

Koepsell, Arthur

From: Lisa Pfizenmaier [lpfizenmaier@gwogco.com]
Sent: Monday, July 25, 2011 11:32 AM
To: Koepsell, Arthur
Cc: Tom Rand; garygpsteele@aol.com
Subject: RE: Bower 10-53 2A Document # 400188670, Great Western
Attachments: Bower 10-53 Plat.pdf

Arthur,

- 1) Our surveyor identified this center spot location as SESW, which is also how it was originally permitted several years ago. Attached is the surveyor plat. The APD submitted also references the SESW. I believe we would like to maintain that this center spot location is identified as the SESW quarter / quarter.
- 2) I agree that we can use the measurement to the concrete ditch of 820' as the distance to the nearest surface water.
- 3) I agree that depth to groundwater can be changed to 4'.
- 4) I agree that a "sensitive area" designation may be indicated due to depth to groundwater.
- 5) I agree to COA as stated. Closed loop system is indicated in the Construction section.

Thank you for your assistance.

Lisa Pfizenmaier
Permitting Technician
Great Western Oil and Gas Company
503 Main St.
Windsor, CO 80550
Phone: 970-686-8831 ext. 1
lpfizenmaier@gwogco.com

From: Koepsell, Arthur [<mailto:Arthur.Koepsell@state.co.us>]
Sent: Monday, July 25, 2011 10:58 AM
To: Lisa Pfizenmaier
Subject: Bower 10-53 2A Document # 400188670, Great Western

Lisa,

The COGCC is reviewing the Form 2A (#400188670) for the Great Western Oil and Gas Bower 10-53 location, located in the NESW Sec 10 T6N R67W Weld county, Colorado. The COGCC requests the following changes regarding the data submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA).

1. QTRQTR/LOT: Based on the footages provided on the Form 2A (1,355 feet from the South Line and 1,458 from the West line) the location would fall within the NESW instead of the SESW. Please confirm that the location is in the NESW.
2. Distance to nearest Surface Water: The distance to nearest surface water should be changed to 820 feet to reflect the presence of the irrigation ditch as shown on the attached hydrology map.

3. Depth to groundwater: Based on the water level for permit # 2309-F the depth to groundwater should be changed to 4 feet.
4. Sensitive Area Determination: Due to the presence of shallow groundwater and the presence of domestic water well within 660 feet the location is considered a sensitive area.
 - The sensitive area tab has been changed to “yes”.
5. Conditions of approval: Based on the presence of shallow groundwater the following COA will apply to the Bower 10-53 location.
 - Location is in a sensitive area due to shallow groundwater; therefore drilling pits may not be utilized on the location.

Please feel free to contact me if you have any questions or concerns regarding the proposed changes or COAs related to this location.

Thanks,

Arthur

Arthur W. Koepsell, P.G.
Oil & Gas Location Assessment Specialist
Southern Area

Oil and Gas Location Assessment
Colorado Oil and Gas Conservation Commission
1120 Lincoln St. Suite 801
Denver Colorado 80203
Phone (303) 894-2100 ext. 5148