

Hydrocarbon exploration in the Turkish sector of the Black Sea Vedat AYDEMİR

TPAO GenelMudürlüğü, Sogutozu Mali. 2.Cad. No.86 06100, Qankaya, Ankara, Turkey, vaydemir@tpao.gov.tr

TPAO is the largest concession holder in the Black Sea. This large concession area covers almost half of one of the largest sedimentary basins in the world that is almost totally unexplored. Followers of the events over the last five years know that TPAO has invested a great deal in the pre-drill exploration stage in the licenses outside the territorial waters. With that investment in people and data, TPAO has gained an unmatched understanding of petroleum systems in the Black Sea. What we now have is a wealth of play types in the Black Sea from east to west. We, at the same time, realize that the richness is accompanied by large risks. The nearly exhaustive identifying and compiling part of the exploration stage has almost been completed by TPAO geoscientists. We are currently focusing our efforts on the identification and reduction of risks associated with the many play types.

TPAO's exploration efforts that started onshore and on the shelf is now ready to open the deep seagates. Pre-2000 works, the post-2004 acceleretad period, difficulties, discoveries, partnerships, and unique problems need to be cited within the scope of Black Sea Exploration. *Keywords: Black Sea, petroleum exploration*

Karadeniz'in Turk kesiminde hidrokarbon aramalan

TPAO Karadeniz'deki en genis toplam ruhsat alanma sahip sirkettir. Bu alanlar dilnyada yeteri kadar aranmamis en btiyitik basenlerden birinin yariya yakimni kapsar. Son bes yilin olaylarim takip edenlerin bilecegi gibi, TPAO karasulari dismdaki ruhsatlarda sondaj oncesi calismalar kapsaminda buyilk yatimlar yapmistir. Insan kaynagma ve veriye yapilan bilyilk yatirimlarla TPAO baska kuruluslarm 90k otesine gecerek Karadeniz'deki petrol sistemleri hakkmda bilyilk bir atilim gerceklestirmistir. Su anda Karadeniz'in en dogusundan batisma genis bir "play" envanteri tammlanmistir. Ancak bu zenginligin aym zamanda btlytlk rizikolar icerdigi de anlasilmistir. Arama calismalarnin tammlama ve envanter cikarma kısmi TPAO yerbilimcileri tarafmdan btlytlk olciide tamamlanmistir. Bu safhada cahsmalar rizikolarin tammlanmasi ve en aza indirgenmesi asamasmadir.

TPAO'nun karalarda ve sig denizde baslayan aramacihgmm artan hizla ilerlemesi artik Karadeniz'in cogunlugunu olusturan derin deniz kapilarimm acilmasi asamasına gelmistir. Karadeniz arama cahsmalan kapsami anlatilirken 2000 oncesi calismalar, 2004 sonrasi ivme kazanan donem, karsilasilan giicliikler, yapilan kesifler, ortakliklar ve Karadeniz'e ozgil problemlerden de bahsedilmelidir. *Anahtar Kelimeler: Karadeniz, petrol aramacihgi*