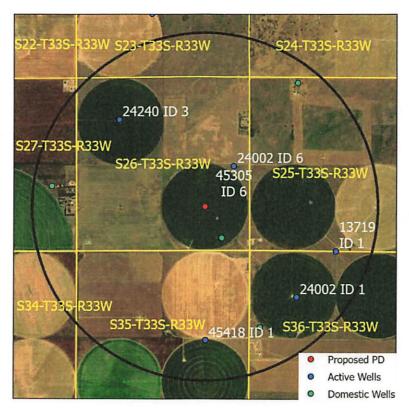
Evaluation of proposed move for Water Right No. 24002

Proposed: Move water right no. 24002 ID1 in section 36-33-33 to a new well location, a distance of 3,910 ft to the northwest.



Wells within 1 mile: 24002 & 45305, 24240, 13719, 45418, a domestic well in section 27-33-33, a domestic well in section 26-33-33, a domestic well in section 25-33-33, and a domestic well in section 36-33-33.

The saturated thickness at the proposed well location is estimated to be 350 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

S = 0.076, T = 45,150 ft²/day, $tp_{current} = 84$ days (based on average use and observed rate), $Q_{current} = 420$ gpm (based on 2022 field inspection), $tp_{proposed} = 67$ days, $Q_{proposed} = 890$ gpm

Theis drawdowns were calculated as follows:

24002 & 45305:

Drawdown from current location = 0.40 ft

Drawdown from proposed location = 1.35 ft

Net drawdown = 0.9 ft

24240: Drawdown from current location = 0.28 ft

Drawdown from proposed location = 0.83 ft

Net drawdown = 0.5 ft

13719: Drawdown from current location = 0.64 ft

Drawdown from proposed location = 0.76 ft

Net drawdown = 0.1 ft

45418: Drawdown from current location = 0.50 ft

Drawdown from proposed location = 0.78 ft

Net drawdown = 0.3 ft

Domestic 27-33-33: Drawdown from current location = 0.26 ft

Drawdown from proposed location = 0.70 ft

Net drawdown = 0.4 ft

Domestic 26-33-33: Drawdown from current location = 0.52 ft

Drawdown from proposed location = 1.56 ft

Net drawdown = 1.0 ft

Domestic 25-33-33: Drawdown from current location = 0.31 ft

Drawdown from proposed location = 0.70 ft

Net drawdown = 0.4 ft

Domestic 36-33-33: Drawdown from current location = 0.71 ft

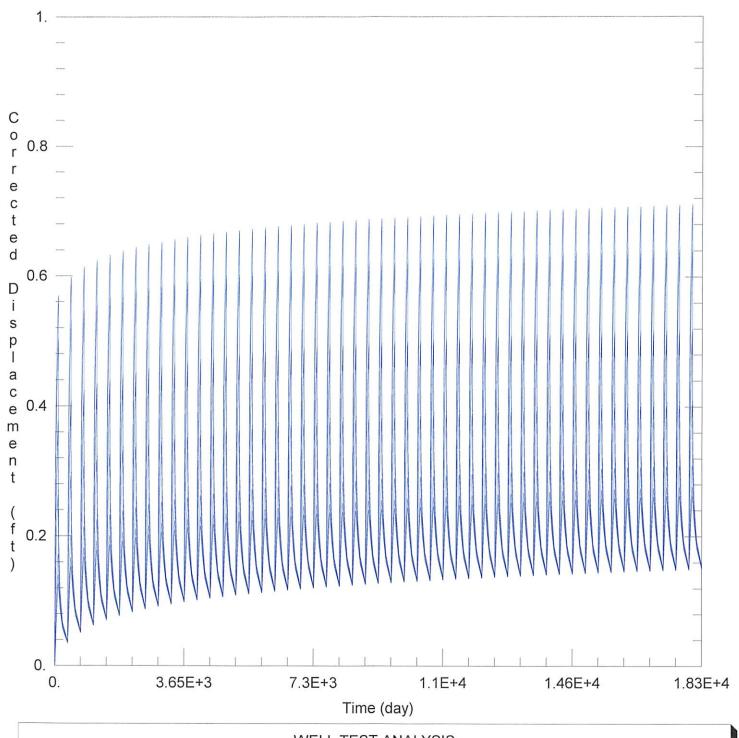
Drawdown from proposed location = 0.79 ft

Net drawdown = 0.1 ft

Net drawdown does not exceed the drawdown allowance of 4.0 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\2025_moves\24002\24002 Current.aqt

Date: 03/26/25 Time: 16:30:23

PROJECT INFORMATION

Company: GMD 3 Project: 24002

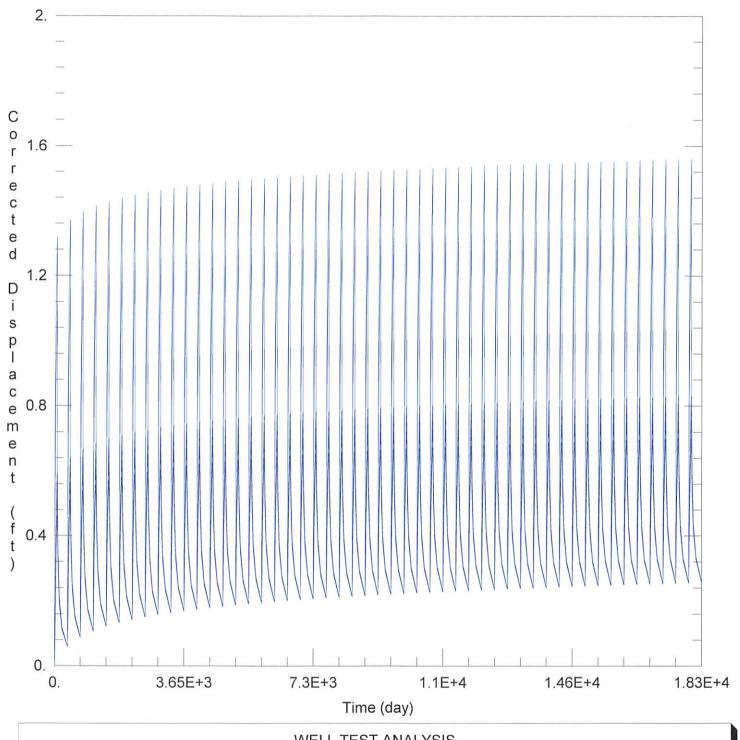
Location: Seward County

WELL DATA

Well Name	X (ft)	Y (ft)	Well Name	
24002 ID1	-18615	95596		

Pumping Wells

Observation Wells					
Well Name	X (ft)	Y (ft)			
	-18615	95596			
7 24002 & 45305	-20536	99567			



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2025_moves\24002\24002 Proposed.aqt

Date: 03/26/25 Time: 16:30:17

PROJECT INFORMATION

Company: GMD 3 Project: 24002

Location: Seward County

WELL DATA

Pumping vveils			Observation vveils		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
24002 ID1	-21411	98329	О	-21411	98329
			□ 24002 & 45305	-20536	99567