

Hemenway, Sandy

Subject: FW: City of Meridian

From: Owsley, Dennis
Sent: Tuesday, January 21, 2014 10:46 AM
To: Hemenway, Sandy
Subject: City of Meridian well #25

Sandy

Per our discussion this morning, here is a summary of my thoughts:

- The well violates condition 9 on the permit that states "The right holder shall extend unperforated surface casing from land surface to a confining layer directly overlying the top of the aquifer open to the wells." This condition is violated as the well screened interval begins at 183 feet, in a sand and gravel sequence that extends from 105 to 194 feet.
- The well violates condition 10 on the permit, as the casing extends to a depth of 195 feet, not the minimum of 200 feet stipulated in the condition.
- The well violates condition 12 on the permit, as the screened interval is from 183 – 334 feet, above the specified "water bearing zone to be appropriated is 300 to 900 feet" (condition 12). The upper portion of the screen set at 183 feet is in a sand and gravel sequence that extends up to 104 feet below land surface. Therefore, by placing the screen within this water bearing zone, the well is capable of withdrawing water from the upper 105-194 foot water bearing zone.
- An agreement was made between the city of Meridian and the USBOR to resolve a protest associated with this permit. The final construction of the well violates the agreement that resolved the protest.
- The final construction of the well violates the affidavit for publication that stated the water bearing zone to be appropriated is 300 to 900 feet.
- Although the well was constructed with the screened interval as shallow as 183 feet below land surface, the diagram included in the water right file indicates that the well was drilled to over 700', with adequate producing water bearing zones below 500 feet, that if completed within this zone, would have satisfied the agreement with BOR and the conditions included on the permit. It does not appear that the shallow completion selected for the final construction of the well was the only option available, based on the well schematic included in water right file.

I hope this helps. Please let me know if you need additional information, more specifics, or anything else.

Dennis

Problems with Well # 25
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