

**Queen Reservoir  
Type Section  
Caprock Field  
Lea/Chaves Co., NM**



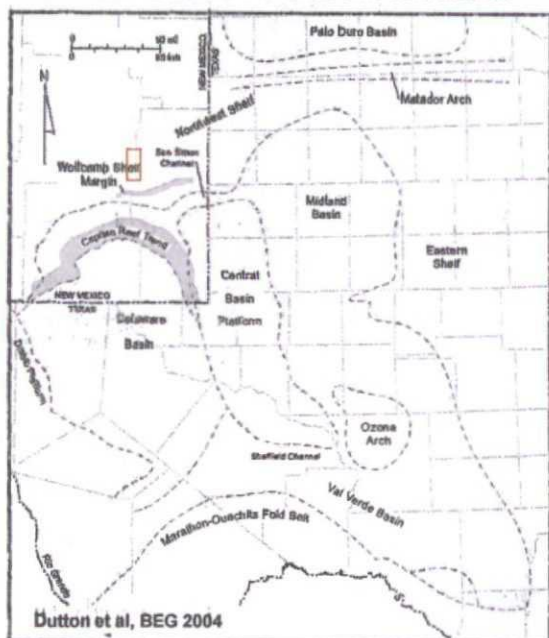
**Drickey Queen #144  
Chaves Co., NM**

3,200  
T13S R31E S35

Trigg Federal 4 #38  
TD 4808

Chaves Co., NM  
T14S R21E S4

Major subdivisions and boundaries of the Permian Basin in west Texas and New Mexico

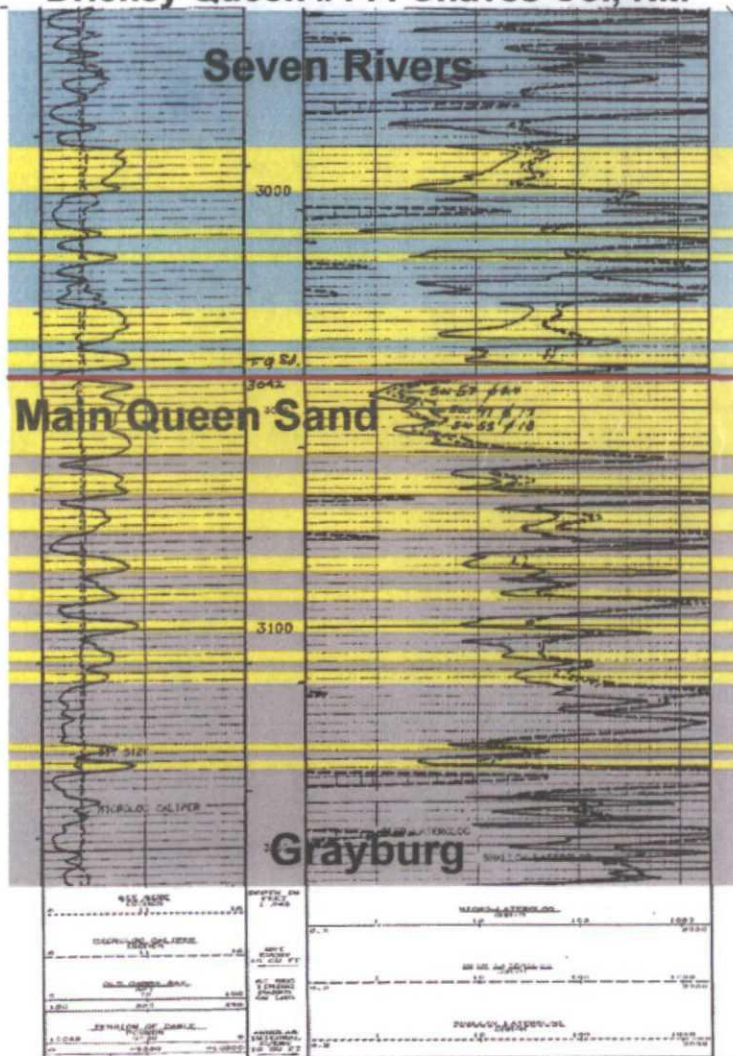


Stratigraphic nomenclature for the Permian section in the Permian Basin

| System  | Epoch/Stage | Time (m.y.) | Delaware Basin   | NW Shelf New Mexico | NW Shelf Texas   | Central Basin Platform |
|---------|-------------|-------------|------------------|---------------------|------------------|------------------------|
| Permian | Ochoan      | 251         | Dewey Lake       | Dewey Lake          | Dewey Lake       | Dewey Lake             |
|         |             |             | Rustler          | Rustler             | Rustler          | Rustler                |
|         |             |             | Salado           | Salado              | Salado           | Salado                 |
|         |             |             | Castle           | Castle              | Castle           | Castle                 |
| Permian | Guadalupian |             | Bel Canyon       | Tanell              | Tanell           | Tanell                 |
|         |             |             | Yates            | Yates               | Yates            | Yates                  |
|         |             |             | Seven Rivers     | Seven Rivers        | Seven Rivers     | Seven Rivers           |
|         |             |             | Ousen            | Ousen               | Ousen            | Ousen                  |
| Permian | Leonardian  |             | Grayburg         | Grayburg            | Grayburg         | Grayburg               |
|         |             |             | Upper San Andres | Upper San Andres    | Upper San Andres | Upper San Andres       |
|         |             |             | Lower San Andres | Lower San Andres    | Lower San Andres | Lower San Andres       |
|         |             |             | Cutoff           | Cutoff              | Cutoff           | Cutoff                 |
| Permian | Wolfcampian |             | Wolfcamp         | Wolfcamp            | Wolfcamp         | Wolfcamp               |
|         |             |             | Wolfcamp         | Wolfcamp            | Wolfcamp         | Wolfcamp               |
|         |             |             | Wolfcamp         | Wolfcamp            | Wolfcamp         | Wolfcamp               |
|         |             |             | Wolfcamp         | Wolfcamp            | Wolfcamp         | Wolfcamp               |

**Queen Interval Log Detail**

**Resistivity & Gamma Ray Logs  
Drickey Queen #144 Chaves Co., NM**



Rustler  
Salado  
  
Tansill  
Yates  
Seven Rivers  
  
Queen  
Grayburg  
  
San Andres