LOWER 48 GEOSTEERED PAYZONES

- Powder River
  - Frontier Sandstone
  - Mowry Shale
  - Niobrara
- Parkman Sandstone
- Shannon Sandstone
- Sussex Sandstone
- Sussex Sandstone
- Teapot Sandstone
- Turner Sandstone

- Frontine Sandstone
- Mowry Shale
- Niobrara

- Big Horn
  - Frontier Sandstone
  - Mowry Shale
  - Niobrara
- Phosphoria

- Uinta
  - Black Shale
  - Castle Peak
  - Frontier Sandstone
  - Mancos Shale
  - Manning Canyon Shale
  - Uteland Butte
  - Wasatch

- Piceance
  - Frontier Sandstone
  - Niobrara
- Paradox
  - Hermosa

- San Juan
  - Fruitland Coal
  - Gallup Sandstone
  - Lewis Shale

- Santa Maria-Ventura-Los Angeles
  - Monterey Shale

- Permian
  - Abo Sandstone
  - Cline Shale
  - Leonard Shale
  - San Andres
  - Spraberry Sandstone
  - Wolfberry
  - Wolfcamp
  - Woodford
  - Yeso

- Delaware
  - Bone Spring Limestone
  - Woodford

- Ft. Worth
  - Barnett Shale

- Western Gulf
  - Austin Chalk
  - Eagle Ford Shale
  - Eaglebine

- Williston
  - Bakken
  - Bluell
  - Glenburn Limestone
  - Midale
  - Red River "B" Limestone
  - Three Forks
  - Wayne Limestone

- TX-LA-MS Salt
- Austin Chalk
- Cotton Valley
- Eaglebine
- Haynesville
- James Lime
- Tuscaloosa Marine Shale
- Woodbine Sands

- Appalachian
  - Burket Shale
  - Geneseo Shale
  - Marcellus Shale
  - Utica Shale

- Arkoma
  - Fayetteville Shale
  - Woodford

- Greater Green River
  - Frontier Sandstone
  - Niobrara

- San Joaquin
  - Kreyenhagen
  - Monterey Shale
  - Temblor Sandstone

- Santa Maria-Ventura-Los Angeles
  - Monterey Shale

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