

## Kubeczko, Dave

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**From:** Kubeczko, Dave  
**Sent:** Wednesday, October 19, 2011 4:13 PM  
**To:** Kubeczko, Dave  
**Subject:** FW: K-Diamond 32-10 BMP list  
**Attachments:** K-Diamond 32-10.doc

**Categories:** Orange - Operator Correspondence

Scan No 2034035

CDOW CORRESPONDENCE and PROPOSED BMPs

2A#400195239

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**From:** Warren, Michael  
**Sent:** Monday, October 17, 2011 10:46 AM  
**To:** Cindy Keister; Kubeczko, Dave  
**Subject:** RE: K-Diamond 32-10 BMP list

Thank you. I will approve the permit right away.  
Michael

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**From:** Cindy Keister [<mailto:ckeister@qrinc.com>]  
**Sent:** Monday, October 17, 2011 10:26 AM  
**To:** Warren, Michael  
**Cc:** Lisa Smith ([lspermitco@aol.com](mailto:lspermitco@aol.com))  
**Subject:** FW: K-Diamond 32-10 BMP list

Quicksilver agrees to the attached BMP's.

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

Direct Line: 817/665-5572  
Cell: 682/429-3861

### K-Diamond 32-10.doc

Wildlife concern – Mapped greater sage-grouse lek, (RSO) elk winter concentration area, mule deer critical winter range and pronghorn winter concentration area (sensitive wildlife habitats).

### Greater Sage-grouse

CP&W recommendations and concerns

- 1) Quicksilver will construct the pad and drill the well outside of the period between March 1 and May 15 – lekking season.
- 2) Quicksilver will conduct post-development well site visitations to between the hours of 9:00 a.m. and 4:00 p.m. and reduce well site visitations between March 1 and July 30 – lekking and brood rearing period. Emergencies exempted.

- 3) Quicksilver will construct and or drill any subsequent wells outside the period between March 1 and May 15.
- 4) Quicksilver will 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.
- 5) Interim and final reclamation will match existing vegetation.
- 6) Quicksilver will include a weed management plan and implement the plan as part of reclamation.

#### **Mule Deer, Elk, & Pronghorn**

- 1) Where oil and gas activities must occur in mule deer critical winter range or 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. and reduce well site visitations between December 1 and April 15 in mule deer and elk winter range.
- 3) Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
- 4) Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.
- 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 mule deer, elk, and pronghorn habitat restoration.
- 7) Reclaim mule deer, elk, and pronghorn habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
- 8) Restore appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.

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**From:** Lisa Smith [<mailto:lspermitco@aol.com>]  
**Sent:** Friday, October 14, 2011 7:17 AM  
**To:** Cindy Keister  
**Subject:** Fw: K-Diamond 32-10 BMP list

Please let Michael and I know if these BMP's are ok with you

Lisa Smith

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**From:** "Warren, Michael" <[Michael.Warren@state.co.us](mailto:Michael.Warren@state.co.us)>  
**Date:** Thu, 13 Oct 2011 15:32:45 -0600  
**To:** <[LSPermitco@aol.com](mailto:LSPermitco@aol.com)>; Kubeczko, Dave<[Dave.Kubeczko@state.co.us](mailto:Dave.Kubeczko@state.co.us)>  
**Subject:** FW: K-Diamond 32-10 BMP list

Lisa,  
I would like to approve the 2A permit for this well pad. Are the BMPs acceptable to you?  
If so, please let me know.  
Thanks  
Michael

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**From:** Warren, Michael  
**Sent:** Tuesday, September 13, 2011 9:18 AM  
**To:** [LSPermitco@aol.com](mailto:LSPermitco@aol.com)

**Cc:** Kubeczko, Dave; Warren, Michael

**Subject:** K-Diamond 32-10 BMP list

Lisa,

Attached is the list of BMPs that CPW recommends for the 32-10 pad site.

This site and list is very similar (the same) as the 44-20

Please let me know if they are acceptable and if they are please include Dave Kubeczko at COGCC know as well. His email is [Dave.Kubeczko@state.co.us](mailto:Dave.Kubeczko@state.co.us)

Thanks

Michael Warren  
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Colorado Parks & Wildlife  
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