

## Kubeczko, Dave

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**From:** Kubeczko, Dave  
**Sent:** Thursday, November 19, 2009 9:33 AM  
**To:** Kubeczko, Dave  
**Subject:** FW: Kerr-McGee Wittemyer 41-2, SENE Sec 2 T2N R67W, Weld County, Form 2A #400007063 Review

Scan No. 2032656      CORRESPONDENCE      Form 2A #400007063

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**From:** Light, Cheryl [mailto:Cheryl.Light@anadarko.com]  
**Sent:** Thursday, November 19, 2009 9:28 AM  
**To:** Kubeczko, Dave  
**Subject:** RE: Kerr-McGee Wittemyer 41-2, SENE Sec 2 T2N R67W, Weld County, Form 2A #400007063 Review

I agree with what is stated below.

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**From:** Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]  
**Sent:** Thursday, November 19, 2009 9:26 AM  
**To:** Light, Cheryl  
**Subject:** FW: Kerr-McGee Wittemyer 41-2, SENE Sec 2 T2N R67W, Weld County, Form 2A #400007063 Review

## David A. Kubeczko, PG

### Oil and Gas Location Assessment Specialist

Colorado Oil & Gas Conservation Commission  
Northwest Area Office  
707 Wapiti Court, Suite 204  
Rifle, CO 81650  
Phone: (970) 625-2497x5  
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**From:** Kubeczko, Dave  
**Sent:** Tuesday, November 10, 2009 5:39 PM  
**To:** cheryl.light@anadarko.com  
**Subject:** Kerr-McGee Wittemyer 41-2, SENE Sec 2 T2N R67W, Weld County, Form 2A #400007063 Review

Cheryl,

I have been reviewing the Wittemyer 41-2 Form 2A (#400007063). COGCC requests the following clarifications regarding the data Kerr-McGee has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment.

1. **Water Resources (Section 14):** Form 2A indicates the distance to the nearest surface water is 245 feet. In addition, Form 2A indicates the depth to groundwater to be 14 feet bgs for a well located 1091 feet away (Permit No. 17836) from the proposed pad. COGCC's review indicates there is a water well (Permit No. 17836-Kiyota, domestic well) to the northwest, with a total depth of 65 feet bgs, a depth to groundwater of 24 feet bgs, and a pumping rate of 14 gpm. I believe this is the well you located. There are also other nearby water wells (Permit No. 833-R-Vincent, irrigation well, 934 feet to the southwest, total depth of 73 feet bgs, depth to groundwater of 23 feet bgs, pumping rate of 1200 gpm; Permit No. 882-WCB-Vincent, irrigation well, 955 feet to northeast, total depth of 41 feet bgs, depth to groundwater of 5 feet bgs, and pumping rate of 1400 gpm) that are screened in the shallow alluvial aquifer which indicate the potential for shallow groundwater at this proposed location. Although the depth to groundwater cannot be confirmed to be less than 20 feet bgs at this location, the potential exists for surface releases to reach groundwater due to the highly permeable nature of the unconsolidated materials in this area (loose sands and gravels); therefore, the following conditions of approval (COAs) will apply:

**COA 2** - Location may be in a sensitive area due to shallow groundwater; therefore if drilling pits intercept groundwater the pit must be lined or a closed loop system must be used.

**COA 4** - Location is in a sensitive area because of close proximity (less than 500 feet) to a flowing surface water stream/ditch,, therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

**COA 5** - Operator must implement best management practices to contain any unintentional release of fluids.

COGCC requires your written approval of these COAs prior to passing the OGLA review. If you have any questions, please do not hesitate to call me at (970) 625-2497 x5 (office) or (970) 309-2514 (cell), or email. Thanks.

Dave

**David A. Kubeczko, PG**  
**Oil and Gas Location Assessment Specialist**

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