

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Thursday, December 30, 2010 2:22 PM
To: Kubeczko, Dave
Subject: BMPs for the Berry I11 697 (2A#400103243) Well Pad
Attachments: I11 BMPs.doc

Scan No 2033556

PROPOSED WILDLIFE BMPs Berry I11 697

2A#400103243

From: Moran, Kallasandra M. [mailto:kmoran@bry-consultant.com]
Sent: Wednesday, December 22, 2010 9:48 AM
To: Warren, Michael
Cc: Kubeczko, Dave
Subject: FW: BMPs for the Chevron F06 696 well pad

Michael,

Per our conversation, Berry Petroleum would like to use the same BMP's proposed for the F06 pad for the I11 and the D05.

I have attached separate documents for ease of attaching to the permits.

Please let me know if there is anything else I can help you with.

Thanks!

Kallasandra M. Moran
Permit Agent
Berry Petroleum Company
1999 Broadway
Suite 3700
Denver, Colorado 80202

Phone: (303) 999-4225
Fax: (303) 999-4325
Email: KMoran@bry-consultant.com

Berry Petroleum Company Chevron I11 697 BMP's

- Company guidelines will be established to minimize wildlife mortality from vehicle collisions (posted speed limits, plus notification of all employees and contractors to drive cautiously and within those speed limits).
- Man camps will be considered for this location to reduce vehicle traffic.
- While the reserve pit is in use (it contains water) and the potential exists for mosquito breeding, the pit will be treated with Bti to prevent the potential spread of West Nile Virus.
- Berry will use early and effective reclamation techniques, including an aggressive interim reclamation program after drilling is completed, to return habitat to use by sage grouse as quickly as possible.

- Berry will reclaim/restore sage grouse habitat with native grasses, forbs, and shrubs, conducive to optimal sage grouse habitat. To that end, Berry will use a high diversity reclamation seed mix/CP-4D seed mix, approved by the CDOW and the surface owner.
- Berry will avoid the use of aggressive non-native grasses in sage grouse habitat reclamation.
- Vehicle parking will be restricted to disturbed areas.
- During pipeline installations, trench plugs or escape ramps will be installed to prevent the entrapment of wildlife, or restriction of wildlife movement.
- Berry will establish and implement policies to protect wildlife in general at the I11 697 well pad, including prohibitions on possession of firearms, exclusion of dogs, and prohibition of wildlife feeding. Bear-proof dumpsters will be used and site sweeps to verify all food-related trash is properly disposed of will also be carried out.

From: Freeman, Chris P.

Sent: Friday, December 17, 2010 11:17 AM

To: Moran, Kallasandra M.

Subject: RE: BMPs for the Chevron F06 696 well pad

Kally,

Let's propose the following BMPs to the DOW and COGCC (Kubeczko):

- Company guidelines will be established to minimize wildlife mortality from vehicle collisions (posted speed limits, plus notification of all employees and contractors to drive cautiously and within those speed limits).
- Man camps will be considered for this location to reduce vehicle traffic.
- While the reserve pit is in use (it contains water) and the potential exists for mosquito breeding, the pit will be treated with Bti to prevent the potential spread of West Nile Virus.
- Berry will use early and effective reclamation techniques, including an aggressive interim reclamation program after drilling is completed, to return habitat to use by sage grouse as quickly as possible.
- Berry will reclaim/restore sage grouse habitat with native grasses, forbs, and shrubs, conducive to optimal sage grouse habitat. To that end, Berry will use a high diversity reclamation seed mix/CP-4D seed mix, approved by the CDOW and the surface owner.
- Berry will avoid the use of aggressive non-native grasses in sage grouse habitat reclamation.
- Vehicle parking will be restricted to disturbed areas.
- During pipeline installations, trench plugs or escape ramps will be installed to prevent the entrapment of wildlife, or restriction of wildlife movement.
- Berry will establish and implement policies to protect wildlife in general at the F06 696 well pad, including prohibitions on possession of firearms, exclusion of dogs, and prohibition of wildlife feeding. Bear-proof

dumpsters will be used and site sweeps to verify all food-related trash is properly disposed of will also be carried out.

Let me know what you think. Thanks.

Chris Freeman

Regional Manager EH&S
Berry Petroleum Company
1999 Broadway, Suite 3700
Denver, CO 80202

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Fax: (303) 999-4401

From: Moran, Kallasandra M.
Sent: Wednesday, December 08, 2010 12:45 PM
To: Freeman, Chris P.
Subject: FW: BMPs for the Chevron F06 696 well pad

Chris,

Please respond with your comments as to how you would like me to proceed.

Thanks!

Kallasandra M. Moran
Permit Agent
Berry Petroleum Company
1999 Broadway
Suite 3700
Denver, Colorado 80202

Phone: (303) 999-4225
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Email: KMoran@bry-consultant.com

From: Warren, Michael [<mailto:Michael.Warren@state.co.us>]
Sent: Wednesday, December 08, 2010 12:07 PM
To: Moran, Kallasandra M.
Cc: Kaal, Kimberly; Freeman, Chris P.; Kubeczko, Dave; Warren, Michael
Subject: BMPs for the Chevron F06 696 well pad

Kallasandra,

I am in the process of reviewing the Form 2 A permit (#400114163) for the Berry – Chevron F06 696 well pad. The location of this pad is lot 11, S6, T6S, R96, 6PM, Garfield County, and is mapped by COGCC as Greater Sage-Grouse Production Area.

In my initial review I have found that the application does not contain any wildlife BMPs.

Do you (Berry) propose any BMPs that would be related to Greater Sage-Grouse Production Area?

Attached are several BMPs that Berry has proposed in the past.

Please let me know if you would like to submit them, or any revisions, additions, or substitutions you deem appropriate.

If you do submit any BMPs please send them to me and copy Dave Kubeczko at COGCC with the BMPs so he may add them to the Form 2A permit. His address is Dave.Kubeczko@state.co.us

- Berry will make a good faith effort to make well site visitations to the F06 696 pad to the period of 9:00 AM to 4:00 PM during the lekking season (March 1 to May 15).
- Company guidelines would be established to minimize wildlife mortality from vehicle collisions (posted speed limits, plus notification of all employees and contractors to drive cautiously and within those speed limits).
- Design wastewater pits to minimize retention of stagnant water. Immediately after drilling and completions are finished, the pit will be emptied and reclaimed.
- While the pit is in use (it contains water) and the potential exists for mosquito breeding, the pit will be treated with Bti to prevent the potential spread of West Nile Virus.
- Berry will use early and effective reclamation techniques, including an aggressive interim reclamation program, to return habitat to use by sage grouse as quickly as possible.
- Berry will reclaim/restore sage grouse habitat with native grasses, forbs, and shrubs, conducive to optimal sage grouse habitat.
- Berry will use a high diversity reclamation seed mix/approved CP-4D seed mix, approved by the CDOW and the surface owner.
- Avoid aggressive non-native grasses in sage grouse habitat reclamation.
- Vehicle parking will be restricted to disturbed areas.
- Man camps should be being considered for this site to reduce vehicle traffic.
- During pipeline installations, trench plugs or escape ramps will be installed to prevent the entrapment of wildlife, or restriction of wildlife movement.
- Berry should establish and implement policies to protect wildlife in general at the F06 696 well pad, including prohibitions on possession of firearms, exclusion of dogs, and prohibition of wildlife feeding. Bear-proof dumpsters will be used and site sweeps to verify all food-related trash is properly disposed of will also be carried out.

Thanks,

Michael Warren
 Land Use Specialist
 Colorado Division of Wildlife
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 (W) 970-255-6180
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