



Stratigraphic trap: Delineation of an oil-bearing reservoir

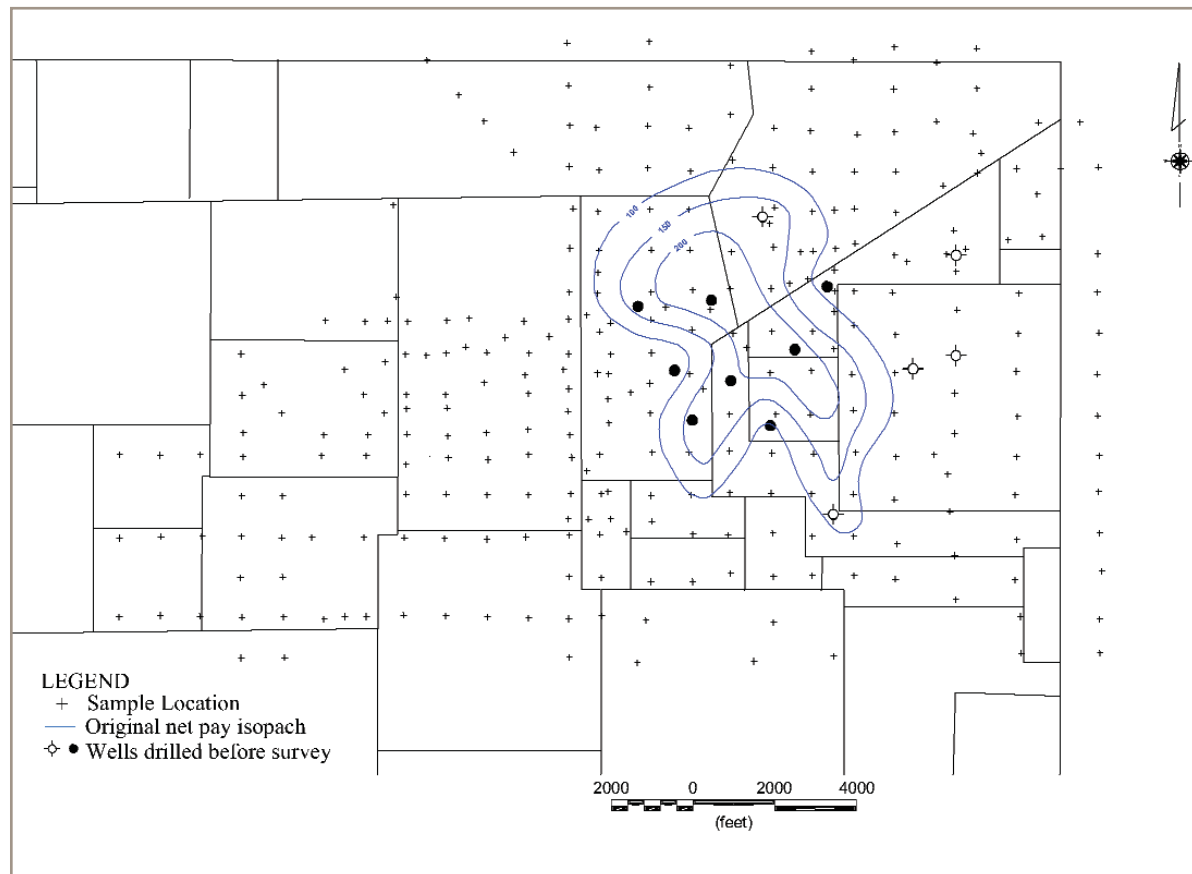
Red River County, Texas, USA



GORE™ Survey Area

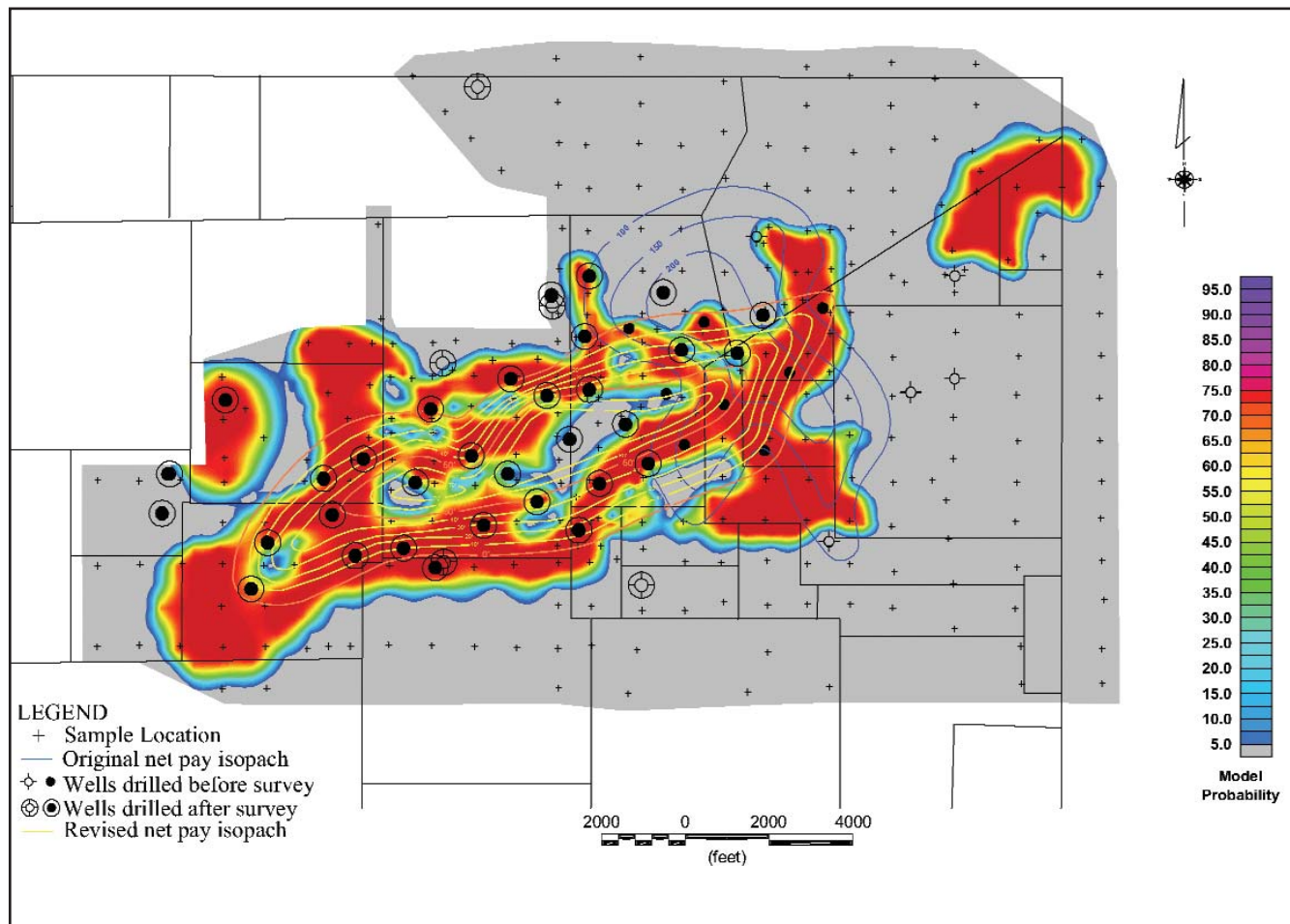
Geology:

- Braided Valley Fill
- Target: Upper Jurassic Louark age alluvial fan – 5800 feet
- Located unconformably on the Paleozoic and Triassic structural front of the buried Ouachita Range
- Oil is stratigraphically trapped



Map showing the GORE™ Survey grid and the client's original net pay isopach

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GORE™ Survey results showing high probability areas for finding oil, and clients revised net pay isopach (based on Gore data and new wells)

Survey Summary

- 550 grid samples in 3 phases
- 400 – 600 ft grid spacing
- 11 mi² coverage

Survey Results

- GORE™ Survey results correctly redefined field trend - Pre-survey geologic and seismic interpretation indicated the trend of deposition to be in a NW to SE direction. The GORE™ Survey indicated the trend was NE to SW, which was confirmed by drilling.
- Of the 26 wells drilled in areas identified by the GORE™ Survey as high-probability for oil: 25 are/were oil wells and one is a dry well
- Of the nine wells drilled in areas identified by the GORE™ Survey as low-probability for oil: three are dry wells and six are/were oil wells
- Overall 80% success rate!

