

Pool Delineation/Ultimate Reserves Application Checklist

Part 1: General Information

- Clear description of requested changes identifying which wells, if any, are requested to be added or removed from pool(s)
- If possible, include reason(s) for pooling/reserve request, e.g., support for future applications or development plans

Part 2: Geological Components

- Geological discussion of pool interpretation and containing, where appropriate, maps, cross-sections, diagrams, core descriptions, and other geologic evidence to support the interpretation
- Mapping to support pool interpretation:
 - Annotated isopach and/or net pay maps of all affected pool(s)/well(s), including both oil and gas if there is an associated pool (must include entire pool, not just applicant's holdings)
 - Where pool delineation or fluid interface locations are based on structural interpretation, a structure contour map of the pool and offsetting area
 - Additional mapping may be provided as applicable to support the geological interpretation, e.g., isopach, net pay, structure, geophysical, and/or depositional environment
- Annotated and correlated log cross-section across the pool (and outside as necessary to define edge) - may be stratigraphic or structural depending on what best supports the geological interpretation and must include:
 - Defined datum (stratigraphic or structural)
 - Stratigraphic interpretation of the zone(s) of interest
 - Interpretation of any fluid interface(s) present
 - Interpretive cut-offs and net pay
 - Log scales
 - Well completions
- Additional data to support interpretation as applicable that may include:
 - Seismic sections including models, synthetics, and isochron maps
 - Core and or cuttings analysis

Part 3: Supporting Pressure and Production Data

- Engineering analysis of pressure and/or production data to support the pooling interpretation, if applicable, that may include any or all of the following:
 - Pressure vs time plot
 - Production data
 - Material balance
 - Pressure transient analysis
 - Fluid analysis data
 - Interference testing data

Part 4: Notification

- If the applicant is not the sole licensee of all the affected wells and pools, the applicant must notify all licensees of nonabandoned wells that penetrate the pool before it submits the application (wherein the pool boundary is defined by the pool order).