

Analisis AVO pada reservoir lapisan tipis (studi kasus: lapangan ABC pada cekungan Sumatera Selatan) = Avo analysis of thin layer reservoir (case study ABC field of South Sumatera basin) / Andre Seno Pujolaksono

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Abstrak

[ABSTRAK

Reservoir gas pada lapisan tipis merupakan sesuatu yang menarik untuk dianalisis karena reflektor yang mengalami destruktif apabila berada dibawah tuning thickness atau 1/4λ. Penelitian ini adalah penelitian dengan mencoba preconditioning kembali data PSTM gather yang nantinya akan menjadi input analisis AVO.

Peningkatan resolusi dan nilai signal to noise ratio menjadi tujuan dari penelitian ini.

Usaha prosesi yang dilakukan adalah proses F-K Filter, Trimming Statics dan Super Gather. Setelah melalui ketiga proses diatas, analisis AVO pun dilakukan dengan metode cross plotting. Hasil preconditioning pada penelitian ini menunjukkan bahwa ada anomali AVO yang merupakan jenis AVO klas IV. Hasil ini diperkuat dengan metode analisis Cross Plotting pada setiap atribut dari AVO itu sendiri.

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ABSTRACT

Gas reservoir on thin layer is something interested to analyze due to destructive reflector which is below 1/4λ; or tuning thickness condition. This research is trying to do re-preconditioning on PSTM gather which will be input of AVO analysis. Increased in resolution and signal to noise ratio become goal of this research. Processing efforts had been done, such as: F-K Filter, Trimming Statics and Super Gather. After all process above, AVO analysis was conducted by using Cross Plotting method. Result of re-preconditioning in this research tells class IV of AVO anomaly. The result is strengthen by analysis method of Cross Plotting which are came from AVO attributes of Cross Plot.;Gas reservoir on thin layer is something interested to analyze due to

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