

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley		
Person(s) conducting inspection	Ashlee Lane	7/29/10
Site Information		
Location:	PA 23-12	Time: 1500
Type of Facility:	Existing Well Pad	
Environmental Conditions	Cloudy; unsettled weather conditions; off and on rain showers.	
Temperature (°F)	90°	

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 are two unnamed ephemeral drainages.

If yes, describe location relative to facility: One unnamed ephemeral drainage is located 504 feet to the east and the other unnamed ephemeral drainage is located 784 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. A potential release, if it were to migrate off the facility, would occur through the existing storm drains on the northeastern and northwestern corners of the facility. The storm drain on the northeastern edge dumps into the low lying area and the storm drain on the northwestern corner of the facility would drain into the heavily vegetated area north of the facility.

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 5(a) of this section.*)
 No (*If no, follow instructions provided in 5(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:

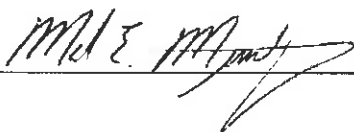
The existing well pad resides within the mountains south of the town of Parachute. The vegetation in the area consists mainly of oak brush, serviceberry, piñon, juniper, and sage brush. During the site investigation, the two unnamed ephemeral drainages identified on the USGS topographical map did not appear to be actively flowing ephemeral drainages. The drainage 784 feet to the west had a vegetated bottom and no signs of an ordinary high water mark (OHWM). The drainage 504 feet to the east did not show signs of flow nor an OHWM. Historically, these surface water features may have had flowing water or water flows through them further downstream. Best Management Practices (BMPs) are currently installed around the well pad facility in the form of a containment berm, diversion ditch and vegetative slash from construction. It is recommended that these BMPs be maintained during the life of the well pad. Due to the nature of these surface water features and the thick vegetative filter surrounding the well pad along with the presence of excellent BMPs, the potential to impact surface water has been identified as being low. In addition, during the drilling and completion process, the drainpipes which allow storm water to drain from the pad should be blocked or have the ability to be blocked to further ensure site containment in the event of a potential release.

It was noted during the site investigation that there are two (2) intermittent streams along the access road to the well pad and these should be noted for vehicular traffic. These drainages are not of concern for a potential release from the facility as they are too far away (greater than ¼ mile).

No field indicators were identified during the site investigation signaling the presence of shallow ground water. The nearest water wells in relation to the existing facility are located 2,845 feet to the northwest and have a known depth of 170 and 175 feet. These wells reside at an elevation roughly 500 feet lower than the elevation of the well pad. It is not anticipated that ground water is shallow in this area; therefore, the potential to impact ground water has been deemed low.

Per the findings of the sensitive area determination investigation the existing facility should be designated as being in a non-sensitive area.

Inspector Signature(s):



Date: 08/5/2010



Date: 08/02/2010