

BRADFORD RANGER DISTRICT

OIL AND GAS INSPECTION REPORT

OGM Case Numbers: 243, 244 and 245 Date of Inspection: March 23, 2007
 Weather Conditions: Cloudy, 50's F Persons On-Site: None
 Warrant/Lot Number: Warrants 2752 & 2445 Mineral Owner/Leasee: Duhring Resource Company
 Lots 7, 8, 9, 12 & 13
 Project: To be determined Inspector: Weese and Wetzel
 Discussed Operation With: Only FS employees to date
 Equipment On-Site: None
 Activity On-Site: Proposed roads and wells were flagged/marked

INSPECTION ITEMS and RESOURCE CONCERNS

On March 20, 2007, the Bradford Ranger District received two well package proposals from Duhring Resource Company for Warrant 2752 - Lot 7 (10 wells) and Warrants 2445 and 2752 - Lots 8, 9 and 13 (17 wells). On March 22, 2007, the Bradford Ranger District received a well package proposal from Duhring for Warrant 2445 - Lots 9 and 12 (11 wells). By reviewing the maps submitted for these proposals and using GIS, the specialists had many resource concerns (scenery, soil, water, wildlife, and engineering) regarding these well proposals. On March 23, 2007, PW and AW performed an initial field review and made the observations noted below, and took several pictures (j:\fsfiles\office\2800_minerals_geology\2800_ogm_Brad\Projects_A-N\Duhring\Wts_2752_2445_Lots7_8_9_12_13_Pics).

Warrant 2752 - Lot 7

- Two proposed well locations 7-17 and 7-19 are visible from SR 948, a Concern Level 1 road in regards to scenery management. Three other proposed well locations (7-20, 7-21 and 7-22) quite possibly could be visible from SR948 if these areas are developed.
- Three proposed well locations 7-20, 7-21 and 7-22 are directly adjacent or have a minimal buffer to a wetland west of SR 948.
- Proposed well location 7-19 appeared to be approximately 100 feet from South Branch Tionesta Creek. Also, the access road is flagged in a very wet area.
- Proposed well location 7-18 is very close to and would be visible from the North Country Trail.
- Proposed well locations 7-13, 7-14, 7-15 and 7-16 were not field reviewed at this time because they appeared to far enough away from SR948, South Branch Tionesta Creek and the North Country Trail that their impacts could be mitigated using proper erosion and sedimentation controls.

Warrants 2445 and 2752 - Lots 8, 9 and 13

- The road layout for this well package, as viewed along FR148, is located on very steep side slopes (>45%). The proposed approach onto FR148 is very steep.
- Well locations that were not visible along FR148 were not reviewed, however, the entire proposed road appears to be located on terrain with a very steep side slope (>45%).

Warrant 2445 - Lots 9 and 12

Two proposed stream crossings on Rock Run (a HQ-CWF stream) are poorly placed, and the proposed access road does not meet standard best management practices (i.e. severe grade, unnecessary stream crossings, steep side slopes). Duhring has proposed to create a loop road to access

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proposed well locations D-25, D-26 and D-27, which would require these two stream crossings. The terrain to east of these crossings is too steep (>30%) to be able to construct an access road with an acceptable grade, and that would not cause significant impacts to the water quality of Rock Run. The proposed well locations appear to be within 150 feet of Rock Run on very steep terrain. Furthermore, the existing development is producing a lot of sediment. Silt fence has been placed within the channels of two spring seeps. Several of the culverts are undersized, filled with sediment, and/or above the grade of the ditchline.

- Proposed well D-13 appears to be approximately 100 feet or less from Rock Run.
- The proposed road to access proposed well locations D-28 and D-29 would be located on a very steep side slope (>45%). In addition, the proposed well location D-29 appears to be located within 100 feet of Rock Run.
- The proposed well locations of D-30, D-31, D-32, D-33 and D-34 are on the plateau top.
- At D-32, D-33 and D-34, "Shale Pit Expansion Well" is proposed. Duhring is proposing to expand an existing pit approximately 1,000 feet to the southwest for its development.

COMMENTS:*Warrant 2752 - Lot 7*

- **scenery concerns** along SR 948 and the North Country Trail
- **soil and water concerns** for the proposed well locations near South Branch Tionesta Creek and adjacent to the wetland area west of SR 948

Varrants 2445 and 2752 – Lots 8, 9 and 13

- **soil, water and safety concerns** due to the very steep side slope where the proposed access road would be located

Warrant 2445 - Lots 9 and 12

- **soil and water concerns** due to two stream crossings of Rock Run, roads and wells located near drainages, steep roads, and steep side slopes
- **safety concerns** due to steep side slopes

If the 15-day objection period begins on the day the Forest Service received the packages, the objection period for the submitted well packages would end on April 4 for Warrant 2752 - Lot 7 and Warrants 2445 and 2752 – Lots 8, 9 and 13, and on April 6 for Warrant 2445 - Lots 9 and 12.

Forest Service Inspector: 

Date: 3/24/07

Reviewed: _____