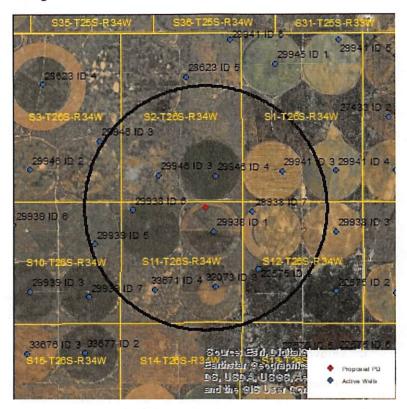
Evaluation of proposed move for Water Right No 29938 ID 1

Proposed: Move water right no. 29938 ID 1 a distance of 1,095 ft to the northwest.



Wells within 1 mile: 29938 ID 6, 29938 ID 7, 32073, 32671, 29939, 22575, 22941, 29946 ID 3, and 29946 ID 4.

The saturated thickness at the proposed well location is estimated to be 207 ft, based upon an observation well in section 3-26-34 and the driller's log at the proposed well location. 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 = 0.2971, T = 44,148 ft²/day, $tp_{current} = 275$ days (based upon average use and observed rate), $Q_{current} = 141$ gpm (based upon 2019 field inspection), $tp_{proposed} = 56$ days, $Q_{proposed} = 1100$ gpm

Theis drawdowns were calculated as follows:

29938 ID 6:

Drawdown from current location = 0.24 ft

Drawdown from proposed location = 0.60 ft

Net drawdown = 0.4 ft

22938 ID 7:

Drawdown from current location = 0.31 ft

Drawdown from proposed location = 0.87 ft

Net drawdown = 0.6 ft

32073: Drawdown from current location = 0.28 ft

Drawdown from proposed location = 0.56 ft

Net drawdown = **0.3** ft

32671: Drawdown from current location = 0.25 ft

Drawdown from proposed location = 0.49 ft

Net drawdown = 0.2 ft

29939: Drawdown from current location = 0.21 ft

Drawdown from proposed location = 0.41 ft

Net drawdown = 0.2 ft

22575: Drawdown from current location = 0.28 ft

Drawdown from proposed location = 0.56 ft

Net drawdown = 0.3 ft

22941: Drawdown from current location = 0.24 ft

Drawdown from proposed location = 0.54 ft

Net drawdown = 0.3 ft

29946 ID 3: Drawdown from current location = 0.25 ft

Drawdown from proposed location = 0.75 ft

Net drawdown = 0.5 ft

29946 ID 4: Drawdown from current location = 0.29 ft

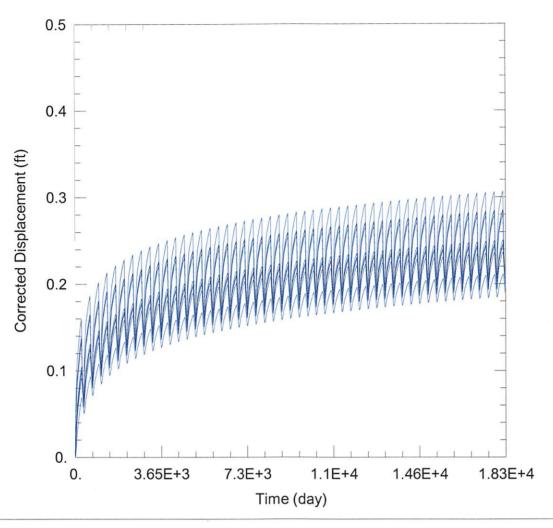
Drawdown from proposed location = 1.13 ft

Net drawdown = 0.8 ft

Net drawdown does not exceed the drawdown allowance of 4.0 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\29938\29938 Current.aqt

Date: 05/27/20 Time: 14:52:18

PROJECT INFORMATION

Company: GMD 3
Project: 29938 ID 1
Location: Finney County
Test Well: 29938 ID 1

WELL DATA

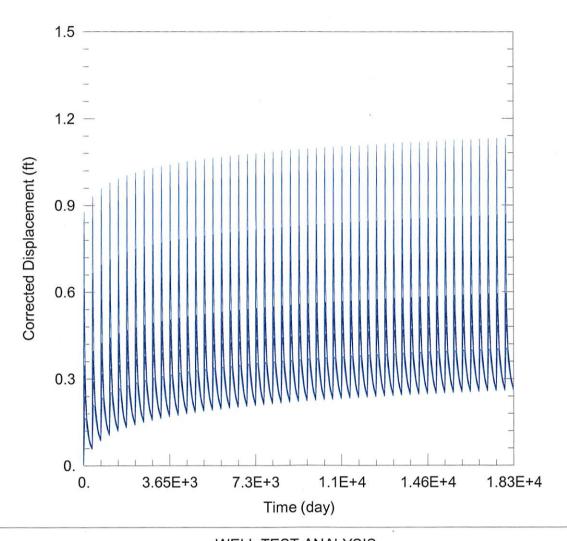
Pumping Wells			
Well Name	X (ft)	Y (ft)	
29938 ID 1	-58719	338977	

Well Name	X (ft)	Y (ft)
	-58719	338977
□ 29938 ID 6	-62270	339913
□ 22938 ID 7	-57027	339854
32073	-58653	336573
32671	-61275	336464
29939	-63905	338435
22575	-56780	337370
22941	-55734	341578
□ 29946 ID 3	-61127	341400
□ 29946 ID 4	-58650	341354

Observation Wells

SOLUTION

ifor Model. Uncomfined Calific Mathed. Th



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\29938\29938 Proposed.aqt

Date: 05/27/20 Time: 14:52:10

PROJECT INFORMATION

Company: GMD 3
Project: 29938 ID 1
Location: Finney County
Test Well: 29938 ID 1

WELL DATA

Pumping Wells			
Well Name	X (ft)	Y (ft)	
29938 ID 1	-59083	340009	

Well Name	X (ft)	Y (ft)
0	-59083	340009
□ 29938 ID 6	-62270	339913
□ 22938 ID 7	-57027	339854
□ 32073	-58653	336573
□ 32671	-61275	336464
29939	-63905	338435
22575	-56780	337370
22941	-55734	341578
□ 29946 ID 3	-61127	341400
□ 29946 ID 4	-58650	341354

Observation Wells

SOLUTION

Califica Mathed. Thata