

# KALICUM DRILLING LTD.

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## A) COMPANY HISTORY

- commenced drilling operations on Vancouver Island in 1975
- over 2500 wells completed including Gulf Islands
- specializing in construction of domestic, municipal and commercial water wells
- design and installation of water pumping systems and related infrastructure
- design and installation of residential and commercial Geothermal Energy Systems since 1985

## B) ADVANTAGES OF AN EIGHT INCH WELL

- average increases in well production of 200% to 300%
- 200% increase in well storage
- reduces occurrences of salt-water and highly-mineralized waters
- water-treatment equipment costs are reduced
- submersible pump installation costs are reduced as well-depth decreases
- increases thermal performance of Geothermal Energy System

## C) WELL STIMULATION

- is used to increase water-well production rates
- utilizes water as a medium to intercept water-bearing fractures
- success-rate is dependant upon rock characteristics and water injection parameters

## D) GEOTHERMAL ENERGY SYSTEM

- are designed to provide 100% of heating and air conditioning loads
- does not require back-up heating systems
- is typically integrated with conventional water-well design
- will provide energy savings of 75%
- avoids the drilling of an injection well
- does not require a high-production well
- can also provide domestic hot-water loads