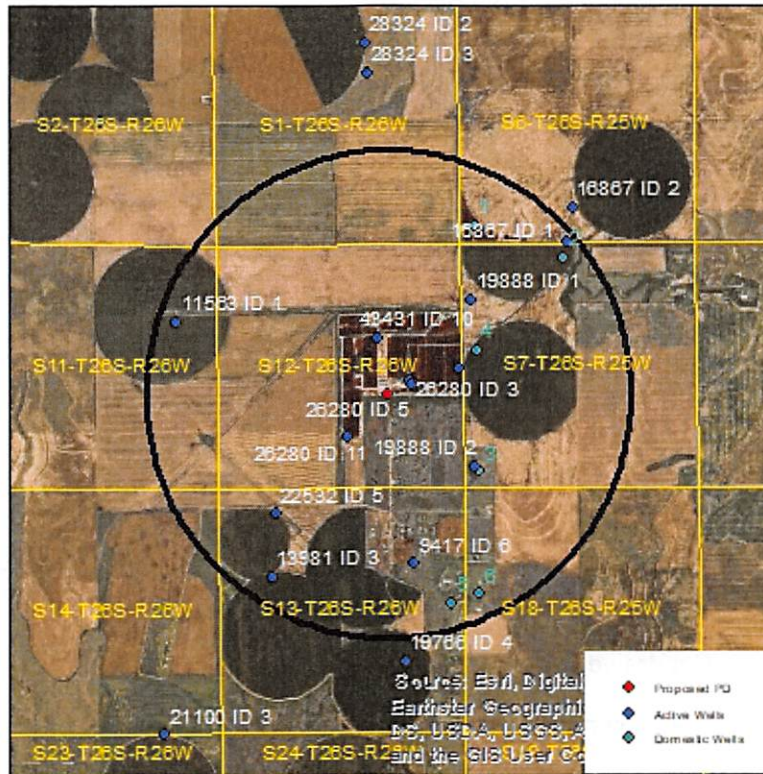


Evaluation of proposed move for Water Right No 26280 ID 3

Proposed: Move the authority under water right no. 26280 ID 3 to the standby well location, water right number 26280 ID 5. The well currently authorized under water right no. 26280 ID 3 will become a standby well.



Wells within 1 mile: 26280 ID 2, 26280 ID 9, 26280 ID 11, 43431 ID 10, 11563 ID 1, 22532 ID 5, 13981 ID 3, 9417 ID 6, 19888 ID 2, 19888 ID 1, and 6 domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 85 ft, based upon the GMD3 model. For saturated thickness between 75 ft and 100 ft, the drawdown allowance is 2.0 ft.

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

$S = 0.1559$, $T = 5,645.6 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 96 \text{ days}$ (based upon average use and authorized rate),
 $Q_{\text{current}} = 26 \text{ gpm}$ (based upon authorized rate), $tp_{\text{proposed}} = 365 \text{ days}$, $Q_{\text{proposed}} = 26 \text{ gpm}$

Theis drawdowns were calculated as follows:

26280 ID 2: Drawdown from current location = 0.52 ft
 Drawdown from proposed location = 0.81 ft
 Net drawdown = **0.3 ft**

26280 ID 9: Drawdown from current location = 0.21 ft
 Drawdown from proposed location = 0.50 ft

Net drawdown = **0.3 ft**

26280 ID 11: Drawdown from current location = 0.16 ft
Drawdown from proposed location = 0.43 ft
Net drawdown = **0.3 ft**

43431 ID 10: Drawdown from current location = 0.20 ft
Drawdown from proposed location = 0.48 ft
Net drawdown = **0.3 ft**

11563 ID 1: Drawdown from current location = 0.08 ft
Drawdown from proposed location = 0.28 ft
Net drawdown = **0.2 ft**

22532 ID 5: Drawdown from current location = 0.09 ft
Drawdown from proposed location = 0.32 ft
Net drawdown = **0.2 ft**

13981 ID 3: Drawdown from current location = 0.08 ft
Drawdown from proposed location = 0.29 ft
Net drawdown = **0.2 ft**

9417 ID 6: Drawdown from current location = 0.09 ft
Drawdown from proposed location = 0.33 ft
Net drawdown = **0.2 ft**

19888 ID 2: Drawdown from current location = 0.14 ft
Drawdown from proposed location = 0.40 ft
Net drawdown = **0.3 ft**

19888 ID 1: Drawdown from current location = 0.13 ft
Drawdown from proposed location = 0.40 ft
Net drawdown = **0.3 ft**

Domestic 1: Drawdown from current location = 0.10 ft
Drawdown from proposed location = 0.33 ft

Net drawdown = **0.2 ft**

Domestic 2:

Drawdown from current location = 0.09 ft

Drawdown from proposed location = 0.31 ft

Net drawdown = **0.2 ft**

Domestic 3:

Drawdown from current location = 0.13 ft

Drawdown from proposed location = 0.39 ft

Net drawdown = **0.3 ft**

Domestic 4:

Drawdown from current location = 0.17 ft

Drawdown from proposed location = 0.45 ft

Net drawdown = **0.3 ft**

Domestic 5:

Drawdown from current location = 0.08 ft

Drawdown from proposed location = 0.30 ft

Net drawdown = **0.2 ft**

Domestic 6:

Drawdown from current location = 0.08 ft

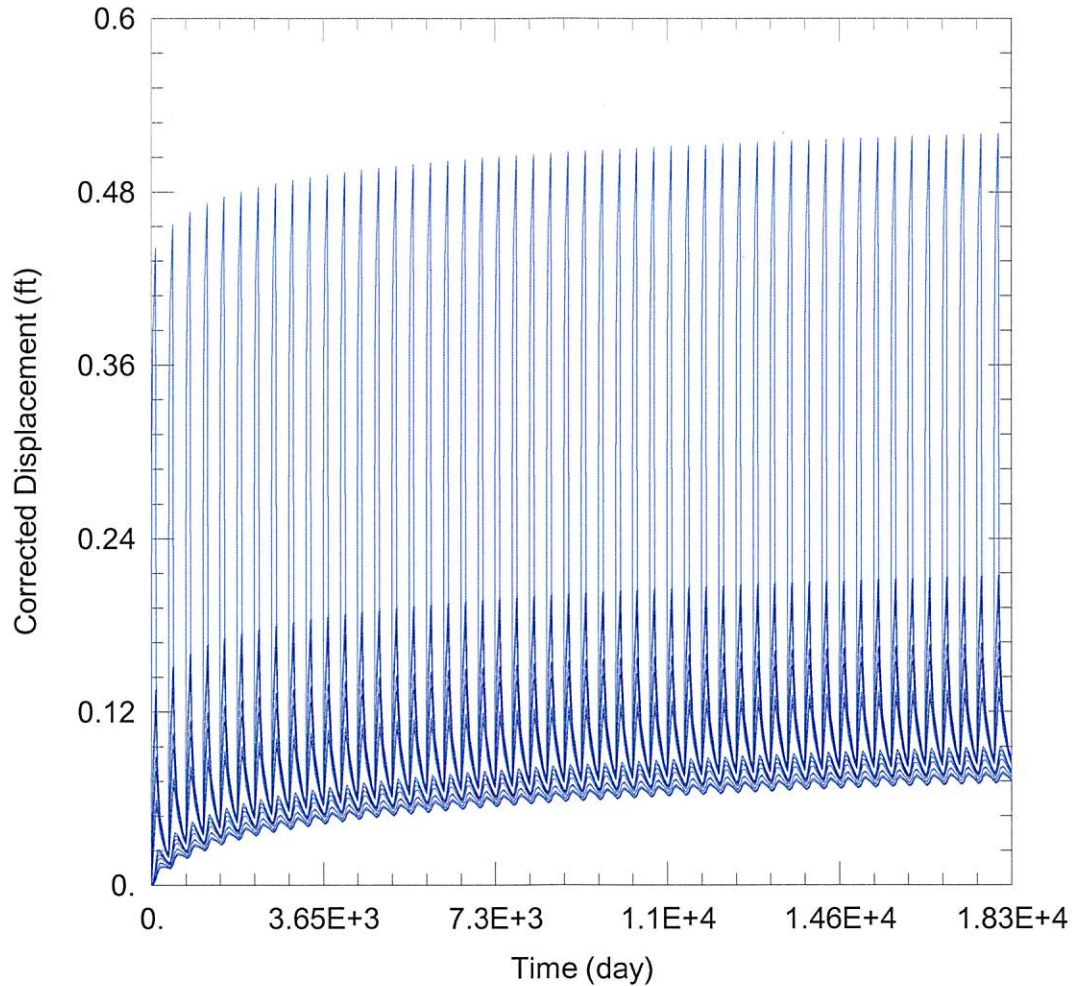
Drawdown from proposed location = 0.30 ft

Net drawdown = **0.2 ft**

Net drawdown does not exceed the drawdown allowance of 2.0 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\26280\26280 Current.aqt

Date: 05/11/20

Time: 16:41:26

PROJECT INFORMATION

Company: GMD 3

Project: 26280

Location: Ford County

Test Well: 26280

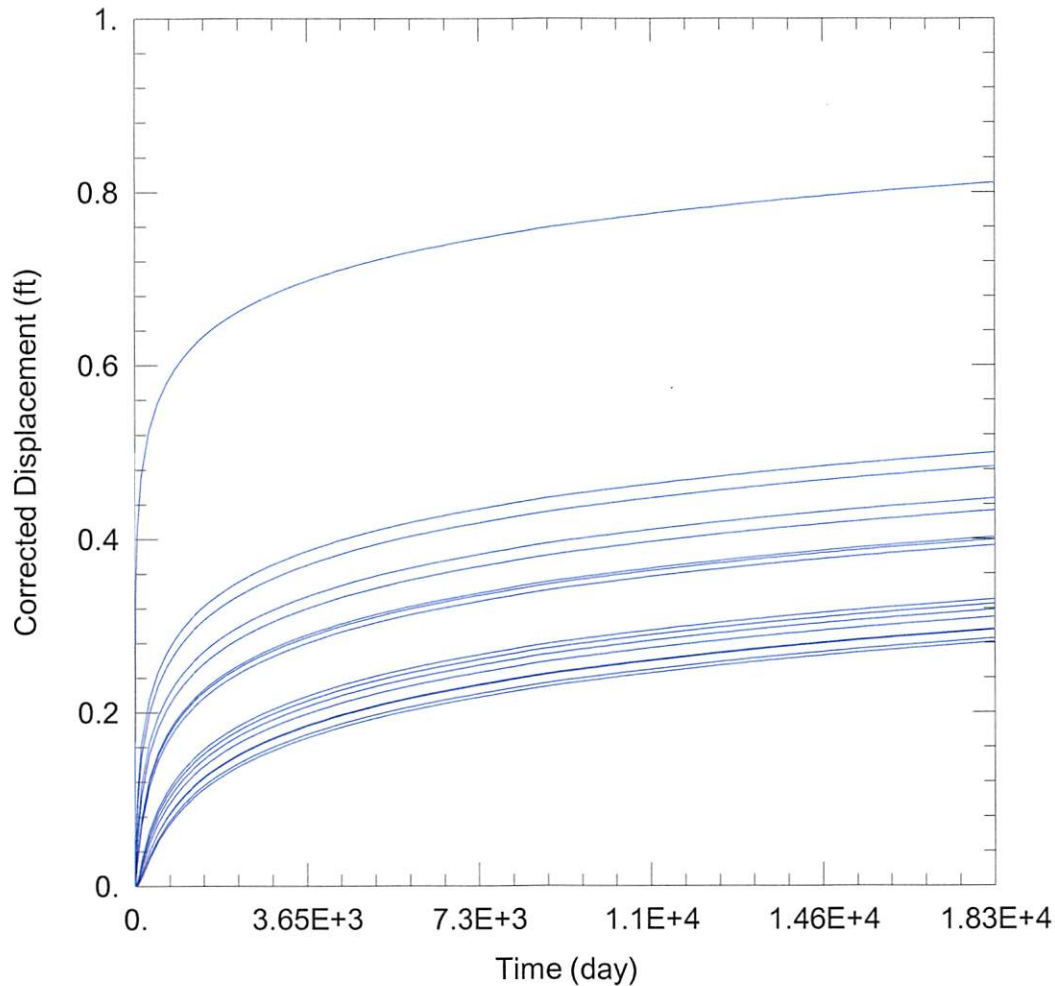
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
26280 ID 3	199307	337924

Observation Wells

Well Name	X (ft)	Y (ft)
□	199307	337924
□ 26280 ID 2	199281	338044
□ 26280 ID 9	200373	338269
□ 26280 ID 11	197912	336795
□ 43431 ID 10	198587	338952
□ 11563 ID 1	194201	339302
□ 22532 ID 5	196361	335150
□ 13981 ID 3	196287	333771
□ 9417 ID 6	199374	334067
□ 19888 ID 2	200694	336178
□ 19888 ID 1	200638	339769
□ Domestic 1	200692	341369
□ Domestic 2	202621	340666



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\26280\26280 Proposed.aqt

Date: 05/11/20

Time: 16:41:32

PROJECT INFORMATION

Company: GMD 3

Project: 26280

Location: Ford County

Test Well: 26280

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
26280 ID 3	199307	337924

Observation Wells

Well Name	X (ft)	Y (ft)
□ 199307	199307	337924
□ 26280 ID 2	199281	338044
□ 26280 ID 9	200373	338269
□ 26280 ID 11	197912	336795
□ 43431 ID 10	198587	338952
□ 11563 ID 1	194201	339302
□ 22532 ID 5	196361	335150
□ 13981 ID 3	196287	333771
□ 9417 ID 6	199374	334067
□ 19888 ID 2	200694	336178
□ 19888 ID 1	200638	339769
□ Domestic 1	200692	341369
□ Domestic 2	202621	340666