

### **Response to December 24, 2018 Inspection**

COGCC conducted an inspection of the BB 07-33 Pad (Location ID 456174) on December 24, 2018 (Document 682404303). During that inspection, COGCC made the following comment:

“It is unclear to COGCC Staff but it appears topsoil salvage operations may still be in-process; however, it also appears topsoil may be used as fill material on the eastern well pad. Topsoil still needs to be salvaged from the well pad area. Refer to the attached inspection photos. Operator shall comply with Rule 1002.b. to salvage and store all topsoil from disturbance areas.”

And issued the following corrective action:

“Operator shall report the total salvaged and stored topsoil via Form 4 no later than January 7, 2019.”

Prior to construction, on November 27, 2018, Noble Energy examined topsoil depths from five test pits. The test pits were located at the northern, eastern, southern, and western edge of pad, and at the well head. Photos are provided in the photo log below.

The depth of topsoil at each location is as follows:

South: 10 inches

West: 6 inches

North: 9 inches

East: 10 inches

Well Head: 7.5 inches

Resulting in an average depth of 8.5 inches.

The dimensions of the pad, where topsoil was removed, are approximately 440 feet by 510 feet, resulting in approximately 224,400 square feet.

The total topsoil required to be removed is approximately 159,000 cubic feet (cf).

Noble created three topsoil piles on the location. Together, the three piles contain approximately 172,000 cf of topsoil.

Pile 1 (south side) = 68,000 cf

Pile 2 (north side) = 77,000 cf

Pile 3 (east side) = 27,000 cf

Total = 172,000 cf

Name: BB 07-33 Pad

Location ID: 456174

**Noble Energy – 11/27/2018**



Photo NBL1 – Topsoil depth at south edge of pad, estimated at approximately 10 inches.

**Noble Energy – 11/27/2018**



Photo NBL2 - Topsoil depth at west edge of pad, estimated at approximately 6 inches.

Name: BB 07-33 Pad

Location ID: 456174

**Noble Energy – 11/27/2018**



Photo NBL3 - Topsoil depth at north edge of pad, estimated at approximately 9 inches.

**Noble Energy – 11/27/2018**



Photo NBL4. Topsoil depth at east edge of pad, estimated at approximately 10 inches

Name: BB 07-33 Pad

Location ID: 456174

**Noble Energy – 11/27/2018**



SPACE INTENTIONALLY BLANK

Photo NBL5 - Topsoil depth at the wellhead, estimated at approximately 7.5 inches.