

Proj #1986



**River Ridge Ranch
and La Veta Pines
Property Owners Information
Meeting**

July 21, 2007

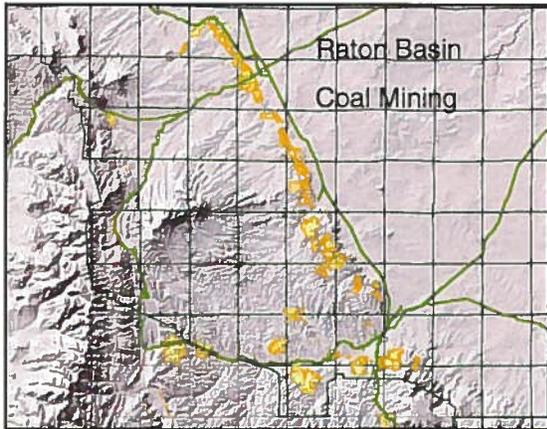
Colorado Oil and Gas Conservation Commission

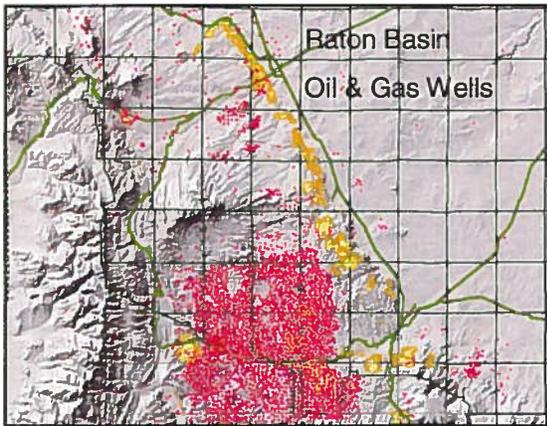
<http://oil-gas.state.co.us/>
303-894-2100

Dave Shelton
John Duran
Debbie Baldwin
Peter Gintautas

- Background
 - Coal Mining & Oil and Gas Activities
 - Geology
- Ground Seeps
 - Seep Surveys
- Coal Formation and Gas Generation
- Venting Wells
 - Well Surveys
- Plugged & Abandoned
 - Lively 10-02
 - Dick Realty 1

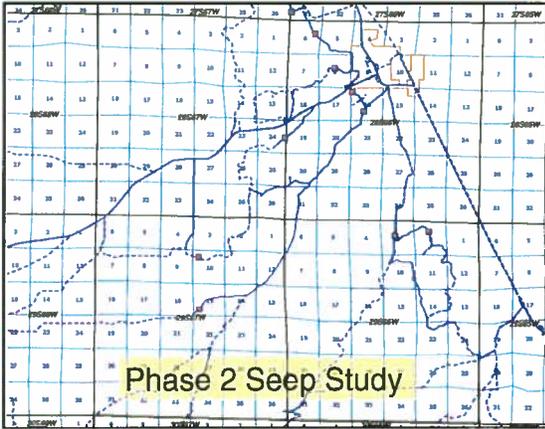
- Petroglyph wells shut in
 - Voluntary 30 day minimum period
 - Monitor pressures and fluid levels during shut down
 - Monitor gas flows and water levels in selected water wells
 - Continue water well screening on regular basis

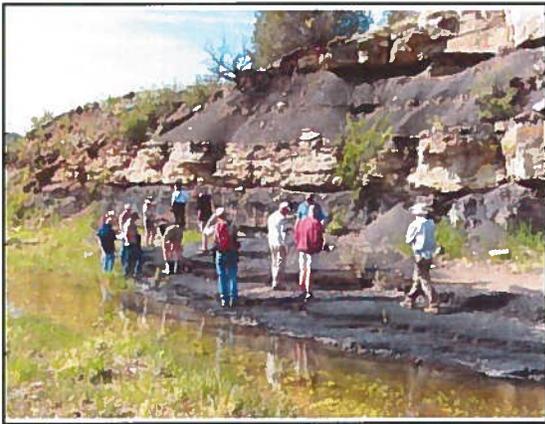


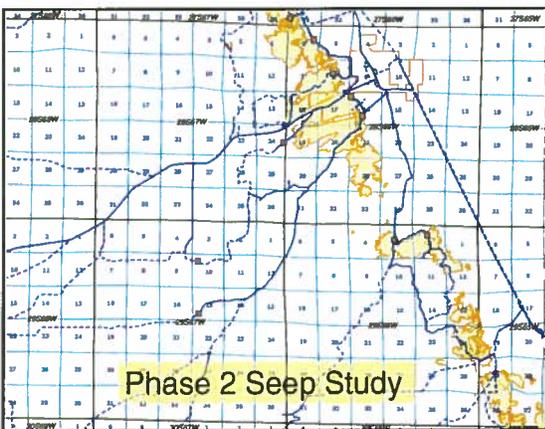


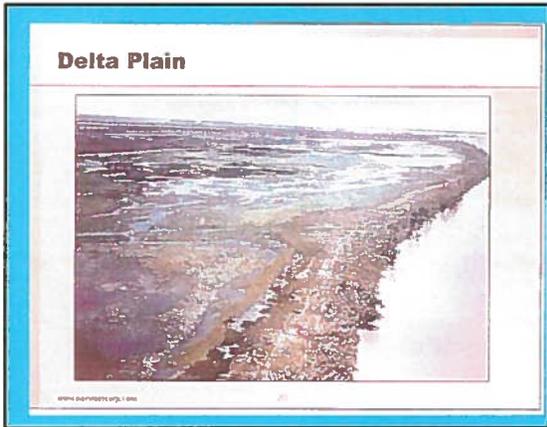
Raton Basin Geology

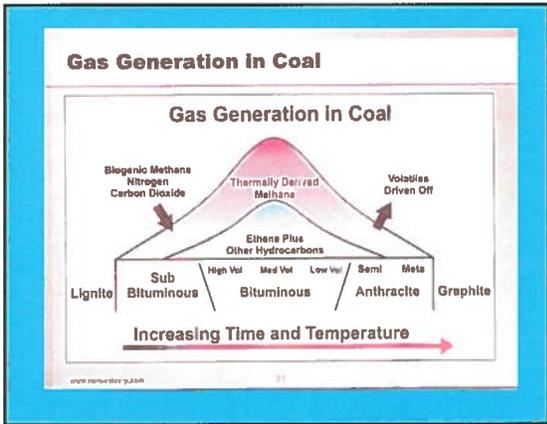
- Location
- Rocks and Structure
- Coal
 - Formation
 - Gas Generation

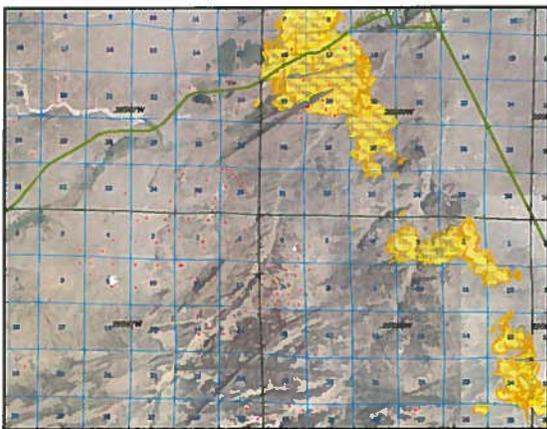


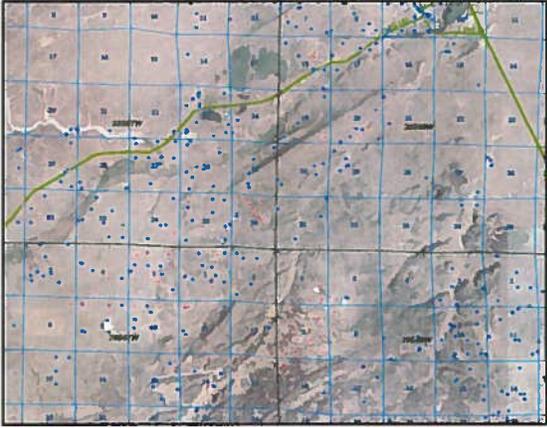




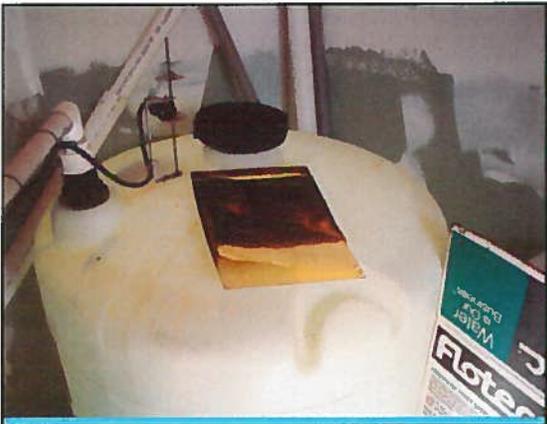


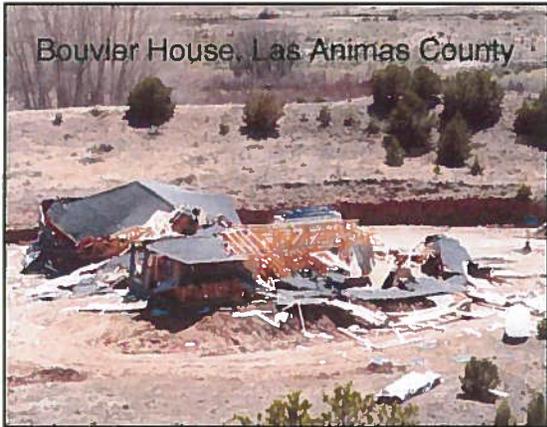






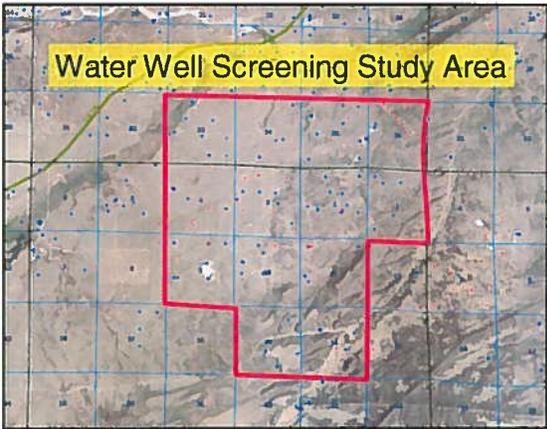


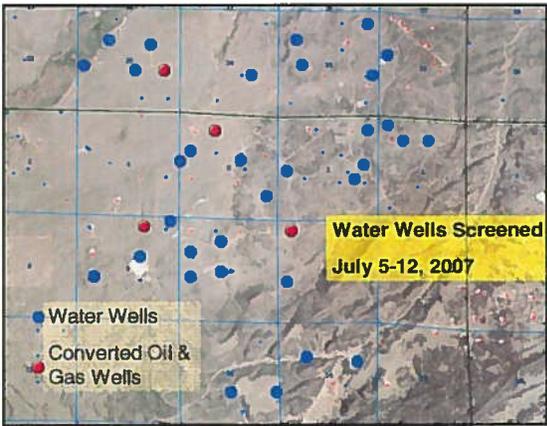


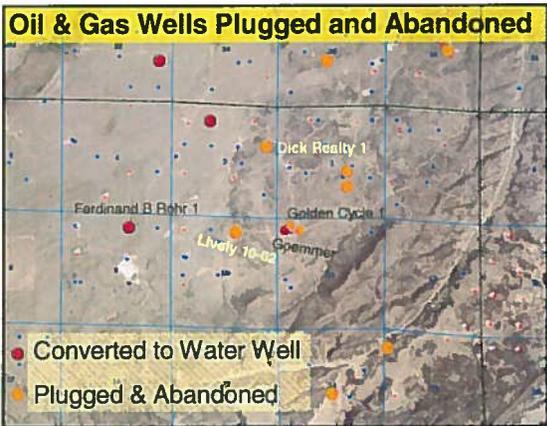




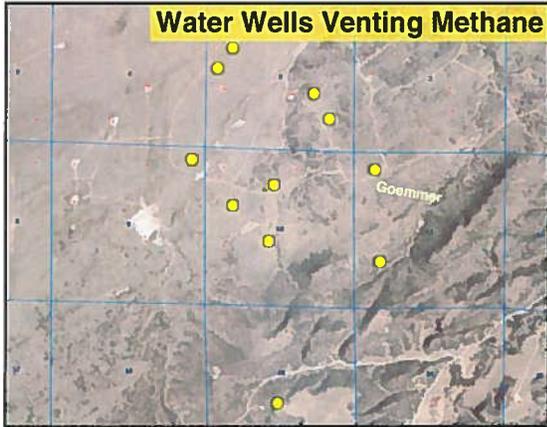


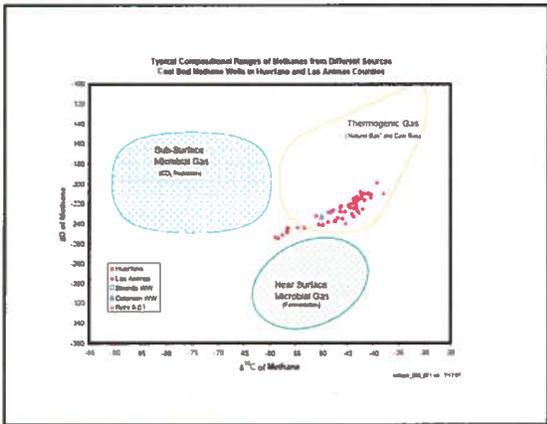


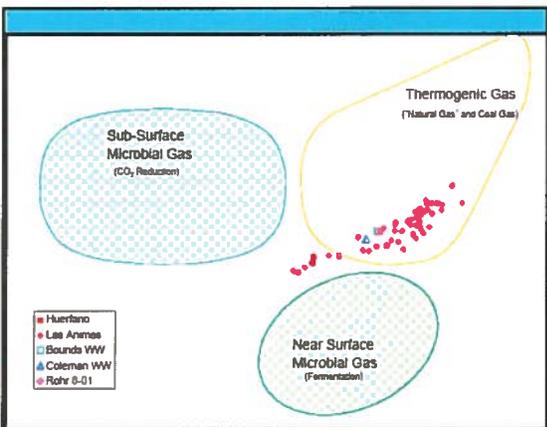




Water Wells Venting Methane

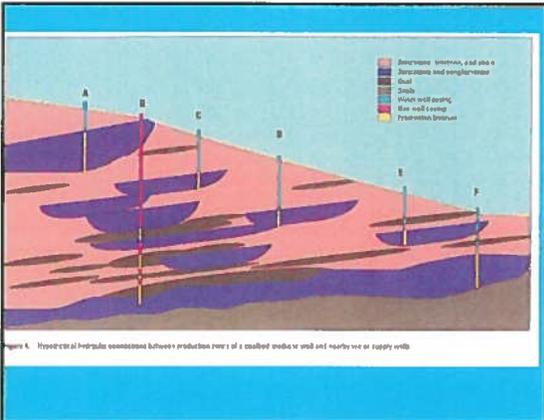


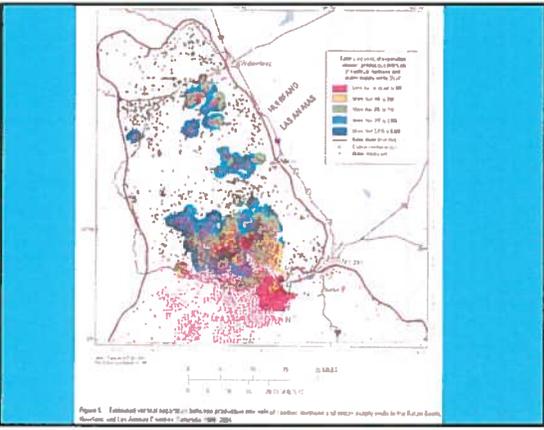


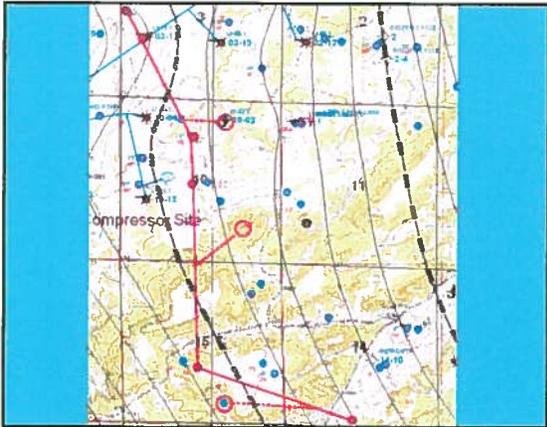


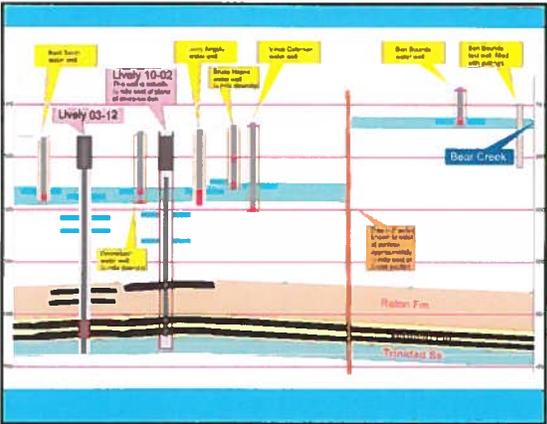
How Can Methane Enter Water Wells

- Water Wells Completed in Coal
- Water Wells Completed in Sandstones or Fractured Zones near Coal
- Migration of Methane into Aquifers
 - Along Fractures
 - Along Dikes
 - From Improperly or Never Plugged Oil & Gas Wells







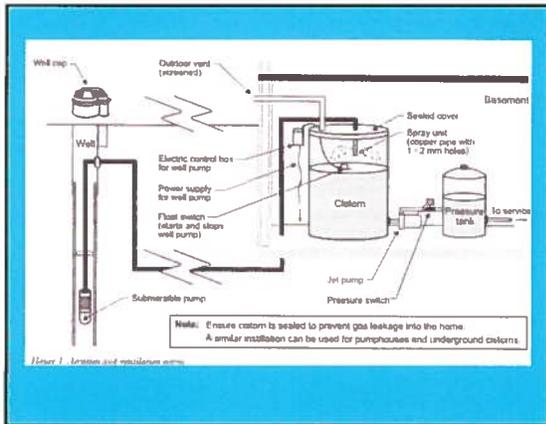


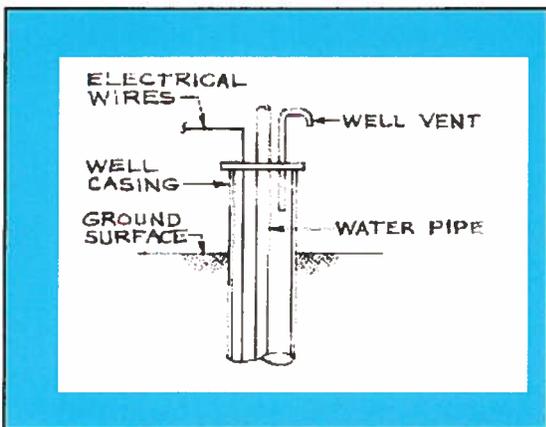
Methane and Your Waterwell

- Methane is colorless and odorless
- Methane is lighter than air
- Methane is flammable
- LEL is 5% in air
- Ignition sources might include
 - Electric switches, pump relays, heat from light bulbs, space heaters

Methane and Your Water Well

- Vented well cap
- Vented cistern
 - If indoors vent to outside building above roof line
 - Vent above snow line and with J and screen
- Aeration and venting
- Indoor combustible gas alarms
- Licensed well and pump professional









Thanks

- River Ridge Ranch Property Owners
- Community Center
- Jim Conley
