

Request for Consistency Waiver

for

City of Iredell
Bosque County, Texas

Prepared by



Project Summary

In late 1997, the City of Iredell drilled and brought online a new water well to augment the production of their two existing wells. These two wells, drilled in the 1940's, are no longer useable. Therefore, Iredell operates with the 1997 well as their sole source of water. This well is unable to produce the volume needed to meet the agency's 85% service rule.

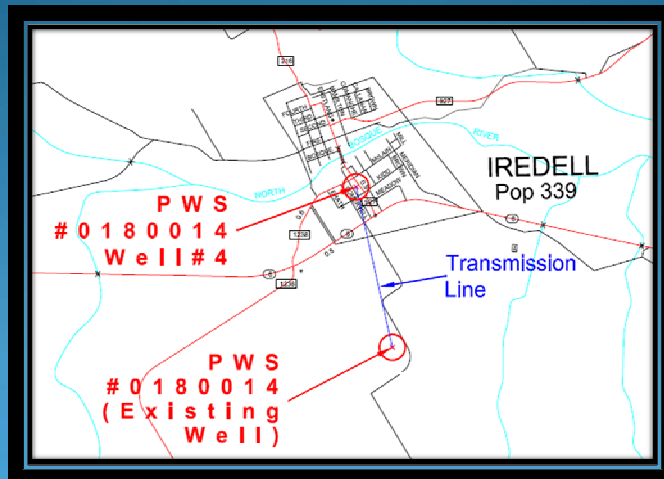
To correct this deficiency and the vulnerability which comes with a sole source, the City plans to plug the inoperable wells and drill a new well in the same location.

Justification

- Number of Connections Currently Served = 180
- Required Volume = (180) (.6 gal/connection) = 108 GPM
- Nominal Volume Available from Existing Well = 125 GPM
- Current Operating % Capacity = $\frac{108}{125} = 86.5\%$

Additionally, the City has no realistic alternative source of supply to sustain the system when the existing well is out of service.

Map of Service Area



Corrective Action Plan

1. Submit project design to TCEQ for plan review.
2. Obtain Consistency Waiver from Brazos G.
3. Register all 3 wells with Middle Trinity GWCD.
4. Plug and abandon the two unuseable wells.
5. Drill a 2nd Trinity well at the Hamilton Street site to produce 100 GPM.
6. Construct a standpipe to maintain and equalize pressure.
7. Alternate well production.