



Cálculo Preliminar de la Tasa de Retorno Energético (EROI) del Petróleo Ecuatoriano [

2020

text (article)

Analítica

Ecuador in 1972 transformed its agricultural economy too dependent on oil export earnings. However, a decrease is expected, exacerbated by a higher extraction energy cost. The energy rate of return (EROI), implies that the lower its value, the lower the net energy in favor of society. The methodology based on the David Murphy protocol was used as a methodology. The objective of this investigation is to carry out a preliminary calculation of the EROI of Ecuadorian oil, at the country level and by blocks, obtaining preliminary EROI results for Blocks 7, 10, 15, 16, 21, 46, 47, 56, 57, 60, 61, 62 and 67, and from Ecuador. It is verified that the EROI decreases from a 43:1 to 27:1 ratio in twelve years, according to the API density and the percentage of BSW of the extracted crude oil that is higher. It is concluded that Ecuador, invests more and more resources, especially fuel for electricity generation, in twelve years increased by 65%.

Ecuador in 1972 transformed its agricultural economy too dependent on oil export earnings. However, a decrease is expected, exacerbated by a higher extraction energy cost. The energy rate of return (EROI), implies that the lower its value, the lower the net energy in favor of society. The methodology based on the David Murphy protocol was used as a methodology. The objective of this investigation is to carry out a preliminary calculation of the EROI of Ecuadorian oil, at the country level and by blocks, obtaining preliminary EROI results for Blocks 7, 10, 15, 16, 21, 46, 47, 56, 57, 60, 61, 62 and 67, and from Ecuador. It is verified that the EROI decreases from a 43:1 to 27:1 ratio in twelve years, according to the API density and the percentage of BSW of the extracted crude oil that is higher. It is concluded that Ecuador, invests more and more resources, especially fuel for electricity generation, in twelve years increased by 65%.

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzM4OTEwOTE>

Título: Cálculo Preliminar de la Tasa de Retorno Energético (EROI) del Petróleo Ecuatoriano [electronic resource]

Editorial: 2020

Tipo Audiovisual: BSW Densidad API Ecuador EROI Petróleo

Documento fuente: Aporte Santiaguino, ISSN 2616-9541, Vol. 13, Nº. 1, 2020 (Ejemplar dedicado a: Enero-Junio), pags. 59-76

Nota general: application/pdf

Restricciones de acceso: Open access content. Open access content star

Condiciones de uso y reproducción: LICENCIA DE USO: Los documentos a texto completo incluidos en Dialnet son de acceso libre y propiedad de sus autores y/o editores. Por tanto, cualquier acto de reproducción, distribución, comunicación pública y/o transformación total o parcial requiere el consentimiento expreso y escrito de aquéllos. Cualquier enlace al texto completo de estos documentos deberá hacerse a través de la URL oficial de éstos en Dialnet. Más información: <https://dialnet.unirioja.es/info/derechosOAI> | INTELLECTUAL PROPERTY RIGHTS STATEMENT: Full text documents hosted by Dialnet are protected by copyright and/or related rights. This digital object is accessible without charge, but its use is subject to the licensing conditions set by its authors or editors. Unless expressly stated otherwise in the licensing conditions, you are free to linking, browsing, printing and making a copy for your own personal purposes. All other acts of reproduction and communication to the public are subject to the licensing conditions expressed by editors and authors and require consent from them. Any link to this document should be made using its official URL in Dialnet. More info: <https://dialnet.unirioja.es/info/derechosOAI>

Lengua: Spanish

Enlace a fuente de información: Aporte Santiaguino, ISSN 2616-9541, Vol. 13, Nº. 1, 2020 (Ejemplar dedicado a: Enero-Junio), pags. 59-76

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es