Scientific Research



Search Keywords, Title, Author, ISBN, ISSN

ŀ	lome Journals Books Conferences News	About Us	s Jobs	
Home > Journal > Earth & Environmental Sciences > IJG			Open Special Issues	
Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges			Published Special Issues	
IJG> Vol.2 No.2, May 2011		Special Issues Guideline		
 OPEN GACCESS Hydrocarbon Volumetric Analysis Using Seismic and Borehole Data over Umoru Field, Niger Delta-Nigeria PDF (Size: 1295KB) PP. 179-183 DOI: 10.4236/ijg.2011.22019 Author(s) Aigbedion, H. O. Aigbedion ABSTRACT Wireline signatures were used to identify hydrocarbon bearing sands and evaluate Petrophysical parameters for hydrocarbon pore volume determination. Well to seismic tie revealed that these reservoirs tied direct hydrocarbon indicators – bright and dim spots – on the seismic sections. Three hydrocarbon reservoir were delineated. Estimation of the volume of hydrocarbon in place revealed that reservoir A contained 1675091.54 ± 102 feet of gas in place, while reservoir B contained 163661.83 barrels ± 80 barrels and reservoir C contained 1739170.41 ± 102 cubic feet of gas. 		IJG Subscription		
		Most popular papers in IJG		
		About IJG News		
		Frequently Asked Questions		
		Recommend to Peers		
		Recommend to Library		
		Contact Us		
KEYWORDS Hydrocarbon, Reservoir, Bright and Dim Spots, Well-to-Seismic		Downloads:	158,041	
Cite this paper I. Aigbedion and H. Aigbedion, "Hydrocarbon Volumetric Analysis Using Seismic and Borehole Data over Umoru Field, Niger Delta-Nigeria," <i>International Journal of Geosciences</i> , Vol. 2 No. 2, 2011, pp. 179-183. doi: 10.4236/ijg.2011.22019.		Visits:	376,944	
		Sponsors, Associates, and Links >>		
Refe [1]	rences I. Aigbedion, M. O. Ehigiator and R. Ehigiator, "Characterization of Reservoir Using Petrophysical and Core Data," Geophysical Journal Russia, Vol. 19, No., 2010, pp. 71-75.			
[2]	M. Edward, " Evaluation of Petrophysical Properties of Reservoir Rocks Using Well Log Analysis," Ph.D. Thesis, Jordan, 1988.			
[3]	Schlumberger, "Log Interpretation Principles and Application," Schlumberger Education Service, Houston, 1989, pp. 50-59.			
[4]	I. Aigbedion, "Petrophysical Analysis of Two Onshore Wells in the Niger-Delta Nigeria," Journal of Science and Technology, Vol. 4, 2004, pp. 56-59.			
[5]	S. J. Kulke, "Niger Delta Geology," J. Petroleum, Vol. 24, 1995, pp. 30-35.			
[6]	H. Doust and E. Omatsola, " Geology of Niger-Delta," America Association of Petroleum Geologist, 1990, pp. 239-247.			
[7]	A. R. Brown, "Interpretation of Seismic Data," Memoir 42 SEG Investigation in Geophysics, American Association of Petroleum Geologists, 2005, pp. 12-89.			
[8]	Schlumberger, "Basic Log Interpretation Seminar," Sch- lumberger Education Service, Houston, 1984, pp. 1-5.			

- [9] P. J. Merki, " Structural Geology of the Cenozoic Niger Delta," Journal of Geology, Vol. 4, 1970, pp. 34-36.
- [10] K. C.Short and A. J. Stauble, " Outline of the Geology of Niger Delta," AAPG Journal, Vol. 5, 1967, pp. 761-764

Home | About SCIRP | Sitemap | Contact Us

Copyright © 2006-2013 Scientific Research Publishing Inc. All rights reserved.