



## NOTICE OF PERMIT HEARING

### PRAIRIELANDS GROUNDWATER CONSERVATION DISTRICT

To be held

9:00 AM, Monday, July 20, 2026

**NOTICE IS HEREBY GIVEN** to all interested persons within the Prairielands Groundwater Conservation District, consisting of Ellis, Hill, Johnson, and Somervell counties: That the Board of Directors of the Prairielands Groundwater Conservation District (PGCD) will hold hearing(s) on applications for Operating Permits (OP) and/or Permit Amendments by the below listed parties on Monday, July 20, 2026, beginning at 9:00 AM at the District board room located at 208 Kimberly Drive, Cleburne, Texas 76031.

**NOTICE** is hereby specifically given to:

1. Mountain Peak SUD, for a proposed amendment to an Operating Permit (OP-24-064-B) for authorization to drill five (5) new non-exempt wells (PGCD-003682, 32.40556100, -96.96987480); (PGCD-003685, 32.40416520, -96.99647370); (PGCD-003686, 32.39870810, -96.98256350); (PGCD-003687, 32.39073440, -96.97300340); and (PGCD-003771, 32.38120350, -96.96561740) located within CCN #10908 in Ellis County; Public Water Supply
2. Midway Water Utilities (The Retreat Water Supply) (PWS #1260127), for authorization through an Operating Permit (OP-26-110) to amend an existing well registration to substantially alter and increase the maximum designed production capacity from 290 GPM to 308 GPM. The existing well (PGCD-000838; 32.21531700, -97.52238800) is located within CCN #12087 in Johnson County at 7416 Muirfield Dr, Cleburne; Public Water Supply

If approved, the permit(s) and/or permit amendments requested in the applications above would authorize the permit holder to withdraw groundwater from a water well according to the terms and conditions set forth in the permit. If you would like to contest an application for a permit or permit amendment, you must comply with District Rule 10.6 and either appear at the hearing or submit a written Request for Contested Case Hearing that complies with District Rule 10.6 and that must be received by the District prior to the date of the hearing. A person who submits a written Request for Contested Case Hearing who is unable to appear at the hearing on the date and time set forth above must also timely file a motion for continuance with PGCD demonstrating good cause for the inability to appear. For additional information about a particular permit application, the permitting process, or a compliance order application, or to obtain a Request for Contested Case Hearing form, please contact the PGCD office at (817) 556-2299. Blind persons who wish to have this notice read to them may call (817) 556-2299.

### Certification

I, the undersigned authority, do hereby certify that on or before July 10, 2026, at or before 9:00 AM, I posted and filed the above notice of meeting(s) and hearing(s) with the Texas Secretary of State, the Ellis, Hill, Johnson, and Somervell county clerk's offices, and also posted a copy in the

front window of the Prairielands GCD office in a place convenient and readily accessible to the general public at all times and that it will remain so posted continuously for at least 10 days preceding the scheduled time of said meeting in accordance with the Texas Government Code, Chapter 551.

A handwritten signature in blue ink, appearing to read "K. Jones", is positioned above a horizontal line.

---

Kathy Turner Jones, General Manager  
Prairielands Groundwater Conservation District



## Mountain Peak SUD

ATTN: Ruben Garza  
5671 Waterworks Road  
Midlothian, TX 76065

**Permit No. OP-24-064-C**

### AMEND OPERATING PERMIT (New Well Only) (No Production)

**Date of Hearing:** July 20, 2026

**Request:** Authorization to drill five (5) new wells only

**GM Recommendation:** Authorization to drill five (5) new wells only

**Water Use:** Public Water Supply

**Location(s):**

- PGCD-003682 - Water Plant 11 Address TBD  
(32.40556100, -96.96987480)
- PGCD-003685 - Water Plant 13 Address TBD  
(32.40416520, -96.99647370)
- PGCD-003686 - Water Plant 9 Address TBD  
(32.39870810, -96.98256350)
- PGCD-003687 - Water Plant 8 Address TBD  
(32.39073440, -96.97300340)
- PGCD-003771 - Water Plant 14 Address TBD  
(32.38120350, -96.96561740)

**County:** Ellis

**Acreage within CCN/  
Service Area:** 62,126.60 acres

### PROPOSED NEW WELL INFORMATION #1

|                          |                                   |                         |           |
|--------------------------|-----------------------------------|-------------------------|-----------|
| <b>Well ID:</b>          | PGCD-003682                       | <b>Well Driller:</b>    | TBD       |
| <b>Diameter:</b>         | 14 inches                         | <b>Capacity:</b>        | 1,200 GPM |
| <b>Total Well Depth:</b> | 2,510 feet<br>(Pearsall, Hosston) | <b>Minimum Spacing:</b> | Pass      |

#### PROPOSED NEW WELL INFORMATION #2

|                          |                                   |                         |           |
|--------------------------|-----------------------------------|-------------------------|-----------|
| <b>Well ID:</b>          | PGCD-003685                       | <b>Well Driller:</b>    | TBD       |
| <b>Diameter:</b>         | 14 inches                         | <b>Capacity:</b>        | 1,200 GPM |
| <b>Total Well Depth:</b> | 2,460 feet<br>(Pearsall, Hosston) | <b>Minimum Spacing:</b> | Pass      |

#### PROPOSED NEW WELL INFORMATION #3

|                          |                                   |                         |           |
|--------------------------|-----------------------------------|-------------------------|-----------|
| <b>Well ID:</b>          | PGCD-003686                       | <b>Well Driller:</b>    | TBD       |
| <b>Diameter:</b>         | 14 inches                         | <b>Capacity:</b>        | 1,200 GPM |
| <b>Total Well Depth:</b> | 2,500 feet<br>(Pearsall, Hosston) | <b>Minimum Spacing:</b> | Pass      |

#### PROPOSED NEW WELL INFORMATION #4

|                          |                                   |                         |                                      |
|--------------------------|-----------------------------------|-------------------------|--------------------------------------|
| <b>Well ID:</b>          | PGCD-003687                       | <b>Well Driller:</b>    | TBD                                  |
| <b>Diameter:</b>         | 14 inches                         | <b>Capacity:</b>        | 1,200 GPM                            |
| <b>Total Well Depth:</b> | 2,540 feet<br>(Pearsall, Hosston) | <b>Minimum Spacing:</b> | Pass at 1,200 GPM with CCN amendment |

#### PROPOSED NEW WELL INFORMATION #5

|                          |                                   |                         |                                      |
|--------------------------|-----------------------------------|-------------------------|--------------------------------------|
| <b>Well ID:</b>          | PGCD-003771                       | <b>Well Driller:</b>    | TBD                                  |
| <b>Diameter:</b>         | 14 inches                         | <b>Capacity:</b>        | 1,200 GPM                            |
| <b>Total Well Depth:</b> | 2,560 feet<br>(Pearsall, Hosston) | <b>Minimum Spacing:</b> | Pass at 1,150 GPM with CCN amendment |

#### INFORMATION

1. Applicant is requesting to amend OP-24-064-B to register, drill, and construct five new non-exempt wells within the bounds of their CCN/service area located in Ellis County.
2. Applicant currently holds OP-24-064-B approved June 15, 2026, for substantially altering two existing wells (PGCD-000472 and PGCD-000479) within the bounds of their CCN/service area located in Ellis County.
3. **Historic Use Permit Information:** Applicant has a Historic Use Permit (HUP-027), approved October 27, 2022, in the amount of 731,260,670 gallons.

4. Applicant is not requesting additional production authorization.
5. **Other General Information:** Applicant holds a bounded Certificate of Convenience and Necessity (CCN) (#10908) with an interconnection with the City of Midlothian. Portions of Applicant's CCN overlap with the City of Midlothian, Sardis Lone Elm WSC, City of Venus, Johnson County Special Utility District and Buena Vista Bethel WSC. The applicant plans to submit a CCN amendment to the Public Utility Commission (PUC) to expand its service area by approximately 400 acres to the south. The proposed amendment would include a master-planned development that the applicant intends to serve. Mountain Peak SUD also sells to Southern Acres Water system and the City of Maypearl. Applicant's primary source of water for the system is purchased surface water.
6. **District Staff Technical Review and Recommendation:** Mountain Peak SUD is a community water system that currently operates twelve existing wells to supply potable water to residents in Ellis County. The system serves an estimated population of 23,988 through approximately 8,162 service connections. The applicant has submitted well registration applications and requests authorization to begin construction of five new wells within its CCN service area to address the rapid population growth occurring within the system.

Well spacing analyses were completed using information from the submitted well registrations, PGCD and TWDB databases, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model.

Based on the well spacing analysis, wells PGCD-003682, PGCD-003685, and PGCD-003686 comply with the District's spacing requirements with a maximum designed production capacity of 1,200 GPM each in the Pearsall/Hosston formations under the current CCN boundaries.

If the applicant's proposed CCN amendment is approved by the PUC, well PGCD-003687 would comply with the District's spacing requirements at a maximum designed production capacity of 1,200 GPM in the Pearsall/Hosston formations.

Provided the applicant's proposed CCN amendment is approved by the PUC, well PGCD-003771 would comply with spacing requirements if its target production rate is reduced to 1,150 GPM in the Pearsall/Hosston formations.

7. The permit application is administratively complete.
8. No written opposition was received regarding the proposed permit.

#### **GENERAL MANAGER'S RECOMMENDATION**

**Based on the technical review and staff recommendation, it would be the General Manager's recommendation for the Board to authorize approval of OP-24-064-C for the registration,**

**drilling, construction, and operation of PGCD-003682, PGCD-003685, and PGCD-003686 as submitted.**

**Staff further recommends approval of well PGCD-003687, for the registration, drilling, and construction, contingent upon the applicant submitting a CCN amendment to the PUC within 30 days of the Board's approval of the operating permit. Production from the well shall not commence until the applicant's CCN amendment has been approved by the PUC.**

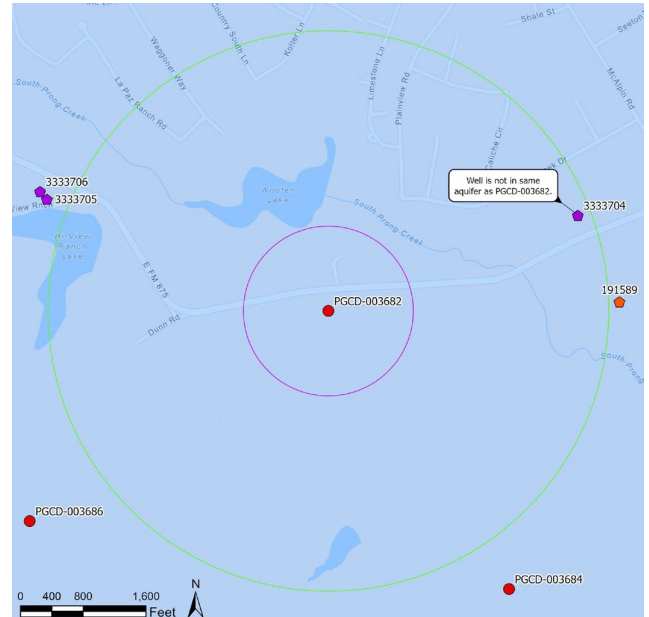
**Staff also recommends approval of well PGCD-003771, for the registration, drilling, and construction, contingent upon the applicant submitting a CCN amendment to the PUC within 30 days of the Board's approval of the operating permit. Approval is also contingent upon reducing the well's target production rate to 1,150 GPM. Production from the well shall not commence until the applicant's CCN amendment has been approved by the PUC.**

# PGCD Well Spacing Analysis Summary

Date: 6.29.2026  
 Property Owner: Mountain Peak SUD  
 County: Ellis

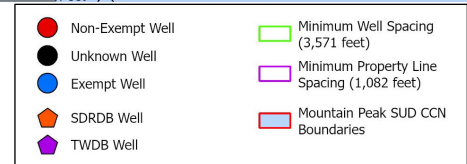
## Well Information

Well ID: PGCD-003682  
 Location of proposed well: 32.4055610, -96.9698748  
 Surface Elevation (ft): 741  
 Well Depth (ft): 2,510  
 Diameter (in): 14  
 Pumping Rate (gpm): 1,200  
 Depth to First Screen (ft): 2,250  
 Target Aquifer: Pearsall/Hosston  
 Primary Use: Public Water Supply  
 Nearest Well (ft) in target aquifer: 3,982  
 Nearest Property/CCN Line (ft): 5,774



## Spacing Distance Calculations

|                                               | Pearsall     | Hosston      |
|-----------------------------------------------|--------------|--------------|
| Hydraulic Conductivity (ft/d)                 | 0.534        | 1.537        |
| Aquifer Layer Thickness (feet)                | 253          | 157          |
| Transmissivity (T, gpd/ft)                    | 1009.30      | 1809.60      |
| Storativity (S, unitless)                     | 6.57E-05     | 5.04E-05     |
| Pump Percentage                               | 36%          | 64%          |
| Pumping Rate (Q, gpm)                         | 429.66       | 770.34       |
| Time (t, days)                                | 1.5          | 1.5          |
| Available Drawdown at Nearest Well (ft)       | 1479.42      | 1159.54      |
| Available Drawdown at CCN/Property Line (ft)  | 1551.33      | 1281.90      |
| Drawdown Limit at Wells (1%)                  | 14.79        | 11.60        |
| Drawdown Limit at Property Line (10%)         | 155.13       | 128.19       |
| <b>Required Minimum Well Spacing (ft)</b>     | <b>2,259</b> | <b>3,571</b> |
| <b>Required Minimum Property Spacing (ft)</b> | <b>536</b>   | <b>1,082</b> |
| <b>Meets Well Spacing Requirements?</b>       | <b>Pass</b>  | <b>Pass</b>  |
| <b>Meets Property Spacing Requirements?</b>   | <b>Pass</b>  | <b>Pass</b>  |

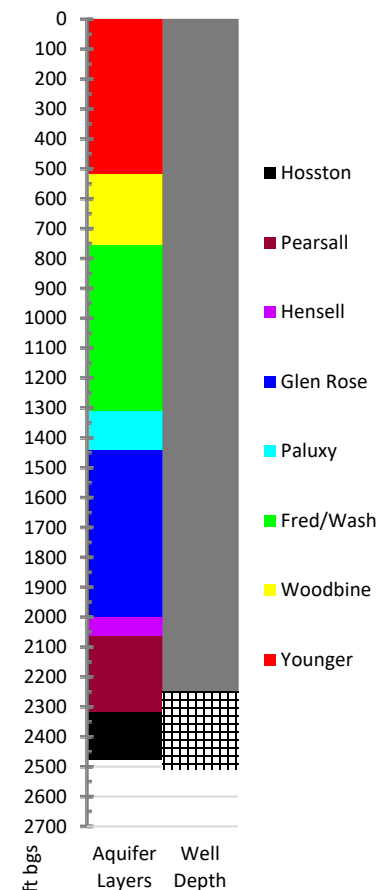


## Staff Findings and Recommendations

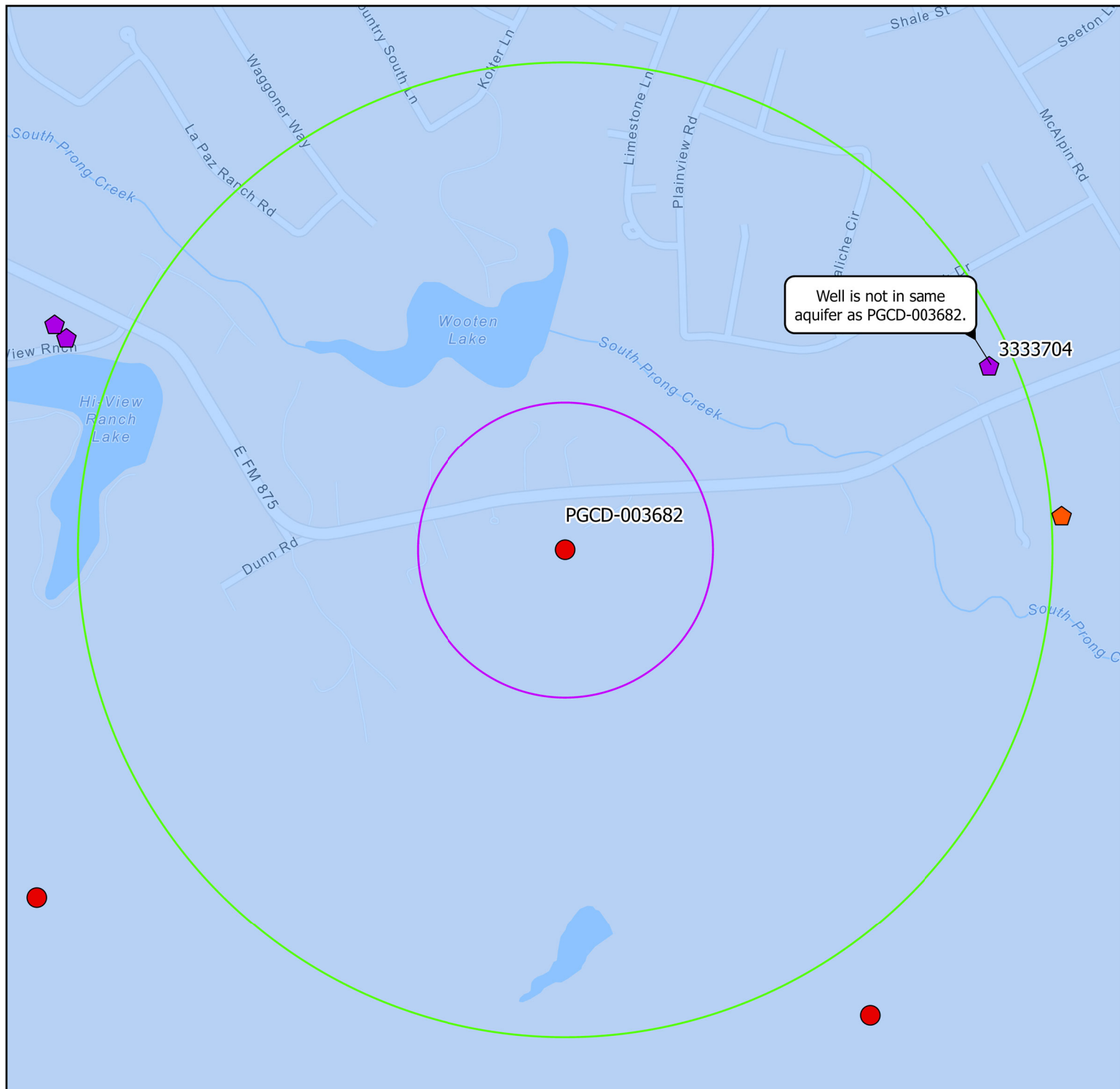
The above analysis is based on data from Prairielands Groundwater Conservation District (PGCD), the Texas Water Development Board, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model (2014). According to this analysis, the proposed well meets PGCD spacing requirements described in Rule 4.3. Notably, the nearest CCN boundary is approximately 5,774 feet away, and the closest known well (located within the same aquifer) is approximately 3,982 feet from the proposed well site. These calculations were conducted utilizing the modeled head values for each aquifer that the proposed well will be screened across. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer, utilizing the transmissivity of the individual layer.

Analysis Prepared by: Dillon Bybee, P.G.

Analysis Reviewed by: Dillon Bybee, P.G.







BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



According to this analysis, the proposed well meets PGCD spacing requirements. Notably, the nearest CCN boundary is approximately 5,774 feet away, and the closest known well (located within the same aquifer) is approximately 3,982 feet from the proposed well site. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer.

- |                                                    |                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <span style="color: red;">●</span> Non-Exempt Well | <span style="border: 1px solid green; padding: 2px;"> </span> Minimum Well Spacing (3,571 feet)           |
| <span style="color: black;">●</span> Unknown Well  | <span style="border: 1px solid purple; padding: 2px;"> </span> Minimum Property Line Spacing (1,082 feet) |
| <span style="color: blue;">●</span> Exempt Well    | <span style="border: 1px solid red; padding: 2px;"> </span> Mountain Peak SUD CCN Boundaries              |
| <span style="color: orange;">◆</span> SDRDB Well   |                                                                                                           |
| <span style="color: purple;">◆</span> TWDB Well    |                                                                                                           |



## Mountain Peak SUD Spacing Analysis Map (PGCD-003682)

OP-24-064-C

GIS Analyst: DWB

Date Revised: 6/29/2026

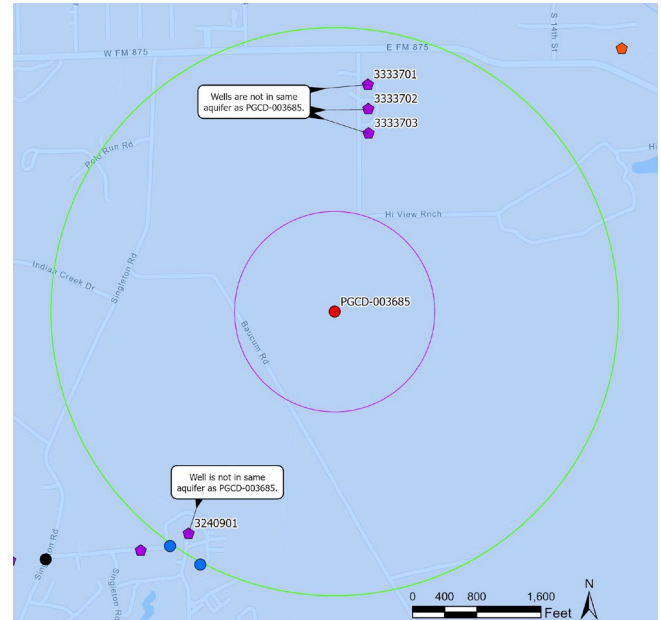


# PGCD Well Spacing Analysis Summary

Date: 6.29.2026  
 Property Owner: Mountain Peak SUD  
 County: Ellis

## Well Information

Well ID: PGCD-003685  
 Location of proposed well: 32.4041652, -96.9964737  
 Surface Elevation (ft): 826  
 Well Depth (ft): 2,460  
 Diameter (in): 14  
 Pumping Rate (gpm): 1,200  
 Depth to First Screen (ft): 2,250  
 Target Aquifer: Pearsall/Hosston  
 Primary Use: Public Water Supply  
 Nearest Well (ft) in target aquifer: 5,006  
 Nearest Property/CCN Line (ft): 8,419



## Spacing Distance Calculations

### Pearsall Hosston

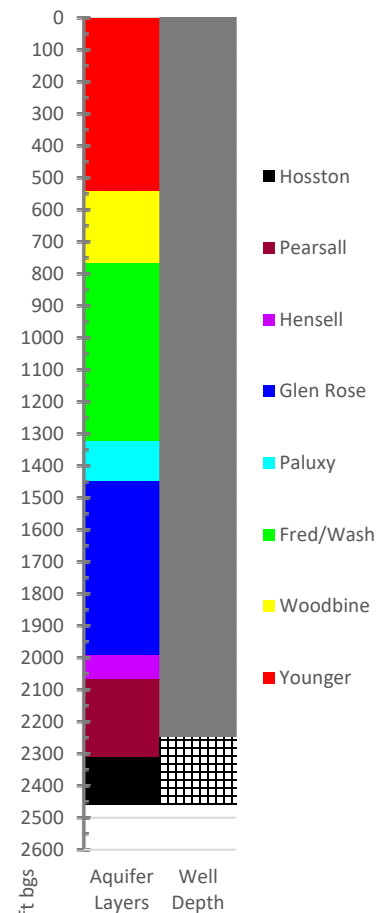
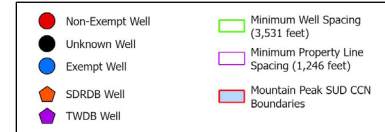
|                                               |              |              |
|-----------------------------------------------|--------------|--------------|
| Hydraulic Conductivity (ft/d)                 | 0.534        | 1.535        |
| Aquifer Layer Thickness (feet)                | 245          | 149          |
| Transmissivity (T, gpd/ft)                    | 979.29       | 1708.60      |
| Storativity (S, unitless)                     | 6.87E-05     | 4.91E-05     |
| Pump Percentage                               | 36%          | 64%          |
| Pumping Rate (Q, gpm)                         | 437.20       | 762.80       |
| Time (t, days)                                | 1.5          | 1.5          |
| Available Drawdown at Nearest Well (ft)       | 1487.26      | 1163.87      |
| Available Drawdown at CCN/Property Line (ft)  | 1450.94      | 1182.51      |
| Drawdown Limit at Wells (1%)                  | 14.87        | 11.64        |
| Drawdown Limit at Property Line (10%)         | 145.09       | 118.25       |
| <b>Required Minimum Well Spacing (ft)</b>     | <b>2,191</b> | <b>3,531</b> |
| <b>Required Minimum Property Spacing (ft)</b> | <b>614</b>   | <b>1,246</b> |
| <b>Meets Well Spacing Requirements?</b>       | <b>Pass</b>  | <b>Pass</b>  |
| <b>Meets Property Spacing Requirements?</b>   | <b>Pass</b>  | <b>Pass</b>  |

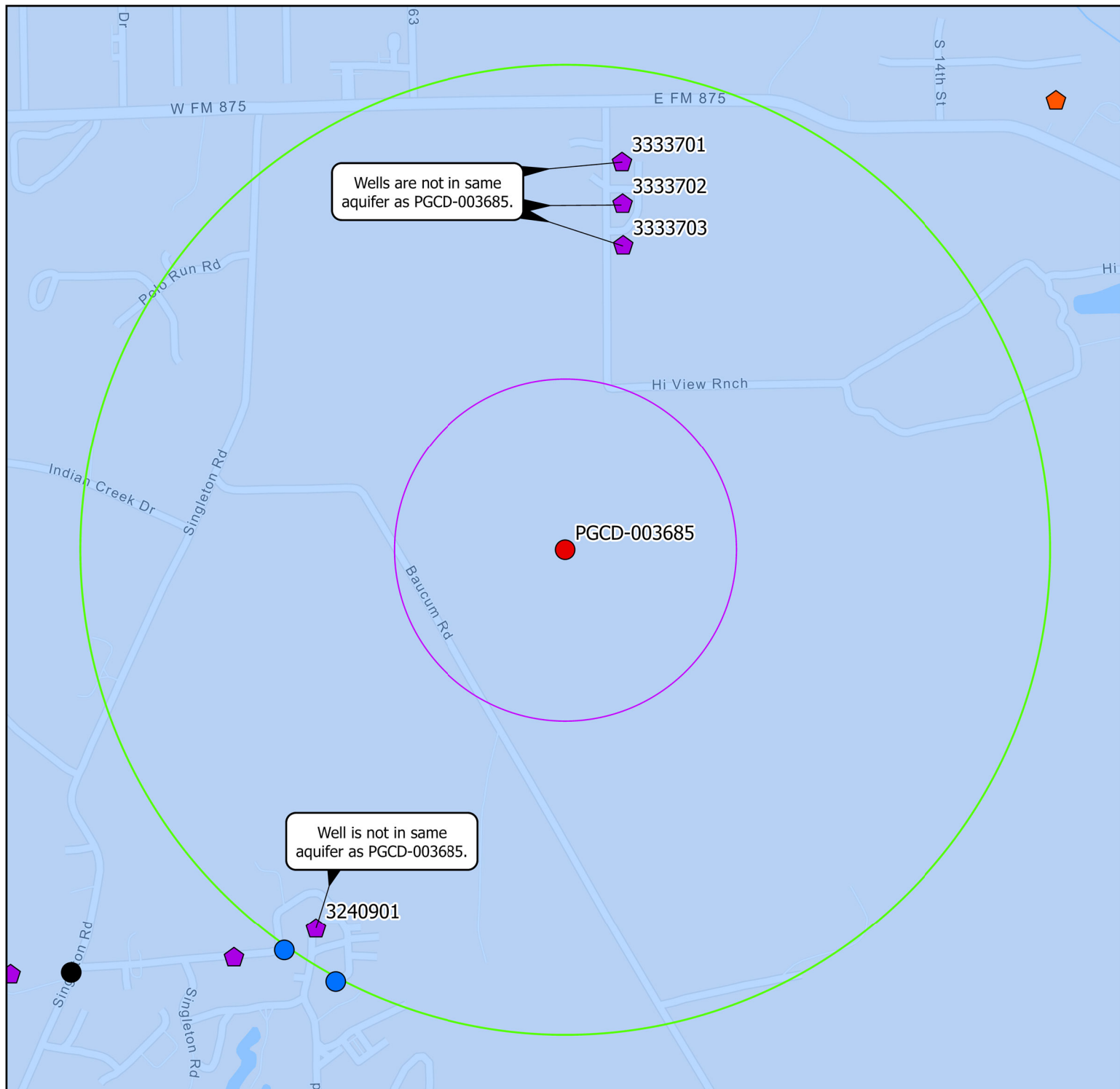
## Staff Findings and Recommendations

The above analysis is based on data from Prairielands Groundwater Conservation District (PGCD), the Texas Water Development Board, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model (2014). According to this analysis, the proposed well meets PGCD spacing requirements described in Rule 4.3. Notably, the nearest CCN boundary is approximately 8,419 feet away, and the closest known well (located within the same aquifer) is approximately 5,006 feet from the proposed well site. These calculations were conducted utilizing the modeled head values for each aquifer that the proposed well will be screened across. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer, utilizing the transmissivity of the individual layer.

Analysis Prepared by: Dillon Bybee, P.G.

Analysis Reviewed by: Dillon Bybee, P.G.





BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

0 400 800 1,600 Feet



According to this analysis, the proposed well meets PGCD spacing requirements. Notably, the nearest CCN boundary is approximately 8,419 feet away, and the closest known well (located within the same aquifer) is approximately 5,006 feet from the proposed well site. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer.

- Non-Exempt Well
- Unknown Well
- Exempt Well
- ◆ SDRDB Well
- ◆ TWDB Well

- Minimum Well Spacing (3,531 feet)
- Minimum Property Line Spacing (1,246 feet)
- Mountain Peak SUD CCN Boundaries



## Mountain Peak SUD Spacing Analysis Map (PGCD-003685)

OP-24-064-C

GIS Analyst: DWB

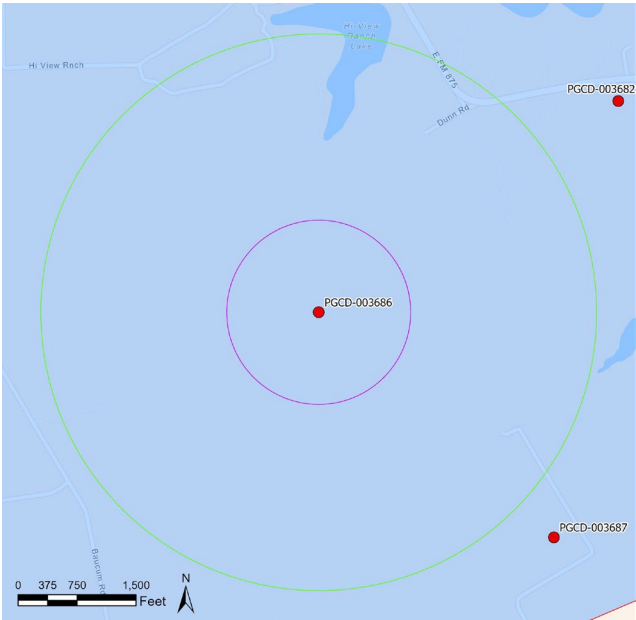
Date Revised: 6/29/2026

# PGCD Well Spacing Analysis Summary

Date: 6.29.2026  
Property Owner: Mountain Peak SUD  
County: Ellis

## Well Information

Well ID: PGCD-003686  
Location of proposed well: 32.3987081, -96.9825635  
Surface Elevation (ft): 816  
Well Depth (ft): 2,500  
Diameter (in): 14  
Pumping Rate (gpm): 1,200  
Depth to First Screen (ft): 2,265  
Target Aquifer: Pearsall/Hosston  
Primary Use: Public Water Supply  
Nearest Well (ft) in target aquifer: 4,118  
Nearest Property/CCN Line (ft): 4,953



## Spacing Distance Calculations

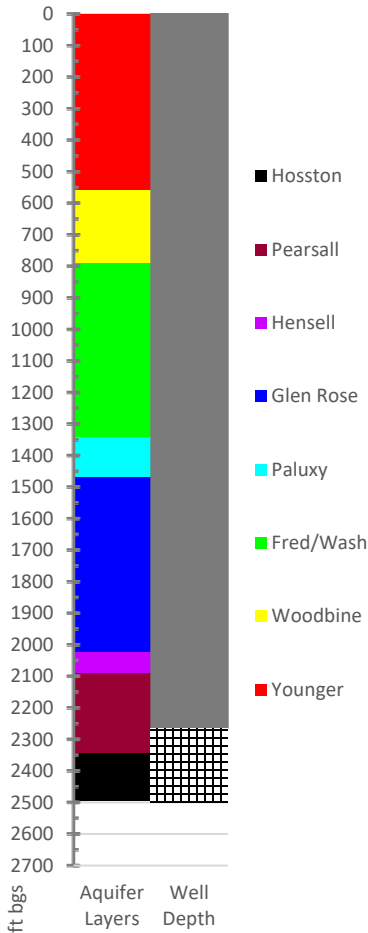
|                                              | Pearsall | Hosston  |
|----------------------------------------------|----------|----------|
| Hydraulic Conductivity (ft/d)                | 0.536    | 1.538    |
| Aquifer Layer Thickness (feet)               | 252      | 150      |
| Transmissivity (T, gpd/ft)                   | 1009.25  | 1728.44  |
| Storativity (S, unitless)                    | 6.79E-05 | 4.96E-05 |
| Pump Percentage                              | 37%      | 63%      |
| Pumping Rate (Q, gpm)                        | 442.38   | 757.62   |
| Time (t, days)                               | 1.5      | 1.5      |
| Available Drawdown at Nearest Well (ft)      | 1479.42  | 1159.54  |
| Available Drawdown at CCN/Property Line (ft) | 1497.69  | 1227.20  |
| Drawdown Limit at Wells (1%)                 | 14.79    | 11.60    |
| Drawdown Limit at Property Line (10%)        | 149.77   | 122.72   |
| Required Minimum Well Spacing (ft)           | 2232     | 3529     |
| Required Minimum Property Spacing (ft)       | 583      | 1168     |
| Meets Well Spacing Requirements?             | Pass     | Pass     |
| Meets Property Spacing Requirements?         | Pass     | Pass     |

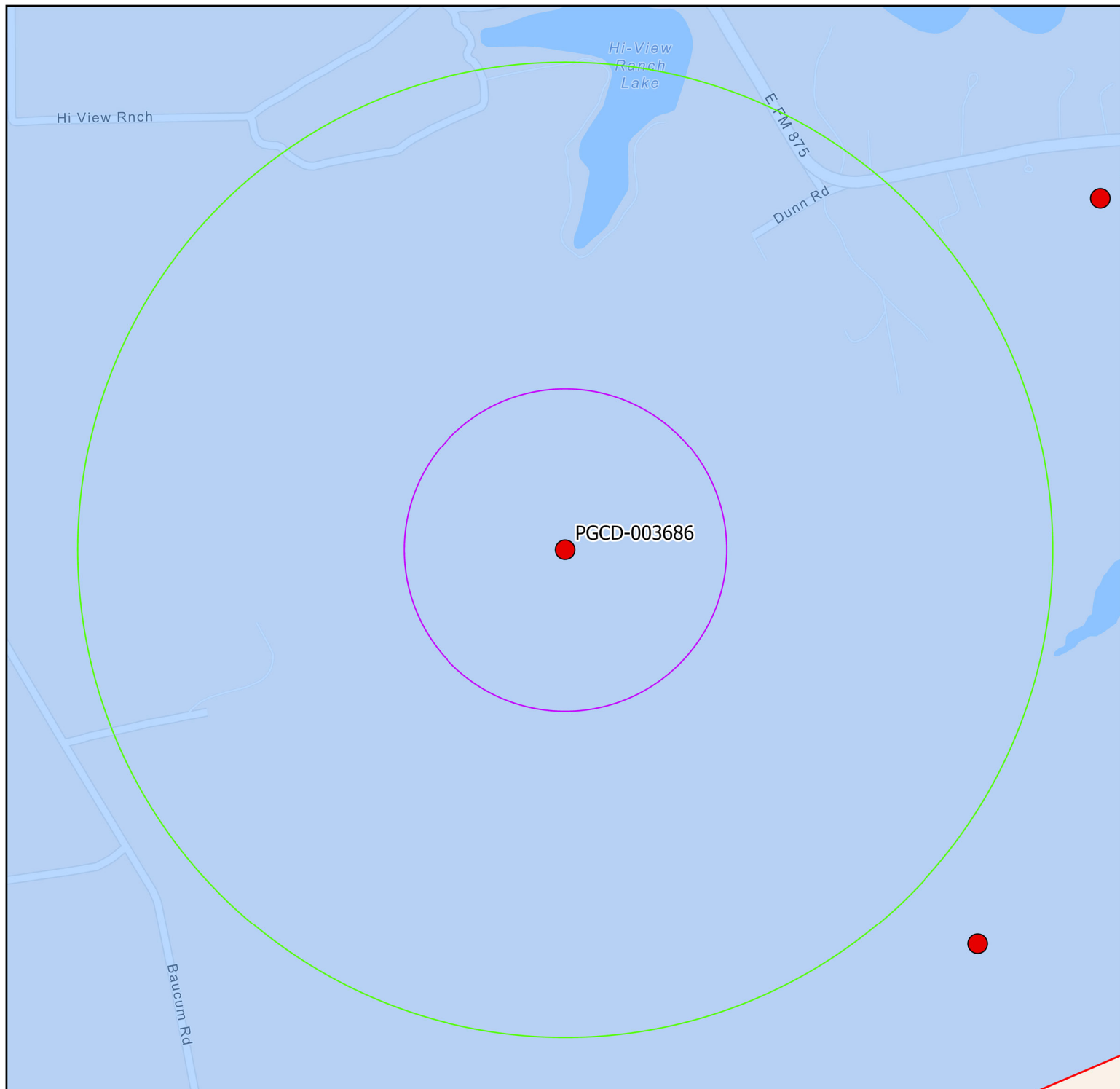
## Staff Findings and Recommendations

The above analysis is based on data from Prairielands Groundwater Conservation District (PGCD), the Texas Water Development Board, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model (2014). According to this analysis, the proposed well meets PGCD spacing requirements described in Rule 4.3. Notably, the nearest CCN boundary is approximately 4,953 feet away, and the closest known well (located within the same aquifer) is approximately 4,118 feet from the proposed well site. These calculations were conducted utilizing the modeled head values for each aquifer that the proposed well will be screened across. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer, utilizing the transmissivity of the individual layer.

Analysis Prepared by: Dillon Bybee, P.G.

Analysis Reviewed by: Dillon Bybee, P.G.





BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

0 400 800 1,600 Feet



According to this analysis, the proposed well meets PGCD spacing requirements. Notably, the nearest CCN boundary is approximately 4,953 feet away, and the closest known well (located within the same aquifer) is approximately 4,118 feet from the proposed well site. The applicant's request of 1,200 gallons per minute was allocated to the Pearsall and Hosston layers of the Trinity Aquifer.

- Non-Exempt Well
- Unknown Well
- Exempt Well
- ◆ SDRDB Well
- ◆ TWDB Well

- Minimum Well Spacing (3,529 feet)
- Minimum Property Line Spacing (1,168 feet)
- Mountain Peak SUD CCN Boundaries



## Mountain Peak SUD Spacing Analysis Map (PGCD-003686)

OP-24-064-C

GIS Analyst: DWB

Date Revised: 6/29/2026

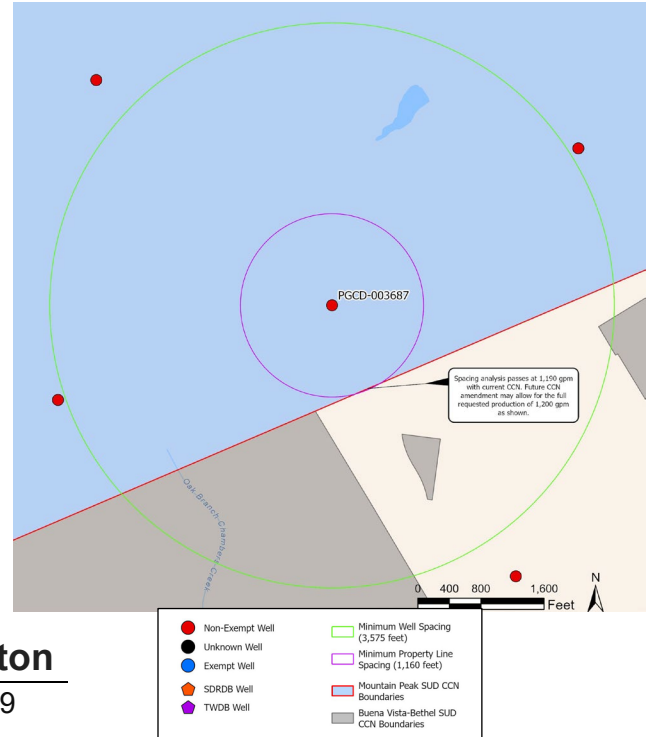


# PGCD Well Spacing Analysis Summary

Date: 7.13.2026  
 Property Owner: Mountain Peak SUD  
 County: Ellis

## Well Information

Well ID: PGCD-003687  
 Location of proposed well: 32.3907344, -96.9730034  
 Surface Elevation (ft): 799  
 Well Depth (ft): 2,540  
 Diameter (in): 14  
 Pumping Rate (gpm): 1,200  
 Depth to First Screen (ft): 2,285  
 Target Aquifer: Pearsall/Hosston  
 Primary Use: Public Water Supply  
 Nearest Well (ft) in target aquifer: 7,502  
 Nearest Property/CCN Line (ft): 1,149



## Spacing Distance Calculations

### Pearsall Hosston

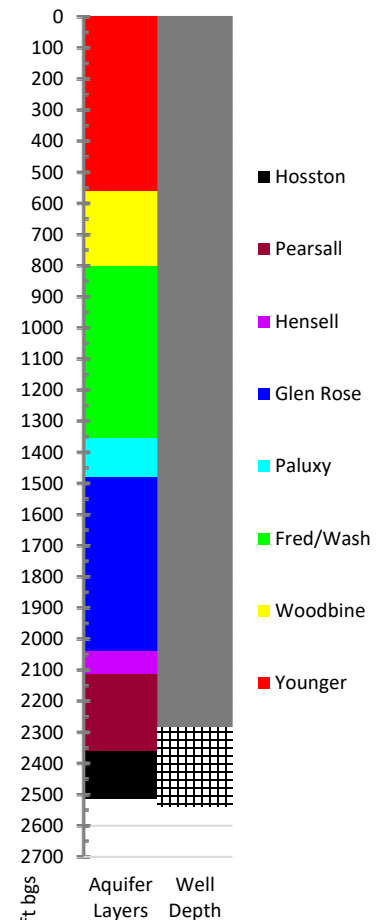
|                                               |              |              |
|-----------------------------------------------|--------------|--------------|
| Hydraulic Conductivity (ft/d)                 | 0.529        | 1.529        |
| Aquifer Layer Thickness (feet)                | 246          | 154          |
| Transmissivity (T, gpd/ft)                    | 973.02       | 1756.37      |
| Storativity (S, unitless)                     | 6.40E-05     | 4.91E-05     |
| Pump Percentage                               | 36%          | 64%          |
| Pumping Rate (Q, gpm)                         | 427.80       | 772.20       |
| Time (t, days)                                | 1.5          | 1.5          |
| Available Drawdown at Nearest Well (ft)       | 1479.42      | 1159.54      |
| Available Drawdown at CCN/Property Line (ft)  | 1521.50      | 1250.91      |
| Drawdown Limit at Wells (1%)                  | 14.79        | 11.60        |
| Drawdown Limit at Property Line (10%)         | 152.15       | 125.09       |
| <b>Required Minimum Well Spacing (ft)</b>     | <b>2,259</b> | <b>3,575</b> |
| <b>Required Minimum Property Spacing (ft)</b> | <b>578</b>   | <b>1,160</b> |
| <b>Meets Well Spacing Requirements?</b>       | <b>Pass</b>  | <b>Pass</b>  |
| <b>Meets Property Spacing Requirements?</b>   | <b>Pass</b>  | <b>Fail</b>  |

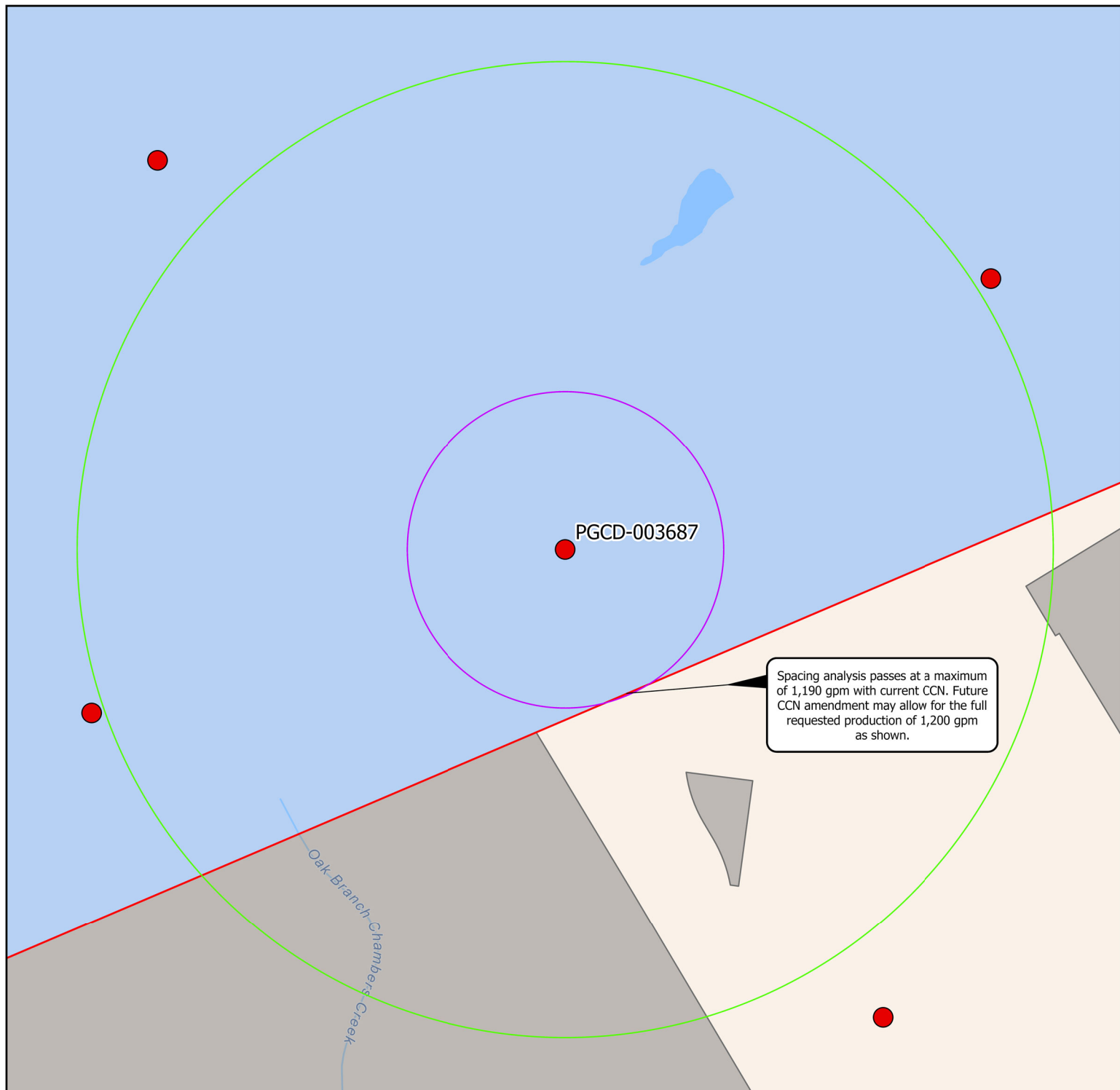
## Staff Findings and Recommendations

The above analysis is based on data from Prairielands Groundwater Conservation District (PGCD), the Texas Water Development Board, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model (2014). **According to this analysis, the proposed well meets PGCD spacing requirements should the applicant's proposed CCN amendment be approved by the PUC, at a maximum designed production capacity of 1,200 gallons per minute in the Pearsall and Hosston formations.** These calculations were conducted utilizing the modeled head values for each aquifer that the proposed well will be screened across. The production rate was allocated to the Pearsall and Hosston layers of the Trinity Aquifer, utilizing the transmissivity of the individual layer.

Analysis Prepared by: Dillon Bybee, P.G.

Analysis Reviewed by: Dillon Bybee, P.G.





BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

0 400 800 1,600 Feet



According to this analysis, the proposed well meets PGCD spacing requirements should the applicant's proposed CCN amendment be approved by the PUC, at a maximum designed production capacity of 1,200 GPM in the Pearsall/Hosston formations.

- Non-Exempt Well
- Unknown Well
- Exempt Well
- SDRDB Well
- TWDB Well

- Minimum Well Spacing (3,575 feet)
- Minimum Property Line Spacing (1,160 feet)
- Mountain Peak SUD CCN Boundaries
- Buena Vista-Bethel SUD CCN Boundaries



## Mountain Peak SUD Spacing Analysis Map (PGCD-003687)

OP-24-064-C

GIS Analyst: DWB

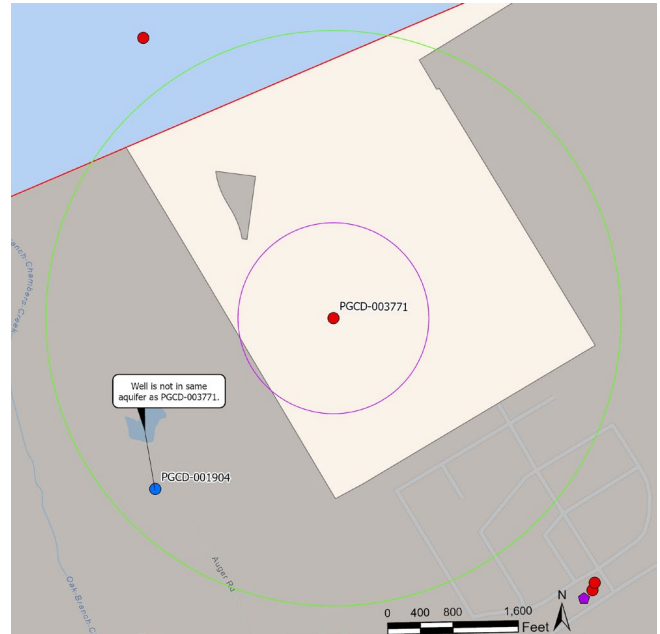
Date Revised: 7/13/2026

# PGCD Well Spacing Analysis Summary

Date: 7.13.2026  
 Property Owner: Mountain Peak SUD  
 County: Ellis

## Well Information

Well ID: PGCD-003771  
 Location of proposed well: 32.3812035, -96.9656174  
 Surface Elevation (ft): 797  
 Well Depth (ft): 2,560  
 Diameter (in): 14  
 Pumping Rate (gpm): 1,200  
 Depth to First Screen (ft): 2,305  
 Target Aquifer: Pearsall/Hosston  
 Primary Use: Public Water Supply  
 Nearest Well (ft) in target aquifer: 4,603  
 Nearest Property/CCN Line (ft): 1,108 (pending PUC amendment)



## Spacing Distance Calculations

## Pearsall Hosston

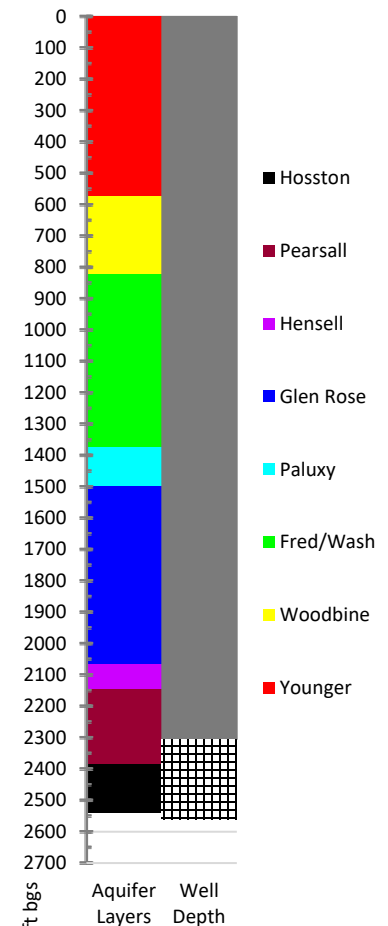
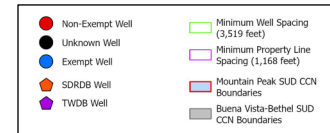
|                                               |              |              |
|-----------------------------------------------|--------------|--------------|
| Hydraulic Conductivity (ft/d)                 | 0.525        | 1.524        |
| Aquifer Layer Thickness (feet)                | 238          | 154          |
| Transmissivity (T, gpd/ft)                    | 936.89       | 1756.74      |
| Storativity (S, unitless)                     | 5.96E-05     | 4.93E-05     |
| Pump Percentage                               | 35%          | 65%          |
| Pumping Rate (Q, gpm)                         | 417.38       | 782.62       |
| Time (t, days)                                | 1.5          | 1.5          |
| Available Drawdown at Nearest Well (ft)       | 1580.03      | 1318.11      |
| Available Drawdown at CCN/Property Line (ft)  | 1519.83      | 1258.78      |
| Drawdown Limit at Wells (1%)                  | 15.80        | 13.18        |
| Drawdown Limit at Property Line (10%)         | 151.98       | 125.88       |
| <b>Required Minimum Well Spacing (ft)</b>     | <b>2,278</b> | <b>3,519</b> |
| <b>Required Minimum Property Spacing (ft)</b> | <b>601</b>   | <b>1,168</b> |
| <b>Meets Well Spacing Requirements?</b>       | <b>Pass</b>  | <b>Pass</b>  |
| <b>Meets Property Spacing Requirements?</b>   | <b>Fail</b>  | <b>Fail</b>  |

## Staff Findings and Recommendations

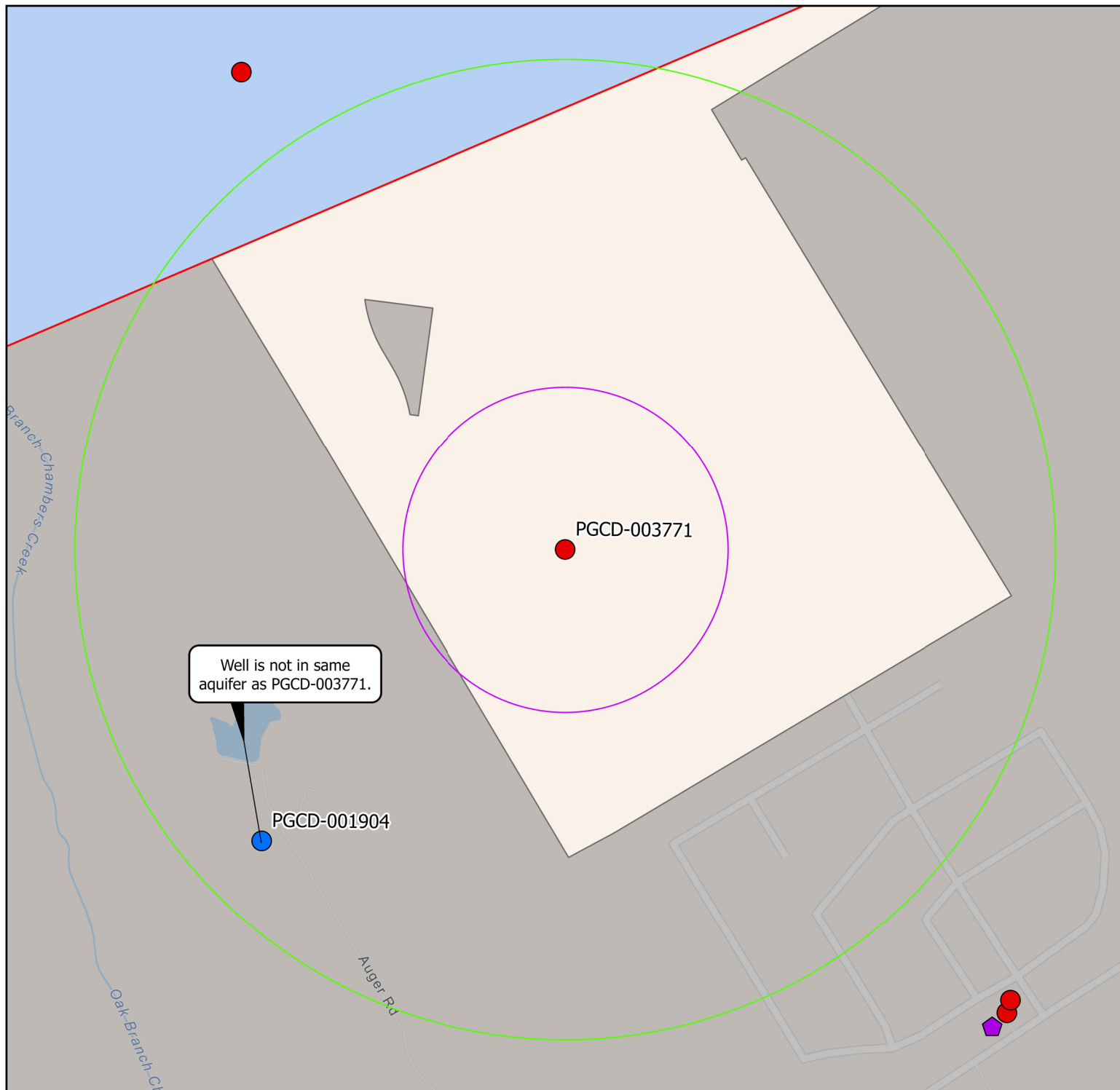
The above analysis is based on data from Prairielands Groundwater Conservation District (PGCD), the Texas Water Development Board, and the Northern Trinity and Woodbine Aquifers Groundwater Availability Model (2014). **According to this analysis, the proposed well DOES NOT MEET PGCD spacing requirements with respect to CCN boundaries and is not located within Mountain Peak SUD's current CCN. Provided the applicant's proposed CCN amendment is approved by the PUC, well PGCD-003771 would comply with spacing requirements if its target production rate is reduced to 1,150 gallons per minute in the Pearsall and Hosston formations.** The production rate was allocated to the Pearsall and Hosston layers of the Trinity Aquifer, utilizing the transmissivity of the individual layer.

Analysis Prepared by: Dillon Bybee, P.G.

Analysis Reviewed by: Dillon Bybee, P.G.







BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

0 400 800 1,600 Feet



According to this analysis, the proposed well DOES NOT MEET PGCD spacing requirements with respect to CCN boundaries and is not located within Mountain Peak SUD's current CCN. Provided the applicant's proposed CCN amendment is approved by the PUC, well PGCD-003771 would comply with spacing requirements if its target production rate is reduced to 1,150 GPM in the Pearsall/Hosston formations.

- Non-Exempt Well
- Unknown Well
- Exempt Well
- SDRDB Well
- TWDB Well

- Minimum Well Spacing (3,519 feet)
- Minimum Property Line Spacing (1,168 feet)
- Mountain Peak SUD CCN Boundaries
- Buena Vista-Bethel SUD CCN Boundaries

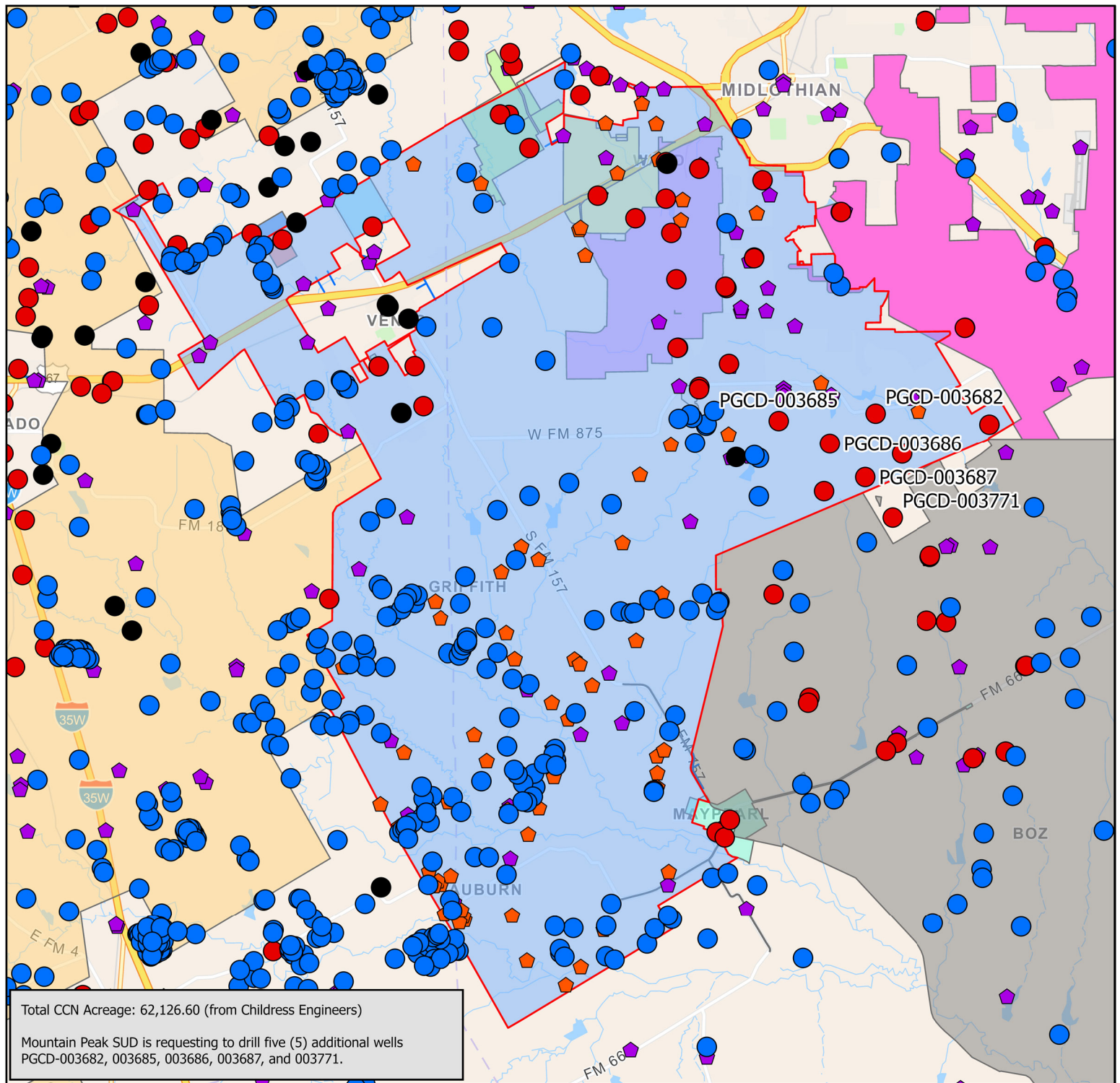


## Mountain Peak SUD Spacing Analysis Map (PGCD-003771)

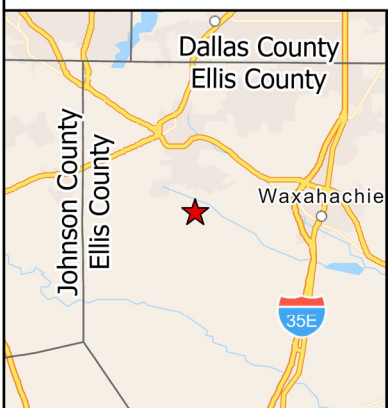
OP-24-064-C

GIS Analyst: DWB

Date Revised: 7/13/2026



BASEMAP SOURCE: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



|                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Non-Exempt Well</li> <li>Unknown Well</li> <li>Exempt Well</li> <li>SDRDB Well</li> <li>TWDB Well</li> <li>Mountain Peak SUD CCN Boundaries</li> </ul> | <ul style="list-style-type: none"> <li>Buena Vista-Bethel SUD CCN Boundaries</li> <li>C&amp;N Properties of Fort Worth LLC OP Boundaries</li> <li>City of Maypearl HUP Boundaries</li> <li>Continental Cement Company LLC HUP Boundaries</li> <li>Gerdau Ameristeel US Inc HUP Boundaries</li> </ul> | <ul style="list-style-type: none"> <li>Johnson County SUD HUP Boundaries</li> <li>Prairie Ridge Investor LP HUP Boundaries</li> <li>QZE Nevada Trust LLC OP Boundaries</li> <li>Sardis-Lone Elm WSC HUP Boundaries</li> <li>Senor Muffler Inc OP Boundaries</li> </ul> | <ul style="list-style-type: none"> <li>Stanley Tidwell HUP Boundaries</li> <li>Texas Water Utilities Southern Acres Water System HUP Boundaries</li> <li>Upp Sweeney HUP Boundaries</li> <li>PUC Facilities and Facilities +200 CCN</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## Mountain Peak SUD Operating Permit Map

OP-24-064-C

GIS Analyst: DWB

Date Revised: 7/2/2026