

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Wednesday, May 19, 2010 3:59 PM
To: Kubeczko, Dave
Subject: FW: Berry Petroleum, Chevron F13 697 Pad, Chevron 13-23D, SENW Sec 13 T6S R97W, Garfield County, Form 2A #400043620 Review

Importance: High

Scan No 2033129 CORRESPONDENCE 2A#400043620

From: Keidel, Jannette E. [mailto:JEK@bry.com]
Sent: Saturday, May 15, 2010 2:54 PM
To: Kubeczko, Dave
Subject: RE: Berry Petroleum, Chevron F13 697 Pad, Chevron 13-23D, SENW Sec 13 T6S R97W, Garfield County, Form 2A #400043620 Review
Importance: High

Dave,
Please see my comments in red.
Thank you,
Janni

Janni Keidel
Regulatory Agent
Berry Petroleum Company
1999 Broadway, Suite # 3700
Denver, Colorado 80202
303-999-4225 Direct line
303-999-4325 Direct Fax line

From: Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]
Sent: Saturday, May 15, 2010 1:49 PM
To: Keidel, Jannette E.
Subject: Berry Petroleum, Chevron F13 697 Pad, Chevron 13-23D, SENW Sec 13 T6S R97W, Garfield County, Form 2A #400043620 Review

Janni,

I have been reviewing the Chevron F13 697 Pad, Chevron 13-23D **Form 2A** (#400043620). COGCC requests the following clarifications regarding the data Berry Petroleum has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA).

1. **Water Resources (Section 14):** Form 2A indicates that the distance to the nearest water well is 6836 feet with a depth to groundwater of 200 feet bgs. COGCC's review did find one water well (Permit No. 282302-OXY WTP LP, monitoring well) located 7973 feet to southeast-east, with a total depth of 35 feet bgs and a depth to groundwater of 29 feet bgs. I believe this well is appropriate for defining groundwater conditions in this area. I can make the changes if you send an email with this request. **Please make this change.**
2. **General:** COGCC's review indicates that the well pad location is within 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 in the area around the Roan Rim, the following conditions of approval (COAs) will apply:
COA 9 - Reserve pit must be lined.

COA 40 - The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.

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.

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 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.

Berry Petroleum Company will comply to the above conditions.

3. **Notice to Operators (NTO) Drilling Wells on the Roan Plateau in Garfield County:** Comply with all provisions of the June 12, 2008 Notice to Operators (NTO) Drilling Wells Within ¼ Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements. At a minimum, the following condition of approval (COA) will apply:

COA 6 - All pits must be lined. **Berry Petroleum Company will comply to the above condition.**

COGCC would appreciate your concurrence with attaching these COAs to the Form 2A permit prior to passing the OGLA review. The other issue also needs to be addressed. 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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