

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley		
Person(s) conducting inspection		
Site Information		
Location:	KP 33-18	Time:
Type of Facility:	Proposed New Well Pad	
Environmental Conditions	Winter conditions with ~10-20" of snow cover and snowing. Site visit not conducive for inspecting surface features, i.e. vegetation and surface water features.	
Temperature (°F)		

Has the proposed, new or existing location been designated as a sensitive area?

☐ Yes ☒ No

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility?

☒ Yes ☐ No

If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, seeps, springs, wetlands: An unnamed ephemeral drainage.

If yes, describe location relative to facility: It is located approximately 876 feet to the east of the proposed facility.

2. Could a potential release from the facility reach surface water features?

☐ Yes ☒ No

If yes, describe the pathway a release from the facility would likely follow to determine if the potential to impact surface water is high or low.

3. Is the potential to impact surface water from a facility release high or low?

☐ High ☒ Low

GROUNDWATER

Additional Comments:

The KP 33-18 is located within the COGCC Rule 317B external buffer zone ruling for the City of Silt's surface water supply area. From a surface water perspective, a release from the facility does not have the potential to enter the associated drainage within the 317B buffer zone.

When the 404 investigation was conducted in the fall of 2009, it was determined that the unnamed drainage to the east of the proposed facility exhibits ephemeral characteristics, and did not have evidence of surface flow even though it is declared an intermittent stream topographically.

The closest water well is approximately 2,420 feet to the north northwest in section 18 and has a known depth to groundwater of approximately 61 feet. The ground elevation for the well is approximately 120 lower than the proposed facility plus the additional 61 feet to the static water level well making it very unlikely that a potential release would impact groundwater.

A field visit was not conducted to evaluate surface water features and vegetation cover. Due to winter conditions, the area is still under a considerable amount of snow making onsite data collection impractical. Therefore the data collected for this sensitive area determination is based on the COGCC data base, State Engineers Office website, and the NRCS Web Soil Survey website via desktop review. The desktop review indicates that this location is not in a sensitive area.

When the weather permits, a field investigation will be conducted to confirm the desk top review.

Inspector Signature: _____



Date: 2/12/2010



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