



# GEO THERMAL DATA LOG

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|---|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| <p>Company: GEOTHERMAL ENERGY PARTNERS, LTD. / GEOTHERMEX</p> <p>Well name: AIDLIN No. 6 DEEPEN</p> <p>Field: GEYSERS</p> <p>County: SONOMA State: CALIFORNIA</p> <p>Location: 3630' N, 4685' W OF SE CORNER<br/>SEC 4, T4N 11N, R6S 9W</p> <p>Elevation: 1258' (1286' KB)</p> <p>Contractor/Rig: NCPA RIG # 1</p> <p>Spud Date: 01-24-89 TD Date: 08-18-92</p> <p>TD: 11,308' True Vertical Depth: 11,039'</p> <p>Bottom Hole Location: 882'S, 1475'W</p> <p>Well Status: PRODUCING</p> <p>Company Representative: DON GUINN</p> | <p>HOLE SIZE: 26" to 603' 30" at 65'</p> <p>17.5" to 4888' 20" at 598'</p> <p>12.25" to 8046' 13.38" at 4784'</p> <p>8.5" to 10682' 9.63" at 8040'</p> <p>8.25" to 11308' at</p> | <p>CASING: 30" at 65'</p> <p>20" at 598'</p> <p>13.38" at 4784'</p> <p>9.63" at 8040'</p> <p>at</p>   | <p>LITHOLOGY SYMBOLS</p> <table style="font-size: small;"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> |  |  |  |  |  |  |  |  |  |  |  |  |
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| <p>LOGGED INTERVAL</p> <p>Date Logged: 08-13-92 to 08-19-92</p> <p>Depth Logged: 10,682' to 11,308'</p> <p>Mud Drilling: to</p> <p>Air Drilling: 10,682' to 11,308'</p> <p>Temperature Instrument Type: T Type Thermocouple / RTD</p> <p>Log Scale: 1:600 Unit Number: 317</p> <p>Log Prepared by: LES CHAKE WAYNE MONSER</p>   |  | <p>STEAM ENTRIES</p> <p>10823' 5#, 0deg</p> <p>11066' 0#, 20deg</p>   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>LOST CIRCULATION ZONES</p>   |  | <p>LOG SYMBOLS</p> <table style="font-size: small;"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>  |   |  |  |  |  |  |  |  |  |  |  |  |  |
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| <p>REMARKS</p>  |  | <p>SECONDARY MINERALS</p> <p>P = Pyrite trace &lt; 1%</p> <p>E = Epidote trace &lt; 1%</p> <p>R = Rhyolite minor 1% up to 4%</p> <p>N = Nephrite common 4% up to 7%</p> <p>X = Actinolite 7% up to 10%</p> <p>T = Tourmaline &gt; 10%</p> |   |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>ABBREVIATIONS</p> <p>NB New Bit BHT Bottom Hole Temp</p> <p>RRB Re-run Bit C Carbide Test</p> <p>CB Core Bit NR No Returns</p> <p>WCB Weight On Bit LAT Logged after Trip</p> <p>SPM Strokes/Minute CFM Cubic Feet/Minute</p>  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |



## G E O T H E R M A L D A T A L O G

Geothermal Energy Partners/GeothermEx AIDLIN #6 Deepen  
Scale 1 : 600

| DRILLING DATA                                | LITHOLOGY | SEC MIN | TEMPERATURE     |       |              |     | PRESSURE       |       |             |     | GAS ANALYSIS |                  | DESCRIPTIONS, NOTES |      |      |      |      |  |
|--|-----------|---------|-----------------|-------|--------------|-----|----------------|-------|-------------|-----|--------------|------------------|---------------------|------|------|------|------|--|
|  |           |         | TEMPERATURE OUT |       | PRESSURE OUT |     | TEMPERATURE IN |       | PRESSURE IN |     | METHANE      | HYDROGEN SULFIDE |                     |      |      |      |      |  |
|  |           |         | deg F           | deg F | psi          | psi | deg F          | deg F | psi         | psi | ppm          | ppm              |                     |      |      |      |      |  |
| DEPTH (feet)                                 |           |         | 150             | 200   | 250          | 300 | 350            | 0     | 5           | 10  | 15           | 20               | 25                  | 30   | 100  | 1000 |      |  |
| RATE OF PENETRATION<br>ft/hr                 |           |         | 100             | 75    | 50           | 25  | 0              |       |             |     |              |                  |                     |      |      |      |      |  |
| DEPTH (feet)                                 |           |         | 450             | 500   | 550          | 600 | 650            | 700   | 750         | 800 | 850          | 900              | 950                 | 1000 | 1000 | 1000 | 1000 |  |
| RATE OF PENETRATION<br>ft/hr                 |           |         | 100             | 75    | 50           | 25  | 0              |       |             |     |              |                  |                     |      |      |      |      |  |
| DRILLING DATA                                |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
| WDB 21,000#<br>RPM 60<br>PSI 409<br>CFM 2400 |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
| WDB 21,000#<br>RPM 60<br>PSI 435<br>CFM 2400 |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
| WDB 21,000#<br>RPM 60<br>PSI 555<br>CFM 3600 |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
| WDB 21,000#<br>RPM 60<br>PSI 566<br>CFM 3600 |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
| DRILLING DATA                                |           |         |                 |       |              |     |                |       |             |     |              |                  |                     |      |      |      |      |  |
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