



RESTECH

Reservoir Evaluation Services

PDP UPSIDE ANALYSIS

Using detailed Hydrocarbon Pore Volume calculations and patented capillary pressure modeling, ResTech, Inc. provides an intelligent answer to “true recoverable reserves”.

We do this by integrating **ADCAP**[®] analysis with detailed log work for porosity and saturation determinations. Our experience provides a timely turnaround for this upside volumetric analysis. ResTech specializes in providing answers that are based on fundamental petrophysics, geology and reservoir engineering. This approach maximizes our clients energy investment in asset rationalization and onward to acquisition and divestiture applications.

The accompanying cases illustrate in map view the impact to “traditional” volumetrics of ResTech’s analysis. The table below lists the results: Case 2 shows over 50% increase to Net Pay Sand volumes, Case 3 results in over 100% increase compared to traditional Net Pay Sand volumetrics.

RECOVERABLE RESERVE SUMMARY

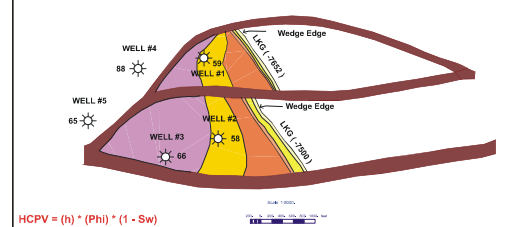
- Case 1 Net Pay Sand Volumetric Analysis (EUR = GIP * 60%) = 4238 MMCF
- Case 2 Hydrocarbon Pore Volume Analysis (EUR = GIP * 60%) = 6027 MMCF
- Case 3 Incorporation of **ADCAP**[®] With Hydrocarbon Pore Volume Analysis (EUR = GIP * 60%) = 9915 MMCF

Value added @ \$3/MCF

- Case 2 vs. Case 1 = 5.3 MM\$
- Case 3 vs. Case 2 = 11.6 MM\$
- Case 3 vs. Case 1 = 17.0 MM\$

Case 1

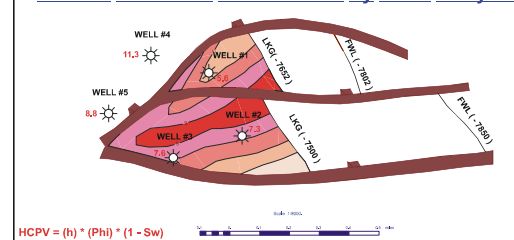
Standard Volumetric Determination By Net Pay Analysis



Productive Area (LKG) : 138.4 Acres
Total HCPV Acre – Feet : 675.7 Acre – Feet
Gas – In – Place: 7,064 MMCF
EUR (60% recovery): 4,238 MMCF

Case 2

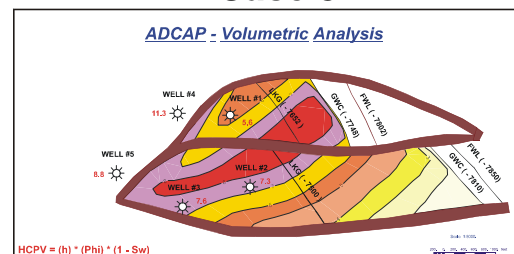
Detailed Volumetric Determination By HCPV Analysis



Productive Area (LKG) : 138.4 Acres
Total HCPV Acre – Feet : 960.8 Acre – Feet
Gas – In – Place: 10,045 MMCF
EUR (60% recovery): 6,027 MMCF

Case 3

ADCAP - Volumetric Analysis



Productive Area (GWC) : 264.6 Acres
Total HCPV Acre – Feet : 1,580.8 Acre – Feet
Gas – In – Place: 16,526 MMCF
EUR (60% recovery): 9,915 MMCF

For More Information About PDP Upside Analysis Contact
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