



20928 ID1: Drawdown from current location = 0.71 ft  
Drawdown from proposed location = 1.42 ft  
Net drawdown = **0.7 ft**

20928 ID10: Drawdown from current location = 0.49 ft  
Drawdown from proposed location = 0.83 ft  
Net drawdown = **0.3 ft**

16406 ID2: Drawdown from current location = 0.56 ft  
Drawdown from proposed location = 0.76 ft  
Net drawdown = **0.2 ft**

16406 ID7: Drawdown from current location = 0.53 ft  
Drawdown from proposed location = 0.80 ft  
Net drawdown = **0.3 ft**

16406 ID8: Drawdown from current location = 0.46 ft  
Drawdown from proposed location = 0.70 ft  
Net drawdown = **0.2 ft**

14344: Drawdown from current location = 0.46 ft  
Drawdown from proposed location = 0.69 ft  
Net drawdown = **0.2 ft**

15730: Drawdown from current location = 0.53 ft  
Drawdown from proposed location = 1.00 ft  
Net drawdown = **0.5 ft**

20927: Drawdown from current location = 0.69 ft  
Drawdown from proposed location = 1.46 ft  
Net drawdown = **0.8 ft**

45870: Drawdown from current location = 0.94 ft  
Drawdown from proposed location = 3.68 ft  
Net drawdown = **2.7 ft**

21528 ID6: Drawdown from current location = 0.92 ft  
Drawdown from proposed location = 1.02 ft  
Net drawdown = **0.1 ft**

21528 ID8: Drawdown from current location = 0.55 ft  
Drawdown from proposed location = 0.77 ft  
Net drawdown = **0.2 ft**

20930: Drawdown from current location = 0.57 ft  
Drawdown from proposed location = 0.64 ft  
Net drawdown = **0.1 ft**

Domestic 1: Drawdown from current location = 0.44 ft  
Drawdown from proposed location = 0.71 ft  
Net drawdown = **0.3 ft**

Domestic 2: Drawdown from current location = 0.46 ft  
Drawdown from proposed location = 0.75 ft  
Net drawdown = **0.3 ft**

Domestic 3: Drawdown from current location = 0.51 ft  
Drawdown from proposed location = 0.75 ft  
Net drawdown = **0.2 ft**

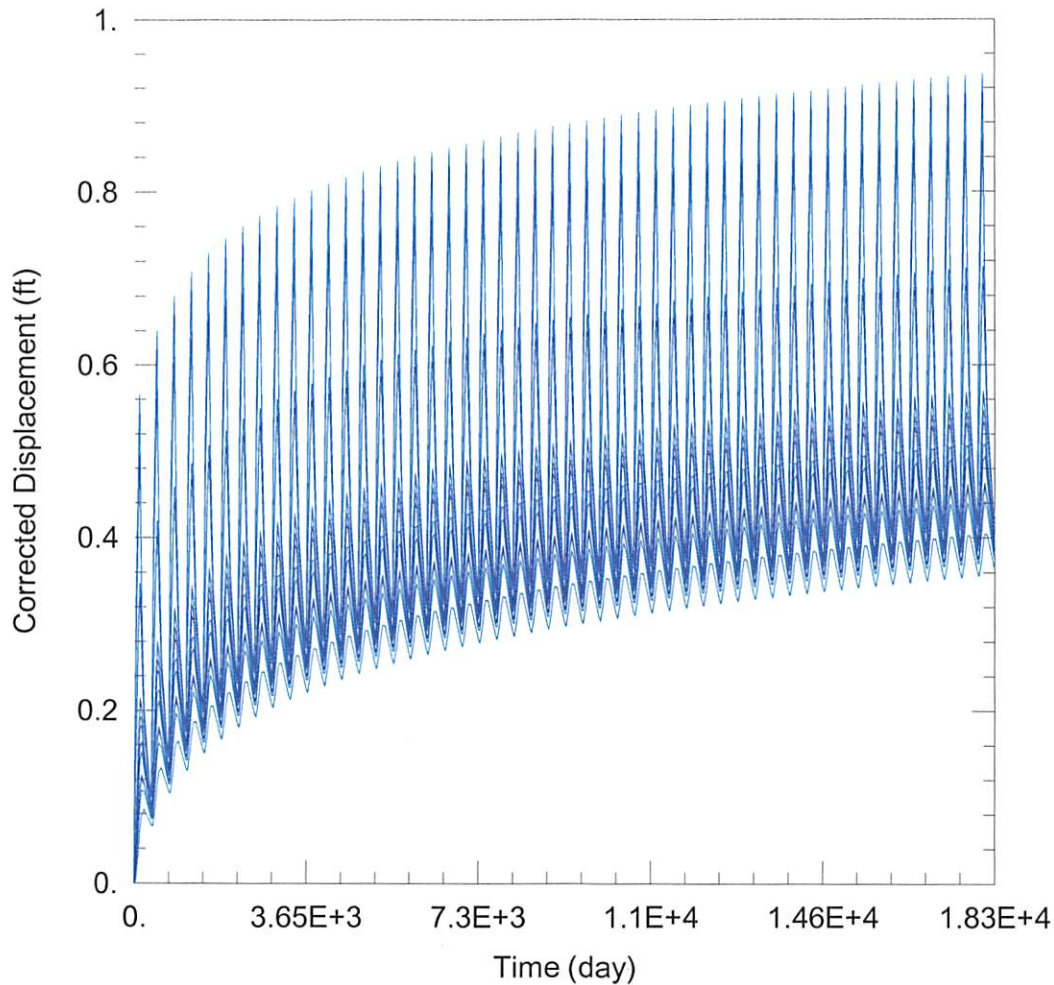
Domestic 4: Drawdown from current location = 0.86 ft  
Drawdown from proposed location = 0.97 ft  
Net drawdown = **0.1 ft**

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 GMD3 model estimates high values for specific yield and transmissivity in the area of this proposal. These conditions allow for strong wells with small well-to-well interaction effects. Based on model values, the proposed move is likely to create minimal effects on neighboring wells and appears unlikely to cause impairment. However, the proposed location is only 354 ft away from nearby water right no. 45870. This is much closer than spacing rules allow. If the aquifer water levels decline, conditions will change, and effects will become greater. The proposed well also is the senior water right, so the neighboring water right will not have the ability to claim impairment later and will have limited options

to relocate if problems occur. Any concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022\_moves\16406\16406 Current.aqt

Date: 05/23/22

Time: 15:09:35

### PROJECT INFORMATION

Company: GMD 3

Project: 16406

Location: Kearny County

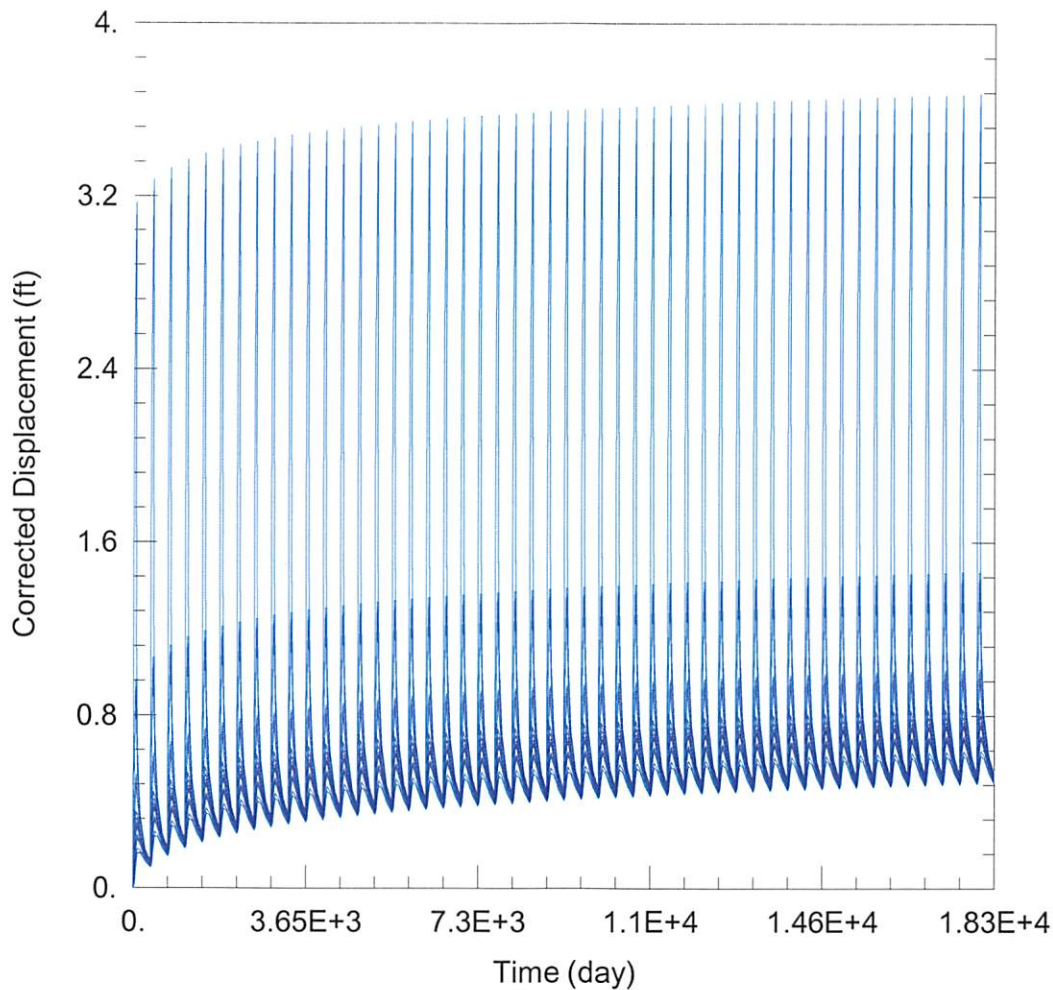
### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
16406 ID3	-99589	375246

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	-99589	375246
□ 23803	-101297	381344
□ 20928 ID1	-99527	377809
□ 20928 ID10	-101073	379614
□ 16406 ID2	-96896	377872
□ 16406 ID7	-98150	379064
□ 16046 ID8	-99483	380489
□ 14344	-104767	375270
□ 15730	-102695	377876
□ 20927	-102154	376035
□ 45870	-100594	376513
□ 21528 ID6	-99595	373567
□ 21528 ID8	-103192	373657
□ 20930	-97001	372596



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022\_moves\16406\16406 Proposed.aqt

Date: 05/23/22

Time: 15:09:22

PROJECT INFORMATION

Company: GMD 3

Project: 16406

Location: Kearny County

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
16406 ID3	-100405	376214

Well Name	X (ft)	Y (ft)
□	-100405	376214
□ 23803	-101297	381344
□ 20928 ID1	-99527	377809
□ 20928 ID10	-101073	379614
□ 16406 ID2	-96896	377872
□ 16406 ID7	-98150	379064
□ 16046 ID8	-99483	380489
□ 14344	-104767	375270
□ 15730	-102695	377876
□ 20927	-102154	376035
□ 45870	-100594	376513
□ 21528 ID6	-99595	373567
□ 21528 ID8	-103192	373657
□ 20930	-97001	372596