

## عنوان مقاله:

Low-frequency Passive seismic Experiments in South west of Iran

## محل انتشار:

دومین کنگره بین المللی زمین شناسی کاربردی (سال: 1394)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Nowadays, the researches in passive seismic methods indicate presence of low frequency (1-6 Hz) signals upon hydrocarbon reservoirs. Based on obtained desirable results, Analysis of this characteristic spectral anomaly has been used as a technique to provide information about the presence of hydrocarbon reservoir or Direct Hydrocarbon Indicator (DHI). Thus, DHI passive seismic method can be used as for pre-eliminatory survey and well placement for field appraisal and development. The method is passive in the sense that it does not require man-made seismic sources. The observations on low frequency band of microtremors are used to calculate the spectral ratio of vertical and horizontal components (V/H) and polarization. vertical and horizontal components (V/H) and polarization are .(calculated and a sharp spectrum anomaly is shown in frequency of 2-4Hz in top of the reservoir (station 5

## کلمات کلیدی:

passive seismic, low frequency, hydrocarbon reservoirs, DHI, VH, polarization

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/532266>

