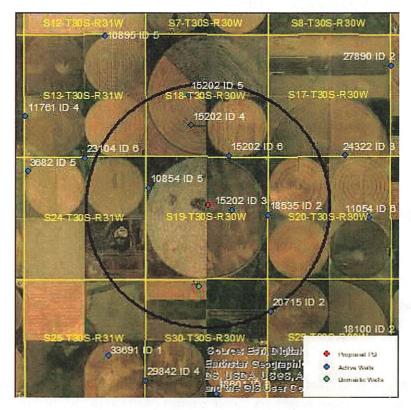
Evaluation of proposed move for Water Right No. 15202

Proposed: Move water right no. 15202 ID3 to a new well location, a distance of 1,056 ft to the northwest.



Wells within 1 mile: 15202 ID4, 15202 ID5, 15202 ID6, 10854, 18535, and a domestic well in section 30-30-30.

The saturated thickness at the proposed well location is estimated to be 151 ft, based upon the GMD3 model. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

S = 0.2419, T = 5383 ft²/day, $tp_{current} = 86$ days (based on average use and reported rate), $Q_{current} = 700$ gpm (based on 2019 water use report), $tp_{proposed} = 66$ days, $Q_{proposed} = 1840$ gpm

Theis drawdowns were calculated as follows:

15202 ID4:

Drawdown from current location = 1.95 ft

Drawdown from proposed location = 4.33 ft

Net drawdown = 2.4 ft

15202 ID5:

Drawdown from current location = 1.67 ft

Drawdown from proposed location = 3.57 ft

Net drawdown = 1.9 ft

15202 ID6: Drawdown from current location = 2.80 ft

Drawdown from proposed location = 5.77 ft

Net drawdown = 3.0 ft

10854: Drawdown from current location = 2.08 ft

Drawdown from proposed location = 5.23 ft

Net drawdown = 3.1 ft

18535: Drawdown from current location = 3.76 ft

Drawdown from proposed location = 5.24 ft

Net drawdown = 1.5 ft

Domestic 30-30-30: Drawdown from current location = 2.12 ft

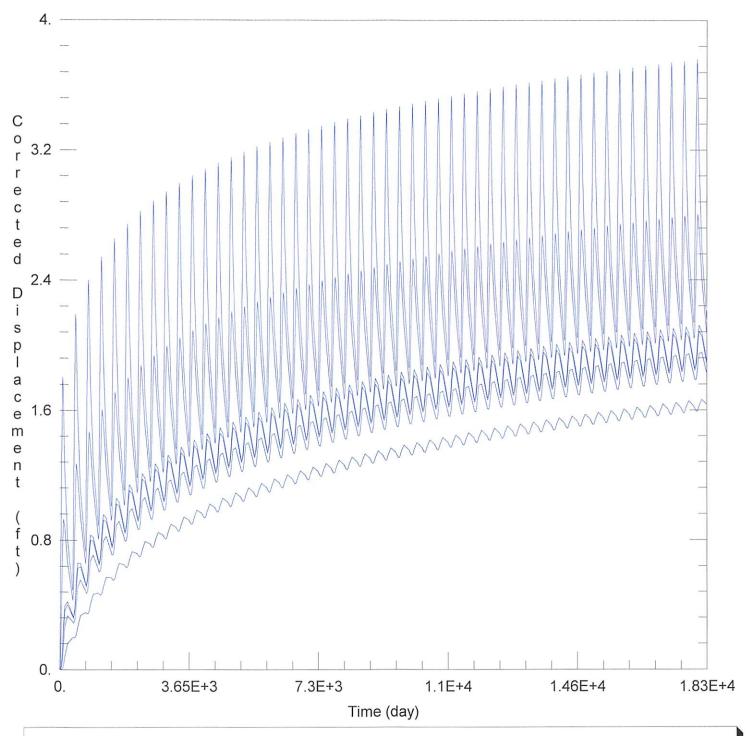
Drawdown from proposed location = 4.32 ft

Net drawdown = 2.2 ft

Net drawdown does not exceed the drawdown allowance of 3.5 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\15202\15202 Current.aqt

Date: 02/26/24 Time: 14:31:35

PROJECT INFORMATION

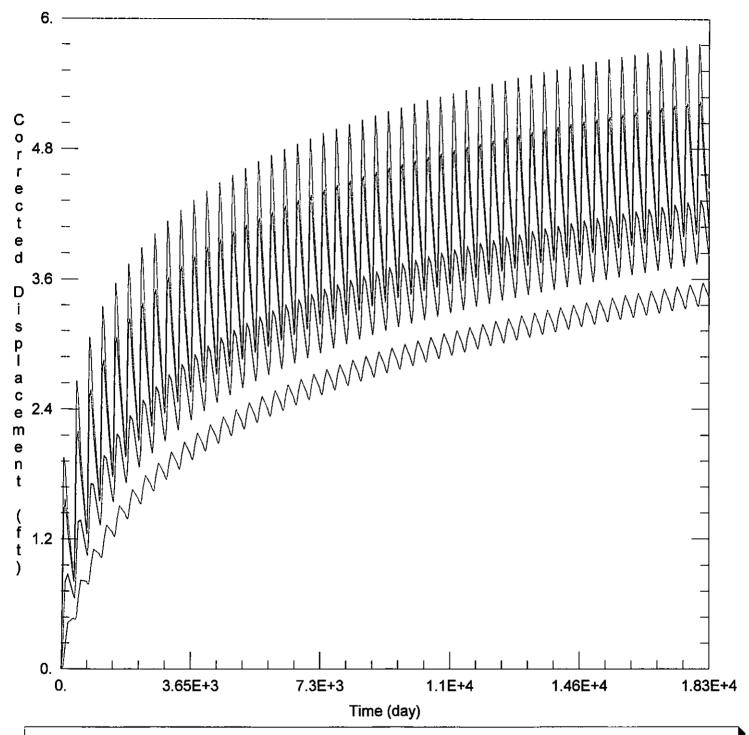
Company: GMD 3 Project: 15202

Location: Meade County

WELL DATA

	Р	umping Wells		
Well Nar	ne	X (ft)	Y (ft)	W
15202 IE	03	46360	200240	

Observation Wells						
Well Name	X (ft)	Y (ft)				
	46360	200240				
□ 15202 IDA	11583	203022				



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2024 moves\15202\15202 Proposed.aqt

Date: 02/26/24 Time: 14:31:29

PROJECT INFORMATION

Company: GMD 3 Project: 15202

Location: Meade County

WELL DATA

F	Pumping Wells		Obs	ervation Wells	
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
15202 ID3	45328	200459	0	45328	200459
			= 15202 IDA	44583	203022