

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Friday, February 26, 2010 1:48 PM
To: Kubeczko, Dave
Subject: FW: Bill Barrett Corp, Werner 44C-23-692, SWSE Sec 23 T6S R92W, Garfield County, Form 2A (#400030038) Review;

Scan No 2032891 CORRESPONDENCE 2A#400030038

From: Matt Barber [mailto:mbarber@billbarrettcorp.com]
Sent: Tuesday, February 23, 2010 7:50 AM
To: Kubeczko, Dave
Subject: RE: Bill Barrett Corp, Werner 44C-23-692, SWSE Sec 23 T6S R92W, Garfield County, Form 2A (#400030038) Review;

Hey Dave,

I have to apologize that I am just responding to this email regarding the COAs for the Werner 44C-23-692 PAD Form 2A. Indicated below in blue text are Bill Barrett Corp's response/concurrences to these COAs.

Please let me know if you have any questions or need any additional information.

Thank you,

Matt

From: Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]
Sent: Sunday, February 07, 2010 5:56 PM
To: Matt Barber
Subject: Bill Barrett Corp, Werner 44C-23-692, SWSE Sec 23 T6S R92W, Garfield County, Form 2A (#400030038) Review;

Matt,

I have been reviewing the Werner 44C-23-692 **Form 2A** (#400030038). COGCC requests the following clarifications regarding the data Bill Barrett Corp has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment.

1. **Facilities (Section 4):** Since 30 (500 bbls) temporary frac tanks will be onsite, the following condition of approval (COA) 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. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids. **BBC Response: Agreed**
2. **Water Resources (Section 14):** Form 2A indicates the depth to groundwater to be 35 feet bgs for a well located 160 feet from the proposed well. COGCC's review did not find a water well at this distance; can you confirm the location, owner, and depth (total and groundwater). However, COGCC's review did locate two other water wells, one water well (Permit No. 181026-Epperly, domestic well) located 560 feet to the southwest, with no well data; and one water well (Permit No. 201478-Cutright, domestic well) located 542 feet southeast, with no well data. However, since both of these wells are domestic wells, COGCC guidelines require designating all locations within 1/8 of a mile (less than 660 feet) of a domestic water well a **sensitive area**. The following conditions of approval (COAs) will apply:

COA 7 - Location is in a sensitive area because of proximity to a domestic water well and shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented. **BBC**

Response: Agreed.

COA 8 - Location is in a sensitive area because of proximity to a domestic water well; therefore production pits must be lined. **BBC Response: Agreed. All multi-well pits will be lined.**

3. **General:** Due to the potentially shallow depth to groundwater (35 feet bgs) and the potentially permeable nature of the near surface materials in this area, the following conditions of approval (COAs) will apply:

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. **BBC Response: Agreed.**

COA 39 - No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut. **BBC Response: Agreed.**

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) 625-2497 x5 (office) or (970) 309-2514 (cell), or email. Thanks.

Dave

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
FAX: (970) 625-5682
Cell: (970) 309-2514
dave.kubeczko@state.co.us



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