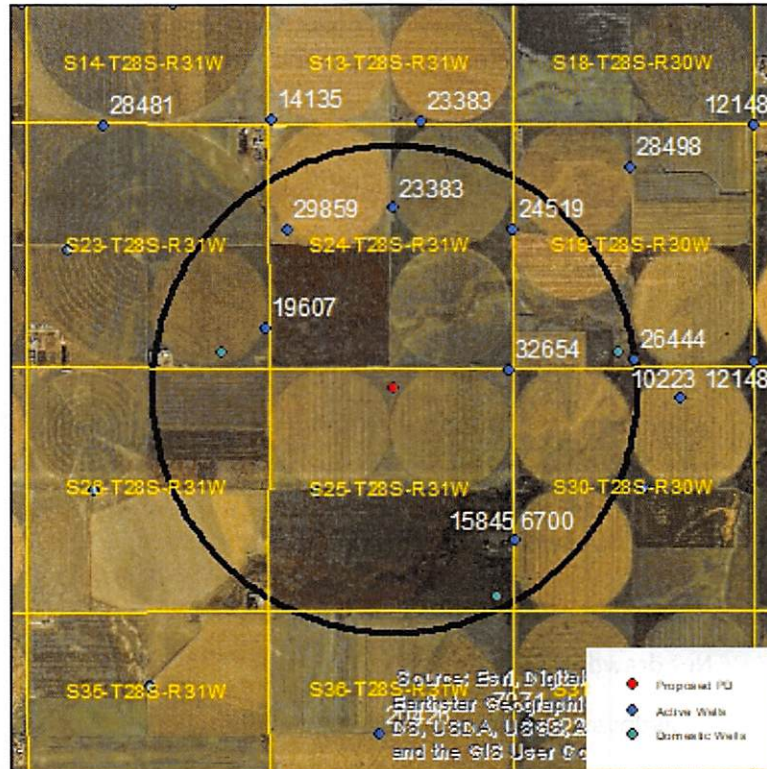


Evaluation of proposed additional well for Water Right No 32654

Proposed: Add an additional well under water right number 32654 at the location previously authorized to the west. This evaluation is being performed as if the additional well is located to the east because the move was very recent.



Wells within 1 mile: 19158, 6700 & 15845, 26444, 24519, 23383, 29859, 19607, a domestic well in section 23-28-31, a domestic well in section 19-28-30, and a domestic well in section 25-28-31.

The saturated thickness at the proposed well location is estimated to be 240 ft, based upon the GMD3 model. For saturated thicknesses greater than 200 ft, the maximum allowable 50 year Theis drawdown to neighboring critical wells is 4.0 ft.

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

$S = 0.2325$, $T = 9446 \text{ ft}^2/\text{day}$,

West Well: $tp_{\text{current}} = 78 \text{ days}$, $Q_{\text{current}} = 1275 \text{ gpm}$, $tp_{\text{proposed}} = 90 \text{ days}$, $Q_{\text{proposed}} = 775 \text{ gpm}$

East Well: $tp_{\text{proposed}} = 93 \text{ days}$, $Q_{\text{proposed}} = 500 \text{ gpm}$

Theis drawdowns were calculated as follows:

19158: Drawdown from current location = 2.88 ft
 Drawdown from proposed location = 2.89 ft
 Net drawdown = **0.0 ft**

6700 & 115845: Drawdown from current location = 2.17 ft
Drawdown from proposed location = 2.64 ft
Net drawdown = **0.5 ft**

26444: Drawdown from current location = 1.91 ft
Drawdown from proposed location = 2.63 ft
Net drawdown = **0.7 ft**

24519: Drawdown from current location = 2.14 ft
Drawdown from proposed location = 2.77 ft
Net drawdown = **0.6 ft**

23383: Drawdown from current location = 2.30 ft
Drawdown from proposed location = 2.62 ft
Net drawdown = **0.3 ft**

29859: Drawdown from current location = 2.20 ft
Drawdown from proposed location = 2.37 ft
Net drawdown = **0.2 ft**

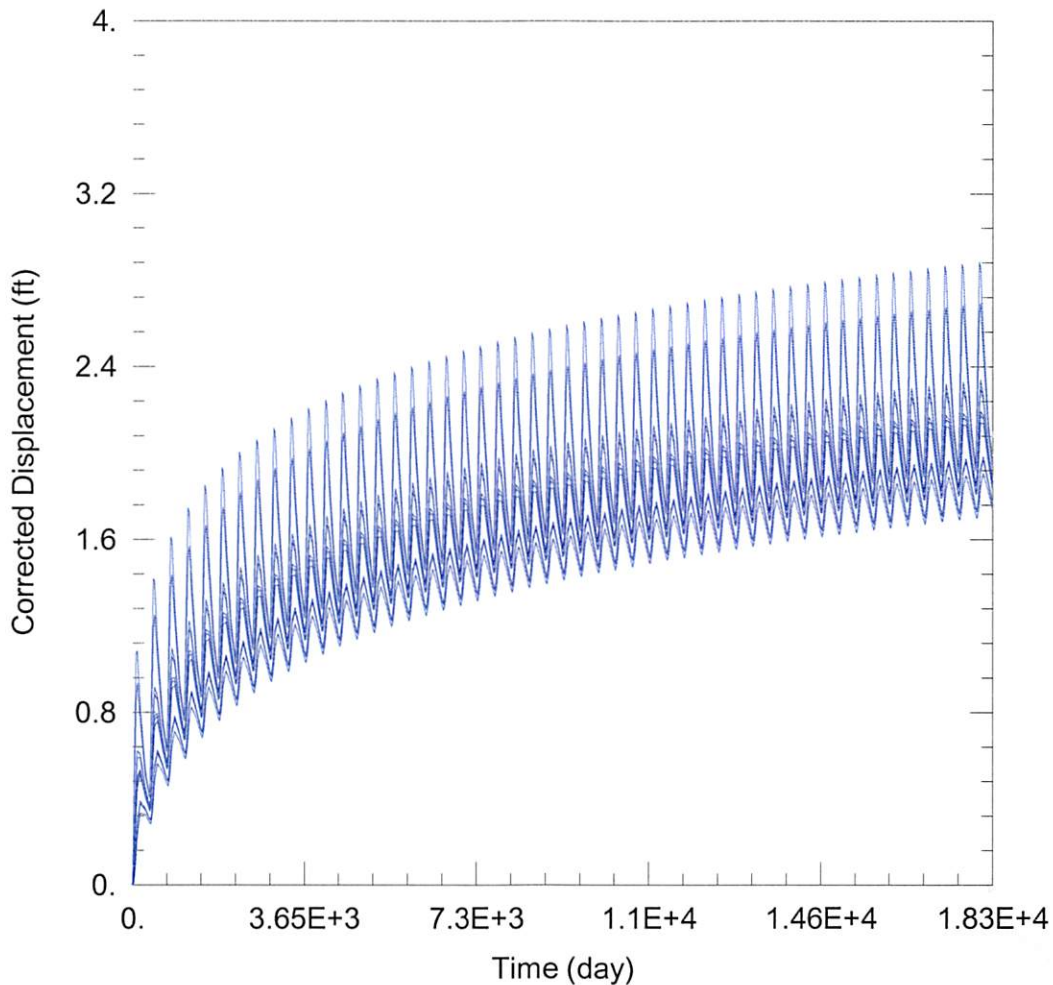
19607: Drawdown from current location = 2.69 ft
Drawdown from proposed location = 2.72 ft
Net drawdown = **0.0 ft**

Domestic 23-28-31: Drawdown from current location = 2.34 ft
Drawdown from proposed location = 2.41 ft
Net drawdown = **0.1 ft**

Domestic 19-28-30: Drawdown from current location = 1.98 ft
Drawdown from proposed location = 2.81 ft
Net drawdown = **0.8 ft**

Domestic 25-28-31: Drawdown from current location = 1.97 ft
Drawdown from proposed location = 2.30 ft
Net drawdown = **0.3 ft**

Net drawdown does not exceed the drawdown allowance on any neighboring wells, so critical well analysis is not necessary. This proposal will have a negligible effect on neighboring water rights.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\32654\32654 Current.aqt

Date: 08/13/19

Time: 14:24:07

PROJECT INFORMATION

Company: GMD 3

Project: 32654

Location: Haskell County

Test Well: 32654

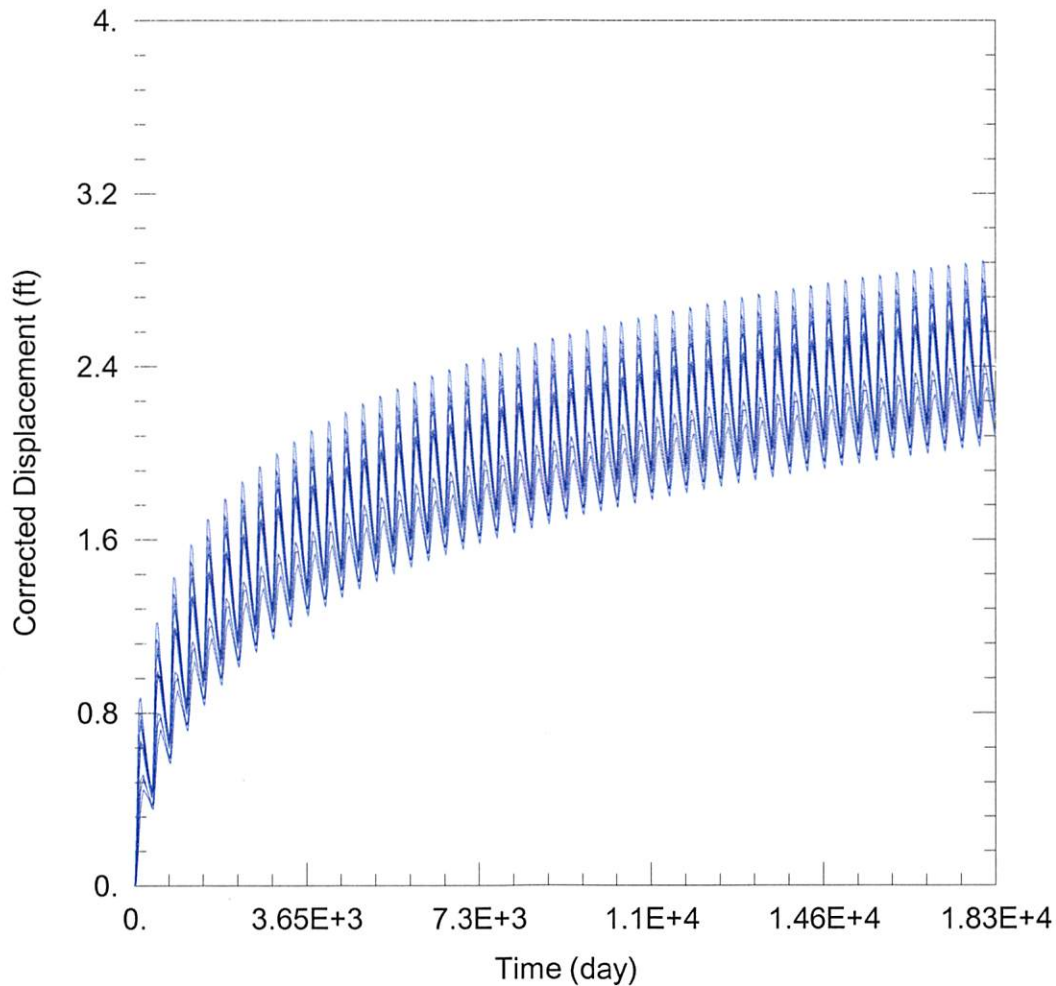
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
32654 West	40039	260328

Observation Wells

Well Name	X (ft)	Y (ft)
□	42519	260755
□	40039	260328
□ 19158	38357	258074
□ 6700 & 15845	42686	257037
□ 26444	45274	260950
□ 24519	42606	263795
□ 23383	40004	264239
□ 29859	37701	263781
□ 19607	37232	261664
□ Domestic 23-28-31	36296	261116
□ Domestic 19-28-30	44914	261127
□ Domestic 25-28-31	42278	255851



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\32654\32654 Proposed.aqt

Date: 08/13/19

Time: 11:51:17

PROJECT INFORMATION

Company: GMD 3

Project: 32654

Location: Haskell County

Test Well: 32654

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
	42519	260755
	40039	260328

Observation Wells

Well Name	X (ft)	Y (ft)
□	42519	260755
□	40039	260328
□ 19158	38357	258074
□ 6700 & 15845	42686	257037
□ 26444	45274	260950
□ 24519	42606	263795
□ 23383	40004	264239
□ 29859	37701	263781
□ 19607	37232	261664
□ Domestic 23-28-31	36296	261116
□ Domestic 19-28-30	44914	261127
□ Domestic 25-28-31	42278	255851