

عنوان مقاله:

Surveying the spatial variations of water temperature of gaseous wells in Hamedan area in order to obtain geothermal energy

محل انتشار:

اولین کنگره بین المللی زمین، فضا و انرژی پاک (سال: 1394)

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خلاصه مقاله:

Requiring more energy and limitations in using fossil fuels has caused human to goes onrenewable energies such as geothermal energy .In recent years, the water of some of theagricultural wells in some regions of north of the state of Hamedan-has become corrosive,salty and gaseous. So it is assumed that these gases are evidence of the existence of ageothermal resource in the subsurface layers of the regions. In this project we decided that asa first step in the exploration, spatial variations of water temperature of gaseous wells in theregions to be evaluated. For this purpose, gaseous wells were identified and their temperatureswere measured on a monthly basis over a period of three years. Then the data were analyzedusing ANOVA variance analysis and the results showed that there was a significant differencebetween water temperature of gaseous wells and also the water temperature of evidenceswells was lower .than the water temperature of gaseous wells

کلمات کلیدی:

Geothermal Energy, Spatial Variations of Temperature, Gaseous Wells, Geothermal, Hamedan

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