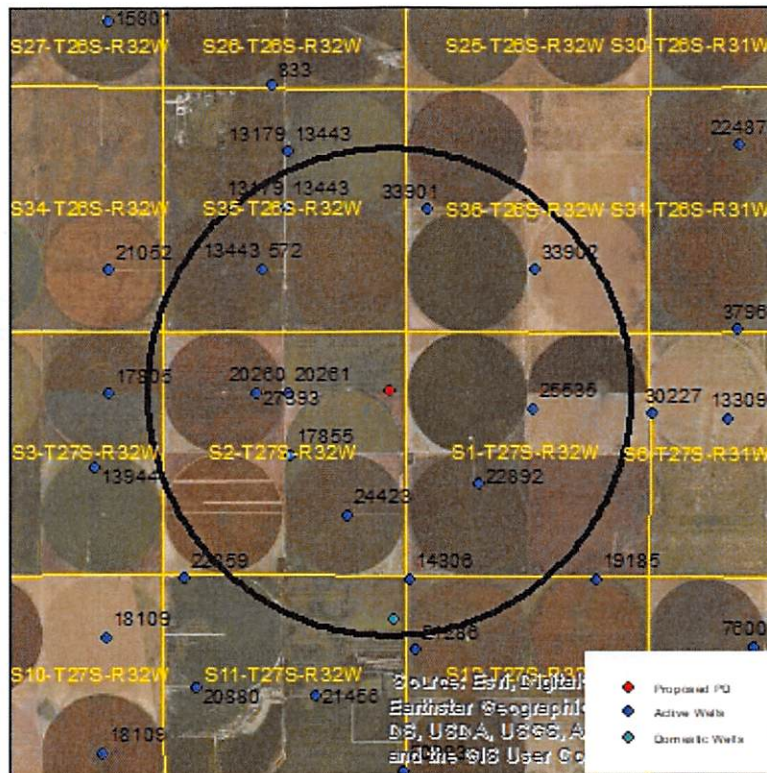


Evaluation of proposed move for Water Right Nos 20260 & 20261 & 27393

Proposed: Move water right nos. 20260 & 20261 & 27393 a distance of 2,221 ft to the east.



Wells within 1 mile: 27393, 17855, 24423, 14306, 22892, 25535, 33902, 33901, 572 & 13443, 13179 & 13443, and a domestic well in section 11-27-32.

The saturated thickness at the proposed well location is estimated to be 192 ft, based upon the driller's log and an observation well in section 27-26-32. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

$S = 0.0844$, $T = 15,761 \text{ ft}^2/\text{day}$, $t_{p, \text{proposed}} = 71 \text{ days}$, $Q_{\text{proposed}} = 1250 \text{ gpm}$

Theis drawdowns were calculated as follows:

27393:	Net drawdown = 2.7 ft
17855:	Net drawdown = 3.0 ft
24423:	Net drawdown = 2.8 ft
14306:	Net drawdown = 2.1 ft
22892:	Net drawdown = 2.8 ft
25535:	Net drawdown = 2.6 ft
33902:	Net drawdown = 2.0 ft

33901: Net drawdown = **2.1 ft**

572 & 13443: Net drawdown = **2.2 ft**

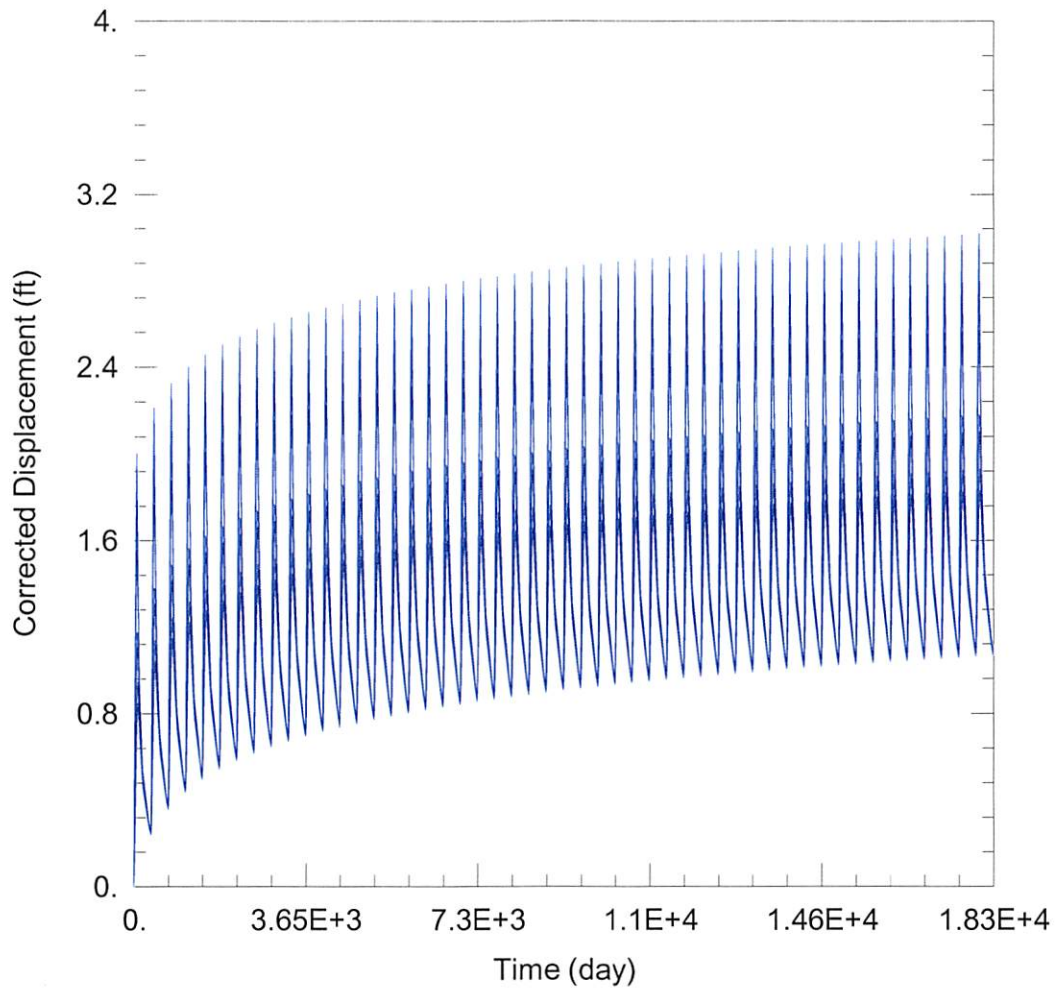
13179 & 13443: Net drawdown = **1.9 ft**

Domestic 11-27-32: Net drawdown = **1.8 ft**

Net drawdown does not exceed the drawdown allowance of 3.5 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:\...\20260 & 20261 & 27393 Proposed.aqt

Date: 04/02/20

Time: 11:14:20

PROJECT INFORMATION

Company: GMD 3

Project: 20260 & 20261 & 27393

Location: Haskell County

Test Well: 20260 & 2261 & 27393

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Proposed PD	5334	312429

Observation Wells

Well Name	X (ft)	Y (ft)
□	5334	312429
□ 27393	2451	312388
□ 17855	3193	311060
□ 24423	4444	309745
□ 14306	5780	308347
□ 22892	7307	310419
□ 25535	8457	312034
□ 33902	8503	315062
□ 33901	6175	316369
□ 572 & 13443	2555	315072
□ 13179 & 13443	3072	316442
□ Domestic 11-27-32	5435	307482