

Gamma Ray / CCL / Temperature (High Temp 500° F)

ADVANTAGES:

- Ran in conjunction with a Gamma Ray (GR) and a Casing Collar Locator (CCL) placed on top of the temperature tool (SEE DIAGRAM ON PAGE 2), used primarily for correlation purposes.
- Temperature probe provides an accurate measurement of downhole wellbore temperature.
- Compact design, making the tool versatile in many applications. (through casing, tubing, tight wellbore restrictions, etc.) (SEE TOOL SPECS ON PAGE 2)
- Complete tool string is rated for 500°F (260°C), making this tool highly utilized in operations, such as thermal applications, where wellbore temperatures are above the operating range of non-high temperature logging tools that have a maximum rating of 350°F (177°C).

APPLICATIONS:

- Correlating well-to-well details in an open and cased hole environment.
- Providing depth correlation, as the primary log, or correlating to other logs performed in the same wellbore.
- Identifying lithologies in the wellbore
- Record/monitor downhole temperature
- Used to identify channeling and fluid storage/movement during injection profiles

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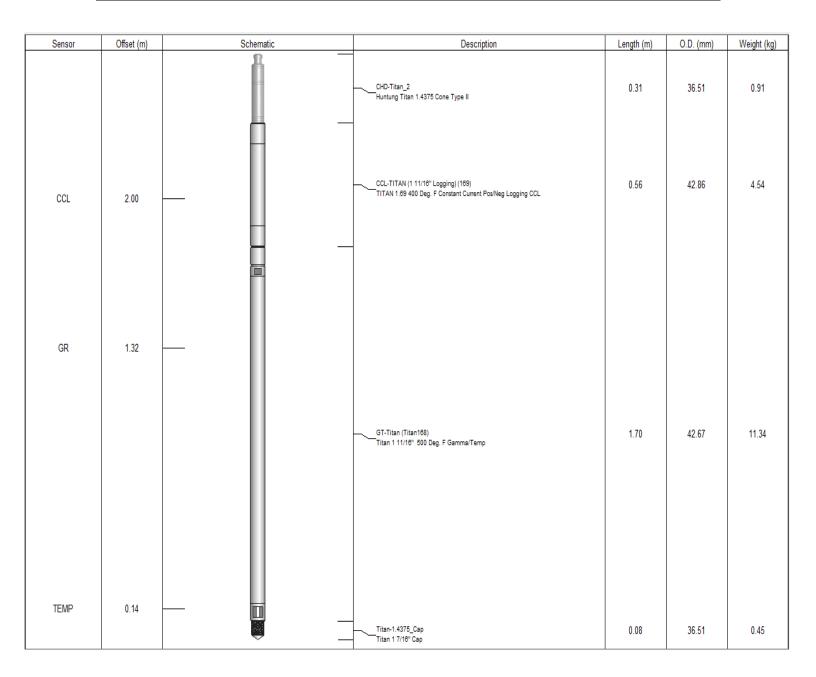
- Highly utilized in thermal applications
- Identify cement top, by recording a temperature change in "green cement" as it releases heat during the curing process.

SPECIFICATIONS:

Temperature Rating	500°F (260°C)
Pressure Rating	18,000 psi (124MPa)
Tool Weight	38 lbs. (17.24kg)
Tool Length	7'8" (2.34m)
Tool OD	1 11/16" (42.86mm)
Well Deviation	No Limitations
Borehole Environment	Fluid Filled
Logging Speed	Approx. 30-40 ft/min (9.1m/min)



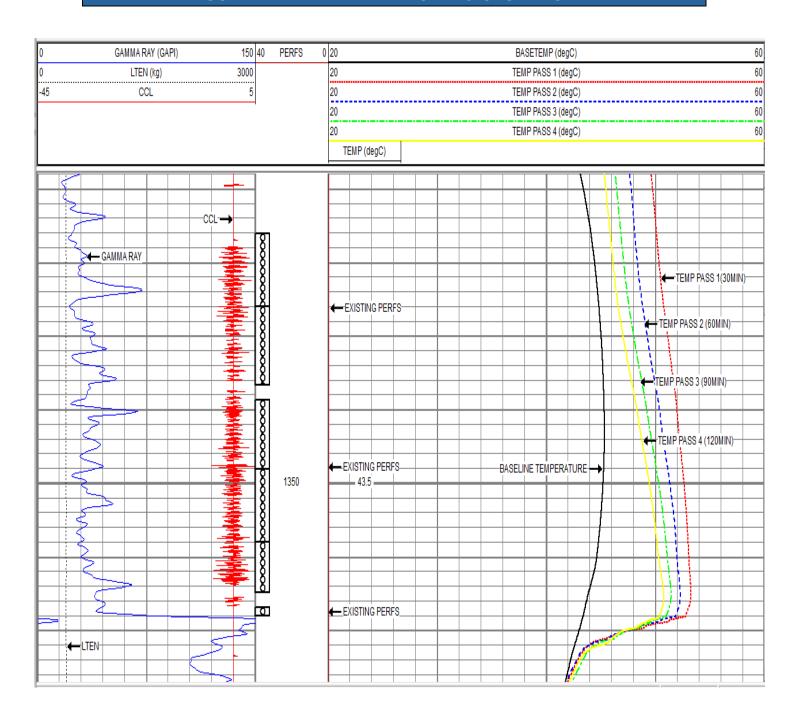
TOOL INFORMATION:



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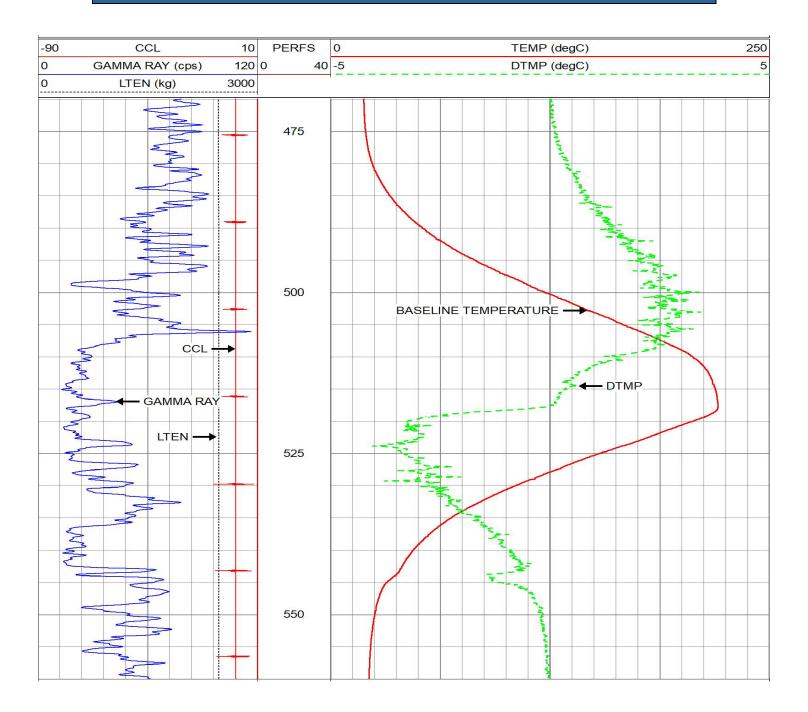
LOG EXAMPLE #1: TEMPERATURE INJECTION PROFILE



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LOG EXAMPLE #2: BASELINE TEMPERATURE LOG



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