Sensitive Area Determination Checklist

	Willi	ams Production RMT Company	– Valley				
Person(s) conducti	ng inspec	tion					
Site Information							
Location:	KP 33-1	8	Time:				
THE CONTRACTOR OF THE CONTRACT		ed New Well Pad					
Environmental Conditions		Winter conditions with ~10-20" of	f snow cover and snowing. Site				
		visit not conducive for inspecting surface features, i.e. vegetation					
		and surface water features.					
			NAME OF THE PARTY				
Temperature (°F)							
Has the proposed, new or existing location been designated as a sensitive area? ☐ Yes X No							
		SURFACE WATER					
 Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility? X Yes □ No 							
If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, sceps, 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 pote ☐ Yes	ential relea X No	ase from the facility reach surface v	vater features?				
5 %		thway a release from the facility we surface water is high or low.	ould likely follow to determine if				
3. Is the potent ☐ High	ial to imp	act surface water from a facility rel X Low	ease high or low?				



GROUNDWATER

1.	Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes? X Yes □ No	S				
	If yes, List the pit type(s): Drilling pit and possibly an emergency flare pit.					
2.	is the site of the proposed facility underlain by an unconfined aquifer or recharge zone? If Yes X No					
3.	Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \text{x} 10^{-7}$ cm/sec?					
	□ Yes X 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? \square Yes \square X No					
5.	. Is the proposed facility located within a 100 year floodplain? ☐ Yes (Sensitive Area) X 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). X 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 sugge the presence of shallow groundwater. (ii) Gather information from surrounding well data in order to determine a 	st				
	depth to groundwater, i.e. State Engineers Office. (iii) Drill a soil boring to determine depth to groundwater or					
	(iv) Model hydro geologic conditions to determine if the potential to impact groundwater is high or low.					
7.	Is the potential to impact ground water from the facility in the event of a release high or low?					
	□ High X Low					



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:	Mil E. Myndy	Date: 2/12/2010
7-20		
	Ashlu hane	Date: 2/12/2010