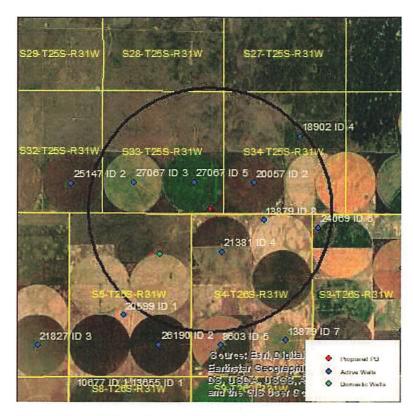
Evaluation of proposed move for Water Right No. 27067 ID5

Proposed: Move water right no. 27067 ID5 to a new well location, a distance of 1,364 ft to the southeast.



Wells within 1 mile: 27067 ID3, 20057, 18902, 21381, 13879, 24069, and a domestic well in section 5-26-31.

The saturated thickness at the proposed well location is estimated to be 111 ft, based upon the GMD3 model. For saturated thickness between 100 ft and 125 ft, the drawdown allowance is 2.5 ft.

50 year Theis Analysis: The following values were used to run the analysis:

S = 0.2879, T = 6327 ft²/day, $tp_{current} = 209$ days (based on average use and observed rate), $Q_{current} = 161$ gpm (based on 2022 field inspection), $tp_{proposed} = 56$ days, $Q_{proposed} = 1090$ gpm

Theis drawdowns were calculated as follows:

27067 ID3: Drawdown from current location = 1.17 ft

Drawdown from proposed location = 1.85 ft

Net drawdown = **0.7** ft

20057: Drawdown from current location = 1.17 ft

Drawdown from proposed location = 2.57 ft

Net drawdown = 1.4 ft

18902: Drawdown from current location = 0.81 ft

Drawdown from proposed location = 1.48 ft

Net drawdown = 0.7 ft

21381: Drawdown from current location = 1.05 ft

Drawdown from proposed location = 2.92 ft

Net drawdown = 1.9 ft

13879: Drawdown from current location = 1.01 ft

Drawdown from proposed location = 2.42 ft

Net drawdown = 1.4 ft

24069: Drawdown from current location = 0.75 ft

Drawdown from proposed location = 1.54 ft

Net drawdown = 0.8 ft

Domestic 5-26-31: Drawdown from current location = 1.01 ft

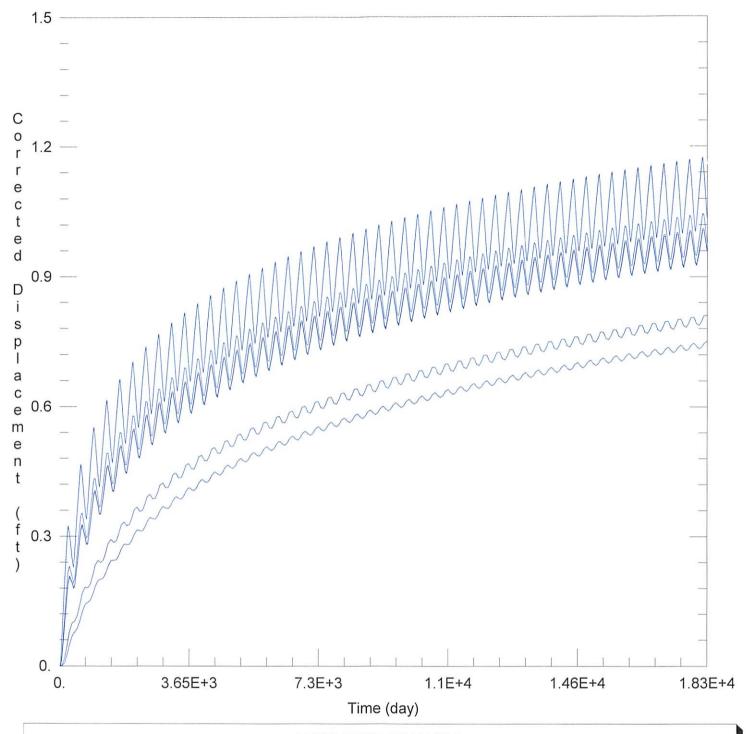
Drawdown from proposed location = 2.12 ft

Net drawdown = 1.1 ft

Net drawdown does not exceed the drawdown allowance of 2.5 ft for any well within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

The proposed move is likely to create minimal effects on neighboring wells and appears unlikely to cause impairment. Any concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023_moves\27067\27067 Current.aqt

Date: 01/03/24 Time: 15:42:45

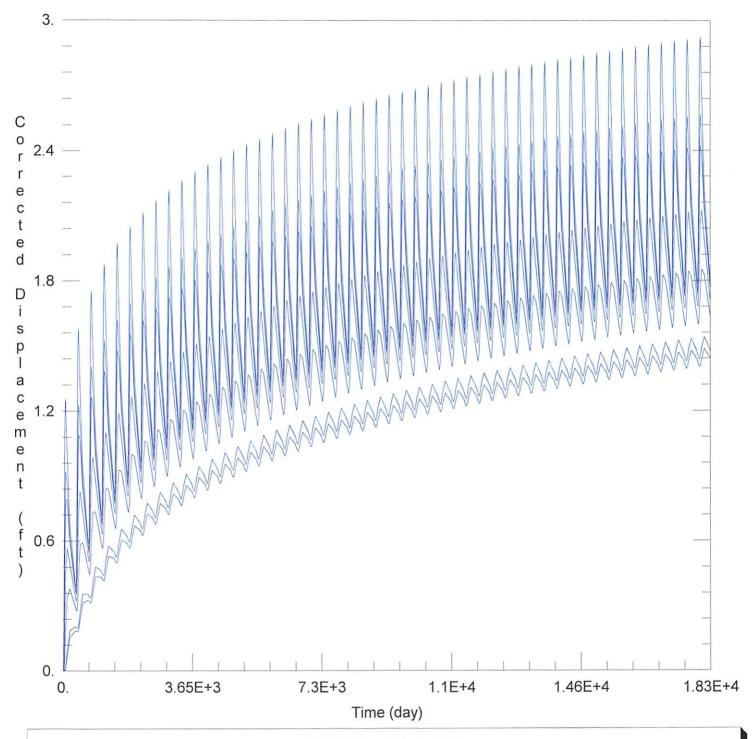
PROJECT INFORMATION

Company: GMD 3 Project: 27067

Location: Finney County

WELL DATA

Well Name Pumping Wells Y (ft) Y (ft)		Observation Wells			
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
27067 ID5	21755	348714		21755	348714
	•		77067 ID3	101/17	3/19715



WELL TEST ANALYSIS

PROJECT INFORMATION

Company: GMD 3 Project: 27067

Location: Finney County

WELL DATA

Pumping vveils			Observation vveils		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
27067 ID5	22458	347545		22458	347545
			- 27067 ID2	10147	2/2715