



37073: Drawdown from current location = 1.16 ft  
Drawdown from proposed location = 1.25 ft  
Net drawdown = **0.1 ft**

Domestic 1: Drawdown from current location = 1.28 ft  
Drawdown from proposed location = 1.75 ft  
Net drawdown = **0.5 ft**

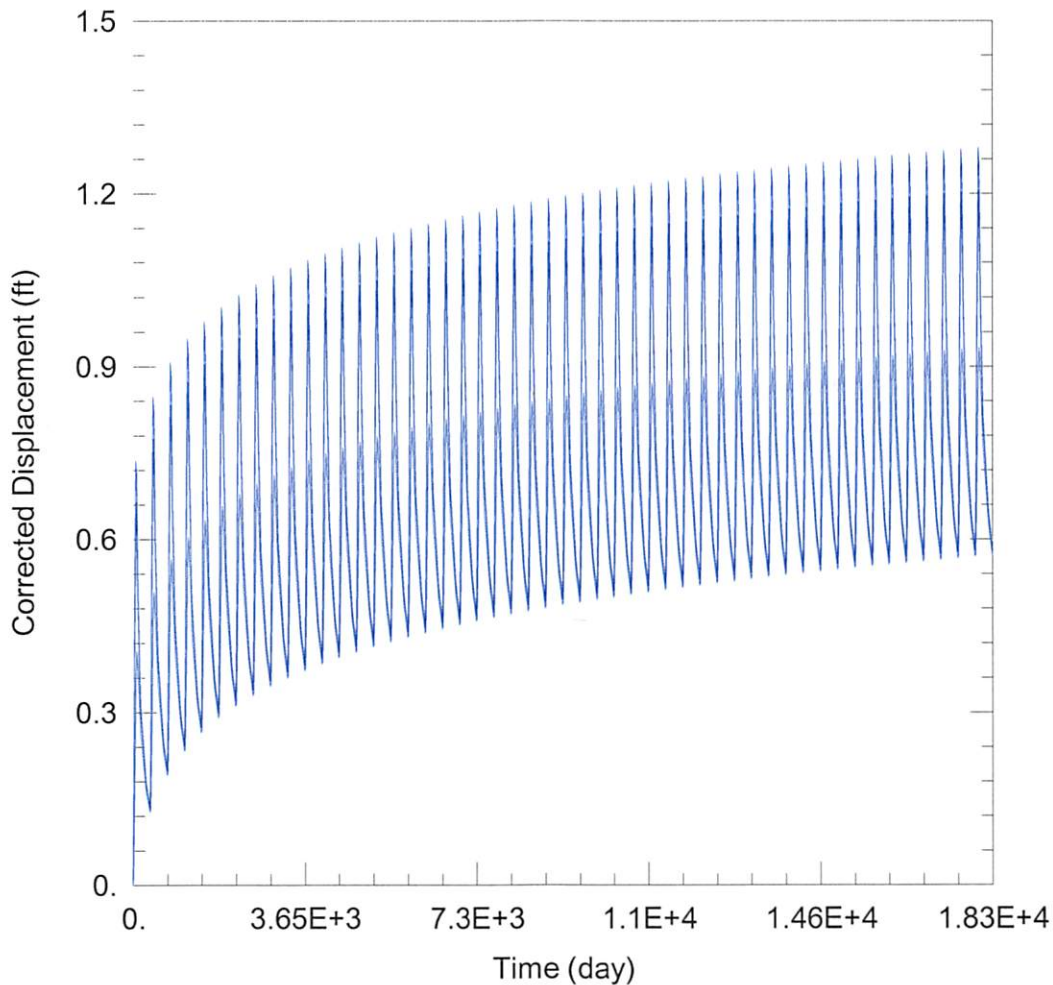
Domestic 2: Drawdown from current location = 1.21 ft  
Drawdown from proposed location = 2.01 ft  
Net drawdown = **0.8 ft**

Domestic 3: Drawdown from current location = 1.26 ft  
Drawdown from proposed location = 2.07 ft  
Net drawdown = **0.8 ft**

Net drawdown does not exceed the drawdown allowance of 4.0 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\22382\22382 Current.aqt

Date: 05/18/20

Time: 13:55:36

### PROJECT INFORMATION

Company: GMD 3

Project: 22382

Location: Meade County

Test Well: 22382

### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
22382	109035	201357

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	109035	201357
□ 30268 & 42747	108592	197394
□ 28405	111599	200067
□ 37073	110154	204083
□ Domestic 1	106455	201619
□ Domestic 2	106454	200295
□ Domestic 3	111044	199642

### SOLUTION

Aquifer Model: Unconfined

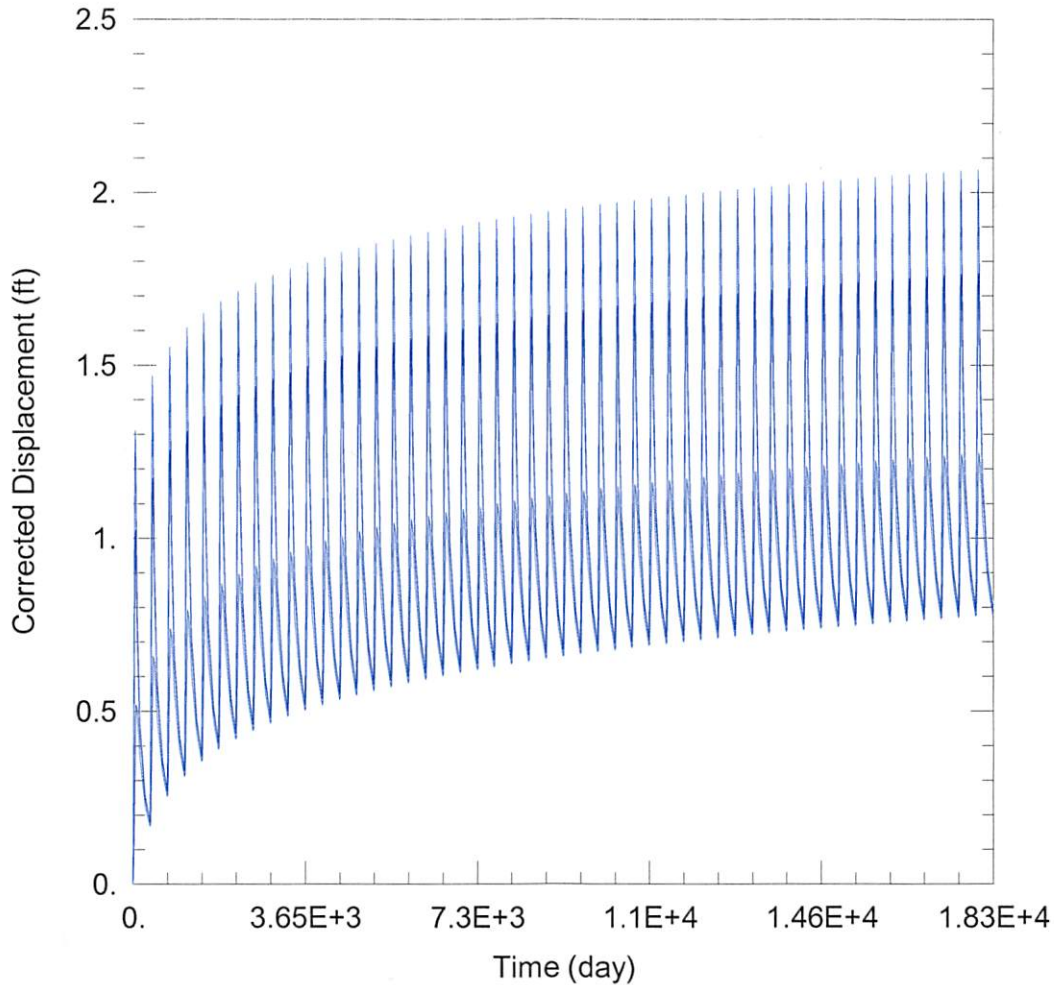
Solution Method: Theis

T = 9397.1 ft<sup>2</sup>/day

S = 0.08785

Kz/Kr = 1.

b = 271. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\22382\22382 Proposed.aqt  
 Date: 05/18/20 Time: 13:55:31

PROJECT INFORMATION

Company: GMD 3  
 Project: 22382  
 Location: Meade County  
 Test Well: 22382

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
22382	108804	200119	□	108804	200119
			□ 30268 & 42747	108592	197394
			□ 28405	111599	200067
			□ 37073	110154	204083
			□ Domestic 1	106455	201619
			□ Domestic 2	106454	200295
			□ Domestic 3	111044	199642

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Theis</u>
T = <u>9397.1 ft<sup>2</sup>/day</u>	S = <u>0.08785</u>
Kz/Kr = <u>1.</u>	b = <u>271. ft</u>