

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Wednesday, September 05, 2012 10:37 AM
To: Kubeczko, Dave
Subject: FW: Recommended BMPs for QRI's Lay Creek Facility

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

Scan No 2034520

CPW CORRESPONDENCE and PROPOSED BMPs

2A#400304735

From: Cindy Keister [mailto:ckeister@qrinc.com]
Sent: Wednesday, August 29, 2012 12:24 PM
To: Davidson, Jacob
Cc: Warren, Michael; Kubeczko, Dave; Todd Hutson; Harry Browne
Subject: FW: Recommended BMPs for QRI's Lay Creek Facility

Jacob,

Quicksilver agrees to the following CPW BMP's with the replacement of Numbers 1, 2, 3 and 5 with Quicksilver's statements in red:

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.

Where oil and gas activities must occur in mule deer critical winter range, elk winter concentration areas, Quicksilver Resources Inc. agrees to limit construction on this facility during the time period from December 1 through April 15.

2. Restrict post-development site 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 mule deer and elk winter range.

Quicksilver agrees to restrict visits to the site between the hours of 10:00 a.m. and 3:00 p.m. and between December 1 and April 15 whenever feasible. The site will not be manned fully but there will be times when operational conditions at the site require immediate attention.

3. Enclose compressor engines in buildings with insulated barrier walls to reduce noise from compressors and other development and production equipment.

Quicksilver agrees to be in compliance with Rule 802.c, "Noise Abatement", for a light industrial zone.

4. Use hospital grade mufflers for compressors, pump jacks, or other motors necessary to run operations at the site.
5. Employ other noise reduction features when possible, including: point mufflers upward to dissipate vibration, use multi-blade fan configuration on the cooling fan, and use electric power instead of relying on diesel fuel.

Quicksilver agrees to employ other noise reduction features whenever possible. This facility cannot rely on electric power for compression and will run on natural gas driven compression.

6. Use combustors, instead of traditional flare technology, to reduce avoidance of grouse and big game.
7. Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
8. Include a weed management plan and implement the plan as part of reclamation.
9. Reclaim greater sage-grouse, mule deer, and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
10. Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location, following COGCC Rule 1204 a-1.

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: Davidson, Jacob [<mailto:Jacob.Davidson@state.co.us>]
Sent: Monday, August 27, 2012 10:51 AM
To: Cindy Keister
Cc: Warren, Michael; Holmes, Brian; Kubeczko, Dave
Subject: Recommended BMPs for QRI's Lay Creek Facility

Hi Cindy,

In the interest of getting this permit through quicker, I'm forwarding this to you. I spoke with Tim White briefly about this matter last week, but haven't heard anything back from him just yet. Please see the email chain below for our recommended BMPs for the proposed Lay Creek Facility.

The proposed Facility is located within 4 miles of 4 greater sage-grouse lekking areas, and is also within the greater sage-grouse preliminary general habitat. The nearby lekking areas are currently inactive but grouse have been known to return and form leks at previously disturbed areas if ambient sound levels (and other factors) do not discourage them. Additionally, recently collected telemetry data indicates that greater sage-grouse seasonally use the surrounding intact sage community areas as well. As compressor stations tend to operate for a prolonged length of time, we included a number of recommendations to make the facility as quiet as possible, to minimize effects to greater sage-grouse.

CPW would appreciate your concurrence with the proposed BMPs. Form 2A comments for this location are due on September 10, 2012. Please let me know if you have questions.

Thank you,

Jacob Davidson
Land Use Specialist

Colorado Parks and Wildlife
Jacob.Davidson@state.co.us
Office: (970) 878-6069
Cell: (970) 756-5226

From: Davidson, Jacob
Sent: Friday, August 24, 2012 1:16 PM
To: Tim White (circlewltld@live.com)
Cc: Warren, Michael
Subject: RE: Lay Creek Facility

Tim,

Have any thoughts on Lay Creek facility BMPs? If not, then maybe sending these along to Cindy Keister is the next step on my end.

Thanks,
Jacob

From: Davidson, Jacob
Sent: Monday, August 20, 2012 2:26 PM
To: Tim White (circlewltld@live.com)
Cc: Warren, Michael
Subject: Lay Creek Facility

Tim,

As stated in our phone conversation, here are my initial thoughts on appropriate BMPs for the proposed compressor station. Most of the recommendations center around reducing operating noise from the facility whenever possible. I suppose Cindy Keister should be in the loop as well, as she has been my main contact in regards to BMPs, but thought I run these by you first.

Thanks,
Jacob

Listed below are CPWs recommended BMPs for the proposed Lay Creek Facility.

Compressor location: **Lay Creek Facility, T 7 N, R 93 W, section 12 at 40.572200, -107.775667**
Document #: 400304735

Wildlife concerns: The proposed compressor is within greater sage-grouse Preliminary General Habitat, 5.33 miles from an active greater sage-grouse lek (known as "Big Gulch#1"), less than 4 miles from 4 inactive greater sage-grouse lek locations. It is also within 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 site 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 mule deer and elk winter range.
3. Enclose compressor engines in buildings with insulated barrier walls to reduce noise from compressors and other development and production equipment.
4. Use hospital grade mufflers for compressors, pump jacks, or other motors necessary to run operations at the site.
5. Employ other noise reduction features when possible, including: point mufflers upward to dissipate vibration, use multi-blade fan configuration on the cooling fan, and use electric power instead of relying on diesel fuel.
6. Use combustors, instead of traditional flare technology, to reduce avoidance of grouse and big game.
7. Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
8. Include a weed management plan and implement the plan as part of reclamation.
9. Reclaim greater sage-grouse, mule deer, and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
10. Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location, following COGCC Rule 1204 a-1.