

From: [Kallasandra Moran](#)
To: [Allison, Rick](#)
Subject: RE: Ward Petroleum - WPC Federal 14-5 Form 2A 400175151
Date: Tuesday, October 25, 2011 9:19:07 AM
Attachments: [image001.png](#)

Rock,

Correct.

Thanks!

Kallasandra M. Moran
Regulatory Manager
[Petroleum Field Services](#)
Office: 303-928-7128 ext 236
Cell: 720-903-6686
Fax: 303-962-6237
1801 W. 13th Ave.
Denver, CO 80204



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From: Allison, Rick [<mailto:Rick.Allison@state.co.us>]
Sent: Tuesday, October 25, 2011 9:19 AM
To: Kallasandra Moran
Subject: RE: Ward Petroleum - WPC Federal 14-5 Form 2A 400175151

Kallasandra,

Does the response to question 2 mean that 1 drilling pit is the only pit that will be constructed on the location and should be the only pit listed on the Form 2A?

Rick

From: Kallasandra Moran [<mailto:kmoran@petro-fs.com>]
Sent: Tuesday, October 25, 2011 9:09 AM
To: Allison, Rick
Subject: FW: Ward Petroleum - WPC Federal 14-5 Form 2A 400175151

Reference photos attached...

Thanks!

Kallasandra M. Moran
Regulatory Manager
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From: Kallasandra Moran
Sent: Tuesday, October 25, 2011 8:58 AM
To: Allison, Rick
Subject: RE: Ward Petroleum - WPC Federal 14-5 Form 2A 400175151

Rick,

See below in red please...

Thanks!

Kallasandra M. Moran
Regulatory Manager
[Petroleum Field Services](#)
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Please recycle and consider the environment before printing this email.

From: Allison, Rick [<mailto:Rick.Allison@state.co.us>]
Sent: Thursday, September 01, 2011 4:25 PM
To: Kallasandra Moran
Subject: Ward Petroleum - WPC Federal 14-5 Form 2A 400175151

Kallasandra,

The COGCC is reviewing the subject oil and gas location assessment and has the following concerns that need to be addressed prior to completing the review:

- 1) **Facilities:** No Drilling Pit is indicated on the Form 2A, nor is closed loop drilling indicated. Please clarify the drilling method and whether there will be a drilling pit at this location.
Ward will not be using a closed loop system. A drilling pit is required. Please update the 2A to reflect this.
- 2) **Facilities – Pits:** The Federal APD attached to the Form 2 makes reference to two drilling pits and a frac water reserve pit that will hold produced water. Any pit that holds produced water requires a Form 15 Pit Permit to be approved prior to placing produced water in the pit. Please clarify how many pits, if any, will be constructed on the location.
I will update the federal permit accordingly.
- 3) **Facilities:** Will a pump jack be placed on the location? If so will a gas or diesel motor also be placed on the location?
Yes, a pump jack will be utilized and a propane motor will be on location. Please update the 2A accordingly.
- 4) **Reference Area:** The land use is rangeland, but no Reference Area Pictures or Reference Area Map was provided. Please provide a Reference Area Map and Reference Area Pictures and I will attach them to the Form 2A.
Reference area map is attached. We have to re-create the doc for the photos, it'll be coming by end of day.
- 5) **Reclamation:** The Federal APD indicates that COGCC Rules allow a drilling pit to remain open up to one year. Note that drilling pits on non-crop land must be closed within six months after drilling and completion activities conclude.
I will update the federal permit accordingly.
- 6) **Produced Water Disposal Conditions of Approval:** Based on current COGCC records and aerial photography, a pit complex exists at the dry and abandoned UPRC Anderson 15-1 well location in the NENE Section 15. It appears this pit complex serves as the disposal point for the produced water from the facilities located at the Federal 14-1 location. With the addition of the proposed Federal 14-5 well to this pit complex, COGCC will apply the following conditions of approval to this Form2A:
COA 1: Submit a Form 26 Source of Produced Water for Disposal that includes all wells, including the proposed Federal 14-5, served by the Federal 14-1 tank battery and pit complex within 60 days of producing the Federal 14-5 well.

COA 2: Submit a sample of produced water for analysis for BTEX and TPH by an accredited laboratory and submit results to the COGCC within 60 days of approval of this Form 2A.

This is fine, the 14-5 will utilize the same complex.

Please contact me with any questions regarding this Form 2A.

Best Regards,

Rick Allison, P.G.
Oil and Gas Location Assessment Specialist
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, CO 80203
303-894-2100 ext 5102