

One of the first wells ever completed in the Rio Vista Field was Margaret Hamilton No. 1, drilled by Amerada Petroleum Corporation, in the west central portion of the field. This well was drilled to a considerable depth below the Emigh gas zone, and encountered a deep gas sand. At that time, the company did not consider this gas sand to be of commercial value, and so far as we know, it was never tested. The well was finally completed in the upper Emigh Zone. Geological correlations between the Old Margaret Hamilton well and the new Standard-Texas well on the opposite side of the field indicate that the deep gas sands encountered in both wells represent the same zone which therefore is proven to extend completely across the field from east to west, a distance of approximately five miles.

It is not unreasonable to assume therefore, that this new deep gas zone will be approximately co-extensive in area with the upper Emigh gas zone.

As of January 1, 1942, the gas reserves at Rio Vista in the upper Emigh Zone alone are estimated to be just under three trillion cubic feet (3000 billion cubic feet). The newly discovered deep gas zone which will be known as the Hamilton Zone, will probably add from one third to one half additional gas reserves to the Rio Vista Field, indicating a total gas reserve of four trillion to four and one half trillion cubic feet. Moreover, considerable quantities of kerosene or distillate are contained in the gas of the deep Hamilton Zone, whereas the gas from the upper Emigh Zone is dry. Thus, the State of California will profit from the greatly increased gas reserves contained in the Hamilton Zone; also, the State may receive additional royalties from distillate and other liquid products which may be recovered from the wet gas of the Hamilton Zone.

15. (Parker Dam - Metropolitan Water District) The Executive Officer submitted a report relative to the Metropolitan Water District's formal application to purchase a portion of School Land in Section 36, T. 8 N., R. 23 E., S.B.M., pursuant to provisions of the statutes. As a result of a lengthy discussion with reference to this problem, a resolution was unanimously passed wherein the Executive Officer was instructed to avoid if possible any unnecessary sales of School Land to the Metropolitan Water District. It was brought out during the discussion in connection with this application that the Federal Government requires the Metropolitan Water District to convey title to the Federal Government of all such lands acquired by the Metropolitan Water District. The Executive Officer was further instructed to inquire as to the application of the statute if the land was to be subsequently conveyed to the Federal Government by the Metropolitan Water District.

16. (Revision of Prospecting Permit Rules and Regulations.) Upon motion duly made and unanimously carried, a resolution was passed authorizing the amendment of the rules and regulations to provide for the elimination of the requirement of a performance bond of \$1,000, as a pre-requisite to the obtaining of a mineral prospecting permit. It was pointed out during the discussion of this matter that the statutes do not require the filing of a bond in connection with the issuance of mineral prospecting permits and that it was also nearly impossible for an individual of ordinary means to provide such bond.