

**STATE OF
COLORADO**

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

Form 2A review for Kerr-McGee's HOWARD 9C-22HZ location - Doc #400457363

2 messages

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

Tue, Sep 10, 2013 at 3:22 PM

To: "Abrams, Laura" <laura.abrams@anadarko.com>

Laura,

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

1) A review of your Location Drawing indicates the proposed operational disturbance area will overlap onto the 61 Tassel fine sandy loam, 5-20% slopes and the 82 Wiley-Colby complex, 1-3% slopes NRCS Soil Map Units. Therefore I will add them to the list of NRCS Soil Map Units in the Soils section of the Form 2A. Additionally, please send me the NRCS Map Unit Descriptions for these two soil units and I will add them to the list of Attachments for the Form 2A.

2) A review of the nearest water well permit #53350 indicates that this domestic water well's perforated casing ranges from a depth of 620 feet to 720 feet. Therefore, the reported static water level of 350 feet in this water well is likely not indicative of the uppermost groundwater zone in the area of the oil and gas location. A review of nearby water well permit #291339 indicates it is a monitoring well with a screened interval of 24 feet to 34 feet and a static water level of 29 feet. Therefore I will change the Water Resources section of the Form 2A to indicate the depth to ground water in the area of the oil and gas location is 29 feet.

Please feel free to contact me if you have any questions. Thank you.

—

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area
Colorado Oil & Gas Conservation Commission
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Kucera, Lauren <Lauren.Kucera@anadarko.com>

Wed, Sep 18, 2013 at 3:09 PM

To: "doug.andrews@state.co.us" <doug.andrews@state.co.us>

Hi Doug,

- 1.) Attached are the additional NRCS map unit descriptions.
- 2.) I agree.

Please let me know if you have any other questions.

Thank you,

Lauren Kucera

Regulatory Affairs – Rockies GWA

Anadarko Petroleum Corporation

(720) 929-6107 - Direct

From: Abrams, Laura

Sent: Monday, September 16, 2013 11:36 AM

To: Light, Cheryl; Kucera, Lauren

Subject: FW: Form 2A review for Kerr-McGee's HOWARD 9C-22HZ location - Doc #400457363

Laura Abrams

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]

Sent: Tuesday, September 10, 2013 3:23 PM

To: Abrams, Laura

Subject: Form 2A review for Kerr-McGee's HOWARD 9C-22HZ location - Doc #400457363

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2 attachments



61-HOWARD 9C-22HZ NRCS.pdf

41K



82-HOWARD 9C-22HZ NRCS.pdf

42K