

Geologist Information

General: New location; 4 wells first (37 wells total)
 Ownership: Clough Surface/ Split minerals (road through BLM)
 SUA Status: Needs amended
 Spacing Units: 2 spacing units (N/2 of section 10 and section 3)
 (applies to total wells)
 Adjacent Owners: Strong, Mahaffey, others



Plan of Development

Access: New access as shown
Drilling: Efficiency rig
Cuttings: In trench on location
SIMOPS: Yes
Completion: Frac from RWF 512-11 pad. Use existing 10" water supply line to supply water to RWF 512-11 pad pad. This existing 10" water supply line will be requested to be buried. 3-4.5" temporary surface frac lines will follow the pipeline ROW to the NR 23-3 pad.
Flowback: Back to RWF 512-11 pad.
Prod Equip: Production equipment to be adjacent to pad where access road comes onto pad. For the first visit, separators, water tanks and condensate tanks will be placed on the production pad adjacent to the pad. For the 2nd (full drill out) visit, separators, condensate tanks, and a blow down tank will stay on the production pad but water will be piped to a central tank pad located on Golding 4 pad.
Pipeline: A new 12" gas line and a new 6" water line will be buried from the NR 23-3 pad to the Golding 4 pad. The gas line will continue past the Golding 4 pad and tie-in at an existing 20" line in the Clough road. The lines will follow the existing 2-track road from the NR 314-2 pad to the NR 23-3 pad. The lines will follow the existing pipeline ROW from the NR 314-2 pad to the Golding 4 and on to the tie-in point at the 20". There will be slight deviating on the route near the RWF 424-11 pad where the pipeline will go up and over the pad and rejoin the existing ROW.

Legend

- Proposed Pipeline Route
- Existing Poly Frac Water Supply Line
- Proposed Produced Water Line Route
- Existing Road
- Proposed Frac Line Route
- Pipeline (Valley)
- Proposed Road
- BLM
- Proposed Production Equipment Area
- Proposed Daylight Line
- Proposed Pad or Pit

Williams Production RMT

NR 23-3 Plan of Development
 T6S R94W, Section 3

January 20, 2010

