

GEOLOGICAL TRAPS

The diagram illustrates various geological traps and extraction methods for different types of gas. It shows a cross-section of the earth with layers of rock and gas reservoirs.

- CONVENTIONAL GAS:** A vertical well is drilled into a traditional permeable reservoir, with gas migrating upwards over geological time.
- SHALE GAS:** A vertical well is drilled into a mature source rock where gas has not migrated, with a top seal indicated.
- COALBED METHANE:** A vertical well is drilled into a coalbed methane reservoir.
- TIGHT GAS:** A vertical well is drilled into a tight traditional reservoir.
- Horizontal Drain + Frac:** A horizontal well is drilled into a source rock, with a fracture (frac) created to enhance gas flow.
- Reservoir Rock:** The rock layer containing the gas reservoir.
- Source Rock:** The rock layer where the gas was originally formed.
- Gas migration over geological times:** Indicated by an upward arrow, showing the natural movement of gas from the source rock to the reservoir rock.



CIMAREX

Exhibit 6