SWP – DOE FUNDING ($29 million)

Objectives:

• Prove up Gordon Creek CO2 reserves through deep-drilling and 3D seismic
  • Gordon Creek exploration wells drilled in 1960’s and 1970’s tested between 4.5 and 17.5 mmcf/day
  • 3rd Party studies conducted by the USGS, the DOE and others estimate CO2 reserves between 140 BCF and 1.3 TCF
  • Establish Sequestration Viability
  • SWP is targeting storage of 1 Million tons of CO2 per year in Navajo formation (existing salt water disposal zone)
CO₂ Sequestration Commercial Pilot

**SWP – DOE FUNDING**

**New Wells**
- 2 or 3 Deep CO₂ Source to 12000’ dual produce & monitor pressure & conc.
  - 1 new producer to replace production from injection well

**Existing Wellbores**
- 3 Deepening 9000’ for VSP Monitoring
  - 1 Deepening 9000 for pressure & concentration monitoring

**New Facilities**
- 4 miles of roads
- Field Electrification
- 3 miles of multiple pipelines
Benefits to Thunderbird

- Prove up Gordon Creek CO₂ reserves for future production:
  - Food industry
  - Tertiary oil recovery
    - Uinta Basin – mature oil field within 50 miles of Gordon Creek
- Legacy infrastructure for future gas production and water disposal
  - Up to 3 deep wells (CO₂ source and/or injection)
  - Up to 8500 HP of power generation and site electrification
  - Enhanced pipeline and road infrastructure
- Establishing the future CO₂ sequestration business opportunity