

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Tuesday, August 07, 2012 3:44 PM
To: Kubeczko, Dave
Subject: FW: Bmps for K-Diamond Ranch 42-17, and Welker 34-11 locations

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

Scan No 2034476

CPW CORRESPONDENCE and PROPOSED BMPs

2A#400296129

From: Cindy Keister [mailto:ckeister@qrinc.com]
Sent: Thursday, July 19, 2012 6:43 AM
To: Davidson, Jacob; Kubeczko, Dave
Cc: Warren, Michael
Subject: RE: Bmps for K-Diamond Ranch 42-17, and Welker 34-11 locations

Quicksilver agrees to the following BMP's for the K-Diamond Ranch 42-17 and the Welker 34-11 locations.

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

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From: Davidson, Jacob [mailto:Jacob.Davidson@state.co.us]
Sent: Wednesday, July 18, 2012 6:14 PM
To: Cindy Keister; Kubeczko, Dave
Cc: Warren, Michael
Subject: Bmps for K-Diamond Ranch 42-17, and Welker 34-11 locations

Hello again Cindy,

Listed below are CPWs recommended BMPs for the proposed K-Diamond Ranch 42-17 location.

Pad location: **K-Diamond Ranch 42-17, T 6 N, R 92 W, section 17 at 40.473275 , -107.736814**
Document #: 400294523

Wildlife concerns: The proposed pad location is within greater sage-grouse Preliminary General Habitat, 2.08 miles from an active greater sage-grouse lek (known as the "Round Bottom" lek), Pronghorn Antelope Winter Concentration Area, Elk Winter Concentration Area, and Mule Deer Critical Winter Range. Based on the above wildlife concerns, CPW recommends the following BMPs:

1. Where oil and gas activities must occur in mule deer critical winter range, elk winter concentration areas, conduct these activities outside the time period from December 1 through April 15.
2. Restrict post-development well site visitations to between the hours of 9:00 a.m. and 3:00 p.m. from December 1 to July 30, to accommodate big game winter ranges, and greater sage-grouse brood rearing.
3. Use hospital grade mufflers for compressors, pump jacks, or other motors necessary to run operations at the site. Mufflers will be pointed upward to dissipate potential vibration.
4. Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
5. Gate single purpose roads and restrict general public access to reduce traffic disruptions to wildlife.
6. 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.
7. Include a weed management plan and implement the plan as part of reclamation.
8. Avoid aggressive non-native grasses and shrubs in mule deer, elk and pronghorn antelope habitat restoration.
9. Reclaim mule deer, elk, and pronghorn antelope habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
10. Restore appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.
11. 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 23, 2012.

Listed below are CPWs recommended BMPs for the Welker 34-11 location.

Pad location: **Welker 34-11, T 6 N, R 92 W, section 11 at 40.479864 , -107.684242**
Document #: 400296129

Wildlife concerns: The proposed pad location is within greater sage-grouse Preliminary General Habitat, 3.71 miles from an active greater sage-grouse lek (known as the "Round Bottom" lek), Pronghorn Antelope Winter Concentration Area, Elk Winter Concentration Area, and Mule Deer Critical Winter Range. Based on the above wildlife concerns, CPW recommends the following BMPs:

1. Conduct oil and gas development activities outside the time period from December 1 through April 15 to minimize disturbance to mule deer, elk, and pronghorn antelope in their winter concentration area.
2. Restrict post-development well site visitations to between the hours of 10:00 a.m. and 3:00 p.m. and reduce well site visitations between December 1 and April 15 in mule deer critical winter range, elk winter concentration area, and pronghorn antelope winter concentration area.

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. Reclaim site (interim and final) to match existing vegetation.
7. 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 29, 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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