

Fruitland Coal Increased Density Pilot Project

Incremental Recovery Testimony

- Major portion of CBM gas recovery occurs at low reservoir pressure²
 - Increased density drilling reduces average reservoir abandonment pressure^{1,2}
 - Even small decreases in reservoir pressure liberate significant quantities of gas¹ (next graph)
- Even in a perfectly homogeneous zone, additional gas is recoverable¹
 - The Fruitland Coal is not homogeneous
- Incremental gas can be recovered from zones not intersected by existing wells, from zones not effectively in communication with existing wells, and from pockets within producing zones isolated by permeability restrictions¹
- Incremental reserves recovered through increased density prevent waste and also represent a valuable resource

1. New Mexico Oil Conservation Commission DeNovo Hearing June 3 and 4, 2003 Case #12888 Testimony: Balmer, Jeff Ph.D., Senior Staff Reservoir Engineer, Burlington Resources, pp. 221-279

2. New Mexico Oil Conservation Commission DeNovo Hearing June 3 and 4, 2003 Case #12888 Testimony: Kump, Gary, Engineer, Devon Energy, pp. 174-198

4/16/2009

NMOCCD Presentation

