

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Tuesday, September 20, 2011 10:05 AM
To: Kubeczko, Dave
Subject: FW: EnCana Oil & Gas (USA), H29OU 8SR96 29NESE Water Transfer Pad, SENE Sec 29 T8S R96W, Mesa County, Form 2A (#400196689) Review

Categories: Orange - Operator Correspondence

Scan No 2034019

OPERATOR CORRESPONDENCE and OPERATIONS DETAILS

2A#400196689

From: Curran, Nick [<mailto:Nick.Curran@encana.com>]

Sent: Tuesday, September 20, 2011 9:46 AM

To: Kubeczko, Dave

Subject: RE: EnCana Oil & Gas (USA), H29OU 8SR96 29NESE Water Transfer Pad, SENE Sec 29 T8S R96W, Mesa County, Form 2A (#400196689) Review

Hi Dave,

Here are some answers to the questions you had about the water transfer pad. I hope this will help. Please let me know if I can provide anything additionally.

Thanks so much for all you help,

Nick

Ryan,

Here are some things they have questions regarding the frac tank pad

-do we plan on having the tanks out there for longer than 3 years? At this time we do not intend to have the tanks on location for >3 years. [Mark B] Tanks will be on this site as needed for water storage. Continuous use of this site will be determined by our plans of development.

-are we sending water that has been used to frack back to those tanks after completions? Yes, after completions are complete on the K20OU, we will be pumping water back to the H29OU, then immediately transferring this water back to High Mesa to be treated.

-is there an 'operations plan'? I am not too sure what exactly the question is, but we have BMP (Best Management Practices) in place for water movement for completions. This transfer pad and all transfer pads we operate follow these guidelines

-are we using biocide in the water to reduce chances of H2S? There isn't a need for biocide to be added to the water that is sent to the H29OU (it will be a combination of treated water and fresh). Biocide is added to the water when it is pumped downhole the

well for the frac, so the water that comes back is already treated to reduce/eliminate H2S issues that could arise. Please wait for Mark to confirm the answer for this question.

[Mark B]

We use Biocide to control bacteria when the water is pumped down hole in the frac. We monitor and treat all water streams as needed if H2S is detected.

From: Kubeczko, Dave [\[mailto:Dave.Kubeczko@state.co.us\]](mailto:Dave.Kubeczko@state.co.us)

Sent: Monday, August 29, 2011 3:08 PM

To: Curran, Nick

Subject: EnCana Oil & Gas (USA), H29OU 8SR96 29NESE Water Transfer Pad, SENE Sec 29 T8S R96W, Mesa County, Form 2A (#400196689) Review

Nick,

I have been reviewing the H29OU 8SR96 29NESE Water Transfer Pad **Form 2A** (#400196689). COGCC would like to attach the following conditions of approval (COAs) to the Form 2A based on the data EnCana 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 frac tank water transfer/storage site during 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 location will be stabilized, inspected at regular intervals (every 14 days at a minimum), 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 permanent buried pipelines.

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
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