

17878 ID 3: Drawdown from current location = 0.63 ft
Drawdown from proposed location = 1.21 ft
Net drawdown = **0.6 ft**

17878 ID 4: Drawdown from current location = 1.01 ft
Drawdown from proposed location = 2.31 ft
Net drawdown = **1.3 ft**

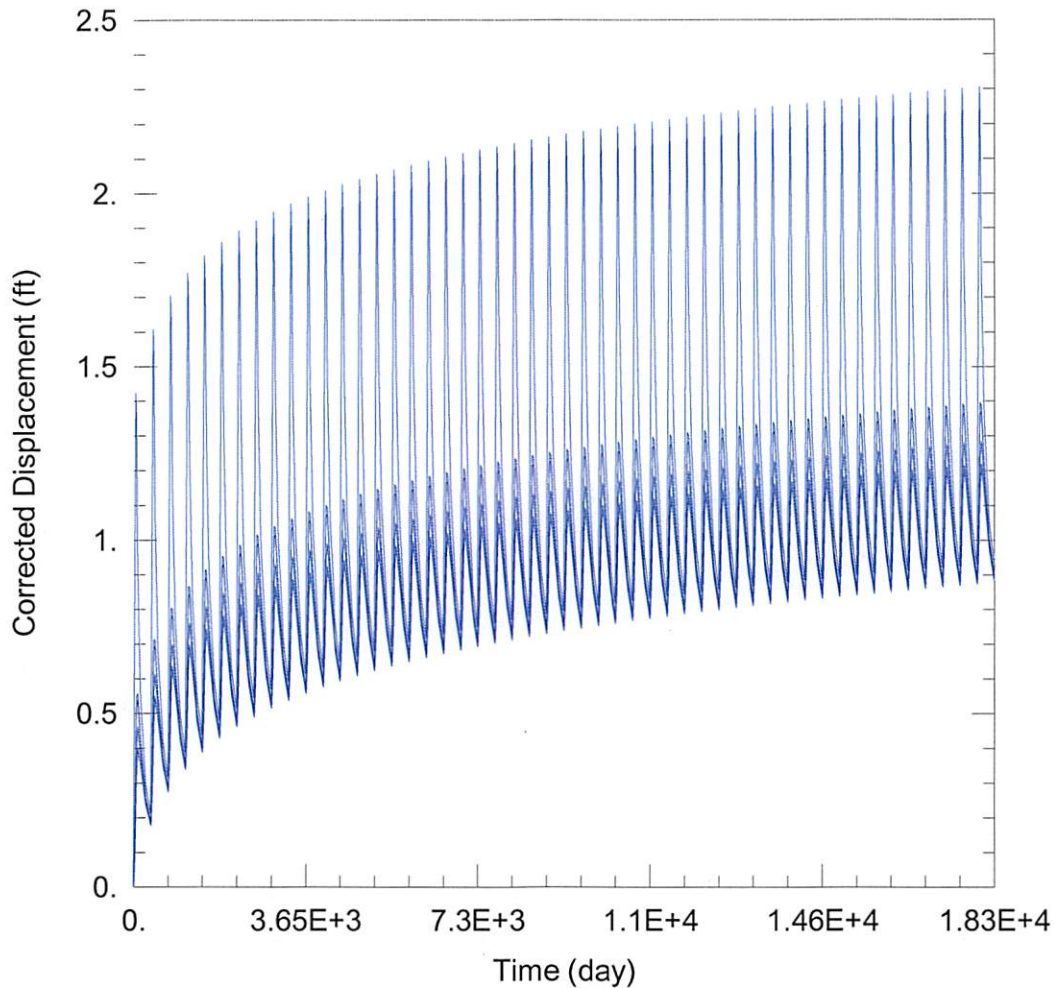
17878 ID 5: Drawdown from current location = 0.70 ft
Drawdown from proposed location = 1.22 ft
Net drawdown = **0.5 ft**

Domestic 5-26-36: Drawdown from current location = 0.68 ft
Drawdown from proposed location = 1.28 ft
Net drawdown = **0.6 ft**

Net drawdown does not exceed the drawdown allowance of 3.0 ft for any wells within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

Based upon information from the GMD3 model, this proposal will cause minimal effects on neighboring wells, and is unlikely to create an impairment. GMD3 staff recommends approval of the application.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\14287\14287 Proposed.aqt

Date: 06/24/20

Time: 10:18:26

PROJECT INFORMATION

Company: GMD 3

Project: 14287 D1

Location: Kearny County

Test Well: 14287 D1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
14287 ID3	-141655	340325

Observation Wells

Well Name	X (ft)	Y (ft)
□	-141655	340325
□ 14287 ID4	-140338	336436
□ 14265	-137646	339062
□ 17878 ID3	-140200	345146
□ 17878 ID4	-140057	341917
□ 17878 ID5	-137693	343370
□ Domestic 5-26-36	-139387	344374

SOLUTION

Aquifer Model: Unconfined

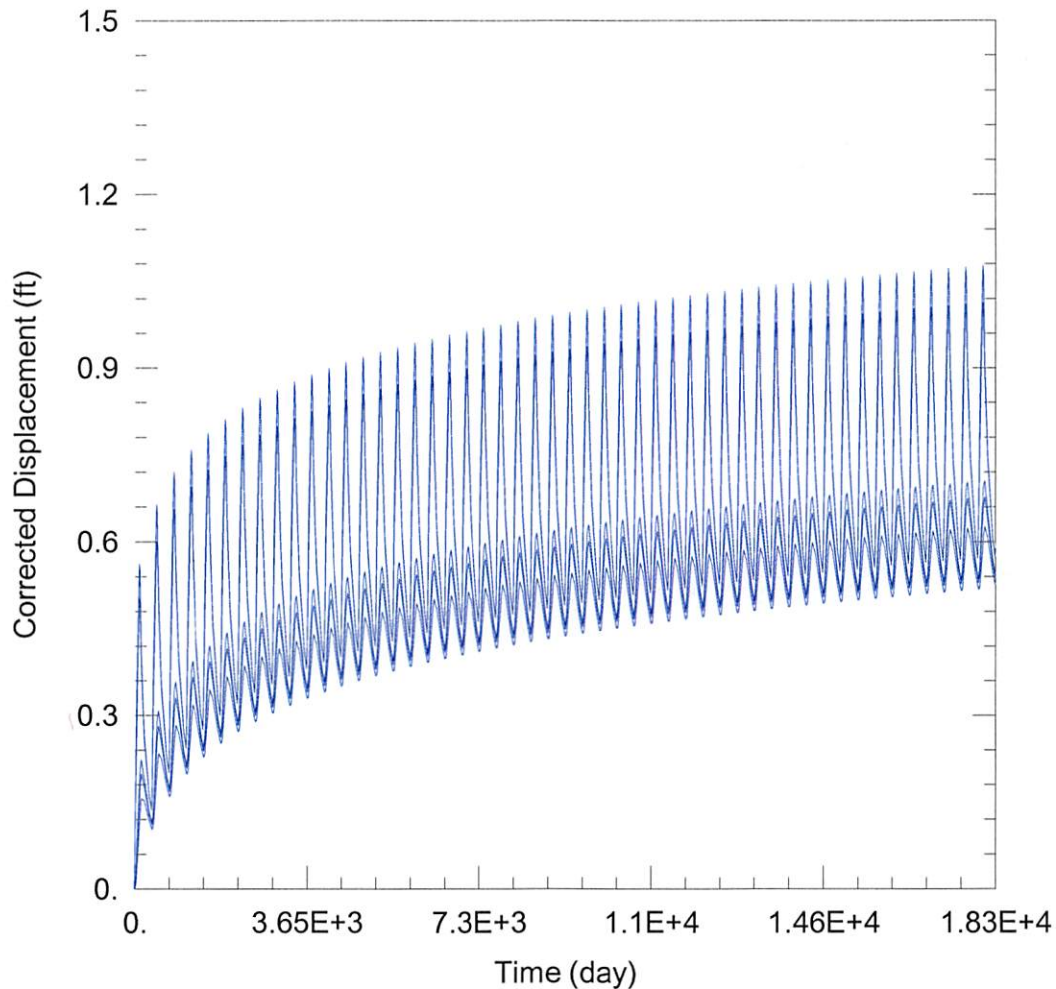
Solution Method: Theis

T = 1.209E+4 ft²/day

S = 0.1285

Kz/Kr = 1.

b = 138. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\14287\14287 Current.aqt

Date: 06/24/20

Time: 10:18:42

PROJECT INFORMATION

Company: GMD 3

Project: 14287 D1

Location: Kearny County

Test Well: 14287 D1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
14287 ID3	-140298	339054

Observation Wells

Well Name	X (ft)	Y (ft)
□	-140298	339054
□ 14287 ID4	-140338	336436
□ 14265	-137646	339062
□ 17878 ID3	-140200	345146
□ 17878 ID4	-140057	341917
□ 17878 ID5	-137693	343370
□ Domestic 5-26-36	-139387	344374

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

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