

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Friday, June 29, 2012 3:22 PM
To: Kubeczko, Dave
Subject: FW: CPW recommended BMPs for Quicksilver's Williams 31-30, and Stoddard CTB

Categories: Orange - Operator Correspondence, Dark Green - CDOW Pass

Scan No 2034441

CPW CORRESPONDENCE and PROPOSED BMPs

2A#400291226

From: Cindy Keister [<mailto:ckeister@qrinc.com>]
Sent: Friday, June 29, 2012 10:51 AM
To: Davidson, Jacob
Cc: Warren, Michael; Kubeczko, Dave
Subject: RE: CPW recommended BMPs for Quicksilver's Williams 31-30, and Stoddard CTB

Quicksilver agrees to the following BMP's for the referenced permits.

Cindy Keister
Director Regulatory Affairs
Quicksilver Resources
801 Cherry Street
Suite 3700, Unit 19
Fort Worth, Texas 76102

Direct Line: 817/665-5572
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From: Davidson, Jacob [<mailto:Jacob.Davidson@state.co.us>]
Sent: Friday, June 29, 2012 11:48 AM
To: Cindy Keister
Cc: Warren, Michael
Subject: CPW recommended BMPs for Quicksilver's Williams 31-30, and Stoddard CTB

Hello Cindy,

Listed below are CPWs recommended best management practices for Williams 31-30, and Stoddard CTB.

Pad location: **Williams 31-30, T 6 N, R 87 W, section 30 at 40.453575, -107.190372**
Document #: **400290381**

Wildlife concerns: The proposed pad location is within elk winter concentration area, greater sage-grouse preliminary priority habitat, and 2.0 miles from an active greater sage-grouse lek. Based on the above wildlife concerns, CPW recommends the following BMPs:

1. This location is mapped as an elk winter concentration area. Given that elk seldom use the surrounding habitat, CPW recommends no elk stipulations.

2. This location is within 4 miles of a greater sage-grouse lek. Given the surrounding habitat, CPW recommends no greater sage-grouse stipulations.
3. Muffle sound from compressors, pump jacks or other motors necessary to run operations at the site. If mufflers are used, point upward to dissipate sound and vibration.
4. Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location following COGCC Rule 1204 a-1.

Form 2A comments for this location are due on July 14, 2012.

Pad location: **Stoddard CTB, T 6 N, R 90 W, section 30 at 40.452072, -107.534858**

Document #: **400291226**

Wildlife concern: The proposed central tank battery is within Elk winter concentration Sensitive Wildlife Habitat. Based on the above wildlife concerns, CPW recommends the following BMPs:

1. Conduct construction activities outside the time period from December 1 through April 15 to minimize disturbance to Elk in their winter concentration area.
2. Restrict tank battery visitations to between the hours of 10:00 a.m. and 3:00 p.m. and reduce site visitations between December 1 and April 15 in elk winter range.
3. Establish company guidelines (policies) to minimize wildlife mortality from vehicle collisions on roads (post speed limits on private roads, conduct safety training, etc).
4. Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife if applicable on private roads.
5. Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation.
6. Avoid aggressive non-native grasses and shrubs in elk habitat restoration.
7. Reclaim elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
8. Reclaim site (interim and final) to match existing vegetation. CPW can assist the landowner and operator in recommending a site appropriate seed mix.
9. Establish bank stabilization, erosion control, and storm water management techniques for susceptible well pad cut and fill slopes.
10. Production equipment which has open-vent exhaust systems, such as heater treaters, separators, dehydration units, and flare stacks, shall be designed and constructed to prevent birds and bats from entering or nesting in or on such units, and to the extent practical, to discourage birds from perching on the exhaust stacks. COGCC Rule 604 b-7.
11. Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location following COGCC Rule 1204 a-1.
12. Muffle sound from compressors, pump jacks or other motors necessary to run operations at the site. If mufflers are used, point upward to dissipate sound and vibration.

Form 2A comments for this location are due on July 14, 2012.

CPW would appreciate your concurrence with the proposed BMP's for these locations. Please let me know if you have questions.

Thank you,

Jacob Davidson

Land Use Specialist

Colorado Parks and Wildlife

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