

6557 & 17656 ID1: Drawdown from current location = 2.57 ft
Drawdown from proposed location = 2.59 ft
Net drawdown = **0.0 ft**

6557 & 17656 ID2: Drawdown from current location = 2.12 ft
Drawdown from proposed location = 2.12 ft
Net drawdown = **0.0 ft**

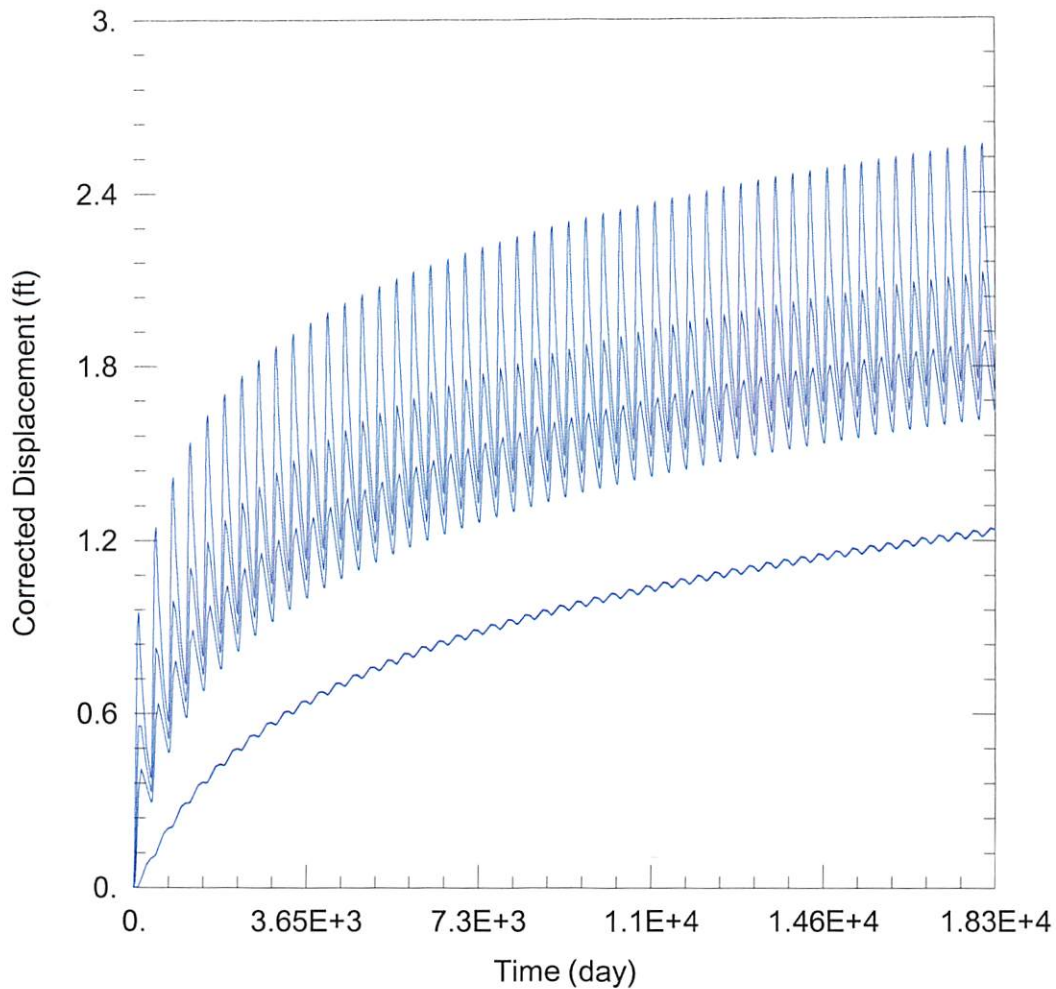
8197: Drawdown from current location = 1.24 ft
Drawdown from proposed location = 1.24 ft
Net drawdown = **0.0 ft**

6256: Drawdown from current location = 1.24 ft
Drawdown from proposed location = 1.24 ft
Net drawdown = **0.0 ft**

Net drawdown does not exceed the drawdown allowance of 1.0 ft for any well within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

The proposed new authority is located within an area with a depleted water table and does not meet spacing to neighboring wells. However, analysis shows effects of running the well at an additional 62 gpm to be negligible. GMD3 staff recommends waiver of rules and approval of the application.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\50568\50568 Current.aqt

Date: 06/18/21

Time: 15:20:22

PROJECT INFORMATION

Company: GMD 3

Project: 50568

Location: Kearny County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
13527	-187319	423165

Observation Wells

Well Name	X (ft)	Y (ft)
□	-187319	423165
□ 19800	-184732	422459
□ 6557 & 17656 ID1	-186465	421695
□ 6657 & 17656 ID2	-187363	420929
□ 8197	-184498	418779
□ 6256	-182140	422416

SOLUTION

Aquifer Model: Unconfined

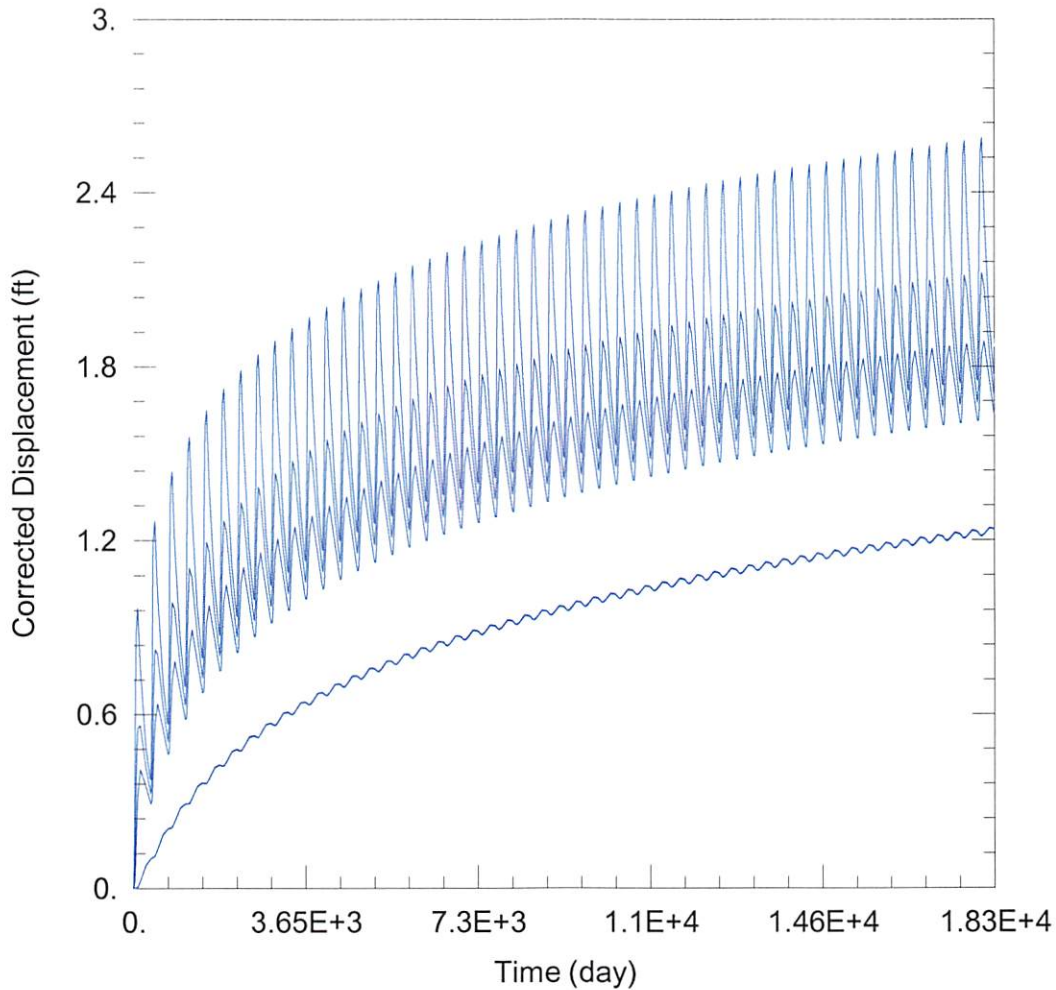
Solution Method: Thisis

T = 2986.9 ft²/day

S = 0.2174

Kz/Kr = 1.

b = 29. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\50568\50568 Proposed.aqt

Date: 06/18/21

Time: 15:19:05

PROJECT INFORMATION

Company: GMD 3

Project: 50568

Location: Kearny County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
13527	-187319	423165

Observation Wells

Well Name	X (ft)	Y (ft)
□	-187319	423165
□ 19800	-184732	422459
□ 6557 & 17656 ID1	-186465	421695
□ 6657 & 17656 ID2	-187363	420929
□ 8197	-184498	418779
□ 6256	-182140	422416

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 2986.9 ft²/day

S = 0.2174

Kz/Kr = 1.

b = 29. ft