    | :Fresh, partly thalky.   |                  |                   |                       | 開開開                                     |                   |  |  |
| - 27      |                                 |                   |                  |           | 1/         | Çall               | Joint: Similar to the above section.                               |                  |                   |                       |   |                   |  |  |
| - 59      |                                 |                   |                  |           | 1//        |                    | 30.45-30.00% Fractured along 45 6<br>60dag, joints.                | 15/12<br>(70,65) |                   |                       |   |                   | toper Ochin : 26 pa<br>lower Bebin : 29 pa<br>luyeon Yatue: 0 pa<br>k Yalue: 0.00000p  |  |
| - 29      | _23.02                          | . <u>379 E</u> 1  |                  |           | 1//        | Catli              |  |                  |                   |                       |   |                   | tipper Optin : 29 00<br>(lover Optin : 30 00<br>(lover Optin : 30 00<br>(lover Malter 0 10<br>t granue : 0.000000  |  |
| 30        | 39.69                           | 128.63            | 130 84           | <br>      | //         |                    | length of cylindric cores longer than 10 cml                       | / (Intal         | drill le          | nalh) .               | 141111111111111111111111111111111111111 |                   | k Yalue 0.00000  |  |
| rt DO     | on en di<br>On Valu<br>Diens in | E 13 1/1          | oin/a u          | iden i    | nicction i | eater pre          | scure of 10kg/co2  |                  |                   | g.ut 1                |   |                   |  |  |
|           | €TEN 18                         |                   |                  |           | i.         |                    |  | -                |                   |                       |   |                   |  |  |
|           | 1.                              |                   |                  |           |            |                    | A1 -   | 16               | 5                 |                       |   |                   | . *  |  |
| •         |                                 | 4 15              |                  |           |            |                    |  |                  |                   |                       |   |                   |  |  |

| SITE         |                            | Tailr                         | ace I             | unne 1    | <del>,</del> |                    |  |                                     | <u></u>           |                       | HOLE NO.                    | SK-107            |  |         |
|--------------|----------------------------|-------------------------------|-------------------|-----------|--------------|--------------------|--|-------------------------------------|-------------------|-----------------------|-----------------------------|-------------------|--|---------|
| LATIT        | UDE                        | 9255.                         |                   |           | 25. 5        |                    | LONGITUDE 7504.22  |                                     |                   |                       | ELEVATION                   |                   |  | 368.89m |
| DATE         |                            |                               |                   | ct. i     | 0, 198       | 39                 |  |                                     |                   |                       | DEPTH                       |                   |  | 50.30m  |
| ANGLE        |                            | 157<br>Us<br>0070             |                   | 0.69°     | DIREC        | TION               | 270. ST DE   | s                                   | . <i>口</i>        | 0 00.                 |                             | \                 |  |         |
| SCALE (m)    | DEPTH                      | ELEVATION                     | GEOLOGICAL<br>AGE | ROCK TYPE | COLLUMN      | ROCK<br>CLASS      | DESCRIPTION  | DATE                                | BIT &<br>OIAMETER | GROUND<br>NATER LEVEL | CORE REC-<br>OYERY X<br>(m) | R.Q.D<br>%<br>(a) | WATER PRESSURE<br>N Value<br>Lugeon Value<br>K Value: ce/s   | sec ·   |
| l M          | _8_                        | <u> </u>                      | 8                 | Œ         | 1//          | æ                  | <u> </u>   | 18/12                               | 100               | 18 7                  | 50 1000                     | 50 (00)           | 0 10 20 3  | 10 50   |
| 31           | 30.00                      | 339.02                        | ·                 |           | 1            | Calli              | Fresh, gray, partly chalky (light gray)  | [30 ac)                             |                   |                       |                             |                   | Upper Orbith: 30 DO<br>Lower Depith: 32 DO<br>Logen Value: 0 130<br>h Yalue: 0 000000                |         |
| - 32         | 35.60                      | 336.89                        |                   |           | 1            |                    | Joint:<br>0-5deg. (bedding) .  |                                     |                   |                       |                             |                   | k Value   0.00000  |         |
| 33           | 31.00                      | 311.15                        |                   |           | 1/2          | Cell               | 35.00-35.10a; 60deg.<br>35.50-35.80a; 80deg.   | 10/12<br>(34.60)                    |                   |                       |                             |                   |  |         |
| 35           | 35.50                      | 30.60                         |                   |           | 1/2          | Calli              | 35,80-35,90m & 38,10-38,80m;<br>Fractured.   |                                     |                   |                       |                             |                   | ipper Debth : 32 b0<br>town Debth : 37 b0<br>tupen Value : 6 56<br>t Value   0.00000                 |         |
| - 36         | _35.49                     | _32.4 <u>8</u>                |                   |           |              | Calv               |  | 19/12                               |                   |                       |                             |                   |  |         |
| 37           | ا ; ا<br>ار                |                               |                   |           | 1            | Cal                |  | 20/12                               |                   |                       |                             |                   | Speen Depth : 35,00<br>saven Depth : 39 50<br>success talue: 0,00<br>s falue: 0,00000                |         |
| 38           | 34.60                      |                               |                   |           |              |                    | tang di kacamatan di Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Ban<br>Bandaran Kabupatèn Bandaran Bandaran Bandaran Bandaran Bandaran Bandaran Bandaran Bandaran Bandaran Bandaran B | [30.00]                             |                   |                       |                             |                   | F Y3108 19.60000D  |         |
| - 39<br>- 40 | 39.15                      | 323.14                        | formation         | Harl      | 1/           | CaIV               | Fresh rook, gray:<br>Partly chalky (light gray):<br>Joint:   | (40°60)<br>55\75                    | ₩¢.88             |                       |                             |                   | idere deplin : 30 do   |         |
| 41           | 41.60                      | 327.60                        | Goraz] f          | #         |              | Cal                | 0-5deg. (bedding), rarely 10-20deg.<br>39.25-39.40s. (80-90deg.joints with<br>slickenside.   | (41, [0]<br>53/15                   |                   |                       |                             |                   | topar bepth: 30 00<br>lower Orbita: 41.00<br>topacon Value: 6.00<br>h Talor: 6.000000                |         |
| - 42         | 12.50<br>12.50<br>12.50    | 225.50<br>225.51<br>325.23    |                   |           |              | Çay<br>Çal         | Fractured: 39.90-40.20m<br>39.40-39.50m 10-30deg.joints, with<br>slickenside.  | 55/12<br>(62.60]                    |                   |                       |                             | 1 (12 (S))        |  | - 1     |
| 43<br>- 44   | 41.07                      | 374,67                        |                   |           |              | C9IA               | slickenside.   |                                     |                   |                       |                             | 1 (18)            | typer (tylin : 41 bo<br>lover behin : 43 bo<br>logeon Yalue : 9 bo<br>k Yalue   0.000000             |         |
| 45           | <b>/5.3</b> 5              | 20.51                         |                   |           | 1            | Calli              | Fresh rock, gray.<br>Partly chalky (light gray)  | 26/13<br>(45.35)                    |                   |                       | e Mara                      |                   |  |         |
| 46           |                            |                               |                   |           |              |                    | Joint:<br>0-5deg.(bedding), rarely 10-20deg.   |                                     |                   |                       |                             |                   | ippor Depth : 44 00<br>Lewin Depth : 47 0<br>Lewin Tahue: 0 00<br>Lydon Tahue: 0 00<br>Lydon 5.00000 |         |
| - 47         |                            |                               |                   |           |              | CalV               | 46.35-46.60m & 47.40-47.80m<br>80-90dcg, joints with slickenside.  | 27/12<br>[17.00]                    |                   |                       |                             | ###<br>           | k Yalus   6,00000  |         |
| 48           | n.c                        | 3 <b>291.</b> 80              |                   |           |              |                    | Fractured;<br>45.00-45.35a<br>46.00-46.35a<br>47.00-47.20a   |                                     |                   |                       |                             | 4                 |  |         |
| - 50         | _61.67<br>_51.09<br>_51.30 | _319.22<br>_319.63<br>_319.65 |                   |           | 1/           | CaV<br>CalV<br>Cal | 47.40-49.70m   | 20/12<br>140.69<br>23/12<br>[50.39] |                   |                       |                             |                   | Upper Debth : 47 09<br>tests Depth : 50 00<br>Luccon Nglue: 4 20<br>k Yalue   0.000x0                |         |
| - 51<br>-    |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| 52           |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| - 53<br>- 54 |                            |                               | . z               |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| -<br>- 55    |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| - 55         |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| - 57<br>- 59 |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| - 58<br>- 59 |                            |                               |                   |           |              |                    |  |                                     |                   |                       |                             |                   |  |         |
| 60           | 1.                         |                               |                   |           |              |                    |  | <u> </u>                            |                   |                       |                             |                   |  |         |

AND O TO TRUCK Consists Consequent to the Consequence of the Consequen

| ATTUDE   0.00   0.1   0.00     | <u> </u> | Pater Hause |                 |              |                                       |              |   |                                       | HOLE NO.          | SK-108a            | 1                          |                   |  |   |
|--|----------|-------------|-----------------|--------------|---------------------------------------|--------------|---|---------------------------------------|-------------------|--------------------|----------------------------|-------------------|--|---|
| MARE   |          |             |                 |              |                                       |              | LONGITUDE 6140.73   |                                       |                   |                    | ELEVATION                  |                   |  | 4B4.19                                  |
| 1  |          |             |                 |              |                                       |              |   | · · · · · · · · · · · · · · · · · · · |                   |                    | DEPTH                      |                   |  | 72.00                                   |
| Social Color   Soci   | .E       | DOWN        | . 1             | 0.93*        |                                       |              | STUPE   | g                                     | . フ               | 0 09,<br>- 0,      |                            |                   |  | <u> </u>                                |
| Solution    | Ē        | EVATION     | OLOGICAL<br>AGE | CK TYPE      | CURN                                  | CK<br>CLASS  | DESCRIPTION   | 31                                    | T & .<br>DIAMETER | OUND<br>ATER LEVEL | DVERY %                    | <b>x</b>          | WATER PRES<br>N V<br>Lugeou<br>K Value | SSURE TEST<br>alua<br>n Value<br>ca/sec |
| Sandy Sall, vith linestene frequences.    20   | 병        |             | Ж               | 8            | 8                                     | 운            |   | ă                                     |                   | <b>E</b> ×         | 6 50 1000<br>1111111111111 | 50 100            | 0 10 20                                | 30 40                                   |
| 5 5.6 47.5   10  | 1 6.50   | (4).69      |                 | · · ·        | 0 0<br>0 0<br>0 0<br>0 0              |              |   |                                       | ·                 |                    |                            | 531<br>531<br>531 |  |   |
| S. 50   47.17  | 3        |             | Guaternari      | ilus deposit | 4 4 4<br>4 4 4<br>4 4 4               |              |   | 5.00<br>25/11                         | M.CSIS            | ·                  | 2(50)<br>1<br>2 (50) 0 0 0 |                   |  |   |
| Moderately weathered rock, proposed to the post of t   | 4        |             | : .             | 122          | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |              |   | 27/11                                 |                   |                    |                            |                   |  |   |
| 9  | 5 5.60   | .479.3°     |                 |              | 至                                     |              | brown-light gray,   | B. 971                                |                   |                    |                            |                   |  |   |
| Joints: 69-70deg, Parely 20-40deg., prospective.  Jo. 20-47,75  John S. 20-47,75  Jo | 7 6.20   | 417.50      |                 |              |                                       |              | 9.40-9.55% & 9.70-10.00%:<br>Cavity filled by yellow clay &       |                                       |                   |                    |                            |                   |  |   |
| 10 10 20 -43.00 Fresh, dark gray. 11 19.00 -43.00 Fresh, dark gray. 11 19.00 -43.00 Fresh, dark gray. 12 12 25 -572.10 13  | 8        |             |                 |              | 芸                                     | YqIII        | Joints: 60-70deg, rarely 20-40deg.,                               | (0,00)                                |                   |                    |                            |                   |  |   |
| 11   |          |             |                 |              | 臣                                     |              | 10.90-14.00x Fresh, dark gray.                                    |                                       |                   |                    |                            |                   |  |   |
| Acili  Ac |          |             |                 |              | 菩                                     | VIDA         |   | 30.61                                 |                   |                    |                            |                   |  |   |
| Actif (5.69)  Actif (6.69)  Ac |          | 472,19      |                 |              | 芸芸                                    |              |   | 112.69)                               |                   |                    |                            |                   |  |   |
| 16 10.00 405.17 2 2 3 3 4 3 1  |          |             |                 |              | 芸                                     |              |   |                                       |                   | :                  |                            |                   |  |   |
| 17 10 10.00 at 5.1° 20 10 10 10 10 10 10 10 10 10 10 10 10 10  | 5        |             | -               | •            | 芸                                     | Ac111        |   | 2/12<br>((5,00)                       |                   |                    |                            |                   |  |   |
| April  |          |             | 330             |              | 芸                                     |              |   |                                       | •                 |                    |                            |                   |  |   |
| April  |          | _ef5_1°     | ire foncal      | Linastona    | 芸                                     |              |   | 4/12                                  | D-D10T            |                    |                            |                   |  |   |
| 1   1   1   1   1   1   1   1   1   1  | 0        |             | Page            |              | 至                                     | II6A         | Anderately weathered cock   | [10 50]                               |                   |                    |                            |                   |  |   |
| 26.55-25.70s.  Cavity, parity filled by calcite. 5/12 (22.10)  Joints: 20-30deg., rarely oxidation. 6/12 (23.10)  Fractured zone: 19.70-21.00a & 25.49-23.70a.   | 0 21.00  | 453.19      |                 |              | 芸芸                                    | VIck         | light gray, parkly congloperatic.<br>23.60-23.65m, 25.40-25.60p & |                                       | .:                |                    |                            |                   |  |   |
| Fractured zone:  19.70-21.00a & 25.40-23.70a.  25  |          |             |                 | i            | 弄                                     |              |   | 65 (1)                                |                   |                    |                            |                   |  |   |
| 25 75.0 53.0 T1 T1 T1 A31V   | 3        |             | . 2             |              | 芸                                     | Hick         | Fractured zone:   | 6/12<br>[23.00]                       |                   | - : ;              |                            |                   |  |   |
| 26 - 23.00 - 23.10 - 12.11 - 1 |          | ~eore       |                 |              | 至                                     |              | 19.70-21.00a & 25.40-25.70a.                                      |                                       |                   |                    |                            |                   |  |   |
|  | - 23.62  |             | :               |              |                                       | <b>VI</b> EA |   | 1/12<br>(25_00)                       |                   |                    |                            |                   |  |   |
|  | 7 21 00  |             |                 |              | 芸芸                                    | ИПС          |   |                                       |                   |                    |                            |                   |  |   |
| 29   | ן ו      |             |                 |              | 艺艺                                    | lict         |   |                                       |                   |                    |                            |                   |  |   |

xi.a.D is Rock Quality Conjection. B.O.D-flotal length of cylindric cores longer than 10 ccl/flotal delil length) x 100% stucked Yalue to 1/ain/a under injection water pressure of 10%g/cc2 spepth and CLCVATION are in sater XDIAMETER to in allienter

| ĬΪĒ      |                | Power House |                  |             |              |           |  |                  | HOLE NO. SK-108a |          |                  |  |   |                       |
|----------|----------------|-------------|------------------|-------------|--------------|-----------|--|------------------|------------------|----------|------------------|--|---|-----------------------|
| ATITE    | JDE            | 8401        | 01               |             |              |           | LONGITUDE 6140.73  |                  |                  |          | ELEVATION        |  |   | 484.19m<br>72.00m     |
| ATE      |                | ie          | 1 K              | <del></del> |              |           |  | T                | HON              |          | DEPTH            | <del></del>                                      |   | 72.0UM                |
| igle     | ::<br><u>:</u> | IE<br>U     | . )              | 0.00        | DIREC        | TION      | 160 8 0 00 STOPE   | 94               | . [7             | 3.63     |                  | <u> </u>   |   |                       |
| (182)    |                | Į.          | OGICAL<br>AGE    | J.          | SECTION      | SS        | DESCRIPTION  |                  | IT & DIAMETER    | 13/31    | CORE REC-        | A.Q.D  | MATER PRESSUI                                 | E TEST                |
| JUNE (R) | DEPTH          | ELEVATION   | GEOLOGICA<br>AGE | ROCK TYPE   | COLUMN       | 700K<br>C |  | PATE             | SIT &<br>ULAN    | GROUND   | (m)<br>0 50 1000 | (m)<br>50 100                                    | N Yatus<br>Lugson Ya<br>K Yatus Ci<br>O 10 20 | lue<br>s/sec<br>3040_ |
| 2        |                |             | <u>u</u>         |             | 臣            | Ilsa      |  |                  |                  | -        |                  | Tre I  |   | ŤŤ                    |
| 31       | 31.00          | 453.10      |                  |             | 迂            |           |  | 8/12<br>[31.00]  |                  |          |                  |  |   |                       |
|          | ** **          | 452.15      |                  |             | 臣            |           |  | 8/12<br>8/12     |                  | ]        |                  |  |   |                       |
| 32       | 32.10          | _ 828.43    |                  |             | 珵            |           | Noderately weathered rock.                                       |                  |                  |          | <b>展</b> 打印出     |  |   |                       |
| 33       |                |             |                  |             | 宝            | HITSA     | light gray, partly conglomeratic.                                |                  |                  | 1        | 传统计              |  |   |                       |
|          |                |             |                  |             | 亞            |           | Only small solutions are seen irreq-<br>ularly.                  |                  |                  |          |                  |  |   |                       |
| 34       |                |             |                  |             | 芫            |           |  | 11/12            |                  |          |                  |  |   |                       |
| 35       | 35.50          |             |                  |             | 空            | -         | Joints: 10-20deg., rarely with oxidation.                        | 11/12            | 1                |          |                  |  |   | 1                     |
| 36       | :              |             |                  | '           | 陆            | VIGA      | Fractured: 34.80-35.50a 6  |                  |                  |          |                  |  |   |                       |
| 70       | 35.60          | 41).53      |                  |             | 臣            | نسنا      | 36.40-35.60m.  | 1::.             |                  |          |                  |  |   |                       |
| 37       |                |             |                  |             | 宝            |           |  |                  |                  |          | THE PLAN         |  |   |                       |
| 38       |                | 44.4        |                  |             | 註            | IIsA      |  | 12/12<br>(39,00) |                  |          |                  |  |   |                       |
| 30       | 13-59          | 188         |                  | * 4         | 亞            |           |  | 1                |                  | 1        | HEE              |  | 1 1   |                       |
| 39       |                |             |                  |             | 五            | 165 CH    | Highly weathered rock,<br>light yellowish gray,                  |                  |                  |          |                  |  | 1 1 1   |                       |
| 4D       |                | 447-27      |                  |             | 完            | 75-c111   | partly congloweratic,<br>with many solutions.                    |                  |                  | ]        |                  |  |   | 1 1                   |
| ٦,       | 40.50          | _443.69     |                  |             | Ξ            | ·         |  | 13/12            |                  | 1        |                  |  |   |                       |
| 41       | 11.00          | _49.13      |                  |             | 亞            | 10-c11    | 38.50-41.50m & 42.40-42.80m<br>Linestone frageents and light     | [45.00)          |                  |          | THE THE          | <del>                                     </del> |   |                       |
| 42       | •              |             |                  |             | 肆            | #ò-cīv    | yellow sandy-clayey materials (filling materials in cavity?).    |                  | -                | }        |                  |  | }   |                       |
| ٦٠       |                |             |                  | + 2         | 异            |           | (131111g 2010 1010 111 COVICE) 7.                                | 14/12<br>143.00  | ĺ                |          |                  |  |   | } }                   |
| 43       | 43.00          | _ \$11.12   |                  |             | 렆            |           | Highly weathered rock.   | 163.60)          |                  |          | 1000             |  | 1 1   | 1 1                   |
|          |                |             | •                | 11          | 宝            | ]         | light yellowish gray,  |                  |                  | Ì        |                  |  |   | 1 1                   |
|          | : 1            |             | Madine formation | 뫒           | 臣            |           | with many solutions.   |                  |                  | ļ        | Esta Maria       |  |   |                       |
| 45       |                |             | fer              | Linastone   | 芸            |           | Composed of licestone fragments and<br>light yellow sandy-clayey | 1                | D.8101           |          |                  |  |   | }                     |
| 46       |                |             | 90108            | 3           | 栞            |           | raterials (filling materials                                     |                  |                  | 1        |                  |  |   | 1 1                   |
| 7        |                |             | 22               | ١.          | 王            | /5-c111   | in cavity?).   | 15/15            |                  | 1        |                  |  | 1 1 1.  |                       |
| 47       |                |             |                  |             | 苙            |           |  | (47.00)          |                  | 1        |                  |  | 1 1 1   |                       |
| 48       |                |             |                  |             | 臣            |           |  |                  |                  | ]        |                  |  |   | 1 1                   |
|          |                |             |                  |             | 臣            |           |  | 18/12<br>[43.59  |                  |          |                  |  |   |                       |
| 49       | 43.49          | 91.75       |                  |             | 岊            |           |  | 1                |                  |          | 件                |  |   |                       |
| 50       |                | ,           |                  |             | 字            | •         |  | .}               |                  |          |                  |  |   | } {                   |
| 1        | 50.30          | 430.85      |                  |             | 垚            |           | Moderately weathered rock,                                       | †                |                  |          | 在图像              |  |   |                       |
| 51       |                |             |                  |             | 至            |           | light gray, partly conglemeratic.                                | 1                | Ì.               |          |                  |  |   |                       |
| 52       |                |             |                  |             | 臣            | MoIII     | Cavity:  |                  |                  |          |                  |  |   |                       |
|          |                |             |                  |             | 군군           |           | 51.80-51.90m filled by gravels 6 sandy clay, hard.               | 15/12<br>(53.00) |                  |          |                  |  |   |                       |
| 53 -     | 53.60          | _A31_19     |                  |             | 둗左           | -         | 57.40-57.80a, 58.50-59.00a &                                     | DE.RVI           | ١.               | {        |                  |  |   |                       |
| 54       | .              |             | , !              |             | 亞            | Hes       | 60.80-61.90a:<br>1-5cm wide, irregularly seen.                   | 19/12            |                  | 1        |                  |  |   |                       |
| 1        | _51.50         | מפים        |                  |             | 异            |           |  | 19/12<br> 54.57  |                  | 1        |                  |  |   |                       |
| 55       |                |             |                  |             | 异            | 111       | Joints: 10-2002g., brown stained.                                |                  |                  | 1        | HIM              |  |   |                       |
| 56       |                |             |                  |             | 亞            | Malli     | Fractured: 57.90-58.352 &  |                  |                  |          |                  |  |   |                       |
| 1        | ļ              |             | ·                |             | 렆            |           | 61.10-61.404   |                  |                  |          | A TION           |  |   |                       |
| 57       |                | 127.60      |                  |             | 臣            | -         |  |                  |                  | }        |                  |  |   |                       |
| 58       |                |             |                  |             | 亞            | 1PIA      | e ·  | 29/12            | }                | }        |                  |  | 1 1 1   | 1 1                   |
| 1        | _51.51         | _#3.E       | ٠. ا             |             | 异            |           |  | 29/12<br>50:50   |                  |          |                  |  | 1 1 1   | 1                     |
| 59       |                |             | :                |             | <del>-</del> | Miles     |  |                  | •                |          | MANA             | MUL  |   |                       |
| 60       |                |             |                  | ٠.          | 于            |           |  | 1                | <u> </u>         | <u> </u> | TWIE LIST T      |  | <u> </u>                                      |                       |

x3.0.0 is fack Coultry Designation. R.O.D-(fotal length of cylindric cares longer than 10 col/(latal drill length) x 100x XLUGERY VALUE is 1/shrfa under injection mater pressure of 10kg/co2 NDEPUL and ELEVATION and in exter MOTAMETER 15 in allifector

| <u> -</u>  |              |          | Power House    |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|------------|--------------|----------|----------------|------------------|----------------|-----------|--------|--------|--------------------------------|----------|-------------|--------------------------|------------------|-------------|---------------------------------|----------------|----------|-------------|---------------------------------|----------|--------------|-------------|-------------------|------|
| _          | ITE<br>ATITI |          | Ронег<br>0401. | _                | 920            |           |        |        | LONGITU                        | E 6140   | .73         | ·                        |                  |             | 4                               | ATION          | $\dashv$ | m-11        | od                              |          |              |             | 484               | 19a  |
| -          | ATE          | , U.     | J301.          | -                |                |           |        |        | Louisin                        |          |             |                          |                  |             | OEPT                            |                |          |             |                                 |          |              |             | 72.0              |      |
|            |              |          | ID:<br>UF      |                  | $\overline{Z}$ | 80,       | DIREC  | TTON   | 270°                           | 6. 20.   | SLOPE       | T                        | HORI             | 20N         |                                 |                |          |             |                                 |          |              | 1:          | -                 |      |
| A          | NGLE         |          | D096           | با               | ノ              | 0.00*     |        | نسي    | 1001                           | \$ 500   | ULUFE       | 92                       |                  | 0.00        |                                 |                | l        |             |                                 |          |              | <del></del> |                   |      |
|            | E            |          | ă              | 걸.               |                | ROCK TYPE | COLUMN | SS.    | DES                            | CRIPTION |             |                          | IT S<br>DIAMETER | <b>5</b> 49 | CORE                            | REC-           | '        | 1.O.O       | ,                               | H        | ATER P       | RESSURI     | TEST<br>Je<br>Sec |      |
| 1.         | SCALE (m)    | DEPTH    | ELEVATION      | GEOLOGICAL       | AGE            | ×         | SEC.   | 녹김     |                                |          |             | DATE                     | 1 SE             | GROUND      | IVO                             | AY %<br>(m)    | 1        | %<br>(re)   |                                 |          | Lug<br>X Val | ean Valu    | je<br>/sac        |      |
| L          | છે           | <u> </u> | <u> </u>       | 넁                | 4              | 2         | 8      | 훈      |                                | ·        | <del></del> | ä                        | 118<br>10        | 8 =         | 0                               | 50 10<br>FLLLI | 00       | 50'<br>LUJJ | 100                             | î        | 10           | 20          | 30 4              | 0 50 |
| E          |              |          |                |                  | - [            |           | 玉      | A0111  |                                |          | ÷           | -                        |                  |             | M                               |                | 榧        | 礟           |                                 | .        |              | 1           |                   |      |
|            | 61           | _61.50   | 422.50         |                  |                |           | 共      |        |                                |          |             | 31/12                    |                  |             | 攤                               |                | M        | 16313       |                                 | 1.7      |              |             |                   |      |
| F          | 62           |          |                |                  | 1              |           | 亞      |        | Hoderately we<br>light gray, p |          |             | (65 00)<br>51\15         |                  |             |                                 |                |          |             |                                 | İ        |              |             |                   |      |
| The second | 63           |          | ] · · ˈ        |                  |                |           | 퍞      |        | Cores are ale                  |          |             | 63710                    | Ï                |             | N.                              | W.             |          |             |                                 |          | )            |             |                   |      |
|            | 0.3          |          |                |                  |                |           | 翌      |        |                                |          |             | 22/12<br>(83.50)         |                  |             | 継                               | 10.15          | 16       | ě           | $\mathbb{H}$                    |          |              |             |                   |      |
| H          | 54           |          |                | ·                |                |           | 렆      | уз-ру  | Cylindrical c<br>67.30-67.9    | 35.      | pn 400      | 23/12<br>[64.50]         |                  | 1           | 뾞                               |                |          |             | Ш                               |          | 1            |             |                   |      |
|            | 65           |          |                | a                |                |           | 异      |        | 58,50-68.6<br>70.00-70.6       | Da €     |             |                          |                  |             | H                               |                |          | [ [         |                                 |          |              |             |                   |      |
| 1          |              | :        |                | reat             |                | tone      | 莊      |        | 70.80-71.8                     | )n ,     |             |                          | D D/A            | '           | 雌                               |                |          |             | Ш                               |          |              |             |                   |      |
| E          | 56           |          |                | Natire formation |                | Limestone | 岩      |        |                                |          |             | 25/12<br>16 <u>5,501</u> | 0.B101           |             | 欁                               |                |          |             | $\parallel \parallel \parallel$ |          |              | ] .         |                   |      |
| -          | 67           | 67.10    | 412.09         | Nagi             |                |           | 玉      |        | 15.00                          |          |             |                          |                  |             | 臘                               | 綳              |          |             | $\  \ $                         |          |              |             |                   |      |
| E          | 68           | E8.00    | 418.15         |                  |                |           | 苹      | 43-91Y |                                |          | •           | 26/12<br>(68,50)         |                  |             | 錋                               |                | 攤        |             |                                 |          |              |             |                   |      |
|            | 30           |          |                |                  |                |           | 茳      |        |                                |          |             |                          |                  |             |                                 |                | H        |             |                                 |          |              |             |                   |      |
| F          | 69           | -        |                |                  |                | * .       | 苹      | Aa-bY  |                                |          |             |                          |                  |             | M                               | 11             | 夓        |             |                                 |          |              |             |                   |      |
| L          | 70           | 70.00    | _414.J£        | .                |                |           | 丑      |        |                                |          |             | 27/12<br>(70.00)         |                  |             | 齫                               | 計憶             | Щ        | 0 🕏         | -                               |          |              |             |                   |      |
| E          |              |          |                |                  |                |           | 宰      |        |                                |          |             |                          |                  |             |                                 |                | 10       | 1, 3        |                                 |          |              | 1           |                   |      |
| 1          | 71           |          |                |                  |                |           | 玉      | Aa-bīv | <br>                           |          |             |                          |                  |             | 盟                               |                |          |             |                                 |          | -            |             |                   |      |
|            | 72           | 72.00    | 412,19         |                  | $\dashv$       | <u></u>   | 프      |        |                                |          |             | 28/12<br>[72.60]         | -                | ļ           | M                               | 448            | ***      | 忡           | 444                             | $\vdash$ |              | +-          |                   |      |
| E.         | 73           |          |                |                  |                |           |        |        |                                | •        | . • • .     |                          | :                |             |                                 |                |          |             |                                 |          |              | .   -       |                   |      |
| Ē          | , 3          |          |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 74           |          |                | 1                |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              | -           |                   |      |
| E          | 75           |          |                |                  |                |           |        |        |                                |          |             | 1                        |                  | {           |                                 |                |          |             |                                 |          |              | 1           |                   |      |
|            |              |          |                |                  | Ī              |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 76           |          | . ,            |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          | -            | -           |                   |      |
| L          | 77           |          |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| 1          |              |          | 1 4            |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 78           | ٠. ا     |                |                  |                | ·         |        |        |                                |          |             | 1                        |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| F          | 79           |          |                |                  |                | ·         |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| E          | 60           |          |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| L          | 30           |          |                | 4.7              |                | :         |        |        | ,                              |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| شسلتس      | 81           |          |                |                  |                | ٠.        |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 92           |          |                | :                |                | . 1       |        |        |                                |          |             | 1                        |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| 1          |              |          |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          | 1            |             |                   |      |
|            | 03           | ·        |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              | 1           |                   |      |
| -          | 84           |          |                |                  | ŀ              |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
| ۲          |              |          |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 65           |          |                |                  | 1              |           |        | ·      |                                | . •      |             |                          |                  |             | $\parallel \parallel \parallel$ |                |          |             |                                 |          | }            | 1.          | \ . · · ·         |      |
| F          | 06           | ·        |                |                  |                |           |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          |              | 1           |                   |      |
| -          | B?           | ٠.       |                |                  |                |           |        |        |                                |          |             | ·                        |                  |             |                                 |                |          |             |                                 |          |              |             |                   |      |
|            | 31           |          |                |                  | - ]            | Ì         |        |        |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          | : -          |             |                   |      |
| F          | 09           |          |                |                  |                |           | 1.3    |        |                                |          |             |                          | 1.               |             | $\parallel\parallel\parallel$   |                | $\ \ $   |             |                                 |          |              |             |                   |      |
| E          | 69           | .        |                |                  | -              | :         |        |        |                                |          |             |                          |                  | 1           |                                 |                |          |             |                                 |          |              |             |                   |      |
|            |              | 100      |                |                  | -              |           |        | 1.74   |                                |          |             |                          |                  |             |                                 |                |          |             |                                 |          | 1.           |             | 1                 |      |
| E.         | 90           | لـنــ    | لــــٰـــا     | Ļ.,              | Л.             |           | لنبا   | لــــا |                                |          |             |                          | I                |             | ш                               | шш             | Щ        |             | ш                               |          |              |             |                   | L    |

an.e.o to fock Sublity Designation. B.O.O-(Total length of cylindric allegent VALUE is 1/ain/o under injection mater pressure of 10kg/cc2 superpil and ELEVATION are in cater xolawaten is in alllicator. x8.8.8 to flock Quality Dasignation. B.O.D-(Total length of cylindric cores longer than 10 cm)/(fotal Grill length) x 100%

N.O.O is Rock Guality Costmation. N.O.O-flotal length of cylindric cores longer than 10 col/flotal drill length) x 100% student MALUE is 1/oin/o under injection water pressure of 10%g/co2

MOMPH and ELEVATION are in enter Columnia to in millicator

WI.O. to Index Diability Distinction. R.O.G. (fotal length of cylindric tores longer than 10 col/flotal drill length) x 100% with the last light of the length of the long than 10 col/flotal drill length x 100% with the last light light light length in the length of th

| ITE       |                  |  | Hoose             |           |               | HOLE NO. SK-108b |   |                |                   |               |                             |  |                                       |                                       |                  |    |
|-----------|------------------|--|-------------------|-----------|---------------|------------------|---|----------------|-------------------|---------------|-----------------------------|--|---------------------------------------|---------------------------------------|------------------|----|
| ATTIU     | DE               | 8401.  |                   | n 40      | . innn        |                  | LONGITUDE 6140.73   | · · · ·        | <u></u>           | <del></del> . | ELEVATION<br>DEPTH          |  | · · · · · · · · · · · · · · · · · · · |                                       | 484.19<br>201.20 |    |
| NGLE      |                  | 180<br>180<br>180<br>180<br>180<br>180<br>180<br>180<br>180<br>180 | . P               | 0.50°     | 1990<br>DIREC | TION             | 270° 190° 5 € 10° SLOPE   | 3              | юп:<br>o- [7      | 0 60.         | DLF III                     |  |                                       |                                       | 201.00           |    |
| SCALE (m) | ОЕРТН            | ELEVATION  | GEOLOGICAL<br>AGE | ROCK TYPE | COLUMN        | ROCK<br>CLASS    | OESCAIPTION   | DATE           | BIT 6<br>DIAMETER | HATER LEVEL   | CORE REC-<br>OVERY X<br>(m) | R.Q.D<br>X<br>(m)<br>50 100  | NATER PRE<br>N<br>Luger<br>X Yalui    | SSURE<br>Value<br>In Value<br>: cr/se | TEST             | Kı |
| - 61      |                  |  |                   |           | 开开            |                  |   |                |                   |               |                             |  |                                       |                                       |                  |    |
| 62        |                  |  |                   | .         | 王<br>王        |                  |   |                |                   | l<br>I .      |                             | n Gill   |                                       |                                       |                  |    |
| 54        | £3.40            | (20.15   |                   |           |               |                  | Cores are mostly fragments,<br>brown stained.                                 |                |                   |               |                             |  |                                       |                                       |                  |    |
| 65<br>66  |                  |  |                   |           |               |                  |   |                |                   |               | u-801                       | aus (S)  |                                       |                                       | :                |    |
| 67        |                  |  |                   |           |               | Ab-ciy           |   | B) (0)         |                   |               |                             | st 😫   |                                       |                                       |                  |    |
| 68        | .                |  |                   |           |               |                  |   |                |                   |               |                             | 31 \$6   |                                       |                                       |                  |    |
| 70        | 70.E0            | _411,59  | 1,                |           | 弄弄            |                  |   |                |                   |               |                             | () a (t)   |                                       |                                       |                  |    |
| 72        | <i>12_1</i> 0    | _411.75  |                   |           |               | Ab-cV            |   | 155 <u>903</u> |                   |               |                             | e<br>  |                                       |                                       |                  |    |
| 73        | 73.00<br>74.00   | _413,15<br>_410,15   | <b>E</b>          |           |               | ND-CV            | Fresh, dark grey, congloseratic.<br>Joints: 10-20deg.,<br>without exidation.  |                |                   |               | [1000]<br>[1000]            | 2 12 23 1 1 1 2 2 3 1 1 1 1 1 1 1 1 1 1                                |                                       |                                       |                  |    |
| 75        |                  |  | Nadire formation  | Linestana |               | IB-cltI          | 72.70-74.00m<br>Cores are only tragments.                                     |                | 08.501            |               |                             |  |                                       |                                       |                  |    |
| 78        | .75.00<br>.75.00 | _en.n  | Mad               |           | 出出            | VD-cIV           | 77,00m 6 77.3%x 10deg, joints.  | 7/2<br>177.5%  |                   | -             |                             |  |                                       |                                       |                  |    |
| 76        | 37.50            | 46 <u>5.67</u>   |                   |           | 田田            |                  | filled byl.Oca brown clay.  77.55ac 30deg, joint, filled by 3.0ca brown clay. |                |                   |               |                             |  |                                       |                                       |                  |    |
| 79        |                  |  | : -               |           |               |                  | 60.65-80.70m Solution, filled by calcife & clay.                              |                |                   |               | 1 (A)                       | 2 20   |                                       |                                       |                  |    |
| 81        |                  |  |                   |           |               | Ab-c¥            | 87.45-89,60m<br>Cores are costly fragments.                                   | 8/2            |                   |               |                             |  |                                       |                                       |                  |    |
| <b>83</b> |                  |  |                   | İ         | 語             |                  |   | 8/2<br>(82.50) |                   |               |                             | (\$3.50)<br>(\$1.50)   |                                       |                                       |                  |    |
| 04<br>05  | 89.65            | _371.5±  |                   |           | 五             |                  |   |                |                   |               |                             | 200  |                                       |                                       |                  |    |
| 85        |                  |  |                   |           | 辛至            | id-elv           |   |                |                   |               |                             |  |                                       |                                       |                  |    |
| 67<br>E8  | 03.45            | 325.74   |                   | .         |               |                  |   | 109 E91<br>3/5 |                   |               |                             | 33 m 33  <br>34   11   12   13   14   15   15   15   15   15   15   15 |                                       |                                       |                  |    |
| 90        | an               | nos in   |                   |           |               | Ab-cV (          |   |                |                   |               |                             | 10 (g)   |                                       |                                       | _                |    |

ANO.O Is bock Cuality Designation. N.O.O-flatal length of cylindric cares longer than 10 col/flatal drill length) x 100% miles by ALUE is 1/ain/a under injection water pressure of 10%s/co2

REFIN and ELEVATION are in ester

REFIN and ELEVATION are in ester

REFIN and ELEVATION are in ester

| SITE              | -       | Power House       |                  |   |        |                |  | Power House HOLE NO. SK-108b |                    |                       |                      |  |     |   |                |      |
|-------------------|---------|-------------------|------------------|---|--------|----------------|--|------------------------------|--------------------|-----------------------|----------------------|--|-----|---|----------------|------|
| LATIT             | UDE     | 8401              | 01               | . <u>.                                   </u> |        |                | LONGITUDE 6140.73  |                              |                    |                       | ELEVATION            |  |     |   | 484.1          |      |
| DATE              |         |                   |                  | ar 10   | 1990   |                |  | ,                            |                    | ·                     | DEPTH                | <b> </b>                               |     |   | 201.6          |      |
| ANGLE             |         | 15/<br>UF<br>0000 | ∴ F2             | c2<br>c2.0                                    | DINEC  | · · · · ·      | 200 \$ 5.00 SLOPE  |                              | . <u>D</u>         | 0.60                  |                      | <u> </u>                               |     | 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4           | Total Services |      |
| SCALE (n)         | DEPTH   | ELEVATION         | GEOLOGICA<br>AGE | ROCK TYPE                                     | COLUMN | POCK<br>CLASS  | DESCRIPTION  | DATE                         | BIT 6.<br>DIAMETER | SHOUND<br>WATER LEVEL | COME REC-<br>OVERY X | R 0.0<br>* (m) 50 100 0                | Lug | NESSURE<br>Value<br>con Value<br>se : ce/<br>20 3 | sec            | 0 50 |
| 8                 |         | 1.11              | <u>.</u>         | -   | 臣      |                | 90.30-91.90x Cores are alsost fragments.   |                              |                    |                       |                      |  |     | Ĭ   |                | ¥94  |
| - 9i              | 91.50   | 392.29            |                  |   | 是      | ₩-c¥           | Joint: 30-40deg, in general.<br>93.00-93.50s: Solution(2ca in eax.)<br>along 70-80deg, joints.   | 10/2<br>191,201              |                    |                       |                      |  |     |   |                |      |
| 92                | . [     |                   |                  |   | 峚      | AD-cIV         |  |                              |                    |                       |                      |  |     |   |                |      |
| 94                | 94.60   |                   |                  |   | 呈      |                |  |                              |                    |                       |                      |  |     |   | .              |      |
| 95                |         | 335.60            |                  |   | 茔      | Adlli<br>Adlli | 94.50a: 40deg. joint, with 10co reddish<br>brown clay & gravel.<br>94.70a: 50deg. joint, with 10co gray<br>clay & gravel.<br>95.30a: 10deg. joint, with 5ca reddish  |                              |                    |                       |                      |  |     |   |                |      |
| 96                | 35.59   | 73. EYE.          |                  |   |        |                | 53.308: 10088, joint, with sca rebuish<br>brown clay.<br>96.508: 20089, joint, with ico reddish<br>brown clay.<br>96.36-96.7552 Partly filled by calcite &   |                              |                    |                       |                      |  |     |   |                | ٠.٠  |
| 97                |         |                   |                  |   | 盂      | th-tHi         | 96.75-98.50m Solutions (sax.ica) elong irregular joints.   |                              |                    |                       |                      |  |     |   |                |      |
| 98                | 19.20   | 365 B1            |                  |   | 塞      |                | 99, 15-94,99M, cores are mostly<br>fragaents,<br>99,90-101,40M. Shall solutions along<br>frequity folits.<br>101,40-101,60% 40-70deg, joints, filled<br>by 0,50% reddish from clay.<br>101,60-102,80%. Shall solutions along<br>frequity joints. | 12/2<br>(30 30)              |                    |                       |                      |  |     |   |                |      |
| - 99              |         |                   |                  |   | 幸      |                | by 0.5ca reddish breat clay.<br>101.60-102.85% Szall solutions along<br>irregular joints.  |                              |                    |                       |                      |  |     |   |                |      |
| 100               |         |                   | :                |   | 苦      | Ab-cly         |  |                              |                    |                       |                      |  |     |   |                |      |
| 501<br>-          |         |                   |                  |   | 弄      | 11             |  |                              |                    |                       |                      |  |     |   |                |      |
| - 102             | (67.4)  | 301.40            |                  |   | 逹      |                |  | 13/2<br>(103.00)             |                    |                       |                      |  |     |   |                | :    |
| 103               | _103.69 | 291.19            | ş                |   | 崖      |                | Cores are existly fragments<br>Scall solutions are seen along<br>irregular joints.   |                              |                    |                       |                      |  |     |   |                |      |
| 105               |         |                   | īormation        | Linestone                                     | 逶      | AD-cŸ          |  |                              | 09.101             |                       |                      |  |     |   |                |      |
| 105               | _125.22 | 377,59            | Nagure           | Ling  | 茎      |                |  |                              |                    | ]                     |                      | 5 20                                   |     |   |                |      |
| -<br>- 107        |         |                   | ,                |   | 罢      |                | Szall solutions are seen along<br>irregular joints.  |                              |                    |                       |                      | 6.00                                   |     |   | ,              |      |
| -<br>- 108        |         |                   |                  | - A   | 逹      | Ab-civ         |  |                              |                    |                       |                      |  |     |   |                |      |
| 109               | .en     | 375.30            |                  |   | 臣      |                | 108.80-113.90x<br>Cores are mostly fragments.  | 12/5                         |                    |                       |                      |  |     |   |                |      |
| 110               |         |                   |                  |   | 岸      |                | Small solutions are seen along irregular joints.  113.90-116.00m   | 1109.751                     |                    |                       |                      |  |     |   |                |      |
| - 555             | <br>    |                   |                  |   | 昱      |                | Solutions (Max. 2cm) are seen.   |                              |                    |                       |                      |  |     |   |                |      |
| - 112<br>-        |         | ٠.                |                  |   | 菜      | VP-CA          | ii6.00-ii9.30:<br>Cores are tostly (regeonts.<br>Seall solutions are seen along<br>irregular joints.   |                              |                    |                       |                      |  |     |   |                |      |
| - 113             |         |                   |                  |   | 竖      |                |  |                              |                    |                       |                      | 3 9 3                                  |     |   |                |      |
| 114<br>114<br>115 |         |                   |                  |   | 摆      |                |  |                              |                    |                       |                      | 250                                    |     |   |                |      |
| 115<br>116        | _115.20 | _359.60           |                  |   | 丰      |                |  |                              |                    |                       |                      | ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;; |     |   |                |      |
| - 116<br>- 117    | _317.60 | _20L1:            |                  |   | 丟      | FP-CIA         |  | 16/5<br>16/5                 |                    |                       |                      | 111781                                 |     |   |                |      |
| 110               | 1 4     |                   |                  |   | 臣      | t.b-cV         |  |                              |                    |                       |                      |  |     |   |                |      |
| 113               | _119.C  | 35.1              | -                |   | 逹      | th cTV         |  |                              |                    |                       |                      | 9(6)                                   |     |   |                |      |
| 120               | 9,051   | <b>351.</b> 13    |                  |   | 莊      | 19-cIA         | Tareth of cylinder cross leading than (f) rel  | <u> </u>                     | <u> </u>           | L_                    |                      | 16.8                                   |     |   |                |      |

ELLO 15 Dock Coultry Conjunction, 0.0.0-(Total length of cylindric cores longer than 10 col/(Total drill length) x 1001 MILLERN VALUE is 1/doing under injection water produce of 10kg/co2 MEMPH and ELEVATION are in cotor 1001/METER to in cillicator

and the control of th

| SITE                |         | Power House |                   |             |        |               |   |                  | HOLE NO.      | SK-108o               |                             |  |                            |   |            |
|---------------------|---------|-------------|-------------------|-------------|--------|---------------|---|------------------|---------------|-----------------------|-----------------------------|--|----------------------------|---|------------|
| LATIT               | UDE     | 0401        |                   |             |        |               | LONGITUDE 6140.73   |                  |               |                       | ELEVATION                   | ļ  | 484. 19<br>201, 20         |   |            |
| DATE                |         | Jan 2       |                   |             | 1990   | )<br>—————    |   |                  | 310A          | 1104                  | DEPTH                       |  |                            | :   | 201.2011   |
| ANGLE               |         | 00%         | $\mid \rangle$    | 0.10<br>50, | DIREC  | TION          | 100 2 0.00 STODE  | 94               | 1             |                       |                             |  |                            |   |            |
| SCALE (m)           | DEPTH   | ELEVATION   | GEOLOGICAL<br>AGE | ROCK TYPE   | COLUMN | ROCK<br>CLASS |   | DATE             | BIT & TAMETED | SROUND<br>WATER LEVEL | CORE REC-<br>OVERY X<br>(m) | R.O.D<br>X<br>(m)<br>50 100 0  | WATER PE<br>Luga<br>K Valu | IESSURE<br>I Value<br>son Valu<br>ie : ce/i<br>20 3 | e<br>5ec _ |
| 151                 |         |             |                   |             |        |               | 150 30-151.10c Cores are Listly fragments. 151.70-153.00a Seall solutions in some parts. 153.00-154.40a 30-40deg. joints, with thin clayfeax.0.5cm partly. 154.40-154.90a Cores are rostly fragments. 154.90-159.15a 30-40deg. joints, partly with thin clayfeax.0.5cm thick! 158.15-150.5cs 50deg. joint, lilled by ten brown clay. 150.05-161.25a Cores are mostly fragments. | 23/2<br>(151-70) |               |                       |                             | 24   |                            |   |            |
| - 152<br>- 153      |         |             |                   |             | 至      |               | 154.40-154.90a: Cores are rostly<br>frageents,<br>154.90-158.15a: 30-40deg, joints, partly<br>with thin clay bax.0.5cm thick!<br>158.15-158.35a; Bödeg, joint, filled by  | 1237.76          |               |                       |                             |  |                            |   |            |
| - 154               |         |             |                   |             | 苦芸     | 19-c14        | 160.05-161.26a: Cores are mostly<br>fragments.  | (124 Ca)<br>SA/S | 1             |                       |                             | 19.58  |                            |   |            |
| - 155<br>- 156      |         |             |                   | :           | 芸芸     |               |   |                  |               |                       |                             | \$ (5.53)  |                            |   |            |
| - 157<br>- 158      | 157.35  | 325.01      |                   |             | 苦菜     |               |   |                  |               |                       |                             |  |                            |   |            |
| - 159               | 150 50  | _224.F0     |                   |             | 弄      | 16-cili       |   | 26/2<br>[153.50] | DB. 10        |                       |                             | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |                            |   |            |
| - 160<br>- 161      | 151.25  | 122,51      |                   |             | 五字     | 17-¢14        |   |                  |               |                       |                             | \$1.50<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00<br>\$1.00 |                            |   |            |
| - 162               |         |             |                   |             | 五井     | to-cill       |   |                  |               |                       |                             |  |                            |   |            |
| - 163<br>- 164      | 169.00  | 331.15      | ation             | 92          |        |               | 163,35-163,40ar 70deg, joint, with calcite, clay & gravel. 163,40-168,50ar %-50deg, joints, partly with this clay and calcite. 165,90-169,90ar Solution (3cm wide in max.) is seen along joints, 170,70-170,90ar Solutions along 80deg, joint, filled by calcite.   |                  |               |                       |                             |  |                            |   |            |
| - 165<br>- 155      | ı       |             | Nadiro formation  | Linestone   | 苦芸     | AaI I I       | 165.90-169.90a: Solution lice wide in<br>max.) is seen along joints.<br>170.70-170.90a: Solutions along<br>80deg, joint, filled by calcite.   |                  |               |                       |                             |  |                            |   |            |
| 167                 | 165.00  | 317.25      |                   |             |        |               | 170.90-180.00m<br>40-50deg. joints, partly with<br>thin colcites clay.  | 27/2<br>(165.93) |               |                       |                             |  |                            |   |            |
| - 188<br>- 169      |         |             |                   |             |        |               |   |                  |               |                       |                             |  |                            |   |            |
| - 170<br>- 171      |         |             |                   |             |        | llek          |   |                  |               |                       |                             | 1 (±99)  |                            |   |            |
| - 172               |         |             | ,                 | . :         | 差异     |               |   |                  |               |                       | A PARCAL                    |  |                            |   |            |
| - 173<br>- 174      | _172.55 | _NL2:       |                   |             | EEEE B |               |   |                  | 08.68         |                       |                             |  |                            |   |            |
| - 175               |         |             |                   |             | 至至     |               |   |                  |               |                       |                             |  |                            |   |            |
| - 175<br>-<br>- 177 |         |             |                   |             | 艺艺     | IIIeA         |   | ,                |               |                       |                             |  |                            |   |            |
| - 370<br>- 179      |         |             |                   |             |        |               |   | 20/2<br>1170.591 |               |                       |                             |  |                            |   |            |
| 100                 | 160.00  | 374 15      |                   | 4           | 亞      |               |   | <u> </u>         |               | <u> </u>              |                             |  |                            |   |            |

FIG. 0. 19 Bock coality occipation. N.O.O-flotal length of cylindric cores longer than 10 col/flatal drill length) x 1001 ALGEORY VALUE is 1/oin/a water injection water pressure of long/co2
FORTH and ELEVALUE or in rater
FORTH and ELEVALUE or in cater

| SITE                |                 | L                   | Hous              | 6            |                   |               |  |   |          |                       | -            | ICLE NO.                        | SK-108b   |     |                       |                                     |      |              |
|---------------------|-----------------|---------------------|-------------------|--------------|-------------------|---------------|--|---|----------|-----------------------|--------------|---------------------------------|---|-----|-----------------------|-------------------------------------|------|--------------|
| LATIT               | UOE             | 0401.               |                   |              |                   |               | LONGITUDE 6140.73  |   | . · ·    |                       | -4-          | LEVATION                        |   |     |                       |                                     | 484. |              |
| DATE                |                 |                     | 3 - M             | ar. 10,      | 1990              |               |  | <del></del>                             |          | 170N                  | 10           | DEPTH                           | <del> </del>  | ·   | <u> </u>              | ···                                 | 201. | 50w          |
| ANGLE               |                 | 100<br>0000<br>0000 | . )               | 9 00.<br>E0. |                   | TION          | 200 5 0.00 SLOPE   |   | ». [     | 7 0.00                |              | : :                             | <u> </u>  |     |                       |                                     |      |              |
| SCALE (m)           | DEPTH           | ELEVATION           | Geological<br>Age | ROCK TYPE    | COLUMN<br>SECTION | POCK<br>CLASS | DESCRIPTION  | DATE                                    | BIT &    | GROUND<br>WATER LEVEL |              | CORE REC-<br>DVERY %            | F.Q.D<br>X<br>(m)   | HAT | N<br>Lugeo<br>K Value | SSUME<br>Value<br>In Value<br>I ce/ | IEST | g 50         |
|                     | D.              |                     |                   |              | 臣                 |               | in max.) along joints.   |   |          |                       | 2            |                                 |   |     |                       |                                     |      | <u>y ,ix</u> |
| - 182               |                 |                     |                   |              | 芸                 |               | 198.60-191.55a: Dark gray to black, fractured but hard. Joints: 20-40deg., partly filled by Icp black & dark green clay. |   |          |                       | 200          | , <b>in</b>                     |   |     |                       |                                     |      |              |
| — 183<br>-          |                 | :                   |                   |              | 茎                 |               | 191,55-192.05a<br>Reddish brown clay, partly hard.   |   |          |                       | 40.00        |                                 |   |     |                       |                                     |      |              |
| - 184<br>- 185      |                 |                     |                   |              | 空                 |               |  |   |          |                       | A CASICAL    |                                 |   |     |                       |                                     |      |              |
| - 186               |                 |                     |                   |              | 芸                 | Aalll         |  |   |          |                       |              |                                 |   |     |                       | ·                                   |      |              |
| - 187               |                 |                     | בומו              |              | 芸                 |               |  | 1/3<br>1:87.80                          |          |                       | PAN PR       |                                 |   |     |                       |                                     |      |              |
| - 168<br>- 169      |                 |                     | Nadire formation  | Linzstone    | 至                 |               |  |   | 08.86    |                       |              |                                 |   |     |                       |                                     |      |              |
| - 190               |                 |                     | 25                |              | 差                 |               |  |   |          |                       | 7            |                                 |   |     |                       |                                     |      |              |
| — 191<br>-          | 191-4           | 202.24              |                   |              | 芸                 |               |  | -                                       |          |                       | 1110000      |                                 |   |     |                       |                                     |      |              |
| - 192<br>-<br>- 193 |                 |                     |                   | . i          | 芸芸                | Aalv          |  | 2/3<br>(Q3) 49                          |          |                       | 1000         |                                 | E E   |     |                       |                                     |      |              |
| - 194<br>-          | _13).5          | Z:0.14              |                   |              | 芸芸                |               |  | (ছো.জ                                   |          |                       | 2000         |                                 |   |     |                       |                                     |      |              |
| - <b>19</b> 5       |                 |                     |                   |              |                   | IlleA         |  |   |          |                       | 4            |                                 |   |     |                       |                                     |      | : 1          |
| 195<br>-<br>197     | 155,75          | 209.14<br>207.74    |                   |              | 至                 | VIEN          | Dark green, greenish gray to gray,<br>partly reddish brown, clayey   | 3/3<br>(195.75)                         | -        |                       | 12.17        | \$4: pa 93   \$2<br>2           | 0 = 74  |     |                       |                                     |      |              |
| - 198<br>-          |                 | ***                 | Chiallele mises   |              |                   | DaVI          | 198.80-200.30x Clay, grayish brown.  | (123°00)<br>3/3<br>(133°32)<br>(133°32) | 1        |                       | ASS. Sec. 18 | (19.65) (19.65) (19.65) (19.65) | (7) (5) 1<br>38 (5) 1   |     |                       |                                     |      |              |
| - 199<br>-<br>- 200 | 133.53          | 25.20               | P. Steel          | Schust       |                   | EaVI          |  |   | 08.76    |                       | 12.          |                                 |   |     |                       |                                     |      |              |
| - 201               | 200_E<br>201_20 | 283.60              | 7                 |              | 羅                 | Davi          |  | 8/3<br>[261.20]                         | \<br>\   |                       |              | <b>S</b> (,,, ),                | \$\frac{1}{2}\rightarrow\rightarro |     |                       |                                     |      | ļ            |
| - 202               |                 |                     | 1                 |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     |      |              |
| 203<br>204          |                 |                     |                   |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     |      |              |
| - 205               |                 |                     |                   |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     |      |              |
| - 206<br>-          |                 | 1,5                 |                   |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     | :    |              |
| - 207<br>- 208      |                 |                     |                   |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     |      |              |
| - 209               |                 |                     |                   |              |                   |               |  |   |          |                       |              |                                 |   |     |                       |                                     |      |              |
| 210                 |                 |                     |                   |              | لــــا            | لبا           | length of cylindric cores longer than 10 co  |   | <u> </u> | <u> </u>              | Ш            | [ <del>[</del> []]]]]]]]]]]     | ЩЩі   |     | <u> </u>              | L                                   | L    |              |

Eq. (i) is first evality Occipation. I.G.O-flotal length of cylindric cores longer than 10 col/flotal drill length) x 100% rivecol water in injuries and clevillation and color precours of 10kg/co2 rivecol relation and color recours of 10kg/co2 rivecol relation and clevillation 
kn.6.0 is Back Quality Designation. B.G.O-(Total length of cylindric cores longer than 10 cal/(Total drill length) x 100% sitteen VALUE is 1/oin/a under injection water pressure of 10kg/ce2

FORPHI and ELEVATION are in motor
FORWEIGH to in millimotor

NR.O.D to Nock Quality Designation. R.O.D-[fotol length of cylindric cores longer than 10 ca]/[fotal drill length] x 100% NREERS VALUE is lightn/m under injection mater pressure of 10kg/fm2
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NREERS VALUE is lightn/m under injection mater pressure of 10kg/fm2

| ATTIL     | ine:     | Lands<br>9165.     | lide              | Area             |        |          | LONGITUDE 5701.12                                |                    | -, -              |                       | HOLE NO.                    | SK-220            |   | 748.78m  |
|-----------|----------|--------------------|-------------------|------------------|--------|----------|--|--------------------|-------------------|-----------------------|-----------------------------|-------------------|---|----------|
| ATE .     | JUE.     | 9165.<br>Jun 3     |                   | p. 15            | 1989   |          | TOURTIONS (3/01.15                               |                    | · · · · · ·       |                       | DEPTH                       | -                 |   | 150.00m  |
| GLE       |          | (e)<br>La<br>(cole | : 1               | )- °             | DIREC  | TION     | 510. 80 ° STODE                                  | *                  | HORI              | OH 0                  |                             |                   | · ·   |          |
| SCALE (m) | DEPTH    |                    | SEOLOGICAL<br>ARF | Щ                | COLUMN | સ્<br>જે | DESCRIPTION                                      | DATE               | BIT S<br>DIAMETER | CHOUND<br>KATER LEVEL | CORE REC-                   | 0.0.0<br><b>X</b> | WATER PRESSURE N Value Lugeon Valu K Value: Cof | TEST     |
| 8         | <u>H</u> | a                  | 덍                 | 8                | 8      | 8        | Nostly rock tragments of chalky                  | ă                  | 8                 | Ē *                   | 6 50 1000<br>11111111111111 | (m)<br>50 100     | ) 10 20 3                                       | 10 40    |
| 61        |          |                    |                   |                  | 宝      |          | limestone.<br>Debris oi landalide.               |                    |                   |                       |                             |                   |   |          |
| 65        |          |                    |                   |                  | 屋      |          | White-light yellow.                              | 6-3d<br>52.53      |                   |                       | 6<br>6- 01                  | 8                 | .   |          |
| 63        |          |                    |                   |                  | 臣      |          | Joint: Stained brown,<br>with stickensides.      | 7-Jul<br>(63.00)   |                   |                       | 167 (60 187                 | 0                 |   |          |
| - }       | ٠.       |                    |                   |                  | 王      |          | 68.00-74.00m: Highly crashed,<br>fragments only. |                    |                   |                       |                             |                   |   |          |
| 54        |          | }                  | ]                 | }                | 宝      |          | 58.00m: 60deg. slickenside.                      | {                  |                   |                       |                             |                   |   |          |
| 65        |          |                    | 1                 |                  | 華      |          |  | 17:3:1             |                   |                       |                             |                   |   |          |
| 66        |          |                    |                   |                  | 屋      |          |  | 17-Jul<br>166.005  |                   |                       |                             |                   |   |          |
| 67        |          |                    |                   |                  | 盂      |          |  |                    |                   |                       |                             |                   |   |          |
| 68        | •        |                    | ١                 |                  | ع      |          |  |                    |                   |                       | \$2   16   1   E            |                   |   | .        |
|           |          |                    |                   |                  | 宝      |          |  | 19-303<br>(69.00)  |                   |                       | 0<br>  65 (6)   65          | 8                 |   |          |
| 69        |          | }                  | •                 |                  | 三      |          |  |                    |                   |                       |                             | 0                 |   |          |
| 70        |          |                    |                   |                  | 军      |          |  |                    |                   |                       |                             |                   |   |          |
| 71        |          |                    |                   |                  | 丰      |          |  |                    |                   |                       |                             |                   |   |          |
| 72        |          |                    |                   |                  | 三      |          |  | 15.00<br>50-70     |                   | l                     | 200                         | 6                 |   |          |
| 73        | 1        |                    |                   |                  | 至      |          |  |                    |                   |                       | 3.5                         |                   |   |          |
|           |          |                    |                   |                  | 至      |          |  | 21~Jul<br>[74,09]  |                   |                       |                             | 0                 |   |          |
| 74        |          |                    | Eatio             | astane           | 土      |          |  |                    |                   |                       |                             |                   |   |          |
| 75        |          |                    | Ernenek fordation | Chalky lamestone | 宝      | C 60-01  |  |                    | (15 . RGas.       |                       |                             |                   |   |          |
| 76        |          |                    | ยาแล              | 6                | 王      |          |  |                    |                   |                       |                             |                   |   | .        |
| 77        |          |                    |                   |                  | 是      |          |  |                    |                   |                       |                             |                   |   |          |
| 78        |          |                    |                   |                  | 弄      |          |  | 25-Jul<br>[78.09   |                   |                       | 43 0                        | 8                 |   |          |
| "]        | -        |                    |                   |                  | 墨      |          |  |                    |                   |                       |                             |                   |   |          |
| 79        |          |                    |                   |                  | 茎      |          |  | 25-3/1<br>[80 :00] |                   |                       |                             |                   |   |          |
| 80        | E2.00    | ESS.70             |                   |                  | 宝      | [ .      | Hostly rock fragments of chalky                  | [90 CO]            |                   |                       |                             |                   |   |          |
| 81        |          |                    |                   |                  | 室      |          | limestone.<br>Debris of landslide.               |                    |                   |                       |                             |                   |   |          |
| 85        |          |                    | ٠.                |                  | 墨      |          | Mnite-light yellow.                              | 51-70              |                   | ·                     |                             | 0                 |   |          |
|           |          |                    |                   |                  | 定      |          | Joint: Stained brown,<br>with slickensides.      | 27-301<br>[82:59]  |                   |                       |                             | <del>[\$0]</del>  |   |          |
| 83        |          |                    |                   |                  | 泽      |          | 80.00-84.40a: Highly crashed, with               |                    |                   |                       |                             |                   |   |          |
| 84        |          |                    |                   |                  | 学      |          | brown silt-clay.                                 | 28-24              |                   |                       |                             |                   |   |          |
| 65        |          |                    |                   |                  | 弄      |          |  | 26-35<br>(95.00)   |                   |                       | 4 5                         |                   |   |          |
| 88        |          |                    |                   |                  | 弄      |          |  |                    |                   |                       |                             |                   |   |          |
| B7        |          |                    |                   |                  | 丟      |          |  | 100 EB<br>100 EB   |                   |                       |                             |                   |   |          |
| - }       |          |                    |                   |                  | 是      |          |  |                    |                   |                       |                             |                   |   | <b> </b> |
| 88        |          |                    |                   |                  | 罡      |          |  |                    |                   |                       |                             |                   |   |          |
| 69        |          |                    |                   |                  | 是      |          |  |                    |                   |                       |                             |                   |   |          |
| 90        | 90.00    | 1559.70            | <u> </u>          | <u> </u>         | 12     |          | length of cylindric cores langer than 10 cm;     | <u></u>            | <u> </u>          | <u> </u>              |                             |                   |   |          |

FILO.O is mock duality designation. R.O.D-(Total length of cylindric cores langer than 10 cal/flotal drill length) x 100% PILURGY VILIG to 1/610/o under injection water pressure of 10kg/ca2

\*\*\*DEPHI and CLEVATION are in mater NUMBERN VALUE to 1/sin/o under injection water pressure of 10kg/cm2
NOEPH and ELEVATION are in meter
NOLUMETER to to allimeter

A1 - 30

| SITE  | Landslide        | Area        |           |   |  | HOLE NO.                                       | SK-550   | 7.40.2  | 10-  |
|---|------------------|-------------|-----------|---|--|--|--|---|------|
| LATITUDE  | 9165.13          | E           | *000      | LONGITUDE 5701.12   |  | ELEVATION<br>DEPTH                             | ļ  | 748.7<br>150.0  |      |
| DATE<br>ANGLE   | Jun.3 - S        | Sep. 15,    | DISECTION |   | eantzon<br>(7  | 0'   |  | 130.4   | 2013 |
| SCALE (m)<br>DEPTH  | 3 3              | ROCK TYPE 3 | 7         | S DESCRIPTION   | ЕТЕЯ   | EN CORE REC-                                   | FI.Q.D<br>X<br>(m)<br>50 100 0   | WATER PRESSURE IEST H Yatum Lugeon Value X Value: co/sec                                      | n 50 |
| 91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99<br>100<br>101<br>103 | 035) O350        |             |           | Mostly rock fragments of chalky limestone.  Gebris of landslide. Mhite-light yellow. Joint: Stained Drown. With slickensides.  98.60-102.00m; Highly crashed, with brown silt-clay. 107.00-114.60m; Hainly fragments. 114.80-115.00m; Light yellow sand.  Mostly rock fragments of chalky limestone. Debris of landslide. Mhite-light yellow.  Joint: Stained brown. With slickensides.  107.00-114.60m; Mainly fragments. 114.60-115.00m; Light yellow sandy clay. | 17-lug 193-501 195-501 |  |  | A 10 IN SEC. 10 30 4  | 0 50 |
| - 115 - 115 x<br>- 116<br>- 117<br>- 118<br>- 119                       | Gormel formation | War         |           | Fractured zone. Light grey in general. With many slickensides irregularly. Da   | 22-lug<br>[15-68]<br>115-<br>23-lug<br>1117-033  | 5 to 3 to 4 to 5 to 5 to 5 to 5 to 5 to 5 to 5 | 33.463<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37<br>33.37 | Upper Creatin : 116 100<br>Coper Creatin : 115 00<br>Lupper 1510: 0,000<br>3 1310: 1 0.000000 |      |

M.Q.D is fack, wallty Ossignation. H.Q.D-flotal length of cylindric cores langer than 10 cml/flatal crill length) x 100% MLUSECH VALUE is 1/ain/o under injection water pressure of 10kg/cm2
MERPHI and ELEVATION are in Enter
MOLARIEM to in millicoter

IN 0.0 to A Rock Quality Designation. N.O.O-light) length of cylindric cores longer than 10 col/light orill length) x 100% pluster MULE is 1/oln/o under injection valor pressure of 10xg/co2

\*\*DCPIII and ELEVATION are in enter

nafentilin ni et Kilikulila

| SITE       |                         | Landslide Area                 |  |           |  |                    |   |                         | HOLE NO. SK-221             |                   |                  |   |  |         |
|------------|-------------------------|--------------------------------|--|-----------|--|--------------------|---|-------------------------|-----------------------------|-------------------|------------------|---|--|---------|
| LATI       | TUDE                    | 8465                           | 465.5 LONGITUDE   6032.73              |           |  |                    |   |                         | EFEAVLION                   |                   |                  | 628.26m   |  |         |
| DATE       |                         |                                |  |           |  |                    | DEPTH   | ļ                       |                             | 78.00m            |                  |   |  |         |
| ANGL       | E                       | - 10                           | 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |           | - 0°<br>- 0°   |                    |   |                         |                             |                   |                  |   |  |         |
| SCALE (m)  | DEPTH                   |                                |  | COLUMN    | COLUMN SECTION COLUMN C |                    | DATE BIT 6 DIANETER GROWD WATER LEVEL   |                         | CORE REC-<br>OVERY X<br>(m) | DVERY X           |                  | MATER PRESSURE TEST<br>A Value<br>Lugeon Value<br>K Yalue: ca/sec |  |         |
| 25         | 1 3                     |                                |  | to m      |  | a.                 |   | 10                      | <u> </u>                    | 13                |                  |   | 0 10 20  | 30 10 5 |
| <u>.</u> , | 0.3                     | 67.1<br>67.1                   | Baturary<br>                           | 107 131   |  |                    | Highly weathered rock.  | 5-3m<br>[1.50]          | HC. 115                     |                   |                  |   |  |         |
| - a        |                         |                                |  |           | 臺  | e i                | 1.20-3.00m \$ 3.60-4.50m rores are<br>fraggents only.   |                         |                             |                   |                  |   |  |         |
|            | 3.8                     | 625.85                         |  |           | 芸  |                    |   | 8-tin<br>(3.00)         | WE.101                      | 15-3:n<br>13.191  |                  |   |  |         |
| ± 4        |                         |                                |  |           |  | c-d                |   | 7-un<br>(4.50)          |                             | }                 |                  |   |  |         |
| اسلسد      | 4.5                     | 1                              |  |           |  |                    | Moderately weathered rock   | 19.30                   |                             |                   |                  | ]<br>   |  |         |
|            |                         | 622.2                          |  |           |  |                    | Moderately weathered rock.<br>Cores are mostly fragments.   | 9-Jn<br>(5.00)          | WC.86                       |                   |                  |   |  |         |
| <u> </u>   |                         |                                |  |           | 芸  |                    | daints: 60-70deg., mostly open,<br>with greenish gray to brown clay.  | امد<br>(12-مد<br>(1.50) |                             | 29-Jun<br>(7,30)  |                  |   |  |         |
|            |                         |                                |  |           | 弄  | dre                |   | 17.30                   |                             |                   |                  |   |  |         |
|            | 9.3                     | 616.95                         |  | 1         | 逹  |                    |   | 14-Jun<br>(9.00)        |                             |                   |                  |   |  |         |
| 10         | 10.0                    | 519.20                         |  |           | 55   | e                  | Moderately weathered rock.  10.30-11.60 & 12.40-14.60a. Cores are frequents only, with  | 15-an<br>110-501        |                             |                   |                  |   |  |         |
| 11         | _39.4                   | \$17.8                         |  |           | 翌  | d-e                | green to Drownclay in joints.<br>13.30-13.40m   | 110.50                  |                             |                   |                  |   |  |         |
| E 12       | 4                       | 516.5¢                         |  |           |  |                    | Othe parts are relatively good.   | 15 co)                  |                             |                   |                  | 14 <b>6</b>   |  |         |
| 13         | 12.8                    | 815.86                         |  | :         | 臣  |                    |   |                         |                             |                   | 1000             |   |  |         |
|            |                         |                                |  |           | 逹  | d-e                |   | 19-Jun<br>(18.60)       |                             |                   |                  | g   |  |         |
| 15         | l                       | W.A                            | formation                              | 126       | 宝  | Ad-e3[[            | Slightly weathered rocks,<br>with 40deg. joint, brown stained.  |                         |                             |                   | 11 GE 01 F       |   |  |         |
| 16         |                         | - 517.5                        | Nadire for                             | Linestone | 芸  | Ad-eY              | Moderataly weathered rock. Cores are mostly fraggents.  | 20-Jun<br>[15.50].      |                             |                   |                  |   |  |         |
| - 17       | 15.5                    | 511.75<br>511.27               | SS.                                    |           | 室  | 1110-24<br>1110-24 | Cores are easily fragerate. Joints are filled by clay. 16.40-16.59x filed by clay. Moderately to slightly weathered speck         | [15.50].                |                             |                   |                  | <b>1</b> 59 ₹ 1 + 1   |  |         |
| 18         | 17.3                    | 610.91<br>610.21               |  |           | 茎  | AC-014             | Moderately to slightly weathered rock untill 30.90m. Cores are partly fragments. Joints are stained brown, with this clay partly. |                         |                             |                   |                  | (100)   |  |         |
| - 19       | _18.7                   | _679.51                        |  |           | 至  | te-dill            | Solusion are seen carriy.   | 21-Jus                  | 08,86                       |                   |                  |   | 1 1  |         |
| 20         | -20_M                   | _5:29.25                       |  |           | 罢  | AC-01Y             | Drawn clay.   | 22-4m                   |                             | 1-3/1<br>[20.00]  |                  | 13 201  |  |         |
| 21         |                         |                                |  |           | 弄  |                    | 20.00-20.40m Fragments, with green<br>clay [See in max.] in vertical joint<br>20.50-20.95m Hainly fragments, with<br>thin clay.   |                         |                             |                   |                  |   |  |         |
| 22         | _21,4                   | _606.65                        |  |           | 臣  | ļ                  | 21.50-22.30s; Light gray clay<br>(20cm thick) in 7032g, joint.<br>23.50-24.00sc brown clay in 303eg,<br>joint.                    |                         |                             |                   |                  |   |  |         |
| 23         | 22.05                   |                                |  |           | 臣  | 1z-011             | g varies t  |                         |                             |                   |                  | 94 61 H   |  |         |
| 24         | 23.22<br>71.70<br>23.50 | _ 625_01<br>_ 521_51<br>611_26 |  |           | 匿  | Aelv               | 24.20-24.70m Fragments, Green-brown clay 11-2cm, max.5cm) in 50-70deg.  | 23-Jun<br>124.001       |                             | 10.               | 11.88            | 2 2 2   |  |         |
| - 25       |                         |                                | . :                                    |           | 選  |                    | 25.10-25.55c Fragments, with clay (Sca<br>in max.) in vertical joint.   |                         |                             | 18-3:1<br>(24.50) |                  |   |  | .       |
| red at     | 25.90                   | F02.35                         |  |           | 茎  |                    | 25.90-27.10s Recdish troom clay fhard,<br>5cm in max.] in 30-40 6 70deg joint.  |                         |                             |                   |                  |   |  |         |
| 25         |                         |                                |  |           | 逹  | VIDA               | 25.90-27,10ac Reddish brown clay Dard.<br>5cm in max.1 in 30-40 f<br>70deg. jaints  | 24-3un<br>(27.10)       |                             |                   |                  | 3,2   |  |         |
| 27         |                         |                                | *. ·                                   |           | 景  |                    | 27.20-27.40a, 28.15-28.35a 6<br>29.00-29.60a: Fragments with brown<br>clay.   | K-19                    |                             | 29-301<br>[28-69] |                  |   |  |         |
| - 28       |                         |                                |  | .:        | 屋  |                    | 29.80-29.90a: greenish gray clay (10ca (nick)   |                         |                             |                   |                  |   |  |         |
| - 29       | 29.35<br>23.26          | 523.91<br>541.56               |  |           | 苤  | EelŸ               |   | 25-Jan                  |                             |                   |                  |   | Upper Dipth: 28 00<br>Lover Death: 30 00<br>Lugeon Value: 0 40<br>k Value: 0.00000 |         |
| 30         |                         |                                |  | <u> </u>  | أسلم الما  |                    | length of cylindric cores langer then 10 cm),   | (30.00)                 |                             |                   | AND DESIGNATIONS | 44 4VI [ ]  | 4x 1010+1 0.00000  |         |

ET.O.D to Rock Quality Designation, N.O.D-Notal length of cylindric cores longer then to col/(Notal dell) length x 1001 in USEON VALUE is 1/ain/a under injection water prosoure of 10kg/ce2

REPHI and ELEVATION are in eater IDINETER in allifester

| SITE      |                | Lands              | ands1)de Arca |                |       |          |                   |   |                               | HOLE NO.                                     | SX-221                |   |  |   |  |
|-----------|----------------|--------------------|---------------|----------------|-------|----------|-------------------|---|-------------------------------|--|-----------------------|---|--|---|--|
| LATIT     | UDE            | 8465.5 LO          |               |                |       |          | LONGITUDE 6032.73 | ONGITUDE 6032.73  |                               |  | ELEVATION             |   |  | 628.26m   |  |
| DATE      |                | Jun.5 Jul.27, 1989 |               |                |       |          | HT930             |   |                               | HT930  |                       |   | 78.00m                                 |   |  |
| ANGLE     |                | DIRECTION          |               |                | DIREC | TION     | 190 \$ 0.00 SLOPE | 9   | , <i>Г</i>                    | OH 0.00                                      |                       |   |  |   |  |
| SCALE (m) | ОЕРТН          | <b></b>            | GEOLOGICAL    | T <sub>B</sub> | 4     | COLUMN   | ROCK<br>CLASS     | DESCRIPTION   | DATE                          | AMETER                                       | GROUND<br>NATER LEVEL | CORE REC-<br>OVERY %<br>(m)                                 | R.Q.()<br>X<br>(m)                     | WATER PRESSUR<br>N Value<br>Lugeon Valu<br>K Value : ca                                 | E TEST<br>ue<br>/sec                             |
| S         | 병              | ᇤ                  | 居             | 1.5            |       | <u> </u> | 윤                 | Same as above in general.   | =                             | 118  | E *                   | 0 50 1000<br>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1              | 2011111                                | 0 10 20   | 30 <u>40 50</u>                                  |
|           |                |                    |               |                | ु ।   | 至        | VIDA              | 30,00-30,20a; 50deg, joint with thin  |                               |  |                       |   |  |   |  |
| F 31      | 31.15<br>31.50 |                    |               |                | - 5   | 끉        | EelV              | green clay.<br>30.60-30.80m: Fragments with tlay.   | 27-300                        |  |                       |   |  | libser Croth : 30 00<br>town Orbith : 32 00<br>Eugeon Yalve: 6 90<br>t Yalve : 0 000007 |  |
| <u> </u>  |                | !<br>! . ;         |               | 1              |       | 王        |                   | 31.15-31.45m: Brown clay in 30deg.<br>joint.  | [35'00)<br>53-7*u             |  |                       |   | 1441                                   | t Value 0 800000  | <del>                                     </del> |
| - 33      |                |                    |               |                |       | 크        | Ac-dly            |   | }.                            |  |                       |   |  |   |  |
| . 50      |                |                    |               |                | j     | 玉        | 10. 19            | 33.60-34.00m & 36.10-37.50m;<br>Mostly fraggents with thin brown-<br>green clay in joints.                            |                               |  |                       |   | 椭翻门                                    | Upper Oppin : 32 00<br>Lower Roth : 34 00<br>Logeon Value: 1 10<br>Et Value: 0 000000   |  |
| - 34      | 31.63          | 594.26             |               |                |       |          | A¢-d¥             |   |                               |  |                       |   |  | 1 0,000   |  |
| - 35      |                | .593,26            |               |                | ]     |          | 7C-0164           |   | 29-Jun<br>[35.00]             |  |                       |   |  |   |  |
|           |                |                    |               |                | . ]]  |          |                   |   | ].                            | <u> </u>                                     |                       |   | 11311111                               |   |  |
| 35        |                |                    |               | 1              |       | 丑        |                   |   |                               | ĺ  |                       |   |  |   |  |
| 37        |                |                    |               |                | j     | 异        | Ac-div            |   |                               |  |                       |   |  | Upper Depth : 36,000  |  |
| 38        | 37.50          | . 593.75           |               | 1              | (3    | 臣        |                   | Yertical joint with 1-3cm gray clay.<br>38.00-38.00m; Fragments.  | 29 Jun<br>(30.63)             |  | !                     |   | <b>\$</b>                              | those Oath : 36 00<br>Lower Oath : 36 00<br>Lower Value: 0 30<br>2 5334 : 0.00000       |  |
| - 30      |                | -                  |               |                |       | 异        |                   |   |                               |  |                       |   |  |   |  |
| - 39      | 39.50          | _569.36            |               |                | 3     | 뫂        |                   | Slightly weathered rocks up to 78.00s, doints are brown stained, partly with thin clay, and solution are seen rarely. |                               | İ  |                       |   |  | ispoer Depth : 39 DO<br>Fower Depth : 40 DB   |  |
| - 40      |                |                    |               | 1.             |       | 珵        | 1110-24           |   |                               |  | ٠.                    |   |  | tipper Orbith : 39 to<br>tipuer Orbith : 40 00<br>tipper Value: 0 10<br>t Value 0 00000 |  |
| -         |                |                    |               |                |       |          |                   | 40.60-40.50m Gray clay<br>41.20-41.30m Brown clay (1-208)   | 30~Jun<br>[6].00)             |  |                       | and a   |  |   |  |
| - 41      | A1.00          | 507.25             |               |                |       |          |                   | 41.20-41.30a: Brown clay (1-2cs) in 30deg, joint.   | 181.009                       |  |                       |   |  | tipper Ochih : 40 00<br>Lover Ochih : 42 03<br>Lugeon Value: 0 10<br>k 74lue   8.00000  |  |
| 42        |                |                    |               | 1              | 3     | 丑        |                   | 41.90-42.00m. Gray clay [2-3col<br>in 70deg. joint.   | Ì                             |  | (42.00)<br>(42.00)    | 20  |  | k Falue 0.60000   | <del>                                     </del> |
| 1         | - 1            |                    |               |                | ٦     |          |                   |   |                               |  |                       | (2 Est  |  |   |  |
| - 43<br>- | 43.30          | 584.96             | - '           | 1              | ]     | 臣        |                   | 43.30-43.40% Green-brown clay (trm) in 30 & 60deg. joints.  |                               |  |                       | 100000000000000000000000000000000000000                     |  | tioner Debth : 42 00<br>Enter Orbita : 44 05<br>Lugan Value: 0 40<br>k Value: 0.00000   |  |
| - 44      |                |                    | 101           |                | ]     |          |                   | in 30 & 60deg. joints.<br>44.00-44.30% Fragsents only.  | 1b1<br>[44_50]                |  |                       | ingo in   | 13 H                                   | t Value 0 00000   | <del>                                     </del> |
| F         |                |                    | forcation     | 8              | 1     | 44       | Ac-div            | 44.00-44.008. Haddens birty.  | İ                             | 08.86  |                       |   |  |   |  |
| - 43      | 45.40          | 582.85             | 35            | , moctons      |       |          |                   | 45.00-46.20m, 45.55-47.50m &  | .                             | 00.00  | 20-30)<br>(6.75)      | 25-368-418-42-<br>23-318-318-318-318-318-318-318-318-318-31 | 3                                      | Upper Debth : 44 00<br>Lover Debth : 46 00<br>Lovern Value: 0 20<br>k Value: 0 00000    |  |
| - 46      | ļ              |                    | Nadire        |                |       |          |                   | 45.00-46.20m, 45.55-47.50m & 47.70-47.80m; Clay(1-3cm) in vertical and 30deg, joints.                                 |                               |  |                       | RECO  |  | t false 0,0000b   | <del>  </del>                                    |
| - 47      | . 1            |                    |               |                | [3    |          |                   | 48.10-48.15ac Green clay in 50deg.  | 3-34)<br>(47-50)              |  |                       |   |  |   |  |
| - "       |                |                    | ٠. ٠          |                | į     |          |                   | 48.60-49.00m. Fragments only.   |                               |  |                       |   |  | typer Depth: Liner(Depth: Lugech Value: Lugech Value: Lugech Value: Lugech Value:       | 48.00<br>13.50                                   |
| - 48      | 0.60           | 500.25             |               |                | ]3    | 꿏        |                   | and the second of the second  |                               |  | 17-Jul<br>[48.50]     | 113000  |  | 13.00   | 1  |
| 49        |                |                    |               |                | 13    | 1        |                   |   |                               |  |                       |   |  |   | 48 no  |
|           | 49,50          | 570.E5             |               |                | 1     | 드님       |                   | 49.60-49.700: Fragments with thin clay  | 4-J)I<br>150 00]              |  |                       | i R   |  | Upper Ocean<br>Lore Death<br>Lupcon Value   | 56.66<br>13.80                                   |
| - 50<br>L |                |                    | 12 3          | ١.             | Ī     | 1,1      |                   |   | 120 AZI                       |  |                       |   |  |   |  |
| - 51      |                |                    | ١             |                | 1     | 珙        |                   | 53.00-53.70c Clayli-3col in vertical joint.  54.65c Opening filled by green clay (1-3col)                             |                               |  |                       |   |  | Upper Ospin : 50100   |  |
|           |                | 1.14               |               |                |       |          |                   |   | 5-3/1<br>(52.00)              |  |                       | 3 188   | ************************************** | Upper Oupth : 50 00<br>Lower Depth : 52 03<br>Luceon Value: 7 50<br>L Value : 0 000000  |  |
| - 52      |                |                    |               |                | 1     |          | AD-cTY            |   |                               |  |                       | nia X   |  |   |  |
| - 53      |                |                    | ٠.            |                | ]     | 17       |                   |   |                               |  |                       |   |  | Doser Depth : 52 00   | 1 1  |
| 54        | "              |                    |               |                |       | <b>T</b> |                   |   |                               |  |                       | 2018年   |  | Upper Depth : 52 00<br>Easter Cloth : 54 00<br>Lugeon Value: 2 10<br>k Value : 0.000000 |  |
| E 24      | 51.60          | 573.61             |               |                | ]     | 臣        |                   | <u></u>   |                               |  |                       |   |  |   |  |
| - 55      |                | 17                 |               |                | ļ     |          |                   | Slightly weathered rock.  Joints are brown stained, partly with thin clay, and solution are seen rarely.              | .                             |  |                       |   |  | Upper Depth : \$4.00<br>Claser Depth : \$0.00<br>Eugers Yalue : \$0.00000               |  |
| - 56      | .55.00         | _572.26            |               |                | j     | 异        |                   | 58.80-59.00% Green clay (i-2co) in 60deg, joint.  | 6-3 <sub>1</sub> 1<br>[55.00] |  |                       | 74 1 8  |  | Eugest Value: 2 40<br>k Value: 0 000000   | <del>                                     </del> |
| 1         |                |                    |               | ļ              |       | 듸        |                   | in budag, joint.  |                               |  | , · ·                 |   |  |   | }  |
| - 57      |                |                    |               |                | 1     |          |                   |   |                               |  |                       |   |  | Upper Debth : 55 00<br>Lover Debth : 50 00<br>Lovern Water 0 20<br>k Yahur 1 0 0000     |  |
| - 58      |                |                    |               |                | ]     |          | <i>t</i> a cili   |   | 7-31<br>[58.09]               |  |                       |   |  | r salve 6 telego  | <del>  </del>                                    |
|           |                |                    |               |                | . 1   |          |                   |   |                               | 1.   |                       |   |  |   |  |
| 59        |                |                    |               | 1.             | 1     |          |                   |   |                               |  |                       |   |  | Upper Ooth : 58 00<br>Lover Ooth : 60 00<br>Lopen Value: 0 20<br>k falue   0.00000      | 1.   |
| 60        | 60,00          | 56.25              |               | 1              | Ji    | 뜨        |                   |   | <u> </u>                      | <u>.                                    </u> |                       | 3. [6] (1] (1] (1]  | F1981                                  | k falue   0.000000  | 1_1_   |

MIN.C.O is thek dustily Designation. R.D.D-lifetel length of cylindric cares longer than 10 cal/liotal drill length x 1001

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WR.O.D to Pack Quality Designation. IN.O.D-Notal length of cylindric cores tanger than 10 col/Notal drill length! x 100% PLUEZON VALUE is 1/01n/a under injection water pressure of 10kg/ce2
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