

Kubeczko, Dave

Subject: FW: Pioneer Natural Resources, Panther 33-5, NWSE Sec 5 T33S R66W, Las Animas County, Form 2A (#400013831) Review
Attachments: Cut-Fill_Panther_33-5_(rev).pdf

Scan No 2032716 CORRESPONDENCE 2A#400013831

From: Kovacik, Georgina [mailto:Georgina.Kovacik@pxd.com]
Sent: Friday, December 18, 2009 1:12 PM
To: Kubeczko, Dave
Subject: RE: Pioneer Natural Resources, Panther 33-5, NWSE Sec 5 T33S R66W, Las Animas County, Form 2A (#400013831) Review

Hi Dave,

1. The post construction elevation was a mistake in our cut and fill plat. I attached the corrected one. The post construction elevation should be 7267' as well as the ground elevation is 7267'. Please make that change.
2. As for the static water level please change it to 55 ft and the water well permit number used for this is 116182. The COA's are also ok.

Thanks!

Georgina Kovacik
PNR

From: Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]
Sent: Wednesday, December 09, 2009 5:51 PM
To: Kovacik, Georgina
Subject: Pioneer Natural Resources, Panther 33-5, NWSE Sec 5 T33S R66W, Las Animas County, Form 2A (#400013831) Review

Georgina,

I have been reviewing the Panther 33-5 **Form 2A** (#400013831). COGCC requests the following clarifications regarding the data Pioneer has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment.

1. **Construction (Section 6):** The post-construction ground elevation (7999 feet msl) may be incorrect, based on the Survey Plat, which indicated that the ground surface elevation is 7269 feet msl. I can make the change if you send an email with this request.
2. **Water Resources (Section 14):** Form 2A indicates that the distance to the nearest surface water is 195 feet. Form 2A also indicates the depth to groundwater to be 200 feet bgs for a well located 710 feet away from the proposed pad. COGCC's review indicates there is another water well closer to the proposed well (Permit No. 160876-A-Walsh, domestic well) 478 feet to north, with a total depth of 102 feet bgs, a depth to groundwater of 20 feet bgs, and a pumping rate of 6 gpm. This water well is screened in the shallow alluvial aquifer which indicates the potential for shallow groundwater at this proposed location. I can make the change if you send me an email with this request. Due to the proximity of a domestic water well to the proposed well (less than 1/8 of a mile [660 feet]), COGCC guidelines require designating all locations within 1/8 of a mile of a domestic water well as a **sensitive area**. The following conditions of approval (COAs) will apply:
COA 4 - Location is in a sensitive area because of proximity to a domestic water well; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during

drilling and completion operations.

COA 5 - Operator must implement best management practices to contain any unintentional release of fluids.

COA 7 - Location is in a sensitive area because of proximity to a domestic water well; therefore either a lined drilling pit or closed loop system must be implemented.

COA 8 - Location is in a sensitive area because of proximity to a domestic water well; therefore production pits must be lined.

COGCC would appreciate your concurrence with attaching these COAs to the Form 2A permit prior to passing the OGLA review. The other issues are very minor and I would like to get this passed. If you have any questions, please do not hesitate to call me at (970) 625-2497 x5 (office) or (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG
Oil and Gas Location Assessment Specialist

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