

9517: Drawdown from current location = 1.07 ft
Drawdown from proposed location = 3.39 ft
Net drawdown = **2.3 ft**

23788: Drawdown from current location = 1.04 ft
Drawdown from proposed location = 4.31 ft
Net drawdown = **3.3 ft**

23737: Drawdown from current location = 0.79 ft
Drawdown from proposed location = 2.69 ft
Net drawdown = **1.9 ft**

Domestic 1: Drawdown from current location = 0.78 ft
Drawdown from proposed location = 2.78 ft
Net drawdown = **2.0 ft**

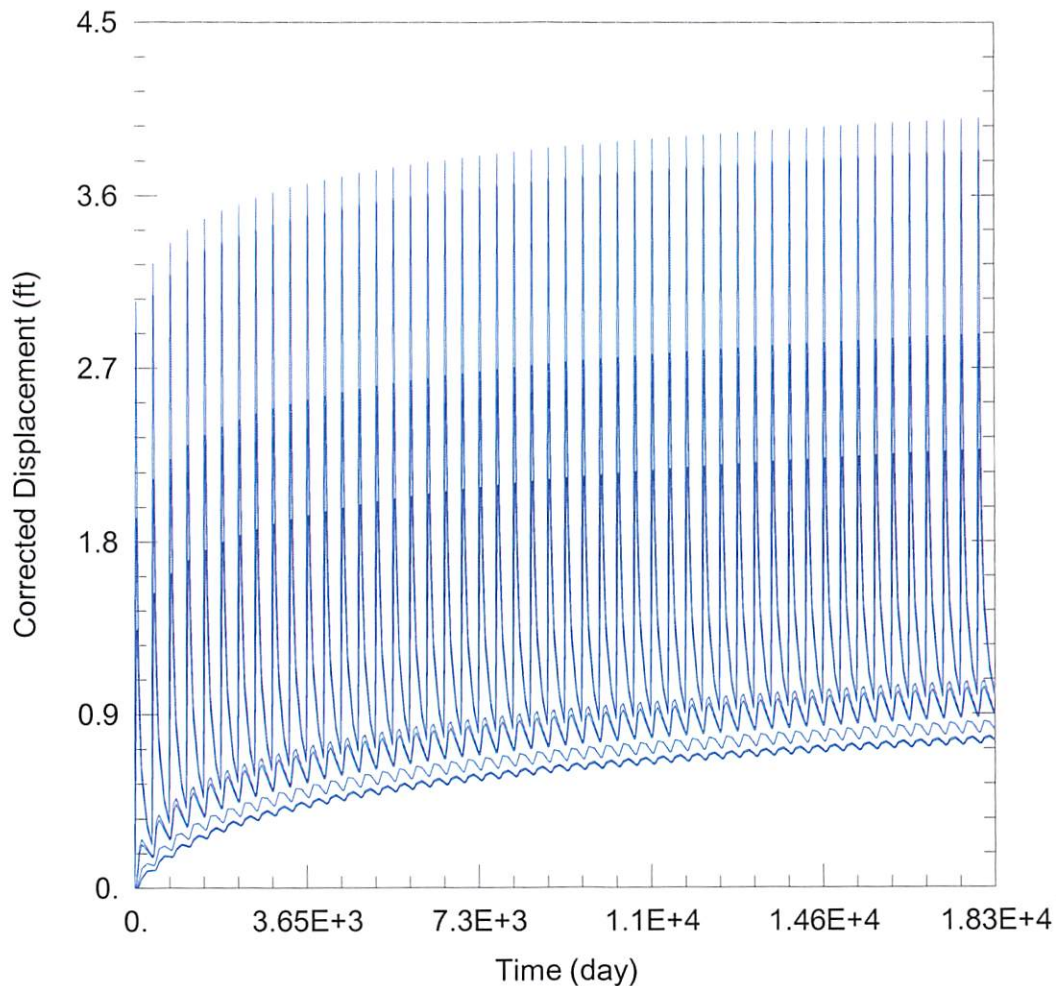
Domestic 2: Drawdown from current location = 0.86 ft
Drawdown from proposed location = 3.34 ft
Net drawdown = **2.5 ft**

Domestic 3: Drawdown from current location = 4.00 ft
Drawdown from proposed location = 6.59 ft
Net drawdown = **2.6 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 is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\13279\13279 Current.aqt

Date: 03/22/21

Time: 14:04:46

PROJECT INFORMATION

Company: GMD 3

Project: 13279

Location: Finney County

Test Well: 13279

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
13279	37503	326689

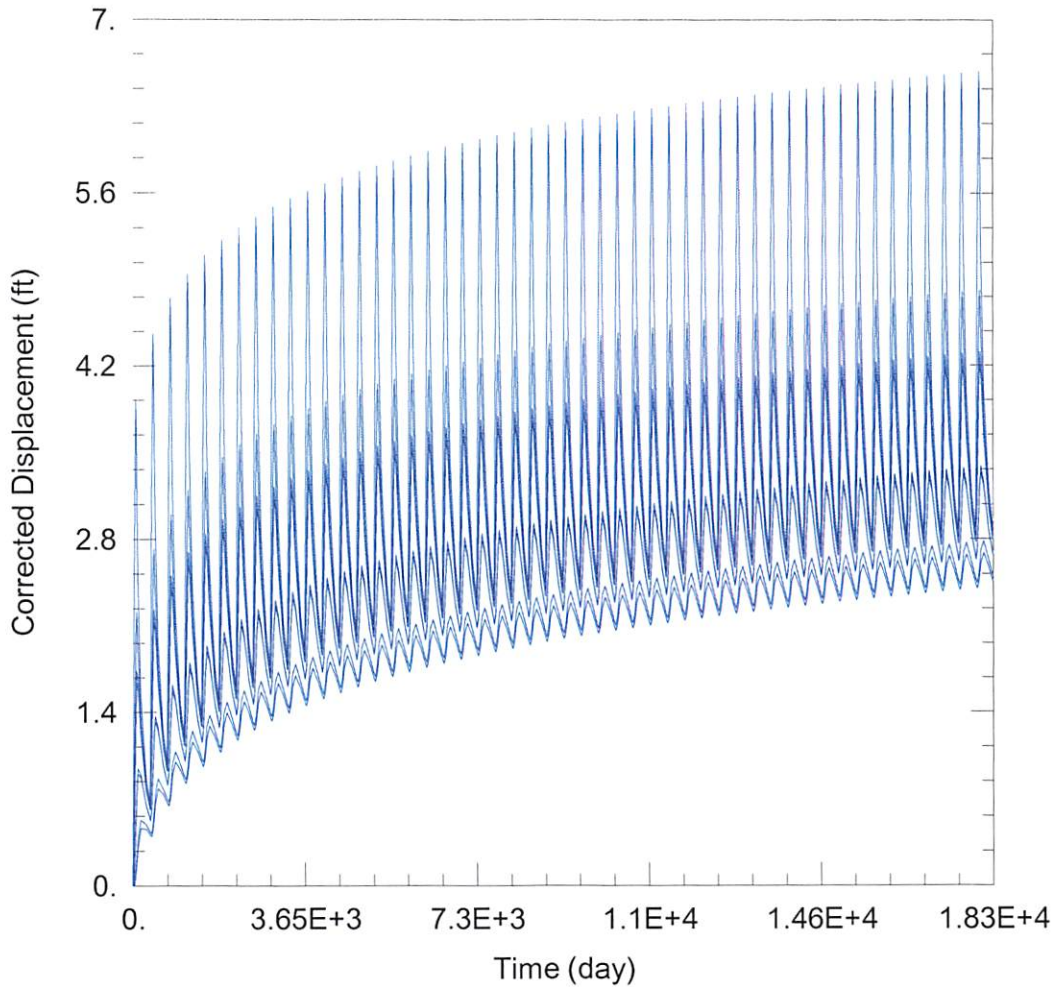
Observation Wells

Well Name	X (ft)	Y (ft)
□	37503	326689
□ <u>22138 ID6</u>	36290	325660
□ <u>22138 ID8</u>	38108	327764
□ <u>9517</u>	33428	325678
□ <u>23788</u>	33367	328289
□ <u>22737</u>	30766	328286
□ <u>Domestic 1</u>	33802	332676
□ <u>Domestic 2</u>	33131	330674
□ <u>Domestic 3</u>	37030	327340

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\13279\13279 Proposed.aqt

Date: 03/22/21

Time: 14:04:39

PROJECT INFORMATION

Company: GMD 3

Project: 13279

Location: Finney County

Test Well: 13279

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
13279	35934	328279

Observation Wells

Well Name	X (ft)	Y (ft)
□	35934	328279
□ <u>22138 ID6</u>	36290	325660
□ <u>22138 ID8</u>	38108	327764
□ <u>9517</u>	33428	325678
□ <u>23788</u>	33367	328289
□ <u>22737</u>	30766	328286
□ <u>Domestic 1</u>	33802	332676
□ <u>Domestic 2</u>	33131	330674
□ <u>Domestic 3</u>	37030	327340

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis