

Anadarko Seismic Operations Greater DJ Basin, Colorado

Anadarko Petroleum Corporation

Committed to Safety & Environment

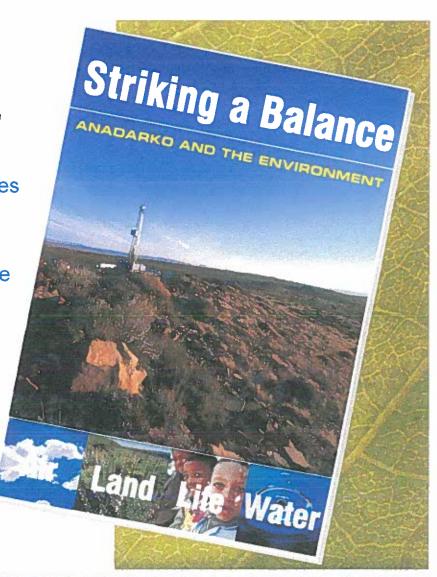
A Safety-First Culture is a Way of Life at Anadarko

When Undertaking a New Project, We:

 Work to understand the environmental issues and cultural considerations of an area

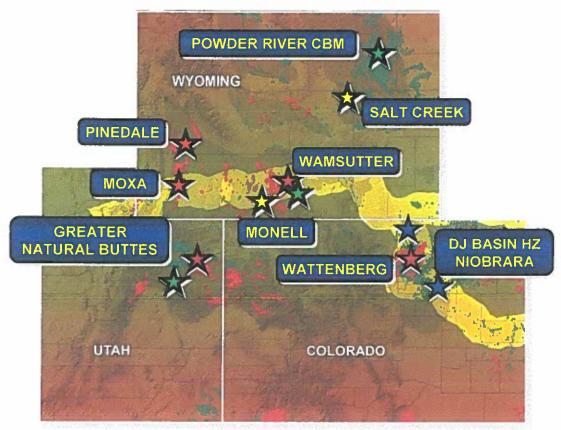
 Create a balanced plan to protect and minimize the footprint on locations where we operate

 Adhere to the stricter of two standards: our own policies and principles or county, state and federal regulations





Anadarko in the Rockies



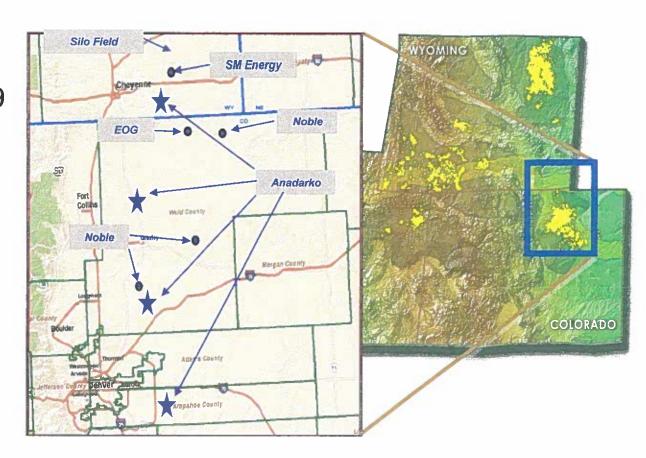
- Top 5 largest producers in Rockies
 - 60,000 BOE/d net production in Colorado from 9,500 wells
- 1,700 employees and over 2,000 contractors
 - 900 employees in Colorado
- Invested \$4B (2007 2009)
 - Invested an estimated \$500 MM in Colorado for 2010
- Paid \$2B taxes, royalties, salaries (2007 – 2009)
 - \$350 MM in Colorado
- Involved in the communities of the Rocky Mountains



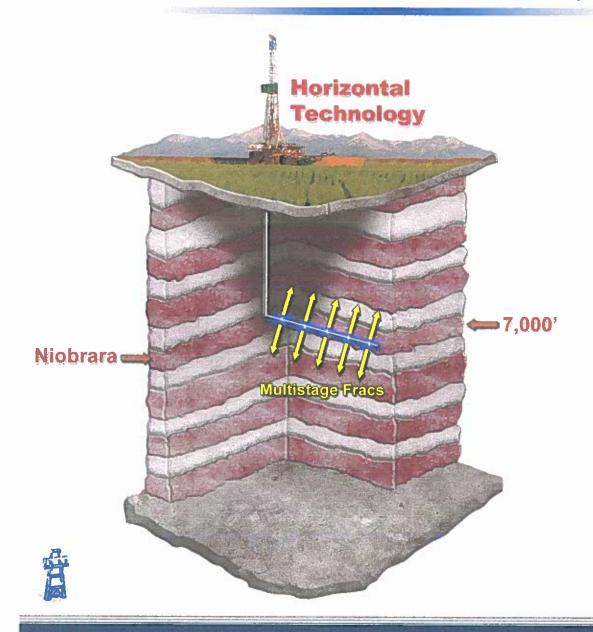


DJ Basin Horizontal Niobrara - Continuous Resource Play

- Set off by EOG discovery well in 2009 near state line
- Still in exploration phase
- Multiple operators
- 363 approved or pending horizontal permits in Colorado, 74 drilled
- Anadarko controls 900,000 acres

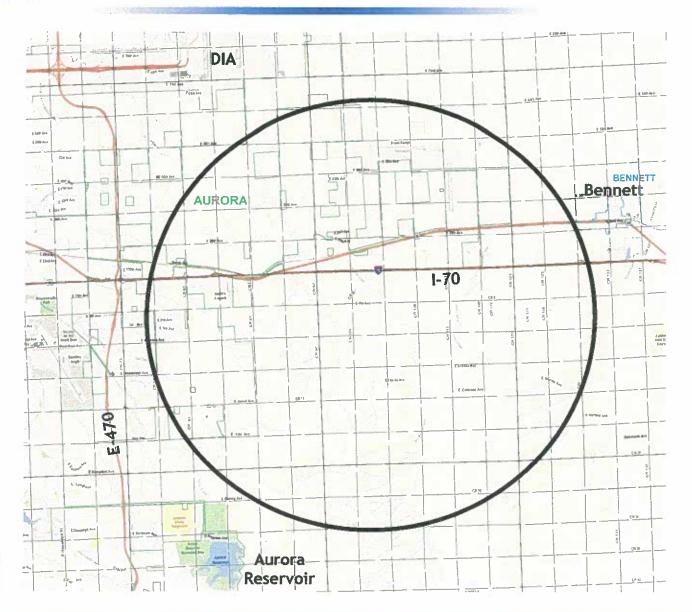


DJ Basin Horizontal Niobrara Play



- Niobrara chalk reservoir at 7,000-8,500'
- Continuous resource play
- Hydrocarbon self sourcing
- Similar characteristics to other successful shale plays in the US
- Horizontal drilling with ~5,000' lateral lengths
- Multi-stage hydraulic fracture stimulation critical to completions

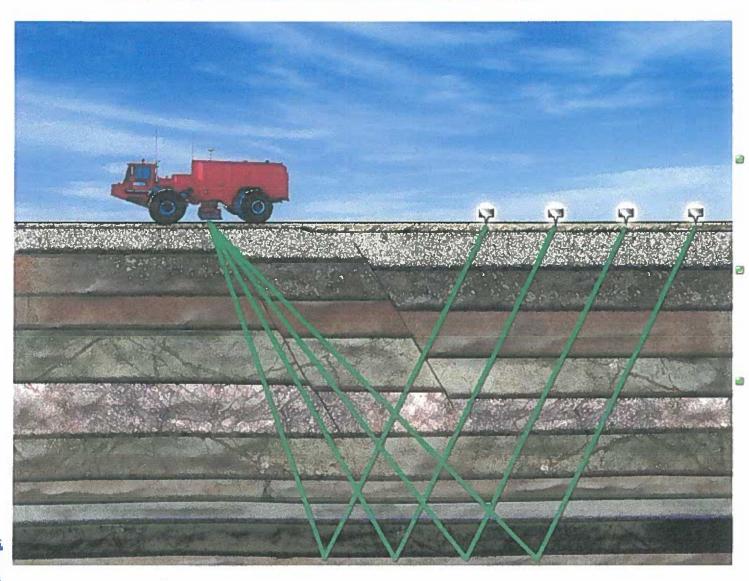
Approximate Area of 3-D Survey



- Survey size is
 144 square
 miles, subject to
 adjustments
- Surface is more than 90% rural
- Will stay on public roads or work around high density subdivisions on west side of survey



3-D Seismic Operations



- The vibrator truck sends sound energy into the earth
 - The reflected energy is recorded by the geophone array
 - Computers process the recordings for use to model the subsurface



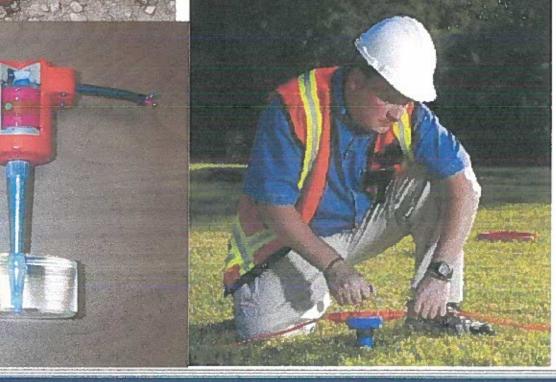
Low-Impact Vibrator Trucks



Geophones



- Listening devices temporarily set in lines spaced quarter mile apart to record seismic reflections
- Inches across, inserted into the ground making a hole about the size of a lawn aeration hole
- Non-electrified, safe for humans and animals
- In place ahead of the vibrator trucks and removed after they pass





Key Points Regarding Seismic Operations

- No activity will occur before all necessary permits are secured
- Surface owners are compensated
 - Approximately \$7 per acre for ranch land; approximately \$40 per home in residential areas
- Wildlife surveys will be completed to ensure no impact
- Operations consist of three low-impact vibroseis vehicles
 - Vibration is similar to the sound of a school bus
 - Soft, low-impact tires to protect surface and vegetation
- Non-electrical geophones record sound-wave information
 - Safe for humans and animals
- 300-foot setbacks from structures in non-residential areas
 - Public rights-of-way used in subdivisions, and vibrating strength reduced 70%
 - Technicians will monitor vibration strength to ensure structures are protected

Key Dates*

- March 1, 2011: Surveyors begin to stake geophone locations and vehicle paths
- Mid-March: Seismic operations to begin on east side
- Late-April: Seismic operations complete



^{*} Dates are approximates, depending on weather and other considerations.