

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Wednesday, November 16, 2011 5:25 PM
To: Kubeczko, Dave
Subject: Quicksilver Resources, K-Diamond Ranch 43-23 Pad, NESE Sec 23 T6N R93W, Moffat County, Form 2A (#400187103) Review; CDPW Approved Wildlife BMPs

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

Scan No 2034066

CDOW CORRESPONDENCE and PROPOSED BMPs

2A#400187103

From: Cindy Keister [mailto:ckeister@qrinc.com]
Sent: Monday, November 14, 2011 10:51 AM
To: Warren, Michael
Cc: Kubeczko, Dave; Lisa Smith (lspermitco@aol.com)
Subject: FW: Quicksilver K-Diamond Ranch 34-10 and 43-23

Michael,

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

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

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From: LSPermitco@aol.com [mailto:LSPermitco@aol.com]
Sent: Monday, November 14, 2011 11:46 AM
To: Cindy Keister
Subject: Fwd: Quicksilver K-Diamond Ranch 34-10 and 43-23

Please let Michael and Dave know if you accept these BMP's. Thanks.

*Lisa Smith - President
PermitCo Inc. - PO Box 99 - Eastlake, CO 80614
303-857-9999 (office) - 303-324-9350 (cell) - 303-450-9200 (fax)*

From: Michael.Warren@state.co.us
To: LSPermitco@aol.com
CC: Dave.Kubeczko@state.co.us, Michael.Warren@state.co.us
Sent: 11/14/2011 10:44:34 A.M. Mountain Standard Time
Subj: Quicksilver K-Diamond Ranch 34-10 and 43-23

Lisa,

I am listing below wildlife BMPs for both pad locations. I do not know if I sent these BMPs to you for review; I think not because I don't have a record of it. Will you please review them and let me know if they are acceptable; they are similar or the same as for other locations with same wildlife habitats and concerns.

Please let me know and copy Dave Kubeczko at COGCC with an email if the BMPs are acceptable. Dave's email is Dave.Kubeczko@state.co.us

I will make the comments/recommendations to COGCC as soon as I hear back from you.

K-diamond Ranch 34-10

Greater Sage-grouse

CP&W recommendations and concerns

- 1) 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 - brood rearing period. Emergencies exempted.*
- 2) 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.*
- 3) Interim and final reclamation will match existing vegetation.*
- 4) 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.*

K-Diamond Ranch 43-23

Mule Deer, Elk, & Pronghorn

- 6) *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.*
- 7) *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.*
- 8) *Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.*
- 9) *Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.*
- 10) *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.*
- 8) *Avoid aggressive non-native grasses and shrubs in mule deer, elk, and pronghorn habitat restoration.*
- 9) *Reclaim mule deer, elk, and pronghorn habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.*
- 9) *Restore appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.*

Thank you.

Michael Warren

Land Use Specialist

Colorado Parks & Wildlife

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Grand Junction, CO 81505

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