

Objective Criteria Review Memo – Mallard Exploration’s’ Goldeneye Center Pad Form 2A #402165402

This summary explains how COGCC staff conducted its technical review of the Mallard Exploration Goldeneye Center Pad, Form 2A #402165402 within the context of SB 19-181 and for the required Objective Criteria. This Form 2A permit application met the following Objective Criteria -

1. (Criteria 5c) The Location lies within a Sensitive Area for water resources (surface water feature 19 feet downgradient and estimated depth to groundwater is 19 feet).

COGCC staff met with the Director to discuss whether the Objective Criteria were sufficiently addressed and whether the Form 2A could be approved with the proposed Best Management Practices (BMPs) and applied Conditions of Approval (COAs). The following sections provide details regarding the evaluation of each criterion.

Criteria 5c: Oil and Gas Locations within a Sensitive Area for water resources

Site Specific Description of Applicability of Criteria 5c: Based on the technical review and desktop evaluation, staff identified a downgradient surface water feature approximately 19 feet northwest of the proposed Oil and Gas Location. The surface water feature is a mapped freshwater emergent low area that seasonally collects water. Also, the estimated depth to groundwater is 19 feet below ground surface.

Site Specific Measures to Address Criteria 5c: Mallard Exploration has provided Storm Water/Erosion Control, Leak Detection, automatic well shut-in, remote tank level monitoring, berm construction, and lined containment areas (during drilling and production) BMPs to address potential impacts to the nearby surface water feature and possible shallow groundwater.

Summary: Mallard Exploration provided BMPs that address the protection of the nearby surface water feature and possible shallow groundwater from potential impacts during drilling and production activities. The BMPs are sufficient to meet the standard for protection of public health, safety, welfare, the environment and wildlife resources set by SB 19-181.

Director Determination: Based on the Objective Criteria review. The Director has determined that this permit application meets the standard for protection of public health, safety, welfare, the environment and wildlife resources set by SB 19-181.