

Williams Piceance Water Management

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- Water management the key to success in development of unconventional oil and gas
- Williams treats 31,000 barrels of water per day
- 2010: Williams recycled 100% of all water, including produced water and fresh water used in drilling mud
- Upgrades of water handling facilities – to reduce air emissions
- Rulison facility upgrade completed in 2009
- Continued testing and monitoring
- Water piped from facilities to drilling pads for fracture stimulation
- Williams tested new filtration system with positive results
- Microbiology (“bugs”) combined with mechanical and enhanced oil/water separation to treat water
- Disposal also through injection wells