LITHOLOGICAL DATA:

- **DATE:** SEPTEMBER 21, 2011
- **OPERATOR’S WELL #:** MICHAEL SOUTHWORTH MSH 10H
- **API WELL #:** 47 51
- **STATE:** WYOMING
- **COUNTY:** WYOMING
- **WATERFALL:** UPPER OHIO SOUTH
- **SURFACE OWNER:** MICHAEL S. SOUTHWORTH
- **GAS & ROYALTY OWNER:** MICHAEL S. SOUTHWORTH
- **LEASE NUMBERS:**
  - **DRILL:** CONV T 0 Drill DEEPER REDRILL FRACTURE OR STIMULATE
  - **PLUG OFF FORMATION:** PERFORATE NEW FORMATION PLUG & ABANDON
  - **CLEAN OUT & REPLUG:** OTHER CHANGE (SPECIFY)
- **TARGET FORMATION:** MARCELLUS
- **ESTIMATED DEPTH:** TVD: 6,416' TMD: 13,391'
- **DESIGNATED AGENT:** ERIC GILLESPIE
- **ADDRESS:** PO BOX 8070
- **CITY:** CHARLESTON
- **STATE:** WV
- **ZIP CODE:** 25301

**PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.**

**SIGNED:**

L.L.S. #2124: Ernest J. Benschek III