

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Monday, June 20, 2011 10:45 AM
To: Kubeczko, Dave
Subject: FW: Winter Ridge Energy LLC, Iles Dome Unit 38 Pad, NWSE Sec 22 T4N R92W, Moffat County, Form 2A (#400151449) Review; CDOW Correspondence

Categories: Orange - Operator Correspondence

Scan No 2033869 **CDOW CORRESPONDENCE** **2A#400151449**

From: Warren, Michael
Sent: Monday, June 20, 2011 10:10 AM
To: Clayton Doke
Cc: Kubeczko, Dave
Subject: RE: Winter Ridge Iles Dome Unit 38

Thanks Clay,

This is very helpful in speeding up the permitting process.

I am forwarding this email to Dave Kubeczko at the Colorado Oil and Gas Conservation Commission so he has the information and can attach it to the permit.

Please let me know if you have any questions.

Michael

From: clay.doke@gmail.com [mailto:clay.doke@gmail.com] **On Behalf Of** Clayton Doke
Sent: Monday, June 20, 2011 9:46 AM
To: Warren, Michael
Cc: Kubeczko, Dave
Subject: Re: Winter Ridge Iles Dome Unit 38

Good Morning Michael,

My apologies on not getting back to you sooner. We agree with and approve of the BMP's as listed below for both Deer and Elk and Columbian Short Tailed Grouse in order to minimize adverse impacts to these wildlife species. Should you need anything else, please do not hesitate to let me know.

Thanks

Clay

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Clayton Doke
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On Wed, Jun 8, 2011 at 2:05 PM, Warren, Michael <Michael.Warren@state.co.us> wrote:

Clayton,

I am suggesting that the operator, Winter Ridge Energy LLC., use the following list of Best Management Practices (BMPs) for the Iles Dome Unit pad 38.

Also, I am including a document titled COLORADO DIVISION OF WILDLIFE'S *ACTIONS TO MINIMIZE ADVERSE IMPACTS TO WILDLIFE RESOURCES*, dated October 27, 2008 for your reference. The document is made-up of two parts; the first part is general overall and planning BMPs, the second part is comprised of species specific BMPs. I think you may find this helpful when reviewing well pad locations, especially using it in conjunction with COGCCs wildlife mapping page on the oil and gas web page.

The CDOW does recognize that the surface owner has final say over seed mix for final reclamation; however, we suggest using a seed mix that will work for the operator, surface owner and benefit wildlife.

If you agree to the listed BMPs please let me know via email and copy Dave Kubeczko at COGCC; his email is Dave.Kubeczko@state.co.us

Deer and Elk

- 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.
- 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 and elk winter range.
- Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.
- 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.
 - Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restoration.
 - Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
 - Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.

Columbian Sharp-Tailed Grouse

- Where oil and gas activities must occur within 1.25 miles of Columbian sharp-tailed grouse leks or within other mapped Columbian sharp-tailed grouse breeding or summer habitat, conduct these activities outside the period between March 15 and July 30.
- Restrict well site visitations to portions of the day between 9:00 a.m. and 4:00 p.m. during the lekking season (March 1 to June 1).
- Use noise reduction equipment on compressors and other development and production equipment.
 - Muffle or otherwise control exhaust noise from pump jacks and compressors so that operational noise will not exceed 49 dB measured at 30 feet from the source.

- Treat waste water pits and any associated pit containing water that provides a medium for breeding mosquitoes with Bti (*Bacillus thuringiensis v. israelensis*) or take other effective action to control mosquito larvae that may spread West Nile Virus to wildlife, especially grouse.
- Reclaim/restore Columbian sharp-tailed grouse habitats with native grasses and forbs conducive to optimal Columbian sharp-tailed grouse habitat and other wildlife appropriate to the ecological site.
- Avoid aggressive non-native grasses in Columbian Sharp-tailed Grouse habitat reclamation.
- A small percentage of the appropriate species of big sagebrush should be re-seeded on disturbed sites.
- Reclamation of breeding habitat should include a substantially higher percentage of forbs than other areas.

Michael Warren

Land Use Specialist

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