

21386 ID1: Drawdown from current location = 0.62 ft
Drawdown from proposed location = 1.36 ft
Net drawdown = **0.7 ft**

21386 ID6: Drawdown from current location = 0.78 ft
Drawdown from proposed location = 1.59 ft
Net drawdown = **0.8 ft**

20894 ID6: Drawdown from current location = 0.60 ft
Drawdown from proposed location = 1.31 ft
Net drawdown = **0.7 ft**

20894 ID8: Drawdown from current location = 0.67 ft
Drawdown from proposed location = 1.68 ft
Net drawdown = **1.0 ft**

22566 ID7: Drawdown from current location = 0.73 ft
Drawdown from proposed location = 1.74 ft
Net drawdown = **1.0 ft**

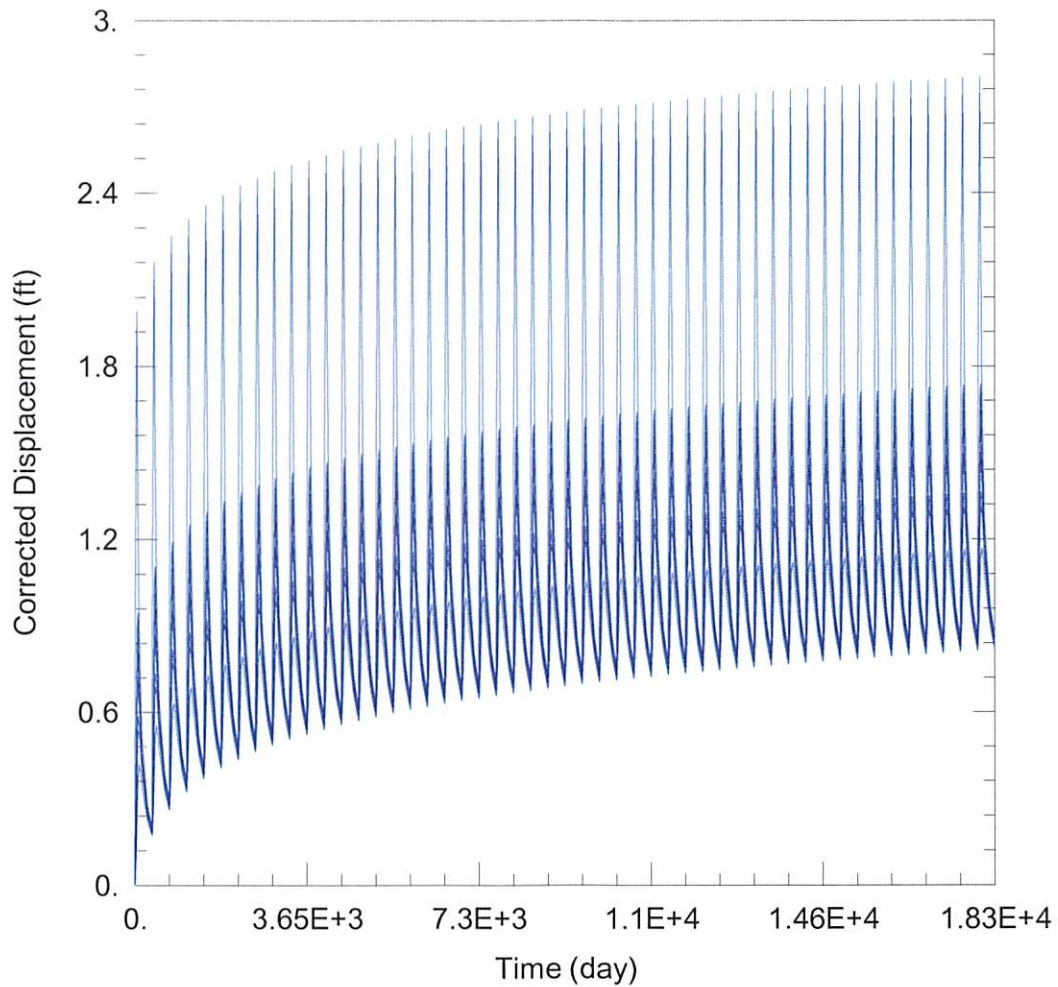
22566 ID9: Drawdown from current location = 0.82 ft
Drawdown from proposed location = 2.80 ft
Net drawdown = **2.0 ft**

20898: Drawdown from current location = 0.63 ft
Drawdown from proposed location = 1.17 ft
Net drawdown = **0.5 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 is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\20893\20893 Proposed.aqt
 Date: 03/31/21 Time: 16:33:30

PROJECT INFORMATION

Company: GMD 3
 Project: 20893
 Location: Finney County
 Test Well: 20893

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
20893 ID2	-75622	374527

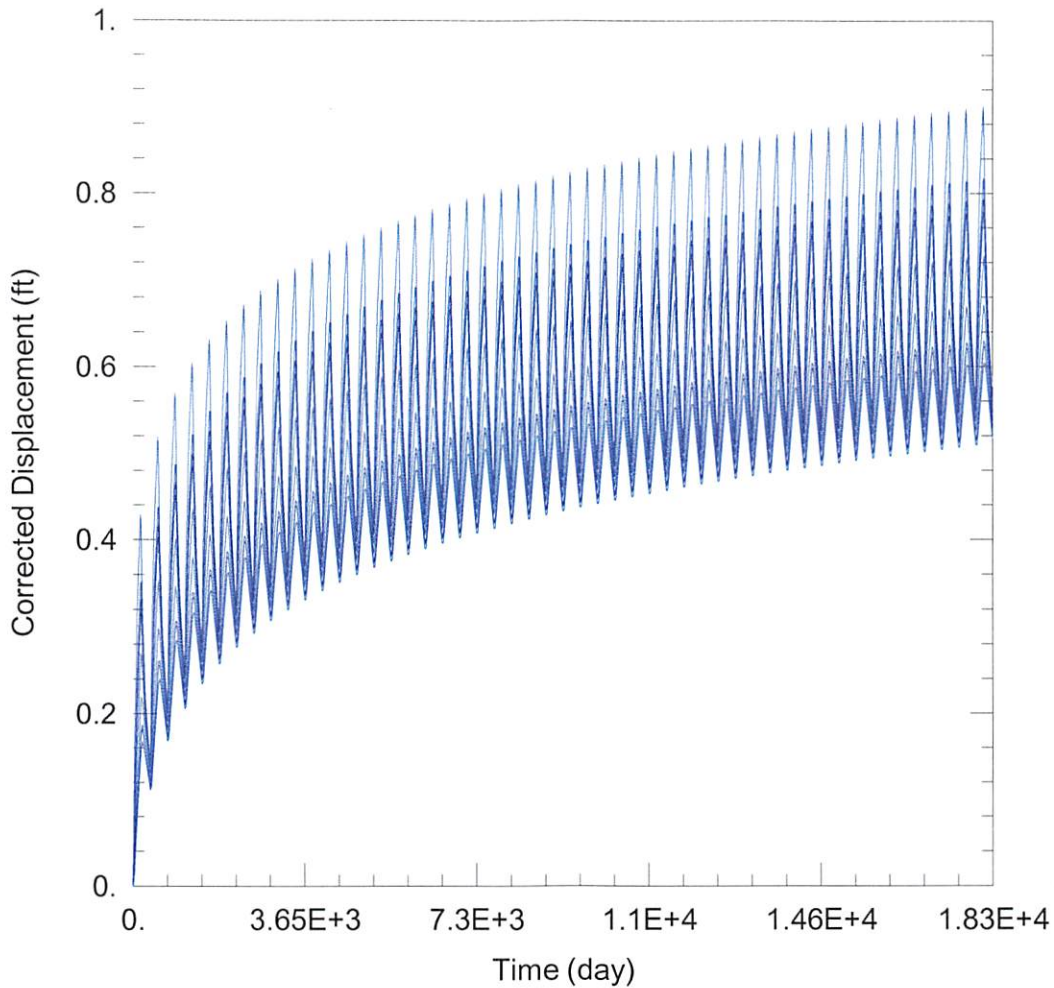
Observation Wells

Well Name	X (ft)	Y (ft)
□	-75622	374527
□ 20893 ID5	-71915	373425
□ 21388	-78562	372562
□ 21386 ID1	-78316	377885
□ 21386 ID6	-79192	374290
□ 20894 ID6	-73695	378579
□ 20894 ID8	-75674	377856
□ 22566 ID7	-72966	376290
□ 22566 ID9	-75557	376251
□ 20898	-70418	375165

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\20893\20893 Current.aqt

Date: 03/31/21

Time: 16:33:58

PROJECT INFORMATION

Company: GMD 3

Project: 20893

Location: Finney County

Test Well: 20893

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
20893 ID2	-75616	372688

Observation Wells

Well Name	X (ft)	Y (ft)
□	-75616	372688
□ 20893 ID5	-71915	373425
□ 21388	-78562	372562
□ 21386 ID1	-78316	377885
□ 21386 ID6	-79192	374290
□ 20894 ID6	-73695	378579
□ 20894 ID8	-75674	377856
□ 22566 ID7	-72966	376290
□ 22566 ID9	-75557	376251
□ 20898	-70418	375165

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis