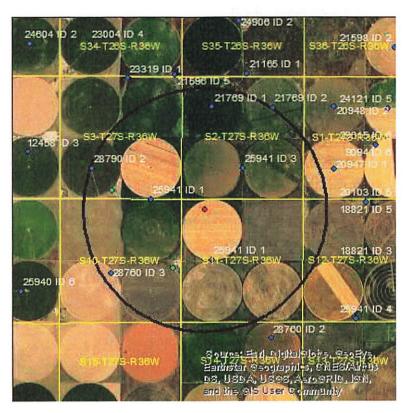
Evaluation of proposed move for Water Right No. 25941 S11 ID1

Proposed: Move water right no. 25941 S11 ID1 to a new well location, a distance of 2,205 ft to the northwest.



Wells within 1 mile: 25941 S10 ID1, 25941 ID3, 21769, 28760, 28790, a domestic well in section 3-27-36, and a domestic well in section 10-27-36.

The saturated thickness at the proposed well location is estimated to be 112 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 = 0.308, T = 20,193 ft²/day, $tp_{current} = 120$ days (assumed), $Q_{current} = 628$ gpm (based on average use at 120 days), $tp_{proposed} = 79$ days, $Q_{proposed} = 1550$ gpm

Theis drawdowns were calculated as follows:

25941 S10 ID1: Drawdown from current location = 0.97 ft

Drawdown from proposed location = 2.28 ft

Net drawdown = 1.3 ft

25941 ID3: Drawdown from current location = 0.90 ft

Drawdown from proposed location = 2.25 ft

Net drawdown = 1.4 ft

21769: Drawdown from current location = 0.68 ft

Drawdown from proposed location = 1.42 ft

Net drawdown = 0.7 ft

28760: Drawdown from current location = 0.87 ft

Drawdown from proposed location = 1.33 ft

Net drawdown = 0.5 ft

28790: Drawdown from current location = 0.68 ft

Drawdown from proposed location = 1.28 ft

Net drawdown = 0.6 ft

Domestic 3-27-36: Drawdown from current location = 0.78 ft

Drawdown from proposed location = 1.52 ft

Net drawdown = 0.7 ft

Domestic 10-27-36: Drawdown from current location = 1.55 ft

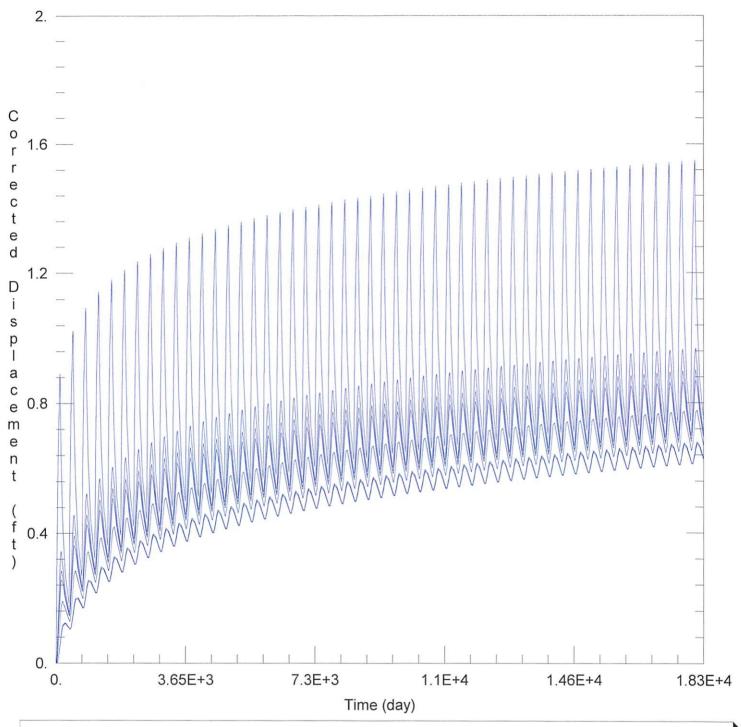
Drawdown from proposed location = 1.96 ft

Net drawdown = 0.4 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\2024_moves\25941\25941 Current.aqt

Date: 01/17/24 Time: 15:45:50

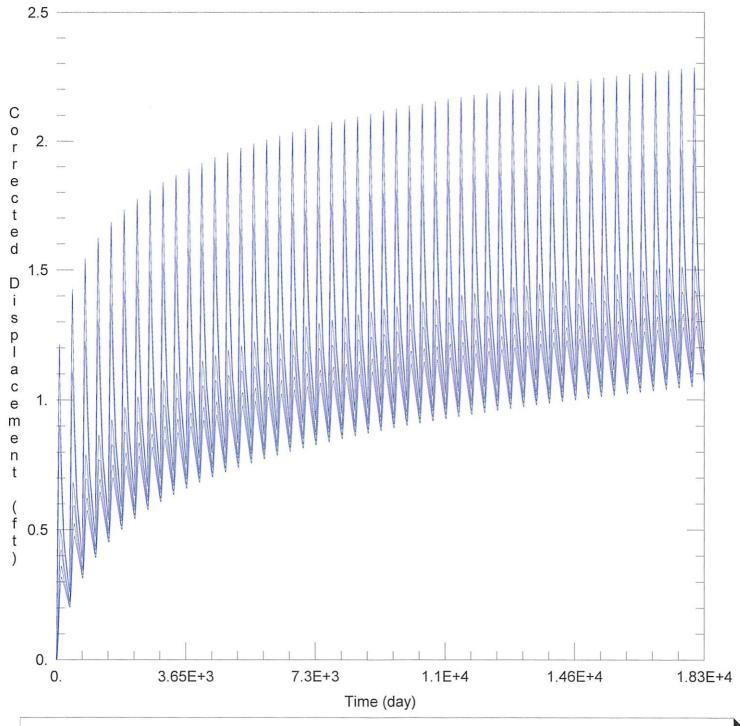
PROJECT INFORMATION

Company: GMD 3 Project: 25941

Location: Grant County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
25941 S11 ID1	-124707	305920	0	-124707	305920
		,	- 250/1 S10 ID1	-127350	308533



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2024_moves\25941\25941 Proposed.aqt

Date: 01/17/24 Time: 15:45:44

PROJECT INFORMATION

Company: GMD 3 Project: 25941

Location: Grant County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
25941 S11 ID1	-125021	308102	0	-125021	308102
	'		- 250/1 S10 ID1	127250	308533