

## **Shell East RD&D Pilot Update**

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This presentation provides an update on the East RD&D Pilot project field execution phase which commenced earlier this year after successful pre-project planning and regulatory approvals. The integrated project team is currently progressing construction and drilling activities to delivery schedule, while ensuring strong focus on quality and HSSE objectives. The project consists of 21 wells (heaters, producers, and observer wells) with construction of surface facilities in 2012-2013, followed by an operational hot water leaching phase (2013) to establish permeability, and a subsequent heat & produce operational phase (from 2014). The reclamation phase is scheduled to commence by 2016 and anticipated to successfully conclude the Pilot project activity. Shell is one of the three original companies holding **RD&D leases issued by the Bureau of Land Management (BLM) in Colorado's** Piceance Basin. Shell is planning to demonstrate and commercialize shale oil recovery from the saline portion of the Parachute Creek member of the Green River Formation on the East RD&D Lease. **This will be accomplished via Shell's Second Generation ICP Process. In this** process, permeability development is accomplished by leaching with hot water, followed by production via the ICP Process.