

FI 21 & 12015: Drawdown from current location = 2.14 ft
Drawdown from proposed location = 4.01 ft
Net drawdown = **1.9 ft**

FI 19 & 2636 & 6527 & 10329: Drawdown from current location = 2.82 ft
Drawdown from proposed location = 4.19 ft
Net drawdown = **1.4 ft**

10329: Drawdown from current location = 2.84ft
Drawdown from proposed location = 4.21 ft
Net drawdown = **1.4 ft**

2383: Drawdown from current location = 2.27 ft
Drawdown from proposed location = 4.08 ft
Net drawdown = **1.8 ft**

11122: Drawdown from current location = 1.91 ft
Drawdown from proposed location = 4.31 ft
Net drawdown = **2.4 ft**

18908: Drawdown from current location = 2.64 ft
Drawdown from proposed location = 7.58 ft
Net drawdown = **4.9 ft**

13924 ID 1: Drawdown from current location = 1.76 ft
Drawdown from proposed location = 5.01 ft
Net drawdown = **3.2 ft**

13924 ID 5: Drawdown from current location = 1.65 ft
Drawdown from proposed location = 4.48 ft
Net drawdown = **2.8 ft**

29229: Drawdown from current location = 2.25 ft
Drawdown from proposed location = 6.99 ft
Net drawdown = **4.7 ft**

8345: Drawdown from current location = 1.72 ft
Drawdown from proposed location = 3.99 ft
Net drawdown = **2.3 ft**

Domestic 1: Drawdown from current location = 2.65 ft
Drawdown from proposed location = 4.11 ft
Net drawdown = **1.5 ft**

Domestic 2: Drawdown from current location = 1.70 ft
Drawdown from proposed location = 3.97 ft
Net drawdown = **2.3 ft**

Domestic 3: Drawdown from current location = 2.39 ft
Drawdown from proposed location = 5.17 ft
Net drawdown = **2.8 ft**

Domestic 4: Drawdown from current location = 1.75 ft
Drawdown from proposed location = 4.93 ft
Net drawdown = **3.2 ft**

Domestic 5: Drawdown from current location = 1.68 ft
Drawdown from proposed location = 4.55 ft
Net drawdown = **2.9 ft**

Domestic 6: Drawdown from current location = 1.93 ft
Drawdown from proposed location = 5.76 ft
Net drawdown = **3.8 ft**

Domestic 7: Drawdown from current location = 1.58 ft
Drawdown from proposed location = 4.19 ft
Net drawdown = **2.6 ft**

Domestic 8: Drawdown from current location = 1.74 ft
Drawdown from proposed location = 4.87 ft
Net drawdown = **3.1 ft**

Domestic 9:	Drawdown from current location = 2.04 ft Drawdown from proposed location = 6.66 ft Net drawdown = 4.62 ft
Domestic 10:	Drawdown from current location = 1.70 ft Drawdown from proposed location = 4.73 ft Net drawdown = 3.0 ft
Domestic 11:	Drawdown from current location = 1.65 ft Drawdown from proposed location = 4.22 ft Net drawdown = 2.6 ft
Domestic 12:	Drawdown from current location = 1.56 ft Drawdown from proposed location = 4.13 ft Net drawdown = 2.6 ft
Domestic 13:	Drawdown from current location = 1.65 ft Drawdown from proposed location = 4.46 ft Net drawdown = 2.8 ft

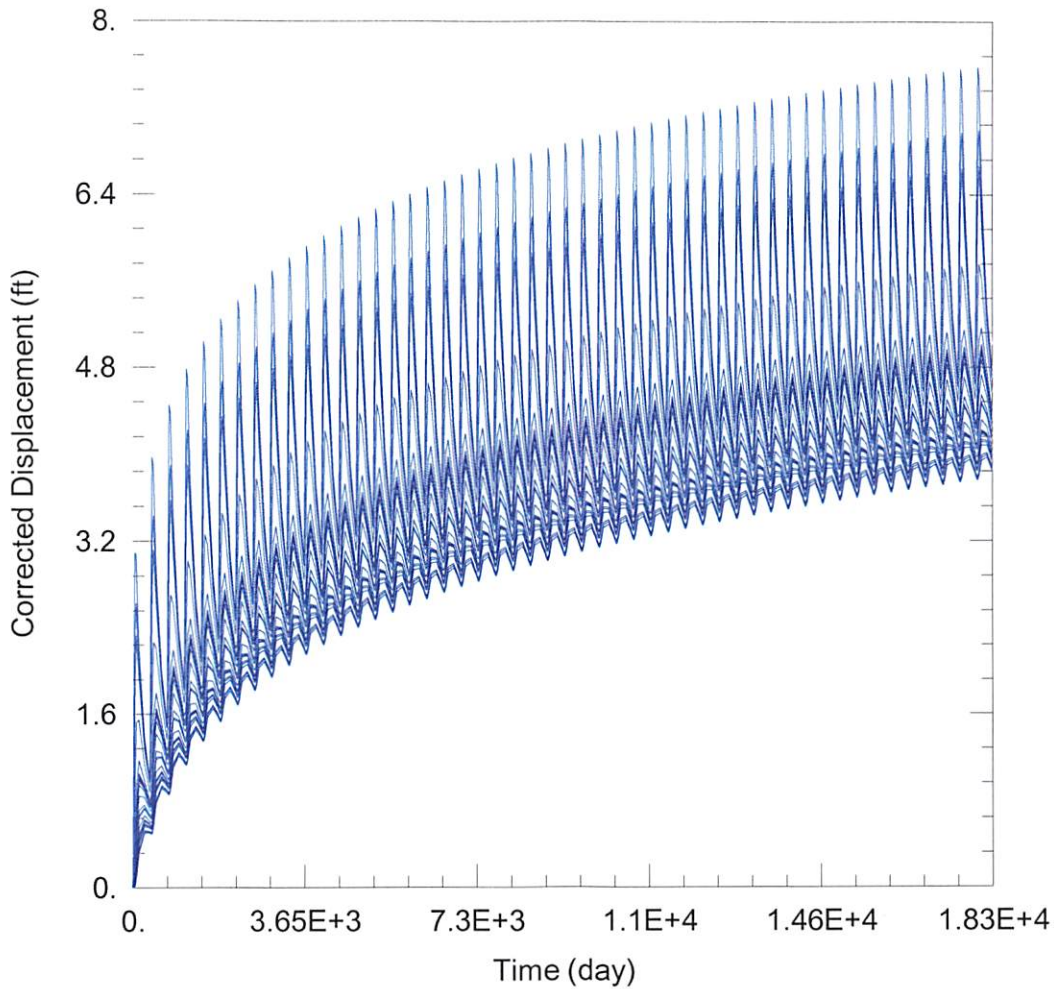
Net drawdown exceeds the drawdown allowance of 2.5 ft for water right numbers 5407, FI 21 & 12015, 2383, 11122, 18908, 13924 ID 1, 13924 ID 5, 29229, and 8345, and for domestic wells 2-13. The GMD3 model predicts that no saturated thickness will remain in section 26-23-32 in 25 years, so all wells are considered critical.

Conclusion:

The proposed moves are in an area with a depleted aquifer that will soon lose productivity. If the new well is operated at the proposed rate and quantity, it is likely to create noticeable effects on neighboring critical wells. GMD3 staff recommends a rate limitation of 400 gpm and a quantity limitation of 202 AF at the proposed new well location. This rate and quantity would produce the following net effects on neighboring critical wells:

5407:	Net Drawdown = 0.2 ft
FI 21 & 12015:	Net Drawdown = 0.1 ft
2383:	Net Drawdown = 0.0 ft
11122:	Net Drawdown = 0.5 ft
18908:	Net Drawdown = 1.4 ft
13924 ID 1:	Net Drawdown = 1.0 ft

13924 ID 5:	Net Drawdown = 0.8 ft
29229:	Net Drawdown = 1.5 ft
8345:	Net Drawdown = 0.5 ft
Domestic 2:	Net Drawdown = 0.5 ft
Domestic 3:	Net Drawdown = 0.5 ft
Domestic 4:	Net Drawdown = 1.0 ft
Domestic 5:	Net Drawdown = 0.9 ft
Domestic 6:	Net Drawdown = 1.3 ft
Domestic 7:	Net Drawdown = 0.7 ft
Domestic 8:	Net Drawdown = 1.0 ft
Domestic 9:	Net Drawdown = 1.5 ft
Domestic 10:	Net Drawdown = 0.9 ft
Domestic 11:	Net Drawdown = 0.7 ft
Domestic 12:	Net Drawdown = 0.8 ft
Domestic 13:	Net Drawdown = 0.8 ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\15424\15424 Proposed.aqt

Date: 03/24/21

Time: 14:54:15

PROJECT INFORMATION

Company: GMD 3

Project: 15424

Location: Finney County

Test Well: 15424

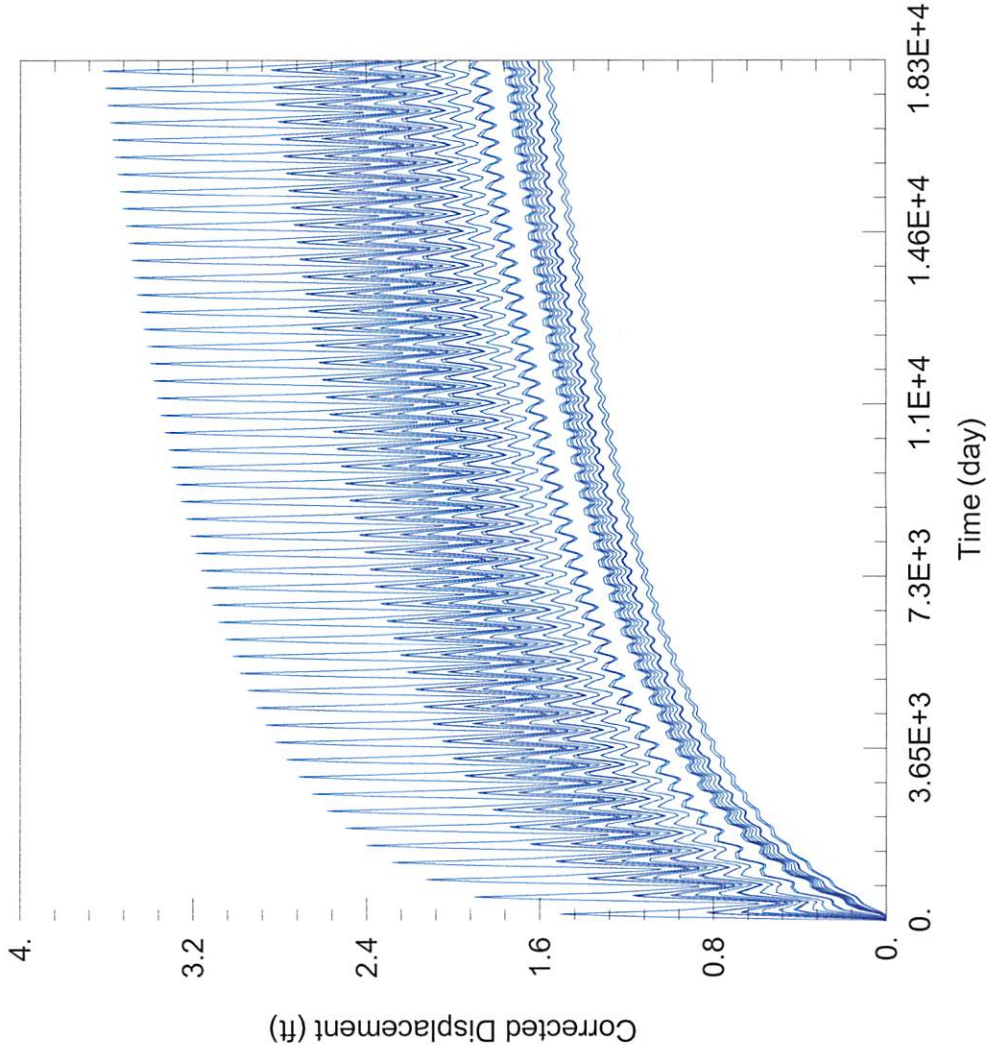
WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
15424	-3096	416890

Well Name	X (ft)	Y (ft)
□	-3096	416890
□ 23978	-218	419220
□ 5407	618	416915
□ FI 21 & 12015	2058	417301
□ FI 19 & 2636 & 6527 & 1032	-2378	421646
□ 10329	-2349	421609
□ 2383	-4941	421537
□ 11122	-7275	418824
□ 18908	-4885	417848
□ 13924 ID1	-4626	413576
□ 13924 ID5	-5980	413624
□ 29229	-1946	414942
□ 8345	733	413354



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\15424\15424 Current.aqt

Date: 03/24/21

Time: 14:54:22

PROJECT INFORMATION

Company: GMD 3

Project: 15424

Location: Finney County

Test Well: 15424

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
15424	-2004	418929

Observation Wells

Well Name	X (ft)	Y (ft)
□ 23978	-218	419220
□ 5407	618	416915
□ FI 21 & 12015	2058	417301
□ FI 19 & 2636 & 6527 & 1032-2378	-2349	421646
□ 10329	-4941	421609
□ 2383	-7275	421537
□ 11122	-4885	418824
□ 18908	-4626	417848
□ 13924 ID1	-5980	413576
□ 13924 ID5	-1946	413624
□ 29229	733	414942
□ 8345		413354