

## Sensitive Area Determination Checklist

Williams Production RMT Company – Highlands		
<b>Person(s) conducting field inspection</b>	Ashlee Lane	8/18/10
	<i>Biologist</i>	
<b>Site Information</b>		
Location:	RG 24-14-298	Time: 1030
Type of Facility:	Existing well pad	
<b>Environmental Conditions</b>	Clear and calm	
Temperature (°F)	85°	

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: There is one unnamed ephemeral drainage.

If yes, describe location relative to facility: The unnamed ephemeral drainage 1,171 feet to the west of the existing 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

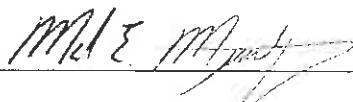
1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?  
☒ Yes      ☐ No  
If yes, List the pit type(s): Drilling pit.
2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?  
☐ Yes      ☒ No
3. Is the hydraulic conductivity of the underlying soil or geologic material  $\leq 1.0 \times 10^{-7}$  cm/sec?  
☒ Yes      ☐ No
4. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?  
☐ Yes      ☒ No
5. Is the proposed facility located within a 100 year floodplain?  
☐ Yes (*Sensitive Area*)      ☒ No (*If no, proceed to question #6.*)
6. Is the depth to groundwater known?  
☐ Yes (*If yes, follow instructions provided in 6(a) of this section.*)  
☒ No (*If no, follow instructions provided in 6(b) of this section.*)
  - (a) If yes, could a potential release from the proposed facility reach groundwater?  
☐ Yes      ☐ No  
If yes, explain:
  - (b) If no:
    - (i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.
    - (ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.
7. Is the potential to impact ground water from the facility in the event of a release high or low?  
☐ High      ☒ Low

**Additional Comments:**

During the site investigation, re-construction was occurring at this existing facility. The facility is situated on a fairly flat ridge top which then slopes to the east and west. There is an unnamed ephemeral drainage located 1,171 feet west of the facility. It is not anticipated that a release would reach this surface water feature due to the thick vegetation, access road and permanent Best Management Practices (BMPs) that currently reside between the facility and the drainage. It is recommended that when the re-construction has been completed; BMPs be re-installed around the western, northern and eastern perimeters of the facility to ensure site containment.

The vegetation in the area consists of Piñon/Juniper woodland along with sage brush and bunchgrass. There were no field indicators which indicated the presence of shallow ground water. No water well data was obtainable for this location from the State Engineer's office. However based on the topographical setting of the facility and the low permeability of the underlying bedrock it is not anticipated that groundwater would be impacted by a release on or off the facility.

With the findings presented within this sensitive area determination checklist, this facility can be designated as being in a non-sensitive area.

Inspector Signature(s):  Date: 8/20/2010

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 Date: 8/18/2010

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