



DETERMINING RESERVES IN THE BULLS EYE PROSPECT

ASSESSING THE P90, P50, AND P10 RESERVE RANGE

www.knowledge-reservoir.com

Many large and costly decisions hinge on reserves determinations; inaccurate forecasting of oil and gas reserves can be extremely detrimental to companies large and small, so it's highly likely you're going to check those numbers and then check them again.

In a recently completed project, Knowledge Reservoir was able to check those numbers again for a major oil company. We reviewed data including well logs, petrophysics, maps, production tests, fluid sample information, and information on analog reservoirs, and then fused this data to determine the P90, P50, and P10 probabilistic reserve range in a Monte Carlo assessment.

A review was then made with the company's own geophysicist to help determine appropriate hydrocarbon in-place values, zonal correlation between wells, and rock property values. Production flow test data and well productivity and available fluid property sample information were analyzed for input into the probabilistic reserves analysis. API correlations, analog reservoir data, and past experience in the local reservoirs of this nature were utilized in determining appropriate input values for the reserve analysis. The over-pressured reservoir conditions were considered in developing the range of potential reserves recovery based on SPE definitions for P10, P50, and P90 reserves values.

With the guidance and experience of Knowledge Reservoir consultants, determining reserves at year end or for potential transactions doesn't have to be a stressful event. We can work with your organization to give you quality results and peace of mind.

Contact Us

Email: info@knowledge-reservoir.com

Phone: +1 713 586 5950

Fax: +1 713 586 5955