



## **Castle Springs Federal Q Pad Attachment C List of Equipment/Facilities**

**Some equipment and facilities included herein may already exist if an expanded pad or new wells are added to the location under the Form 2A**

### **CONSTRUCTION**

- Bulldozers, backhoes and dirt hauling trucks (if needed)

### **DRILLING**

- Spudding Rig (temporary) for drilling surface hole (optional - if needed)
- 1 Drilling Rig (temporary) with auxiliary equipment / materials (Mud, water tank, diesel tanks)
- 3 temporary offices / safety building and auxiliary equipment to directly support accommodation
- Generator-set, Sewage Tanks, Potable water tank (temporary)
- Sub-Surface waterlines 2 x 6" (existing)

### **COMPLETIONS**

- Up to 50 – 600bbl temporary tanks for well stimulation (see Construction Layout)
- Temporary flowback equipment for green completions
- Temporary flare stack equipment

### **PRODUCTION**

- 10 Wellheads with production manifolds and lubricator (2 existing)
- Common Guard/Fence around wellheads
- 10 buried flow-lines from well head to separators and to water and oil tanks
- 3 Quad Separator Units (12 total)
- 2 Condensate low profile color coded Tanks (with oil heaters) (existing)
- 2 Produced Water low profile color coded Tanks (existing)
- Primary and secondary containment for tanks (steel rings with liners)
- Communications and control instrumentation to include solar panels and telemetry (existing)
- 1 buried Gas Pipeline to connect with gas gathering network (existing)
- 1 VOC Combustor and knockout vessel for liquid gas (existing)
- Pig Launcher /Receiver
- Chemical/Soap Injection and plunger running Facilities for wells (as needed)

### **RECOMPLETIONS / WORKOVERS\***

- Workover – Rig and artificial lift equipment (temporary – as required)
- Recompletions – Tanks and flowback equipment (temporary – as required and approved by COGCC)
- Recompletions – Temporary tank staging (temporary - prior to and following recompletes)

\* Recompletions and workovers are dependent upon well production; therefore equipment and required temporary facilities cannot be projected at this time. Recompletions are subject to COGCC rules and approval, typically through submittal of a Sundry Notice.