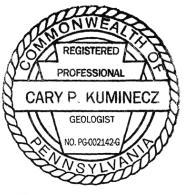
Class II-D UIC PADEP
Permit Application
for
Roulette Oil & Gas Co., LLC
Clara Field #20 Well
37-105-21374-00-00
Clara Township, Potter Co., PA

Submitted by: Roulette Oil & Gas Co., LLC 1140 Route 44 South Shinglehouse, PA 16748



Prepared by: Cary P. Kuminecz CPG, PG (NY & PA) StratResources Geologic Consulting, PLLC 4862 Harmony Way Hamburg, NY 14075 stratresourcesgeo@gmail.com





## **TABLE of CONTENTS**

- A. Permit Application (Form 8000-PM--OOGM0001A) & Operator Ownership & Control Information (Form 8000-PM-OOGM0118)
- B. Well Location Plat & Document (Form 8000-OOGM-M0002)
- C. Environmental & Archeological Reviews
  - -PNDI Receipt & Approval Letter
  - -SHPO Approval Letter
  - -Coordination of a Well Location with Public Resources (Form 8000-PM-OOGM 0076)
- D. EPA Permit Application
- E. EPA Injection Permit
- F. Control & Disposal Plan (2 copies)
- G. Erosion & Sedimentation Plan (2 copies)
- H. Permit Application Narrative, including:
  - -Geologic Setting and Stratigraphy
  - -Vertical Separation from the Salina Group Top and from the Basement
  - -Estimated Depth of Deepest Fresh Ground Water
  - -Location and Thickness of Confining Layers
  - -Potential Seismicity
  - -Display Maps
  - -Structural Geologic Maps
  - -Structural & Stratigraphic Geologic Cross-Sections
- I. Known Water Wells within the 1 mile Buffer beyond the AOR
- J. Bottom Hole Pressure and Fracture Gradient
- K. Proposed Injection Rates
- L. Casing and Cementing Plan & Clara #20 Well Record
- M. Measures to Be Taken to Avoid Creating a Public Nuisance
- N. Description of Monitoring to Be Conducted

## **Appendices**

- *I: Clara #20 Well Logs*
- II: Well Records from 56 Oil & Gas Wells within the 1-mile Buffer
- III: Structural & Stratigraphic Geologic Cross-Sections (full size with hard copies only)