

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Thursday, June 14, 2012 7:28 AM
To: Kubeczko, Dave
Subject: FW: EnCana Oil & Gas (USA), UWF K04 596 Pad, NESW Sec 4 T5S R96W, Garfield County, Form 2A (#400278249) Review

Categories: Orange - Operator Correspondence

Scan No 2034403 CORRESPONDENCE 2A#400278249

From: Mitchell, Heather R. [mailto:Heather.Mitchell@encana.com]
Sent: Monday, June 11, 2012 4:22 PM
To: Kubeczko, Dave
Subject: RE: EnCana Oil & Gas (USA), UWF K04 596 Pad, NESW Sec 4 T5S R96W, Garfield County, Form 2A (#400278249) Review

Encana concurs with these COAs.

Heather Mitchell
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heather.mitchell@encana.com

From: Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]
Sent: Thursday, June 07, 2012 1:50 PM
To: Mitchell, Heather R.
Subject: EnCana Oil & Gas (USA), UWF K04 596 Pad, NESW Sec 4 T5S R96W, Garfield County, Form 2A (#400278249) Review

Heather,

I have been reviewing the UWF K04 596 Pad **Form 2A** (#400278249). COGCC would like to attach the following conditions of approval (COAs) based on the data EnCana Oil & Gas has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

1. **General:** COGCC's review indicates that the well pad location is approximately 265 feet to the west of the current edge of the area defined in the notice to operators (NTO) for drilling wells on the Roan Plateau in Garfield County. Due to the highly fractured nature of the surface material throughout the Roan Rim, this location will be designated a **sensitive area**, and 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 (at least every 14 days), and maintained in good condition.

COA 40 - The nearby hillside and and fill-material bermed portions (if present) of the pit must be monitored for any day-lighting of fluids throughout pit operations.

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.

COA 7 - There is the potential for shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.

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, the drill cuttings must also meet the applicable standards of table 910-1.

COA 26 - Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us), the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us), and the COGCC Field Inspector for Garfield County (Mike Longworth; email mike.longworth@state.co.us) 48 hours prior to start of pad construction, pit liner installation (if applicable), rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).

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.

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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