

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Tuesday, January 17, 2012 2:53 PM
To: Kubeczko, Dave
Subject: FW: Antero Resources, Gentry B Pad, SENW Sec 17 T6S R92W, Garfield County, Form 2A (#400231814) Review

Categories: Orange - Operator Correspondence

Scan No 2034126 CORRESPONDENCE 2A#400231814

From: Hannah Knopping [mailto:hknopping@anteroresources.com]
Sent: Monday, January 09, 2012 5:07 PM
To: Kubeczko, Dave
Cc: Shauna Redican
Subject: RE: Antero Resources, Gentry B Pad, SENW Sec 17 T6S R92W, Garfield County, Form 2A (#400231814) Review

Dave,

Thanks for making that change. Antero does concur with the conditions of approval that you have proposed for the **Gentry B pad**.

Have a good evening,

Hannah Knopping

Permit Representative

Antero Resources

1625 17th Street

Denver, CO 80202

Office: (303) 357-6412

Cell: (720) 985-6647

From: Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]
Sent: Monday, January 09, 2012 4:50 PM
To: Hannah Knopping
Subject: RE: Antero Resources, Gentry B Pad, SENW Sec 17 T6S R92W, Garfield County, Form 2A (#400231814) Review

Hannah,

Please see change below. Thanks.

Dave

From: Hannah Knopping [mailto:hknopping@anteroresources.com]
Sent: Monday, January 09, 2012 3:14 PM
To: Kubeczko, Dave
Cc: Shauna Redican
Subject: RE: Antero Resources, Gentry B Pad, SENW Sec 17 T6S R92W, Garfield County, Form 2A (#400231814) Review

Hi Dave,

Our environmental and regulatory manager asked whether COA 23 could be changed to reference monthly inspections rather than every 14 days. Let me know if that is acceptable. If so, we will go ahead and send a separate email concurring with COA's.

Let me know, thanks!

Hannah Knopping

Permit Representative

Antero Resources

1625 17th Street

Denver, CO 80202

Office: (303) 357-6412

Cell: (720) 985-6647

From: Kubeczko, Dave [<mailto:Dave.Kubeczko@state.co.us>]

Sent: Thursday, December 29, 2011 10:34 AM

To: Hannah Knopping

Subject: Antero Resources, Gentry B Pad, SENW Sec 17 T6S R92W, Garfield County, Form 2A (#400231814) Review

Hannah,

I have been reviewing the Gentry B Pad **Form 2A** (#400231814). COGCC would like to attach the following conditions of approval (COAs) based on the data and information Antero has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

1. **General Site:** The following conditions of approval (COAs) will apply:

COA 5 - Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried pipelines.

COA 9 - Any pit constructed to hold fluids (reserve pit, production pit, frac pit; except for flare pit, if built) must be lined, or a closed loop system (as indicated by operator on the Form 2A) must be implemented.

COA 23 - Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (**monthly inspections**), and maintained in good condition.

COA 38 - The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if drill cuttings are to remain/disposed of onsite, or to be recycled and used offsite, the drill cuttings must also meet the applicable standards of table 910-1.

COA 25 - Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

COA 58 - Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

COGCC would appreciate your concurrence with attaching these COAs to the Form 2A permit prior to passing the OGLA review. If you have any questions, please do not hesitate to call me at (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG
Oil and Gas Location Assessment Specialist

Colorado Oil & Gas Conservation Commission
Northwest Area Office
707 Wapiti Court, Suite 204
Rifle, CO 81650
Phone: (970) 625-2497x5
FAX: (970) 625-5682
Cell: (970) 309-2514
dave.kubeczko@state.co.us



 *Please consider the environment before printing this e-mail*