Cuencas Valle Superior del Magdalena (VSM) Cordillera Oriental


Tipos de plays


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| $\square+$ +rem | 1ummem |  | (8) tornomat |
|  |  |  | $\bigcirc$ ¢00um |
|  | -manemas | , max | 目的 |




| MSUWev-vate supero del Moydites |  |
| :---: | :---: |
| Tipe de Cureca | - Fourlectinca poltiarsicas <br> Cuenca de arepah fognertede |
| Aroa do la cuence | - 21513in//215123 H2 |
| Aren deritas | - $29.4 \mathrm{~km} / 261688 \mathrm{Ho}$ |
|  | - 89+n60 |
| neverva degen dencibierm | - lacca |
| Peaso sepleataros | - 210 |
| Camper denctiones | $\infty$ |
|  |  |
| Tipode Cunea | - Caten inerdo/ cruren Hogeto |
| Areadole crence |  |
| Aree cleraste | $0.08 \mathrm{ker} /$ /20030 Ho |
| Campes sescabieros |  <br> - deom |
| nexor reptastioses | , > |
|  | - L.00nusio |
| Sinica 20 | - 1000 km |



Geologia del petróleo

## Evidencia de Hidrocarburos

 ricticen 13 malloses de bariles de petribloo por ano. Preventa ademis Roca Fuente Cos eventor ansikes mandiates en el Nibiso medoy Yrucriano ven

 Migración
4 Mgredín conienas inreditamente deppues del pime everto Conpesivo del Cretacce tardioy yominià haits al preverte. A blugo

 Honserate

## Roca Almacén



 eturn bs cudes sroducen actuimente en un campo de perditer, sen Roca Sello

 Mando son otros inportantes selos en is cuenca.
Trampa



 des a lo laggo de lo cuenca. Adichnolvertio eviste un potencibl no ev-

Prospectividad
Un importerce wluren de reservas renmentes de petrobioo pude ser

 anden apotar reeress ascionses en le cuenca.


Upper Magdalena Valley (UMV)
Eastern Cordillera Basins
$+5$

MINI RONDAS@(


Events Chart For Tetuan-Caballos area



## Petroleum geology

## Hydrocarbon Evidence

Curembly, the Upper Magdideras Easin k prodicing 18 millon bar-
 source
Source
 ar the memponitief for the depontion of stales and limetones with
 Hiont the predaminant Kerogen is spe It with no between o.S and ar 40 and trac. st.
Migration
graton sars soon ater be ins contractionsl eves of late cre acous age and continuous through hodey. Horisontal and vertikal mibation rocues tave boen documenteal.
Reservoir
 Cabalos and Monserrate formations and the Miocere Honda For: mation all produce from sandstone reseroik. High neserwit potentide exists in frastured carbonstes A sundy facies in the letuan For mation is a naw objective for explontion wich toctry produces in seoll fied
Seal
Iop and liseral seals are provide by a very thick sequence of plastic clastone of the fambuch Guaduale and Honda tormacons of the Cremaceous and Neogene age. Preseration is good for the Catolios fomaike sandstones
Trap
 ment dosures imbicase tans back thivaz and weench relted ant: tal exits in $x$ weal types of tratgraphictrapa
Prospectivity
Is belewed that important of resereves wnain trapped in strat: gaphik and shb-hruse piars the addren of new resenes will be inked to the develisonent of new add maybe unconvertional play conceps.

## Types of plays

Foult Bend Fold and Inbricated Foera


Subuncoatamity Trap


Subberemen Trep


