

## Kubeczko, Dave

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**From:** Kubeczko, Dave  
**Sent:** Friday, January 28, 2011 10:45 AM  
**To:** Kubeczko, Dave  
**Subject:** FW: EnCana Oil & Gas (USA), Cook Martin 20-1D (PB-20) Pad, NWNE Sec 20 T7S R95W, Garfield County, Form 2A (#400124986) Review

Scan No 2033609      CORRESPONDENCE      2A#400124986

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**From:** Croteau, Jevin [mailto:Jevin.Croteau@encana.com]  
**Sent:** Friday, January 21, 2011 4:10 PM  
**To:** Kubeczko, Dave  
**Subject:** Re: EnCana Oil & Gas (USA), Cook Martin 20-1D (PB-20) Pad, NWNE Sec 20 T7S R95W, Garfield County, Form 2A (#400124986) Review

Dave, The COAs listed are okay for the subject location. Please let me know if you have any questions. Jevin  
Sent from my BlackBerry wireless handheld device.

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**From:** Kubeczko, Dave <Dave.Kubeczko@state.co.us>  
**To:** Croteau, Jevin  
**Sent:** Fri Jan 21 15:31:07 2011  
**Subject:** EnCana Oil & Gas (USA), Cook Martin 20-1D (PB-20) Pad, NWNE Sec 20 T7S R95W, Garfield County, Form 2A (#400124986) Review

Jevin,

I have been reviewing the Cook Martin 20-1D (PB-20) Pad **Form 2A** (#400124986). COGCC would like to attach the following conditions of approval (COAs) based on the information and the data EnCana has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

1. **Water Resources (Section 14):** Form 2A indicates the distance to the nearest surface water is 405 feet. COGCC guidelines require designating all locations within close proximity to surface water a **sensitive area** (which operator has already been indicated on the Form 2A). The following conditions of approval (COAs) will apply:
  - COA 4** - Location is in a sensitive area because of its proximity to surface water; therefore, 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., 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.
2. **General:** The following conditions of approval (COAs) will also apply:
  - COA 91** - Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email [dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email [shaun.kellerby@state.co.us](mailto:shaun.kellerby@state.co.us)) 48 hours prior to start of construction.
  - COA 6** - Reserve pit (if constructed) must be lined or a closed loop system (which operator has already been indicated on the Form 2A) must be implemented during drilling.
  - COA 25** - Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)). In addition, operator must implement odor controls during fracing operations.

**COA 26** - Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email [dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email [shaun.kellerby@state.co.us](mailto:shaun.kellerby@state.co.us)) 48 hours prior to start of fracing operations.

**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 44** - The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters. Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

**COA 46** - The surface soils and materials are fine-grained and highly unconsolidated; therefore the pad shall be constructed as quickly as possible and appropriate BMPs need to be in place both during, after well pad construction completion, as well as during all drilling and well completion operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.

**COA 58** - Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

3. **Residential:** Due to the proximity of this location to the Battlement Mesa PUD, the following conditions of approval (COAs) will also apply:

**COA R1** - Provide temporary engineering controls to prevent uncontrolled public access during drilling and completion activities. Site security shall include, but not be limited to, appointing a Health and Safety Officer that will be authorized to shut down operations at any time when health and safety risk is present.

**COA R2** - Provide temporary engineering controls to mitigate visual impacts and nuisance noise to nearby residences.

**COA R3** - Visual mitigation shall be used on production equipment and may consist of: low profile tanks, appropriate tank and production equipment color palette, vegetative visual buffer, and/or other visual buffering.

COGCC would appreciate your concurrence with attaching these COAs (items 1, 2, and 3) 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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