



PANHANDLE GROUNDWATER CONSERVATION DISTRICT

Panhandle Groundwater Conservation District

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PANHANDLE GROUNDWATER CONSERVATION DISTRICT

Well Permit Guidelines

Spacing

Size of Pump	Distance from Well	Distance from Property Line
1 inch pump (on less than 10 acres)	50 yards	25 yards
2 inch pump	100 yards	50 yards
3 inch pump	150 yards	75 yards
4 inch pump	200 yards	100 yards
5 inch pump	250 yards	125 yards
6 inch pump	300 yards	150 yards
8 inch pump	500 yards	250 yards
10 inch pump	750 yards	375 yards
12 inch pump	1000 yards	500 yards
14 inch pump or larger	1250 yards	750 yards

REF 8.1 (a)

Wells With Pumps of Different Size Matrix

(The minimum distance between a permitted, and any other, well equipped with a pump not of the same size shall be the sum of one-half the minimum distance between as shown above)

Pump Size determined by inside diameter of column pipe

Pump Size	1	2	3	4	5	6	8	10	12	14
1	50									
2	75	100								
3	100	125	150							
4	125	150	175	200						
5	150	175	200	225	250					
6	175	200	225	250	275	300				
8	275	300	325	350	375	400	500			
10	400	425	450	475	500	525	625	750		
12	525	550	575	600	625	650	750	875	1000	
14	650	675	700	725	750	775	875	1000	1125	1250

REF 8.1(a)(1)

Production

The maximum production per section or square mile (640 acres) is 2880 gallons (68.6 barrels) per minute or for contiguous acreages that contain less than a section the MAX production is 4.5 gallons per minute per developed acre **OWNED OR**

OPERATED (If leased, permit term is based on lease expiration)

Pump Size	Gallons per Minute	Barrels per Minute
1 inch	up to 17.5	up to 0.42
2 inch	17.5 to 35	0.42 to .83
3 inch	35 to 70	.83 to 1.67
4 inch	70 to 265	1.67 to 6.31
5 inch	265 to 390	6.31 to 9.29
6 inch	390 to 560	9.29 to 13.33
8 inch	560 to 1000	13.33 to 23.81
10 inch	1000 to 1300	23.81 to 30.95
12 inch	1300 to 2000	30.95 to 47.62
14 inch	2000 to 2880	47.62 to 68.57

REF 8.1(a)(2)

REF 8.1(b)

Replacement Wells

A replacement well must be drilled within 150 feet of the old well and not elsewhere and must not be located any closer to any other permitted well. Upon completion of replacement well the old well shall be:

Filled and abandoned IAW current Water Well Driller's Rules, Title 16

Properly equipped that it cannot produce more than 25,000 gallons (595.24 bbls) of water a day

*bbls = barrels

REF 8.5(a)

Pumping Days Guideline

(number of days per year each size well could pump and meet the 1 acre-foot production cap)

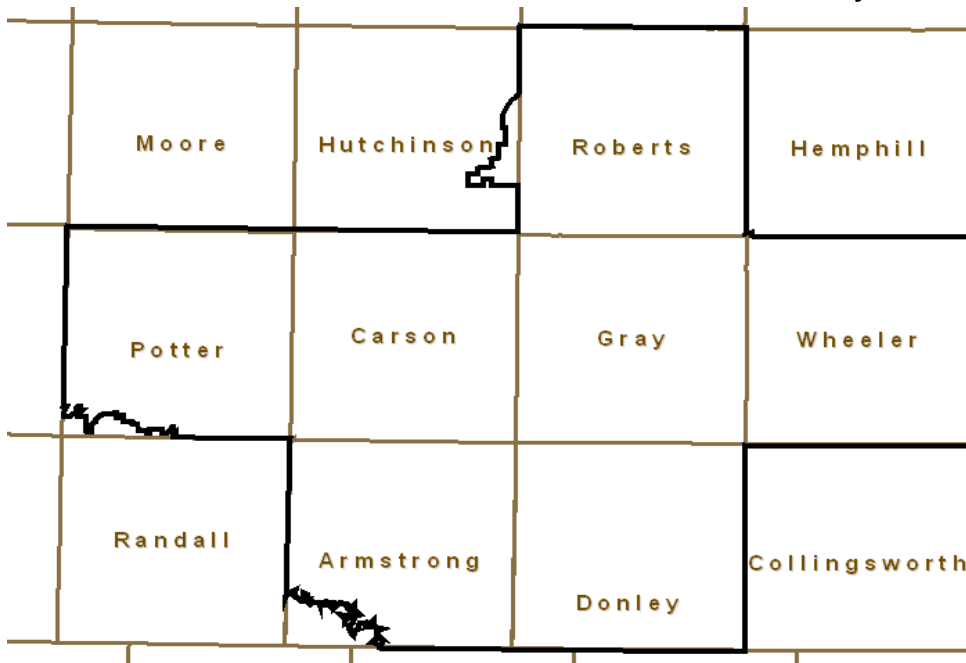
total Contiguous acreage **X 325851** (7758.35 bbls*) (1 acre foot per acre allowable) = pumping days allowed
 total gallons (bbls) per minute (all wells) **X 1,440** (gal/min conv to gal/day) = per year
 (bbls/min conv to bbls/day)

Exempt wells will never be restricted, other sized wells could be restricted based on the Depletion Rule (Rule 15).

	17.5		265	390	560	1000	1300	2880		
Gal/min(bbls/min)	(0.42)	35 (0.83)	70 (1.67)	(6.31)	(9.29)	(13.33)	(23.81)	(30.95)	2000 (47.62)	(68.57)

Acres	Days Pumping									
1	13									
5	65	32	16							
10	129	65	32							
20	259	129	65	17	12					
40	517	259	129	34	23	16				
80		517	259	68	46	32	18	14		
100			323	85	58	40	23	17	11	
160			517	137	93	65	36	28	18	13
320				273	186	129	72	56	36	25
640				547	371	259	145	111	72	50
800						323	181	139	91	63
960						388	217	167	109	75
1120							253	195	127	88
1280							290	223	145	101
1440							326	251	163	113
1600							362	279	181	126
1760							398	306	199	138
1920								334	217	151
2080								362	235	163
2240								390	253	176
2400									272	189
2560									290	201
2720									308	214
2880									326	226
3040									344	239
3200									362	251
3360									380	264
4480										352
4640										365

Panhandle Groundwater Conservation District Boundary



*bbls = barrels