

From: [Joel Dill](#)
 To: [Sheela Singh](#); [Matt Barber](#)
 Cc: [Andy Van Wyk](#)
 Subject: Wetco 4-63-4 SW - Request to Remove COA's for Offset Well Operations
 Date: Wednesday, January 23, 2019 7:12:40 AM
 Attachments: [image001.png](#)
[image001.png](#)

Good Morning,
 We have requested and received approval to remove the BCEI operated wells listed below as COAs on the permits associated with the Wetco 4-63-4 SW Pad that HighPoint Resources is drilling. We were advised by the COGCC that HPR would be required to submit the Form 4 (pad level) to get these COAs removed.
 Could either of you assist us in completing this?

Please reach out if you have any questions! Thank you,

Joel Dill, P.E.
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From: Jacobson - DNR, Eric [mailto:eric.jacobson@state.co.us]
 Sent: Tuesday, January 22, 2019 10:45 AM
 To: Andy Van Wyk
 Cc: Joel Dill
 Subject: [EXTERNAL] Re: Request to Remove COA's for Offset Well Operations

External Sender: Use caution with links/attachments
 Joel

In reviewing these wells, I found the following.

Rothe 5-6 WW 400' & FH 176' It will stay on as a COA. (I did see a Form 6 Intent was submitted at the end of last week)

Rothe 22-6 WW 660' It can be dropped from the COA list.

Wetco Farms 14-4 WW 660' & FH 253'. It can be dropped from the COA list.

Please have High Point submit a Form 4 sundry to drop these wells from the COA. It can be done at the pad level.

Thanks Eric

On Fri, Jan 18, 2019 at 10:01 AM Andy Van Wyk <AVanWyk@bonanzack.com> wrote:

Good Morning Eric,

Bonanza Creek Energy received a Notice of Fracture Stimulation from HighPoint Resources for their Wetco 4-63-4 SW pad located in Weld County, Section 4-T4N-R63W. Frac operations for this pad are currently scheduled to start on March 31, 2019. Among the list of Bonanza Creek Energy wells listed in the HighPoint Resources OWE document, we have identified Bonanza Creek Energy wells are also listed in the Wetco 4-63-4 SW pad approved APD's Conditions of Approval. Per the Conditions of Approval, there are 4 Bonanza Creek Energy wells require Option 1 or Option 2 mitigation. I have listed 3 of these wells below:

05-123-12586	ROTHE 5-6
05-123-20862	WETCO FARMS 14-4
05-123-26161	ROTHE 22-6

We are requesting that the COA requirements for these 3 wells be removed. The basis for this request is as follows:

- The OWE data compiled by HighPoint Resources for the above 5 wells is as follows:

Highpoint OWE DATA - Wetco 4-63-4 SW Pad											
Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Setting Depth	Base of Fox Hills (DJ) or Depth of Deepest Water Well (Statewide)	Historical Remedial Work to Provide Fox Hills Coverage (DJ Only)	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement
05-123-12586	ROTHE 5-6	WETCO 04-63-05-4033CB	667	BONANZA CREEK ENERGY	07/26/1986	SI	302	490		6431	6028
05-123-20862	WETCO FARMS 14-4	WETCO 04-63-05-5764B	927	BONANZA CREEK ENERGY	04/22/2002	SI	685	490		6336	6054
05-123-26161	ROTHE 22-6	WETCO 04-63-05-4033CB	706	BONANZA CREEK ENERGY	08/13/2007	SI	662	490		6364	2948

- In speaking with HighPoint Resources, they populated the 'Base of Fox Hills (DJ) or Depth of Deepest Water Well (Statewide)' column with an estimated depth of 490' to the base of the Fox Hills formation. Bonanza Creek Energy has not been able to confirm a depth to the base of the Fox Hills formation of 490' in this area. Bonanza Creek, using a government supplied calculation method for estimating the depth of water bearing formations, has estimated that the depth to the Fox Hills to be 125'.
- In reviewing the surrounding area of the Rothe 5-6 and Rothe 22-6 wells, Bonanza Creek has identified water wells with max depths in the 100' range.
- We have reviewed the OWE documentation for another offset HighPoint Resources pad, the Peterson5-63-30-NENE located in Weld County, Section 30-T5N-R63W. This pad was drilled in 2017. This HighPoint Resources OWE document for this pad provides a depth of 100' in the 'Base of Fox Hills (DJ) or Depth of Deepest Water Well (Statewide)' column.
- Based on this data, Bonanza Creek contends the Rothe 5-6 well should not require Option 1 or Options 2 mitigation given a surface casing depth of 302' that is below the identified depth of offset water wells of 100'.
- Bonanza Creek contends the Wetco Farms 14-4 and Rothe 22-6 wells should not require Option 1 or Options 2 mitigation given they each have adequate surface casing depths and adequate production casing cement.

Thank you for your consideration. Please respond affirmatively should you agree to remove these COA's.

Best Regards,

Andy

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Eric Jacobson, PE
 Engineer
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