



Kubeczko - DNR, Dave <dave.kubeczko@state.co.us>

EnCana Oil & Gas (USA), DWU 64S96W / 34 SWNW Pad, SWNW Sec 34 T4S R96W, Garfield County, Form 2A (#400359604) Review

Kubeczko - DNR, Dave <dave.kubeczko@state.co.us>
To: Dave Kubeczko - DNR <dave.kubeczko@state.co.us>

Thu, Jan 24, 2013 at 9:11 AM

Scan No 2106500 CORRESPONDENCE 2A#400359604

----- Forwarded message -----

From: Lind, Jennifer R. <Jennifer.Lind@encana.com>
Date: Thu, Jan 24, 2013 at 8:46 AM
Subject: RE: EnCana Oil & Gas (USA), DWU 64S96W / 34 SWNW Pad, SWNW Sec 34 T4S R96W, Garfield County, Form 2A (#400359604) Review
To: Dave Kubeczko - DNR <dave.kubeczko@state.co.us>

Dave, the COA's are acceptable.

Jennifer Lind

Regulatory Analyst

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Encana Oil & Gas (USA) Inc.

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Please note some Encana offices are closed the first and third Friday of each month.

From: Dave Kubeczko - DNR [mailto:dave.kubeczko@state.co.us]
Sent: Monday, January 21, 2013 2:22 PM
To: Lind, Jennifer R.
Subject: EnCana Oil & Gas (USA), DWU 64S96W / 34 SWNW Pad, SWNW Sec 34 T4S R96W, Garfield County, Form 2A (#400359604) Review

Jennifer,

I have been reviewing the DWU 64S96W / 34 SWNW Pad **Form 2A** (#400359604). 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.

General: COGCC's review indicates that the well pad location is approximately 5816 feet to the north 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 91 - Notify the COGCC 48 hours prior to start of any new pad construction, 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 23 - Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations (as shown on the Construction Layout Drawings attachment); 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 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 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 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, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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 (preferably corrugated steel with poly liner) 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. In addition, could EnCana provide COGCC with the COAs and wildlife stipulations that BLM has attached to this location. 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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