



## **SAGE Watch™ Presentation Outline**

- I. Why monitor externally?**
  - a. Initial reasoning behind development
  - b. Additional benefits
- II. What is SAGE Watch™ ?**
  - a. Description of equipment
  - b. Equipment installation and operation
- III. Data collection specifications and capability**
  - a. Gauge system specs
  - b. System integrity test
  - c. Surface data collection and transmission
- IV. Monitoring Well Case Histories**
  - a. Total installation history
  - b. Operator “A” work
    - i. Operational experience – installation and data gathering
    - ii. Information gathered – expectations to results
      - 1. Spacing study
      - 2. Reservoir
    - iii. Plans for existing monitor wells
    - iv. Plans for future monitoring wells
  - c. Operator “B” work
    - i. Operational experience – installation and data gathering
    - ii. Information gathered – expectations to results
      - 1. “Positive” data versus “Negative” data
      - 2. Reservoir
      - 3. Fracturing
    - iii. Plans for existing monitoring wells
    - iv. How data is affecting future plans
- V. Strategic planning**
  - a. Existing fields/New fields
    - i. well placement/positioning
    - ii. regulatory reporting requirements
  - b. Project management – inception to evaluation
  - c. Wellbore construction considerations
    - i. Borehole/ down hole
    - ii. Surface location
  - d. Completion considerations
    - i. Completion type / activities
    - ii. Intervention
- VI. Q & A**