



Krabacher, Jay

To: Shauna Redican
Cc: King, Kevin
Subject: RE: CBL Delay Request - Dixon Fed CA pad wells -- API 045-13819, 20427, 14372

Shauna:

This correspondence will be inserted into the appropriate wellfiles and serve as the COGCC's concurrence that Antero did abide by the Mamm Creek NTO in regards CBL deferral. Any timely acknowledgment by COGCC has been lost or misplaced.

Antero (retroactively) had the COGCC's concurrence to defer running the CBLs on the wells, below, upon furnishing data (temp logs and BradenHead Pressure data) that these wells were adequately cemented:

- Dixon Fed CA B-1 (045-13819)
- Dixon Fed CA B-14 (045-20427)
- Dixon Fed CA B-6 (045-14372)

Regards,

Jay Krabacher

From: Shauna Redican [mailto:sredican@anteroresources.com]
Sent: Friday, March 23, 2012 2:16 PM
To: Krabacher, Jay
Subject: RE: RE: CBL Delay Request - McPherson A6 (API 045-17067) --> but Dixon Fed CA pad wells

Hi Jay-

Since we didn't comply with the Mamm Creek Notice to Operators (NTO), which requires us to run a CBL 12 to 48 hours after setting production cement, we requested delaying the CBL for these wells. Typically on our Request to Complete (RTC) Sundries will note, "Antero received approval from COGCC Engineer, Kevin King, on 10/27/2011, to defer running the CBL on the subject well, per the Mamm Creek Notice to Operator's policy."

With that said, in order to clean up our files and records to be in compliance with the Mamm Creek NTO, we will need the CBL Delay Requests for the following wells approved:

- Dixon Fed CA B1 – API# 05-045-13819
- Dixon Fed CA B14 – API# 05-045-20427
- Dixon Fed CA B6 – API# 05-045-14372

Please let me know if you have any questions about this and feel free to give me a call if it's easier. Also, please find the approved RTC sundry for the Dixon Fed CA B6 attached.

Thanks!

Shauna Redican
Permit Representative
Antero Resources
1625 17th Street
Denver, CO 80202
Office: (303) 357-6820

Cell: (720) 299-4495

From: Krabacher, Jay [<mailto:Jay.Krabacher@state.co.us>]
Sent: Wednesday, March 21, 2012 3:08 PM
To: Shauna Redican
Subject: NOT: RE: CBL Delay Request - McPherson A6 (API 045-17067) --> but Dixon Fed CA pad wells

Shauna:

I am a little confused (what else is new ...) → but unless I'm missing something – it appears that there are CBLs on file for all of these wells. Antero may have (probably?) did ask for CBL deferment/delays – but the CBLs are now in each well's file.

As I said, I may be “missing something” but presently the important hurdle/criterion would be the Request to Complete (RTC) for each well. As you said, you have the approved Sundries for these.

I checked the wellfiles and all of the RTCs are there, except for the B6 (API 045-14372).

So you and I won't get into trouble, do you happen to have a copy of the Sundry for B6? Send a copy to me and I'll get it entered into the wellfile.

Regards,

Jay K

From: Shauna Redican [<mailto:sredican@anteroresources.com>]
Sent: Wednesday, March 21, 2012 10:46 AM
To: Krabacher, Jay
Subject: RE: CBL Delay Request - McPherson A6 (API 045-17067)

I did receive approval for all of the Request to Complete Sundries for the Dixon Fed CA B2, B1, B14 and B6 however, I did not receive approval for the CBL Delay Requests.

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From: Krabacher, Jay [<mailto:Jay.Krabacher@state.co.us>]
Sent: Wednesday, March 21, 2012 10:43 AM
To: Shauna Redican
Subject: RE: CBL Delay Request - McPherson A6 (API 045-17067)

Shauna:

Looking through my “phone messages sent” trail – I did sent an acknowledgment (and approval) of the B2.

Seriously: have you NOT received any word on those others? I sent Mark Weems the B1, B6, and B14.

Let me know at your convenience – if these are still unapproved and Antero is being held back – I'll get right on them.

Regards,

Jay Krabacher

From: Shauna Redican [<mailto:sredican@anteroresources.com>]
Sent: Tuesday, March 20, 2012 10:15 AM
To: Krabacher, Jay
Subject: RE: CBL Delay Request - McPherson A6 (API 045-17067)

Thanks Jay-

I believe that was an error on the CBL Delay Request. The TOC should have matched the temp log.

When you get a chance could you look to see if Kevin had forwarded you the CBL Delay Requests for the Dixon Fed CA B2, B1, B14 and B6? These were sent out last month and we haven't received approval so I wanted to make sure the paperwork trail was cleaned up on these.

Please let me know if you need me to forward these on to you. Have a nice day!

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From: Krabacher, Jay [<mailto:Jay.Krabacher@state.co.us>]
Sent: Tuesday, March 20, 2012 8:44 AM
To: Shauna Redican
Cc: Westerdale, Barbara; King, Kevin; Andrews, David
Subject: RE: CBL Delay Request - McPherson A6 (API 045-17067)

Shauna:

The temp log does indicate a TOC as stated in your message. Continue to monitor the bradenhead and notify us if the pressure approaches 150 psi.

Antero has COGCC concurrence to defer the CBL on this well.

Regards,

Jay Krabacher

From: Shauna Redican [<mailto:sredican@anteroresources.com>]
Sent: Monday, March 19, 2012 10:22 AM
To: King, Kevin
Cc: Westerdale, Barbara; Krabacher, Jay
Subject: CBL Delay Request - McPherson A6

Hi Kevin -

Antero Resources Piceance Corporation is requesting a CBL deferment on the McPherson A6 described below. A temperature survey was run following cementing the 4-1/2" production casing on the subject well and is attached.

Pad: McPherson A
Well: McPherson A6
API No.: 05-045-17067-00
Permit No.: 400156876

Location: NENW, Section 16, R92W of the 6th PM
Surface Casing: 8-5/8" set and cemented @ 1,072.5' with 365 sacks
Production Casing: 4-1/2" set and cemented @ 8,237.2' with 1,105 sacks
Date Cemented: 3/13/2012
TOC from survey: 2,250'
Top of Gas: 6,427'
Temp Survey Run date: 3/13/2012
Volume to fill annular: 0.5 Bbls
72 hour Bradenhead Pressure Monitoring Results: 0 psig
Updated Bradenhead Pressure, if changed from 72 hour reading: N/A

After deferment of the CBL is approved, Antero will continue to monitor the Bradenhead pressure until the CBL is run and notify if pressure exceeds 150 psig.

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