

Experiment of Geophysical Exploration in Egypt

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Abstract : Exploration geophysics is an applied branch of geophysics, and it is very important to use such a method in Egypt and not just Egypt but in Africa and the Middle East. This research aims to work deeply on the importance of this method, and this paper focuses more on the benefits of the exploration of geophysics and how to apply it to scientific methods. It helps to discover earthquakes and assist in seismology. It also helps to map the surface structure of a region and also magnetic techniques, including aeromagnetic surveys to map magnetic anomalies. This is known that having a great experience in this field as it was very interesting reading a lot and searching about this matter and this technology, and all was found made this fantastic: as the method is existing and we do not use it. It costs a lot, but one believes that this method is very important; for example, in discovering earthquakes, check the surface of the ground easily; it makes us see the surface of the ground clearly so we can find the elements of the earth easily. In conclusion, geophysical exploration use is very important, and it must be highlighted and considered to be discussed in the Middle East, not just in the Middle East but also in Africa.

Keywords : geophysics, magnetic, gravitational, hydrocarbon exploration

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