



STATE OF
COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

Form 2A review for Kerr-McGee's BADDING 34N-2HZ location - Doc #400473840

4 messages

Andrews - DNR, Doug <doug.andrews@state.co.us>

Fri, Sep 27, 2013 at 10:56 AM

To: "Kucera, Lauren" <Lauren.Kucera@anadarko.com>

Lauren,

I have reviewed the referenced Form 2A Oil & Gas Location Assessment and have a few comments.

1) In the Cultural Distance Information section of the Form 2A you have indicated the distance to the nearest Building Unit is 3008 feet and the nearest Building is 3,178 feet. Because Building Units are a specific type of Building as defined in our Rules, a Building Unit will never be closer to an oil and gas location than a Building. This is explained in the Instructions that appear to the right of the Cultural Distance Information on the Form 2A. Therefore I will change the distance for both the Building and Building Unit to 3008 feet on the Form 2A.

2) In the Water Resources section of the Form 2A you have given the basis for determining the depth to groundwater as the base of the Fox Hills Aquifer and have listed an estimated depth to groundwater of 1,170 feet. The purpose in providing an estimated depth to groundwater is to determine if shallow groundwater is present in the area of the oil and gas location. Should a spill or release of fluids occur at this location it is helpful to know if shallow groundwater is present which could be impacted. Its is very unlikely that a surface release or spill at this location will impact the Fox Hills Aquifer located a thousand feet deep. Your basis should be how you determined how shallow groundwater is at the oil and gas location. During my review, I identified a nearby water well (Permit #237186). A review of this well's permit indicates the depth to groundwater is approximately 80 feet. This water well is at an elevation approximately 20 feet lower than the oil and gas location, so the estimated depth to groundwater at the oil and gas location is approximately 100 feet. I will change the estimated depth to groundwater on the Form 2A from 1,170 feet to 100 feet and modify the statement concerning the basis for depth to groundwater to what I have used above.

3) In the Facilities section of the Form 2A you have indicated that two Temporary Large Volume Above Ground Storage Tanks will be used at the oil and gas location. I suspect these are actually skid mounted 500 barrel frack tanks we talked about in our phone conversation this morning. Please confirm if this is the case and if so I will change the Facilities section to reflect this.

If you have any questions, please feel free to contact me. Thank you.

—

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area
Colorado Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver, CO 80203

doug.andrews@state.co.us

303-894-2100 Ext. 5180

Kucera, Lauren <Lauren.Kucera@anadarko.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Fri, Sep 27, 2013 at 11:06 AM

Hi Doug,

- 1.) Thank you for changing this. I am sorry I did not catch that.
- 2.) Thank you for changing this.
- 3.) These are in fact two skid mounted 500 barrel frac tanks used for the pre-spud rig. Thank you for changing this.

Thank you,

Lauren Kucera

From: Andrews - DNR, Doug [mailto:doug.andrews@state.co.us]
Sent: Friday, September 27, 2013 10:56 AM
To: Kucera, Lauren
Subject: Form 2A review for Kerr-McGee's BADDING 34N-2HZ location - Doc #400473840

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Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Toby Sachen - DNR <toby.sachen@state.co.us>

Fri, Sep 27, 2013 at 11:08 AM

Here is another email I just sent to Kerr-McGee that has a change to the Cultural Information.
Sorry I forgot to copy you on it to begin with.

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Sachen - DNR, Toby <toby.sachen@state.co.us>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Fri, Sep 27, 2013 at 11:16 AM

Thanks.

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[Toby Sachen -Northeast Colorado Permitting](#)
[Colorado Oil and Gas Conservation Commission](#)
[Phone:\(303\) 894 2100 ext.5141](#)

FAX: (303) 894 2105

E-mail: toby.sachen@state.co.us