

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Monday, May 14, 2012 2:35 PM
To: Kubeczko, Dave
Subject: FW: Antero Resources, River Ranch C Pad, NESW Sec 8 T6S R92W, Garfield County, Form 2A (#400273409) Review

Categories: Orange - Operator Correspondence

Scan No 2034342 CORRESPONDENCE 2A#400273409

From: Shauna Redican [<mailto:sredican@anteroresources.com>]
Sent: Wednesday, April 25, 2012 2:42 PM
To: Kubeczko, Dave
Subject: RE: Antero Resources, River Ranch C Pad, NESW Sec 8 T6S R92W, Garfield County, Form 2A (#400273409) Review

Dave,

Antero concurs with the COGCC proposed COAs for the River Ranch C Pad Expansion (Amended Form 2A). Please feel free to contact me with any questions.

Shauna Redican
Permit Representative
Antero Resources
1625 17th Street
Denver, CO 80202
Office: (303) 357-6820
Cell: (720) 299-4495

From: Kubeczko, Dave [<mailto:Dave.Kubeczko@state.co.us>]
Sent: Sunday, April 22, 2012 6:45 PM
To: Shauna Redican
Subject: Antero Resources, River Ranch C Pad, NESW Sec 8 T6S R92W, Garfield County, Form 2A (#400273409) Review

Shauna,

I have been reviewing the River Ranch C Pad **Form 2A** (#400273409). COGCC would like to attach the following conditions of approval (COAs) based on the information Antero Resources has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

1. **General:** The following conditions of approval (COAs) will apply:
 - COA 23** - Operator must ensure 110 percent 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, and maintained in good condition.
 - 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 permanent pipelines.

COA 25 - If the well is to be hydraulically stimulated, 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 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, they must also meet the applicable standards of table 910-1.

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

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