River Formation. Gas (red) in the Uinta Basin is produced from the shallower Tertiary Uinta Formation (northern Uinta Basin play). Oil (green) in the Uinta Basin is almost entirely produced from the Green River Formation in Nine Mile Canyon (conventional northern Uinta Basin play and conventional southern Uinta Basin play), Uinta Green River and deeper Tertiary Wasatch Formation, and Cretaceous, Jurassic and Triassic reservoirs. 

**DEEP UINTA OVERPRESSURED CONTINUOUS PLAY**
- Net pay - 50 to +300 ft (15-90 m), gross interval 1,300 ft (+800 m)
- Original reservoir pressure - overpressured, gradient 0.5 to 0.8 psi/ft
- Depth - 8500 to 14,000 ft (2600-4300 m)
- Depositional environments - aluvial fan to fan delta, marginal lacustrine, and open lacustrine
- Lithology - interbedded sandstone, grainstone, marly muddy limestone to dolomitic mudstone, black organic-rich shale to gray-green silty shale
- Pore types - poor intergranular, dominantly fracture porosity
- Porosity - matrix averages 3 to 10%, enhanced by natural fracture systems
- Permeability - 1 to 10 md, significantly larger in fracture networks

**CONVENTIONAL SOUTHERN UINTA BASIN PLAY**
- Net pay - 25 to 50 ft (8-16 m)
- Original reservoir pressure - normal gradient (0.40 to 0.45 psi/ft), near the oil bubble point
- Depth - 4500 to 6500 ft (1400-2000 m)
- Depositional environments - fluvial deltaic, marginal lacustrine, open lacustrine, and cut and fill valley gravity-flow deposits
- Lithology - reservoirs are dominantly sandstone, some grainstone and dolomitic mudstone
- Pore types - intergranular with some fracture porosity
- Porosity - 10 to 15%
- Permeability - 1 to 50 md

**CONVENTIONAL NORTHERN UINTA BASIN PLAY**
- Net pay - 25 to 150 ft (8-48 m)
- Original reservoir pressure - normal
- Depth - 4500 to 6500 ft (1400-2000 m)
- Depositional environments - wave-dominated shoreface and marginal lacustrine, sediment gravity-flow deposits, and some braidplain facies
- Lithology - reservoirs are dominantly sandstone, some grainstone
- Pore types - intergranular with some fracture porosity
- Porosity - 10 to 20%
- Permeability - 50 to 500 md, average 25 md