

25558: Drawdown from current location = 0.83 ft
Drawdown from proposed location = 2.06 ft
Net drawdown = **1.2 ft**

13915 ID1: Drawdown from current location = 0.65 ft
Drawdown from proposed location = 1.48 ft
Net drawdown = **0.8 ft**

13915 ID2: Drawdown from current location = 0.67 ft
Drawdown from proposed location = 1.62 ft
Net drawdown = **0.9 ft**

7226: Drawdown from current location = 0.80 ft
Drawdown from proposed location = 2.43 ft
Net drawdown = **1.6 ft**

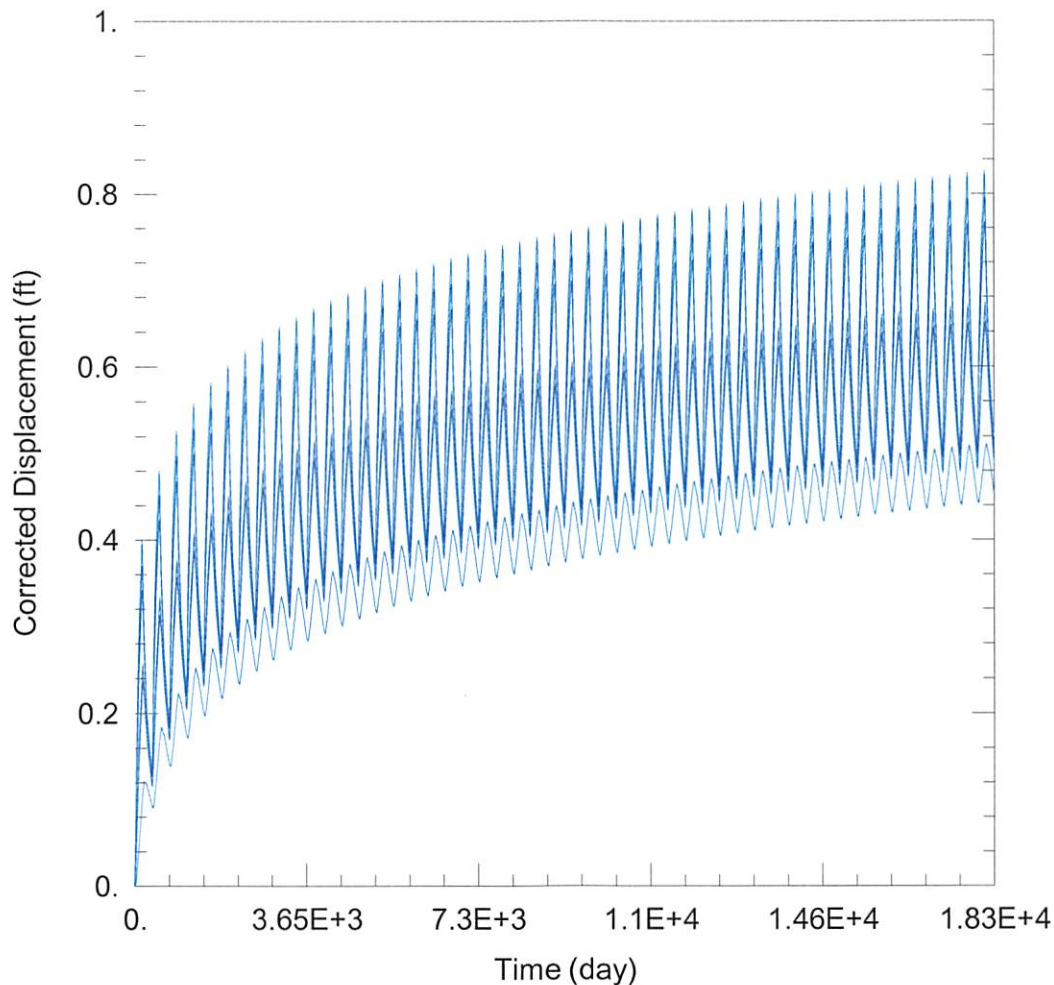
20259: Drawdown from current location = 0.51 ft
Drawdown from proposed location = 1.26 ft
Net drawdown = **0.7 ft**

Domestic 7-25-29: Drawdown from current location = 0.67 ft
Drawdown from proposed location = 1.91 ft
Net drawdown = **1.2 ft**

Net drawdown does not exceed the drawdown allowance of 2.0 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 is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\15506\15506 Current.aqt

Date: 12/02/21

Time: 16:13:49

PROJECT INFORMATION

Company: GMD 3

Project: 15506

Location: Gray County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
15506 ID1	68000	371608

Observation Wells

Well Name	X (ft)	Y (ft)
□	68000	371608
□ <u>15506 ID4</u>	65488	372101
□ <u>25558</u>	65895	370911
□ <u>13915 ID1</u>	66463	374744
□ <u>13915 ID2</u>	69118	374747
□ <u>7226</u>	70366	371891
□ <u>20259</u>	73283	370825
□ <u>Domestic 7-25-29</u>	70578	369563

SOLUTION

Aquifer Model: Unconfined

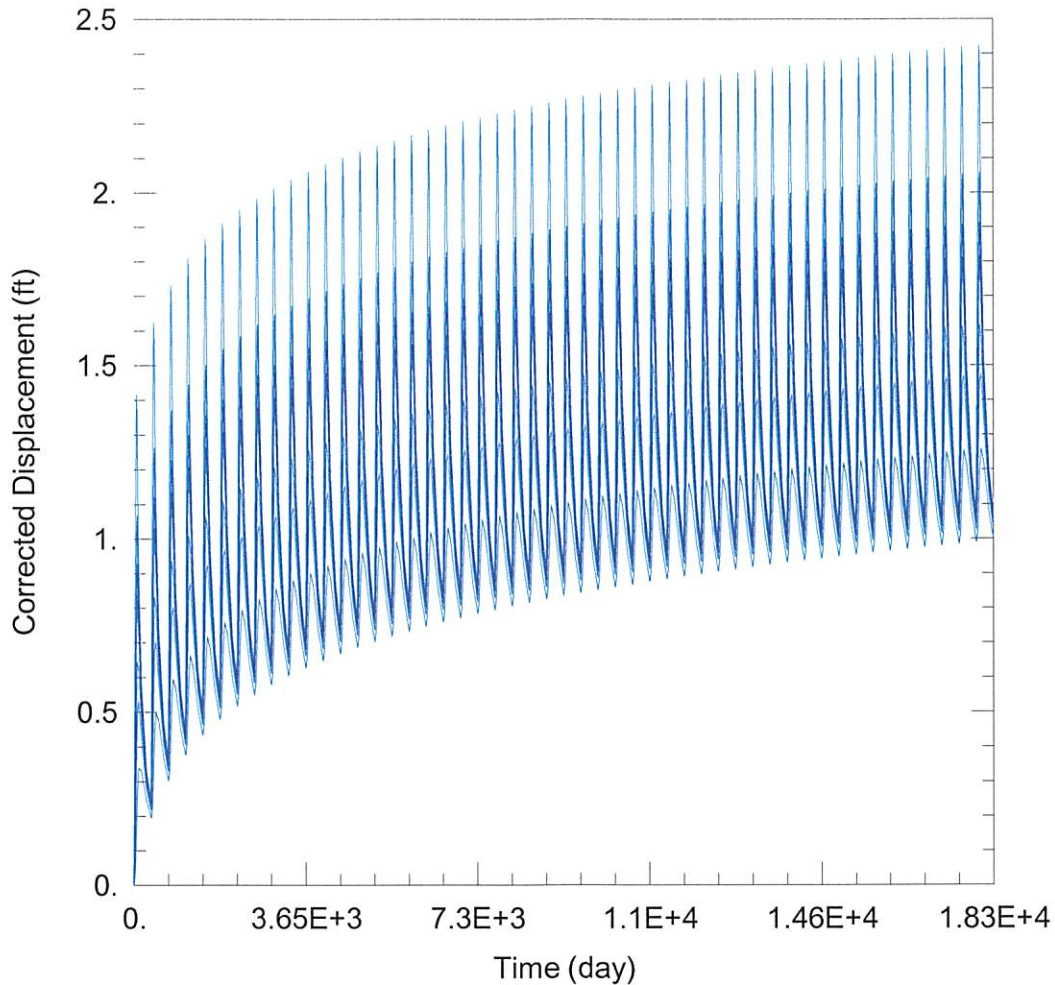
Solution Method: Theis

T = 1.14E+4 ft²/day

S = 0.1665

Kz/Kr = 1.

b = 78. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\15506\15506 Proposed.aqt

Date: 12/02/21

Time: 16:13:42

PROJECT INFORMATION

Company: GMD 3

Project: 15506

Location: Gray County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
15506 ID1	68404	371361

Observation Wells

Well Name	X (ft)	Y (ft)
□	68404	371361
□ <u>15506 ID4</u>	65488	372101
□ <u>25558</u>	65895	370911
□ <u>13915 ID1</u>	66463	374744
□ <u>13915 ID2</u>	69118	374747
□ <u>7226</u>	70366	371891
□ <u>20259</u>	73283	370825
□ <u>Domestic 7-25-29</u>	70578	369563

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 1.14E+4 ft²/day

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b = 78. ft