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**Meeting
Paper**



Unconventional Re-Entry Plugging & Abandonment of Storage Facility Wells

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Unconventional Re-Entry Plugging & Abandonment of Storage Facility Wells

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This paper describes the technical methods employed in a sub-surface re-entry and unconventional plugging and abandonment of a previously abandoned storage well. The method employs a passive magnetic determination of casing proximity by evaluating the perturbations of the Earth's magnetic field from magnetization in the nearby well casing. Though the techniques used in this method were applied to a abandoned reservoir storage well, they are equally applicable to all types of wells; including, cavern storage, disposal, and producing wells. Specifically, this method can be utilized to confirm the proper plugging of an abandoned cavern well and the integrity of the cavern at the well entry point.

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