

From: [Ken Raymond](#)
To: [Arthur Koepsell - DNR](#)
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778
Date: Tuesday, April 12, 2016 8:11:04 AM
Attachments: [image002.png](#)

That is great news! Below are the remaining wells and their respective API Numbers:

Thanks!

Ken

P.S.

- Hebron 0780 3-18H; API No. 05-057-06547
- Mutual 0780 2-8H; API No. 05-057-06544
- Mutual 0780 3-8H; API No. 05-057-06543
- Mutual 0780 4-8H; API No. 05-057-06541
- Hebron 0780 4-18H (formerly Mutual 1-17H) ; API No. 05-057-06553
- Castle 0780 1-17H20; API No. 05-057-06542
- Castle 0780 2-17H20; API No. 05-057-06546
- Castle 0780 3-17H20; API No. 05-057-06549
- Castle 0780 4-17H20; API No. 05-057-06548

From: Arthur Koepsell - DNR [mailto:Arthur.Koepsell@state.co.us]
Sent: Tuesday, April 12, 2016 9:03 AM
To: Ken Raymond
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

Ken,

Everything is fine with the Sundry. I also have some good news for you; you do not need to submit additional Sundries for the pad. The exception request applies to the whole pad for this drilling cycle. What most operator's have been doing is submitting the Sundry for the first well they intend to drill then list the other wells on the pad in comments. If you send me the well names and API numbers I can add them to the current Sundry.

Thanks,

Arthur

Arthur W. Koepsell, P.G.
Environmental Data Analyst



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From: Ken Raymond [mailto:kraymond@sandridgeenergy.com]
Sent: Tuesday, April 12, 2016 7:31 AM
To: 'Arthur Koepsell - DNR'
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

Good Morning Arthur,

Just checking to see if everything is okay as far as the Sundry for the Hebron 0780 4-7H is concerned.

I have similar Sundries to be completed for nine other wells that will be located on the same pad and wanted to be sure that this one is okay before I proceed.

Thanks!

Ken

From: Ken Raymond
Sent: Friday, April 08, 2016 12:09 PM
To: Arthur Koepsell - DNR
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

Arthur,

The actual coordinates for the well are Lat. 40.587367 and Long. -106.414488.

Let me know if you have any other questions.

Thanks!

Ken

From: Arthur Koepsell - DNR [<mailto:Arthur.Koepsell@state.co.us>]
Sent: Friday, April 08, 2016 11:10 AM
To: Ken Raymond
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

Ken,

I do not think that you will need to amend the Sundry. Could you send the actual coordinates for the water well? I do not think that I have the correct la/long just the lat/long of the spigot.

Thanks,

Arthur

Arthur W. Koepsell, P.G.
Environmental Data Analyst



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From: Ken Raymond [<mailto:kraymond@sandridgeenergy.com>]
Sent: Friday, April 08, 2016 9:57 AM
To: Arthur Koepsell - DNR
Subject: RE: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

Good Morning Arthur,

I believe the issue stemmed from the fact that, although the location where the sample was collected exists *inside* the ½ mile radius of the Hebron 0780 4-7H, the water well itself is located *outside* the ½ radius. In this particular instance, water is pumped from the well via piping to a location where the well was sampled (i.e. a spigot). When our consultant (i.e. LT Environmental, Inc.) was in the field collecting groundwater samples associated with the Hebron 01-18H, the well was inaccessible due to snow accumulation. Consequently, GPS coordinates were only taken at the spigot and not the well. The GPS coordinates for the well have since been determined and uploaded to the COGCC Rdbms database as reflected by the attached maps.

In light of the above, please let me know if the Sundry still needs to be amended.

Respectfully,

Ken Raymond

From: Arthur Koepsell - DNR [<mailto:Arthur.Koepsell@state.co.us>]
Sent: Thursday, April 07, 2016 9:13 AM
To: Ken Raymond
Subject: <EXTERNAL> Sandridge Hebron 0780 4-7H Rule 609 Sundry Document # 401023778

This email originates from an external source. Please be cautious before clicking on any links and/or opening any attachments.

Ken,



A review of water well and sample location information on the COGCC maps indicate that there is a previously sampled water well within the 1/2 mile radius of the Hebron 0780 4-7H. The water well (facility ID 754651) was sampled by Sandridge for the Hebron 01-18HR and Hebron 02-18H in January of 2016. The sampled location is just inside of the 1/2 mile radius. Since this location has been sampled recently and falls within the 1/2 mile radius the existing sample should be used as one of the 609 samples for the Hebron 0780 4-7H.



The changes that would need to be made to the Sundry are the number of exception would go from 4 to 3 and Sample # 548225 would be added to the Sundry as a request to use a previously sampled location to meet sampling requirement.



So the Sundry would end up looking like:



NOTE: If this Sundry Notice is being submitted to request a Ground Water Sampling Exception it cannot be used for any other purpose except requesting the use of a Previously Sampled Water Source in the COGIS database.

Request an Exception to Ground Water Sampling Requirements per Greater Wattenberg Area Rule 318A.e(4): There are no Available Water Sources located within the governmental quarter section or within a previously unsampled governmental quarter section within a 1/2-mile radius of this proposed Oil and Gas Well, Multi-Well Site, or Dedicated Injection Well.

Request an Exception to Ground Water Sampling Requirements per Statewide Rule 609.c.

Number of Water Sources located within one-half (1/2) mile of a proposed Oil and Gas Well, Multi-Well Site, or Dedicated injection Well.

Number of Water Source Exceptions requested per Rule 609.c.

Number of Water Sources determined to be unsuitable. **The condition of these Water Sources MUST be documented in the comments below or in an attachment.**

Number of Water Sources suitable for testing whose owners refused to grant access despite an operator's reasonable good faith efforts to obtain consent to conduct sampling.

The reasonable good faith efforts used to obtain access from the owners of these Water Sources MUST be documented in the comments below or in an attachment.

Request a Previously Sampled Water Source in the COGIS database be used to meet sampling requirements as described in Rule 609.d(3).

Type of Sample Substitution Request

Enter Sample ID Number from COGIS Maps for each Previous Water Sample:

Sample ID	Facility ID	Sample Date	Sample Purpose
<input type="text" value="548225"/>	<input type="text" value="754651"/>	<input type="text" value="1/28/2016"/>	<input type="text" value="Rule 609 Pre Drill"/>

COMMENTS



If you agree with my suggested changes please send an email confirmation and I can make the changes and pass the Sundry.



Thanks,



Arthur



Arthur W. Koepsell, P.G.
Environmental Data Analyst



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