Field/Oil & Gas Characteristics

Lisbon Field
- 23 Producing (or shut-in) Wells
- 10 Abandoned Producers
- 5 Injection Wells
- 4 Dry Holes

Oil Characteristics
- API Gravity – 54-62.6° API
- Sulfur – 0.2%
- Color – Yellow to Red

Gas Characteristics
- H₂S – 1.2%
- CO₂ – 21% (max 2.2-35.6%)
- Helium – trace-1.1%
- BTU – 470

Reservoir Data
- Productive Area – 5,120 acres
- Net Pay – 208 ft
- Porosity – 1-21%, average 5.5%
- Permeability – 0.01-1100 mD, average 22 mD
- Water Saturation – 39%
- Bottom-hole Temperature – 53 to 73°C

Type of Drive
- Expanding Gas Cap and Gravity Drainage

Discovery Well
- Pure Oil Company, #1 NW Lisbon USA
- T.D. – 8440 ft
- Completed January 5, 1960
- IPF – 4376 MCFG, 179 BOPD
- Initial Pressure – 2713 psia
- GOR – 1417-3153:1

Reservoir Data
- Productive Area – 5,120 acres
- Net Pay – 208 ft
- Porosity – 1-21%, average 5.5%
- Permeability – 0.01-1100 mD, average 22 mD
- Water Saturation – 39%
- Bottom-hole Temperature – 53 to 73°C
- Type of Drive – Expanding Gas Cap and Gravity Drainage

Log Cross Section Across Lisbon Field

Principal Depositional Facies in Lisbon Field

High Energy, Open-Marine Shoal
- High Energy, Open-Marine Shoal
- Flank Facies

Moderate Energy, Restricted Marine
- Moderate Energy, Restricted Marine
- Peloidal/Skeletal Wackestone/Mudstone

Low Energy, Restricted Marine, Middle Shelf
- Low Energy, Restricted Marine, Middle Shelf
- Skeletal/"Soft" Peloidal Wackestone/Mudstone

Moderate Energy, Open-Marine Shoal
- Moderate Energy, Open-Marine Shoal
- Peloidal/Skeletal Packstone/Wackestone

Leadville Depositional Environments

- On this S-N cross section, the intervals of log porosity >8% are shown in light blue. This porosity is associated with dolomitization and dissolution of the massive Leadville Limestone.
- Note that the intervals of log porosity do not correlate from well to well. In addition, the porosity is not consistently related to unconformities or to zone boundaries.

- Note: Black areas contain pyrobitumen, not mud
- St = Stromatactis (?)
- Bry = Bryozoans
- RC = Rugose Coral