

**STATE OF
COLORADO**

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

Form 2A review for Kerr-McGee's BADDING TANK BATTERY 35N-2HZ - Doc #400475445

3 messages

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: "Light, Cheryl" <cheryl.light@anadarko.com>

Fri, Sep 27, 2013 at 10:25 AM

Cheryl,

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 1627 feet and the nearest Building is 1,910 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 1,627 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 1,111 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 water well (Permit #49000-MH) located approximately 3,140 feet southeast of the oil and gas location. A review of this well's permit indicates the depth to groundwater is approximately 17 feet. This water well is at an elevation approximately 30 feet lower than the oil and gas location, so the estimated depth to groundwater at the oil and gas location is approximately 47 feet. I will change the estimated depth to groundwater on the Form 2A from 1,111 feet to 47 feet and modify the statement concerning the basis for depth to groundwater to what I have used above.

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

—
Doug Andrews

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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 10:28 AM

Toby, I meant to copy you on this email to Kerr-McGee. I will make a change in the Cultural

Distance section of the Form 2A. See my Comment #1 above for details.

[Quoted text hidden]

Sachen - DNR, Toby <toby.sachen@state.co.us>

Fri, Sep 27, 2013 at 11:06 AM

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

I am glad you clarified that question about the building and building unit. When I reviewed this tank battery, I did ask a co-worker exactly that question and was told they are different. Good to know that a building unit is considered a building and cannot be closer than a building. Makes sense, and it was worthwhile to get copied on this email.

Thanks,

Toby

[Quoted text hidden]

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[Toby Sachen -Northeast Colorado Permitting](#)

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