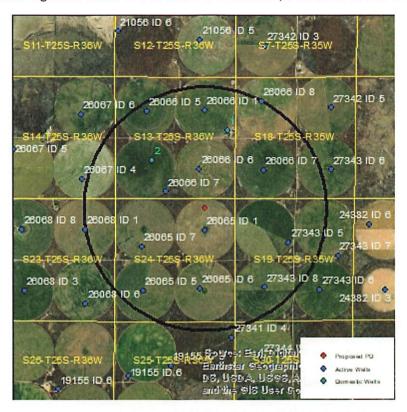
#### Evaluation of proposed move for Water Right No. 26065

Proposed: Move water right no. 26065 ID1 to a new well location, a distance of 963 ft to the north.



Wells within 1 mile: 26065 ID5, 26065 ID6, 26065 ID7, 26066 ID1, 26066 ID5, 26066 ID6, 26066 ID7 (section 13), 26066 ID7 (section 18), 26066 ID8, 27343 ID5, 27343 ID8, and two domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 239 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

50 year Theis Analysis: The following values were used to run the analysis:

S = 0.2356, T = 22,489 ft<sup>2</sup>/day,  $tp_{current} = 149$  days (based on average use and observed rate),  $Q_{current} = 217$  gpm (based on 2018 field inspection),  $tp_{proposed} = 67$  days,  $Q_{proposed} = 900$  gpm

Theis drawdowns were calculated as follows:

26065 ID5: Drawdown from current location = 0.41 ft

Drawdown from proposed location = 0.73 ft

Net drawdown = 0.3 ft

26065 ID6: Drawdown from current location = 0.51 ft

Drawdown from proposed location = 0.88 ft

Net drawdown = 0.4 ft

26065 ID7:

Drawdown from current location = 0.47 ft

Drawdown from proposed location = 0.95 ft

Net drawdown = 0.5 ft

26066 ID1:

Drawdown from current location = 0.34 ft

Drawdown from proposed location = 0.76 ft

Net drawdown = 0.4 ft

26066 ID5:

Drawdown from current location = 0.32 ft

Drawdown from proposed location = 0.68 ft

Net drawdown = 0.4 ft

26066 ID6:

Drawdown from current location = 0.49 ft

Drawdown from proposed location = 1.54 ft

Net drawdown = 1.0 ft

26066 ID7 S13:

Drawdown from current location = 0.52 ft

Drawdown from proposed location = 1.44 ft

Net drawdown = 0.9 ft

26066 ID7 S18:

Drawdown from current location = 0.41 ft

Drawdown from proposed location = 1.00 ft

Net drawdown = 0.6 ft

26066 ID8:

Drawdown from current location = 0.30 ft

Drawdown from proposed location = 0.64 ft

Net drawdown = 0.3 ft

27343 ID5:

Drawdown from current location = 0.41 ft

Drawdown from proposed location = 0.80 ft

Net drawdown = **0.4 ft** 

27343 ID8:

Drawdown from current location = 0.42 ft

Drawdown from proposed location = 0.75 ft

Net drawdown = 0.3 ft

Domestic 1: Drawdown from current location = 0.37 ft

Drawdown from proposed location = 0.87 ft

Net drawdown = 0.5 ft

Domestic 2: Drawdown from current location = 0.40 ft

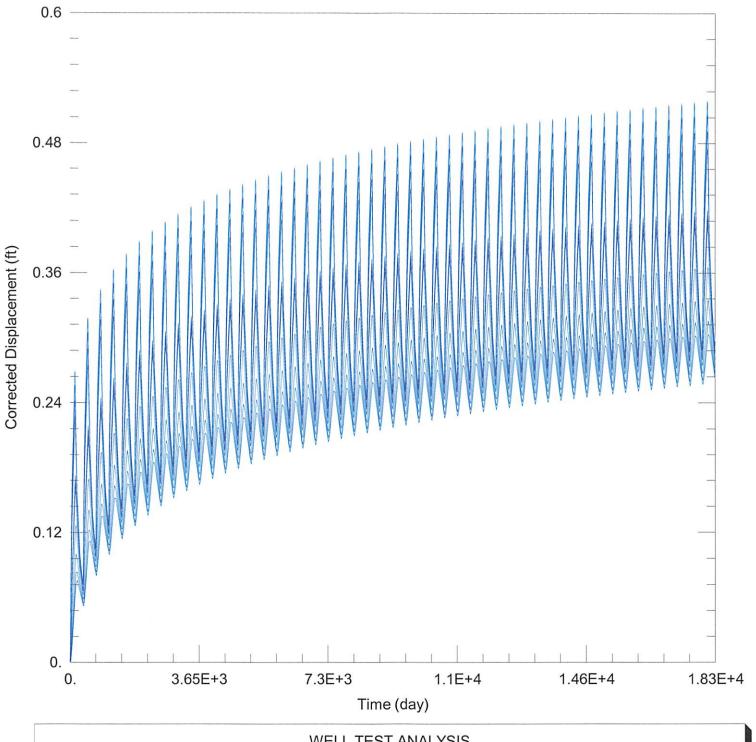
Drawdown from proposed location = 0.97 ft

Net drawdown = 0.6 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 appears unlikely to cause impairment. 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\26065\26065 Current.aqt

Date: 01/04/23 Time: 16:06:58

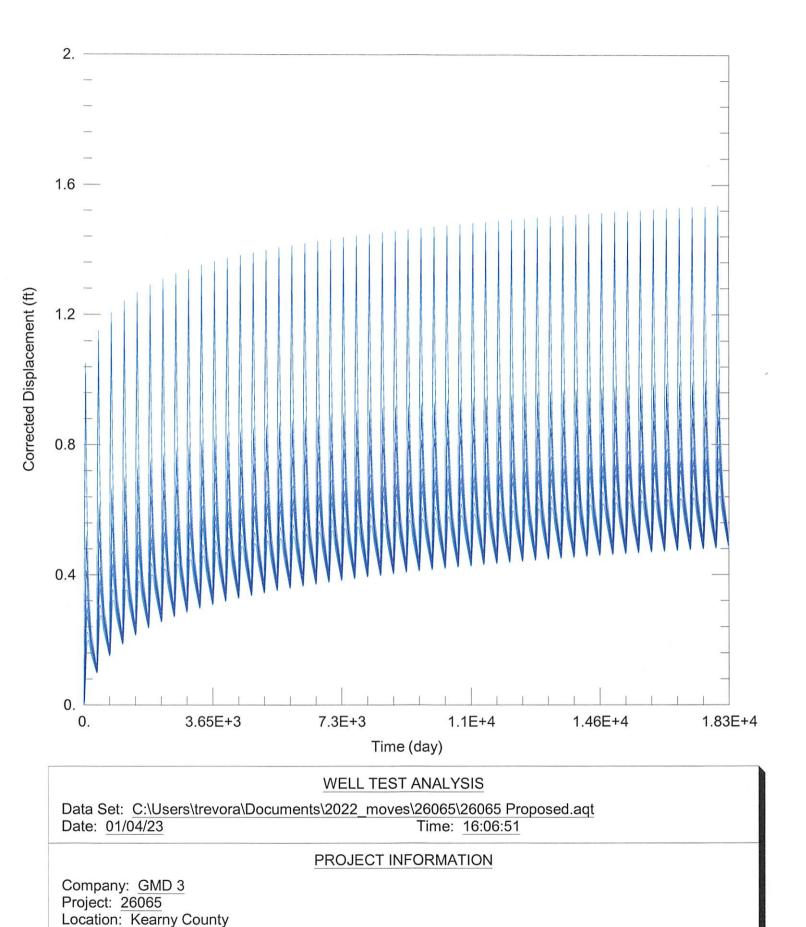
## PROJECT INFORMATION

Company: GMD 3 Project: 26065

Location: Kearny County

#### **WELL DATA**

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
26065 ID1	-120740	361913		-120740	361913



# WELL DATA

 Pumping Wells

 Well Name
 X (ft)
 Y (ft)

 26065 ID1
 -120725
 362876

 Well Name
 X (ft)
 Y (ft)

 -120725
 362876

**Observation Wells**