

Re: Mesa SWD B12-797 form 2 doc#400786234

Crissy Venturo

Fri 3/13/2015 4:21 PM

To: Craig Burger - DNR <Craig.Burger@state.co.us>;

Cc: Bob Koehler - DNR <bob.koehler@state.co.us>;

Bcc: Crissy Venturo <cventuro@progressivepcs.net>; Shauna DeMattee <sdemattee@progressivepcs.net>; Kaylynn Steenhoek <ksteeenhoek@progressivepcs.net>;

Hi Craig,

Per Caerus' review of the offset well the Puckett 24B-1 they wish to set up a meeting to further discuss the formation tops and isolation. Would you be available to discuss this matter further by phone conference or in person? Let me know which you would prefer and when it works best for you.

Thank you!

Crissy Venturo**Regulatory Analyst****Progressive Consulting, Inc.**

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From: Craig Burger - DNR <Craig.Burger@state.co.us>**Sent:** Tuesday, February 24, 2015 2:31 PM**To:** Crissy Venturo**Cc:** Bob Koehler - DNR**Subject:** Mesa SWD B12-797 form 2 doc#400786234

Chrissy,

I have completed my preliminary review of the subject Form 2.

I am concerned with the potential for communication during hydraulic fracture treatment and injection of the Ohio Creek with one offset wellbore as discussed below. The planned injection zone is the Ohio Creek.

So far, I have applied the following Comment to the Mesa SWD B12-797 form 2 doc#400786234:

Comments

"Evaluated offset wells within 1,500 feet. COGCC picked a cement top of 5520' for Pucket 24B-1 (045-13352). The top of the Williams Fork was logged as 5700'. About 180' of cement is provided above the WMFK top which may not be sufficient to cover the Ohio Creek. Thickness of the Ohio

Creek in this area is not apparent from offset wells. This wellbore is about 1050' away from the Mesa SWD B12-797. Emailed operator regarding offset well mitigation and placed form on hold."

The well discussed above penetrates the objective Ohio Creek formation within 1500 feet of the Mesa SWD B12-797 and cement isolation does not appear adequate. Mitigation plans for the offset wells are required.

Please reply to this email to acknowledge that mitigation will be performed to limit the potential for communication with the existing offset wells prior to stimulation of the proposed well.

Mitigation shall consist of one of the following options (Option 3 does not apply in this case, and I am not overly concerned with Option 2 - Plugging):

1. If the Existing Well is to remain, provide remedial cement needed to properly isolate all formations.
2. If the Existing Well is to be plugged, adequately plug the Existing Well to isolate all hydrocarbon and fresh water formations.
3. If the Existing Well is PA or DA, re-enter and re-plug the inadequately plugged well.
4. Secure COGCC approval for an alternative form of mitigation or COGCC agreement that additional mitigation is unnecessary under the circumstances.

If Caerus chooses Option 4, then please call to discuss alternatives that we would allow. The Form 2 Engineering Task will remain ON HOLD until I receive your reply. Please contact me at your convenience if you have any questions.

Thank you,

Craig Burger
Northwest Area Engineer



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