



Noto - DNR, John <john.noto@state.co.us>

Cascade Petroleum LLC, Fisher 13-9S-55W-01H, form 2A Document #400350310

3 messages

Noto - DNR, John <john.noto@state.co.us>
To: jdean@cascadepetroleum.com
Cc: Greg Deranleau - DNR <greg.deranleau@state.co.us>

Wed, Jan 2, 2013 at 12:11 PM

Jason,

The COGCC is reviewing the above-referenced Form 2A. In order to complete our review process, we need you to address the following:

1. Per COGCC Rule 303.d.(3)C. if no visible improvements are located within 400' of the proposed Oil and Gas Location, it must be so noted on the Form 2A or the location drawing. At your direction, I can add the following notation to the Form: "There are no visible improvements within 400' of the proposed Oil and Gas Location disturbance."
2. The proposed disturbance is listed as 1 acre prior to interim reclamation. Please confirm that 1 acre is sufficient for all drilling, completion and production equipment and pits (if necessary) for a horizontal well. If additional acreage will be needed, please indicate the actual disturbance size and I will make the change to the Form 2A.
3. Your Form 2A does not indicate that pits will be constructed, nor does it specify that closed loop drilling systems will be employed. Please indicate which method will be utilized and how many drilling pits--if any--will be constructed.
4. Please clarify the information regarding Mud Disposal. The Form 2A indicates that mud will be disposed onsite using land spreading (application). Please note, all E&P waste must be managed in accordance with Rule 907; drilling fluids are specifically addressed in Rule 907.d.
5. The proposed well location is in the Arikaree Designated Groundwater Management District and the Northern High Plains Designated Basin and per Rule 100, is defined as a Sensitive Area. With your approval, I will mark the "yes" box for sensitive area on the Form 2A.
6. The Form 2A indicates current and future land use will be Non-Crop Land (rangeland). Therefore, in accordance with Rule 303.d.(3)F.ii., Reference Area information is required to be submitted. At this time, a Reference Area will need to be selected and a map provided; within 12 months reference area photos will need to be submitted, via a Form 4 Sundry Notice.
7. The Form 2A indicates the distance in (feet) to nearest surface water is 2,300 feet, however, surface water is visible approximately 690 feet from the location behind dams on 1990s through 2011 aerial photos. With your approval, I can change the distance to surface water to 690 feet.
8. The Hydrology Map indicates "no visible surface water within 1000' of proposed well" however, as stated above, there is surface water within 1,000 feet. Please submit a revised hydrology map including distance and direction information to surface water. (measured distances from maps/photos are acceptable).

Conditions of Approval:

COGCC requests your concurrence on the following BMPs or COAs.

1. Please indicate if you are participating in the COGA baseline monitoring program. Otherwise, COGCC will attach the following Condition of Approval: "Operator will conduct initial baseline and follow-up groundwater testing in accordance with the provisions set forth by COGCC in its December 10, 2012 proposed Rule 609, or Rule 609 as adopted. The referenced proposal can be found on the COGCC website: http://dnrdensterling/RR_HF2012/Groundwater/StaffRevisedProposedRule60912072012.pdf."

Please respond in writing (e-mail) to this request. If you have any questions regarding these requests, please do not hesitate to contact me or you may contact me at 303-894-2100 extension 5168.

Thank you.

John Noto
Oil and Gas Location Assessment
Colorado Oil and Gas Conservation Commission

Sam Schuessler <sschuessler@cascadepetroleum.com> Thu, Jan 3, 2013 at 2:27 PM
To: "Noto - DNR, John (john.noto@state.co.us)" <john.noto@state.co.us>
Cc: Jason Dean <jdean@cascadepetroleum.com>, Bryan Bugg <bbugg@cascadepetroleum.com>

John

In response to the items to be addressed regarding the review of Form 2A for the Fisher 13-9S-55W-01H;

- 1) Please add your suggested notation to the form
- 2) The proposed disturbance area will be roughly 2.5 acres, not 1. Post-reclamation will be roughly 1 acre. Please change.
- 3) One (1) drilling pit will be constructed and a closed loop drilling system will not be employed. Please change.
- 4) Mud-disposal will be done in an "evaporate and bury" fashion, not land spreading. Please change.
- 5) If location is indeed in a sensitive area, than please update.
- 6) I have attached a Reference Area map and photos. Updated photos will be provided within 12 months when ground is clear and growing season has returned.
- 7) Those areas behind the dams are dry and were dry during the survey. If they are still to be considered surface water, please change distance to nearest surface water to 690 ft.
- 8) I have attached an updated Hydrology map to reflect #7.

In response to the BMPs/COAs to be addressed for the same location;

- 1) Cascade is not presently a participant in COGA program. Please attach proposed COA.

Sam Schuessler
Engineering Tech

Cascade Petroleum LLC

sshuessler@cascadepetroleum.com

(303) 407-6512

From: Noto - DNR, John [<mailto:john.noto@state.co.us>]

Sent: Wednesday, January 02, 2013 12:12 PM

To: Jason Dean

Cc: Greg Deranleau - DNR

Subject: Cascade Petroleum LLC, Fisher 13-9S-55W-01H, form 2A Document #400350310

Jason,

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Thank you.

John Noto

Oil and Gas Location Assessment

Colorado Oil and Gas Conservation Commission

3 attachments

 **REF AREA.pdf**
2338K

 **REF PICS.pdf**
1128K

 **HYDRO REV.pdf**
2340K

Noto - DNR, John <john.noto@state.co.us>
To: Rob Young - DNR <rob.young@state.co.us>

Fri, Jan 4, 2013 at 9:03 AM

[Quoted text hidden]

3 attachments

 **REF AREA.pdf**
2338K

 **REF PICS.pdf**
1128K

 **HYDRO REV.pdf**
2340K

