

EL PASO COUNTY



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November 5, 2020

MS-19-6 Wyoming Estates (a/k/a 3050 Curtis Road 4) Minor Subdivision

Reviewed by: Lori L. Seago, Senior Assistant County Attorney
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FINDINGS AND CONCLUSIONS:

1. This is a proposal by Shawn Shaffer of Home Run Restorations, Inc. ("Applicant") for a 4-lot minor subdivision on a parcel of approximately 40 acres of land (the "Property"). The Applicant plans to subdivide the Property into 4 lots. Lot 1 is estimated at 5.16 acres; Lot 2 is estimated at 5.12 acres; Lot 3 is estimated at 5.11 acres; and Lot 4 is estimated at 19.79 acres. The property is zoned RR-5 (Rural Residential).

2. The Applicant has provided for the source of water to derive from individual on-lot wells, as provided in the determination and replacement plan identified as Colorado Ground Water Commission Findings and Order 3542-BD. The Determination was issued on July 2, 2018 and provided for an average annual amount of withdrawal of groundwater of 8.16 acre-feet from the Denver Aquifer (for a period of 100 years) to be used on the 40-acre property. A Replacement Plan for Water Right 3542-BD ("Replacement Plan") was issued on July 2, 2020, permitting withdrawal of 1.82 acre-feet per year of ground water from the Denver aquifer. Pursuant to the Water Supply Information Summary ("WSIS"), the water demand is 0.25 acre-feet for each lot for household use, plus an additional 0.82 acre-feet total for both irrigation and stock watering, for a total demand of 1.82 acre-feet/year for the minor subdivision. Based on this total demand, Applicant must be able to provide a supply of 546 acre-feet of water (1.82 acre-feet per year x 300 years) to meet the County's 300-year water supply requirement.

3. In a letter dated August 5, 2019, the State Engineer reviewed the submittal to plat the 40-acre parcel into a 4-lot minor subdivision. The State Engineer stated that the "source of water for the subdivision will be from wells constructed in the Denver aquifer operating pursuant to the Replacement Plan for Determination of Water Right no. 3542-BD." The State Engineer detailed that the Replacement Plan permits withdrawal of "1.82 acre-feet per year of ground water from the Denver aquifer for 300 years, through four wells to be located on four residential lots on 40 acres Each well may withdraw 0.455 acre-feet per year of ground water to be

used for use in one single family residence; the irrigation of lawn, garden, and trees; and the watering of large domestic animals.”

The State Engineer further stated that the “allowed average annual amount of withdrawal of 1.82 acre-feet per year from the Denver aquifer pursuant to Replacement Plan for Determination of Water Right no. 3542-BD for a maximum of 300 years, is sufficient to supply the requirement of 1.82 acre-feet/year.” Finally, the State Engineer provided their opinion that “pursuant to Sections 30-28-136(1)(h)(I), C.R.S., it is our opinion that the proposed water supply is adequate and can be provided without causing injury to water rights.” The State Engineer noted that the Applicant also has water rights in the Arapahoe and Laramie-Fox Hills Aquifers; however, since those sources of water are not used in this subdivision, further analysis of those water rights is not necessary.

4. Colorado Ground Water Commission Findings and Order Determination and Replacement Plan No. 3542-BD (“Determination and Replacement Plan”). The Determination and Replacement Plan was entered in the name of Home Run Restorations, Inc. and it approves the plan for replacement to allow withdrawal from the not nontributary Denver aquifer for this subdivision. The aquifer requires the use of septic return flows from indoor uses to meet the respective requirements to replace depletions to the stream system during 300 years of pumping. Such return flows may not be otherwise used, sold, traded, or assigned.

The Determination provides for maximum withdrawal of 816 acre-feet total (2.72 acre-feet/year for 300 years) for the subdivision. Pursuant to the Replacement Plan, the subdivision may withdraw 1.82 acre-feet/year for a period of 300 years, which equates to 0.455 acre-feet of water annually for use in one single family residence, irrigation of lawn, garden, and trees, and watering of domestic animals.

Pursuant to the Replacement Plan, the Applicant is required to provide replacement water from septic and leaching field return flows from in-home use of the groundwater. The Replacement Plan dictates that replacement of depletions must be “provided annually in the acre-feet amounts shown in Exhibit A” to the Replacement Plan [also attached hereto]. The Applicant or their successors are responsible for ensuring that replacement water is provided to the alluvial aquifer as requested by the plan and reported to the Commission. The Replacement Plan states that “[t]he annual amount of replacement water provided must be no less than the annual replacement requirement on a yearly basis.”

5. Analysis. Applicant’s water demand for the Wyoming Estates Minor Subdivision is 1.82 acre-feet per year for a total demand of 546 acre-feet for the subdivision for 300 years. Determination No. 3542-BD permits withdrawal of 2.72 acre-feet/year (816 acre-feet total) of Denver aquifer water for a period of 300 years; however, the Replacement Plan permits withdrawal of 1.82 acre-feet/year for a period of 300 years. Based on the demand of 1.82 acre-feet/year for the 4-lot subdivision and the Replacement Plan permitting withdrawals in that amount for a period of 300 years, there appears to be a sufficient water supply to meet the water demands of the Wyoming Estates Minor Subdivision.

6. Section 8.4.7.B.10.g., of the Land Development Code allows for the presumption of acceptable water quality for minor subdivision projects such as this.

7. Therefore, based upon the Water Supply Information Summary, a finding of sufficiency and no injury by the State Engineer, the *Determination and Replacement Plan 3542-BD*, and based on the requirements below, the County Attorney's Office recommends a finding that the proposed water supply is sufficient in terms of quantity and dependability. There is a presumption of sufficient water quality.

REQUIREMENTS:

A. Applicant, its successors and assigns, shall comply with all requirements of *Determination and Replacement Plan 3542-BD*, specifically, that water use shall not exceed 1.82 acre-feet annually for the 4-lot subdivision and that all stream depletions will be replaced with non-evaporative septic system return flows for a period of 300 years, pursuant to the Commission's replacement plan.

B. The County prefers that when there is a plan for replacement, Applicant create a homeowners' association ("HOA"); however, alternatively to establishing an HOA, especially for minor subdivisions such as this, Applicant may create restrictive covenants upon and running with the property which shall advise and obligate future lot owners of this subdivision and their successors and assigns regarding all applicable requirements of *Determination and Replacement Plan 3542-BD*, including, but not limited to, ensuring that return flows by the use of non-evaporative septic systems are made to the stream systems, and that such return flows shall only be used to replace depletions and shall not be separately sold, traded, or assigned in whole or in part for any other purpose. The Covenants more specifically shall require that each lot served by the Denver aquifer well will have an occupied single-family dwelling that is generating return flows from a non-evaporative septic system. In addition, the Covenants shall advise future lot owners of this subdivision and their successors and assigns of their obligations regarding costs of operating the plan for replacement, including all monitoring and accounting. Such Covenants shall also address responsibility for any metering and data collecting that may be required regarding water withdrawals from wells pursuant to the plan for replacement, and shall protect the viability of the water supply by placing limitations in the Covenants as to amendments and termination as applied to said water supply.

The covenants shall address the following:

1) Identify the water rights associated with the property. The Covenants shall reserve 136.5 acre-feet per lot of not nontributary Denver aquifer water pursuant to the Replacement Plan No. 3452-BD, to satisfy El Paso County's 300-year water supply requirement for the 4 lots of the Wyoming Estates Minor Subdivision.

2) Require non-evaporative septic systems and reserve return flows from the same. The Covenants shall require each lot owner to use non-evaporative septic systems to ensure that return flows from such systems are made to the stream system to replace actual depletions during pumping, shall reserve said return flows to replace depletions during pumping, and shall state that said return flows shall not be separately sold, traded, assigned, or used for any other purpose. The Covenants more specifically shall require that each lot served by a Denver well have an occupied single-family dwelling that is generating return flows from a non-evaporative septic system. The Covenants shall also include the following or similar language to ensure that such return flows shall only be used for replacement purposes: "Return flows shall only be used for replacement purposes, shall not be separated from the transfer of title to the land, and shall not be separately conveyed, sold, traded, bartered, assigned or encumbered in whole or in part for any other purpose."

3) The following or similar language shall be included in the Covenants to address future conveyances of the lots subsequent to the initial conveyance made by Applicant/Declarant: "The water rights referenced herein shall be explicitly conveyed; however, if a successor lot owner fails to so explicitly convey the water rights, such water rights shall be intended to be conveyed pursuant to the appurtenance clause in any deed conveying said lot, whether or not the plan for replacement in Determination and Replacement Plan 3542-BD and the water rights therein are specifically referenced in such deed. The water rights so conveyed shall be appurtenant to the lot with which they are conveyed, shall not be separated from the transfer of title to the land, and shall not be separately conveyed, sold, traded, bartered, assigned or encumbered in whole or in part for any other purpose. Such conveyance shall be by special warranty deed, but there shall be no warranty as to the quantity or quality of water conveyed, only as to the title."

4) The Covenants shall advise future lot owners of this subdivision, their successors and assigns, of their responsibility for any metering and data collecting that may be required regarding water withdrawals from wells in the Denver aquifer.

5) The Covenants shall address amendments using the following or similar language:

"Notwithstanding any provisions herein to the contrary, no changes, amendments, alterations, or deletions to these Covenants may be made which would alter, impair, or in any manner compromise the water supply for the Wyoming Estates Minor Subdivision pursuant to Determination and Replacement Plan 3542-BD. Further, written approval of any such proposed amendments must first be obtained from the El Paso County Planning and Community Development Department, and as may be appropriate, by the Board of County Commissioners, after review by the County Attorney's Office. Any amendments must be pursuant to a Determination from the Colorado Ground Water Commission approving such amendment, with prior notice to the El Paso County Planning and Community

Development Department for an opportunity for the County to participate in any such adjudication.”

6) The Covenants shall address termination using the following or similar language:

“These Covenants shall not terminate unless the requirements of Determination and Replacement Plan 3542-BD are also terminated by the Colorado Ground Water Commission and a change of water supply is approved in advance of termination by the Board of County Commissioners of El Paso County.”

C. Applicant, its successors and assigns, shall reserve in the Covenants and in any deeds of the Property the determined amount of at least 1.82 acre-feet annually for the subdivision from the Denver aquifer for a period of 300 years for a total of 546 acre-feet for the 4-lot subdivision. Said reservation shall recite that this water shall not be separated from transfer of title to the Property and shall be used exclusively for primary and replacement supply. Applicant shall convey by recorded warranty deed the reserved Denver aquifer water rights to the individual lot owners. Applicant shall provide copies of said Covenants or other such reservation and conveyance instruments that shall be reviewed and approved by both the Planning and Community Development Department and the County Attorney’s Office prior to recording the minor subdivision plat.

Any and all conveyance instruments shall recite as follows:

For the water rights and return flows conveyed for the Denver aquifer: “These water rights conveyed, and the return flows therefrom, are intended to provide a 300-year supply, and replacement during pumping, for each of the 4 lots of the Wyoming Estates Minor Subdivision. The water rights so conveyed, and the return flows therefrom, shall be appurtenant to each of the respective lots with which they are conveyed, shall not be separated from the transfer of title to the land, and shall not be separately conveyed, sold, traded, bartered, assigned or encumbered in whole or in part for any other purpose. Such conveyance shall be by special warranty deed, but there shall be no warranty as to the quantity or quality of water conveyed, only as to the title.”

D. Pursuant to the Determination and Replacement Plan, Applicant shall recite that this water shall not be separated from transfer of title to the Property. Applicant shall provide copies of such reservation and conveyance instruments that shall be reviewed and approved by both the Planning and Community Development Department and the County Attorney’s Office prior to recording the minor subdivision plat.

E. Applicant, its successors and assigns, at the time of lot sales, shall convey by warranty deed to individual lot owners sufficient water rights in the Denver aquifer, pursuant to Determination and Replacement Plan 3542-BD, underlying the respective lots to satisfy El Paso County’s 300 year water supply requirement. Denver aquifer requirements are 136.5 acre-feet per lot (0.455 acre-feet/year) x 300 years. Said conveyance instruments shall recite that this

water shall not be separated from transfer of title to the Property and shall be used exclusively for the primary supply and replacement during pumping for the respective lots. Applicant shall provide form deeds for such conveyances that shall be reviewed and approved by both the Planning and Community Development Department and the County Attorney's Office prior to recording the minor subdivision plat.

F. Applicant, its successors and assigns, shall submit a Declaration of Covenants, Conditions, and Restrictions and any plat notes required herein to the Planning and Community Development Department and the County Attorney's Office for review, and the same shall be approved by the Planning and Community Development Department and the County Attorney's Office prior to recording the final plat. Said Declaration shall cross-reference Determination and Replacement Plan 3542-BD and shall identify the obligations of the individual lot owners thereunder.

G. Applicant, its successors and assigns, shall record all applicable documents, including, but not limited to, the Determination and Replacement Plan 3542-BD and agreements, assignments, and warranty deeds regarding the water rights, and Declaration of Covenants in the land records of the Office of the Clerk and Recorder of El Paso County, Colorado.

H. The following plat note shall be added that addresses the State Engineer's admonition to advise landowners of potential limited water supplies in the Denver Basin:

"Water in the Denver Basin aquifers is allocated based on a 100 year aquifer life; however, for El Paso County planning purposes, water in the Denver Basin aquifers is evaluated based on a 300 year aquifer life. Applicants and all future owners in the subdivision should be aware that the economic life of a water supply based on wells in a given Denver Basin aquifer may be less than either the 100 years or 300 years used for allocation indicated due to anticipated water level declines. Furthermore, the water supply plan should not rely solely upon non-renewable aquifers. Alternative renewable water resources should be acquired and incorporated in a permanent water supply plan that provides future generations with a water supply."

cc: Rad Dickson, Project Manager

Exhibit A
Replacement Plan - Determination No.: 3542-BD
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Designated Basin Summary Table for Home Run Restorations, Inc. Pumping Rate of 1.82 acre-feet per year for 300 Years from the Denver aquifer Section(s): Section 33, T13S, R64W, 6th P.M.							
Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
1	1.8	0.000	0.0	151	1.8	0.604	33.2
2	1.8	0.001	0.0	152	1.8	0.607	33.3
3	1.8	0.002	0.1	153	1.8	0.609	33.5
4	1.8	0.003	0.1	154	1.8	0.612	33.6
5	1.8	0.004	0.2	155	1.8	0.615	33.8
6	1.8	0.006	0.3	156	1.8	0.617	33.9
7	1.8	0.007	0.4	157	1.8	0.620	34.1
8	1.8	0.009	0.5	158	1.8	0.622	34.2
9	1.8	0.012	0.6	159	1.8	0.625	34.3
10	1.8	0.014	0.8	160	1.8	0.627	34.5
11	1.8	0.017	0.9	161	1.8	0.630	34.6
12	1.8	0.020	1.1	162	1.8	0.632	34.7
13	1.8	0.023	1.2	163	1.8	0.635	34.9
14	1.8	0.026	1.4	164	1.8	0.637	35.0
15	1.8	0.029	1.6	165	1.8	0.639	35.1
16	1.8	0.033	1.8	166	1.8	0.642	35.3
17	1.8	0.036	2.0	167	1.8	0.644	35.4
18	1.8	0.040	2.2	168	1.8	0.647	35.5
19	1.8	0.044	2.4	169	1.8	0.649	35.7
20	1.8	0.048	2.6	170	1.8	0.651	35.8
21	1.8	0.052	2.9	171	1.8	0.654	35.9
22	1.8	0.057	3.1	172	1.8	0.656	36.0
23	1.8	0.061	3.3	173	1.8	0.658	36.2
24	1.8	0.065	3.6	174	1.8	0.661	36.3
25	1.8	0.070	3.8	175	1.8	0.663	36.4
26	1.8	0.075	4.1	176	1.8	0.665	36.5
27	1.8	0.079	4.4	177	1.8	0.667	36.7
28	1.8	0.084	4.6	178	1.8	0.669	36.8
29	1.8	0.089	4.9	179	1.8	0.672	36.9
30	1.8	0.094	5.2	180	1.8	0.674	37.0
31	1.8	0.099	5.5	181	1.8	0.676	37.1
32	1.8	0.104	5.7	182	1.8	0.678	37.3
33	1.8	0.109	6.0	183	1.8	0.680	37.4
34	1.8	0.115	6.3	184	1.8	0.683	37.5
35	1.8	0.120	6.6	185	1.8	0.685	37.6
36	1.8	0.125	6.9	186	1.8	0.687	37.7
37	1.8	0.130	7.2	187	1.8	0.689	37.9
38	1.8	0.136	7.5	188	1.8	0.691	38.0
39	1.8	0.141	7.8	189	1.8	0.693	38.1

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Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
40	1.8	0.146	8.0	190	1.8	0.695	38.2
41	1.8	0.152	8.3	191	1.8	0.697	38.3
42	1.8	0.157	8.6	192	1.8	0.699	38.4
43	1.8	0.163	8.9	193	1.8	0.701	38.5
44	1.8	0.168	9.2	194	1.8	0.703	38.6
45	1.8	0.174	9.5	195	1.8	0.705	38.8
46	1.8	0.179	9.8	196	1.8	0.707	38.9
47	1.8	0.184	10.1	197	1.8	0.709	39.0
48	1.8	0.190	10.4	198	1.8	0.711	39.1
49	1.8	0.195	10.7	199	1.8	0.713	39.2
50	1.8	0.201	11.0	200	1.8	0.715	39.3
51	1.8	0.206	11.3	201	1.8	0.717	39.4
52	1.8	0.211	11.6	202	1.8	0.719	39.5
53	1.8	0.217	11.9	203	1.8	0.721	39.6
54	1.8	0.222	12.2	204	1.8	0.723	39.7
55	1.8	0.227	12.5	205	1.8	0.724	39.8
56	1.8	0.233	12.8	206	1.8	0.727	39.9
57	1.8	0.238	13.1	207	1.8	0.728	40.0
58	1.8	0.243	13.4	208	1.8	0.730	40.1
59	1.8	0.249	13.7	209	1.8	0.732	40.2
60	1.8	0.254	13.9	210	1.8	0.734	40.3
61	1.8	0.259	14.2	211	1.8	0.735	40.4
62	1.8	0.264	14.5	212	1.8	0.738	40.5
63	1.8	0.269	14.8	213	1.8	0.739	40.6
64	1.8	0.275	15.1	214	1.8	0.741	40.7
65	1.8	0.280	15.4	215	1.8	0.743	40.8
66	1.8	0.285	15.6	216	1.8	0.745	40.9
67	1.8	0.290	15.9	217	1.8	0.746	41.0
68	1.8	0.295	16.2	218	1.8	0.748	41.1
69	1.8	0.300	16.5	219	1.8	0.750	41.2
70	1.8	0.305	16.7	220	1.8	0.751	41.3
71	1.8	0.310	17.0	221	1.8	0.753	41.4
72	1.8	0.315	17.3	222	1.8	0.755	41.5
73	1.8	0.319	17.6	223	1.8	0.756	41.6
74	1.8	0.324	17.8	224	1.8	0.759	41.7
75	1.8	0.329	18.1	225	1.8	0.760	41.8
76	1.8	0.334	18.3	226	1.8	0.761	41.8
77	1.8	0.339	18.6	227	1.8	0.764	42.0
78	1.8	0.343	18.9	228	1.8	0.765	42.0
79	1.8	0.348	19.1	229	1.8	0.766	42.1
80	1.8	0.353	19.4	230	1.8	0.769	42.2
81	1.8	0.357	19.6	231	1.8	0.770	42.3
82	1.8	0.362	19.9	232	1.8	0.772	42.4

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Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
83	1.8	0.366	20.1	233	1.8	0.773	42.5
84	1.8	0.371	20.4	234	1.8	0.775	42.6
85	1.8	0.375	20.6	235	1.8	0.777	42.7
86	1.8	0.380	20.9	236	1.8	0.778	42.8
87	1.8	0.384	21.1	237	1.8	0.780	42.8
88	1.8	0.389	21.3	238	1.8	0.781	42.9
89	1.8	0.393	21.6	239	1.8	0.782	43.0
90	1.8	0.397	21.8	240	1.8	0.785	43.1
91	1.8	0.401	22.1	241	1.8	0.786	43.2
92	1.8	0.406	22.3	242	1.8	0.787	43.3
93	1.8	0.410	22.5	243	1.8	0.789	43.4
94	1.8	0.414	22.8	244	1.8	0.790	43.4
95	1.8	0.418	23.0	245	1.8	0.792	43.5
96	1.8	0.422	23.2	246	1.8	0.793	43.6
97	1.8	0.426	23.4	247	1.8	0.795	43.7
98	1.8	0.430	23.7	248	1.8	0.796	43.8
99	1.8	0.434	23.9	249	1.8	0.798	43.9
100	1.8	0.438	24.1	250	1.8	0.800	43.9
101	1.8	0.442	24.3	251	1.8	0.801	44.0
102	1.8	0.446	24.5	252	1.8	0.803	44.1
103	1.8	0.450	24.7	253	1.8	0.804	44.2
104	1.8	0.454	24.9	254	1.8	0.806	44.3
105	1.8	0.458	25.2	255	1.8	0.807	44.3
106	1.8	0.461	25.4	256	1.8	0.809	44.4
107	1.8	0.465	25.6	257	1.8	0.810	44.5
108	1.8	0.469	25.8	258	1.8	0.811	44.6
109	1.8	0.473	26.0	259	1.8	0.813	44.7
110	1.8	0.476	26.2	260	1.8	0.814	44.7
111	1.8	0.480	26.4	261	1.8	0.816	44.8
112	1.8	0.484	26.6	262	1.8	0.816	44.9
113	1.8	0.487	26.8	263	1.8	0.818	44.9
114	1.8	0.491	27.0	264	1.8	0.819	45.0
115	1.8	0.494	27.2	265	1.8	0.821	45.1
116	1.8	0.498	27.3	266	1.8	0.822	45.2
117	1.8	0.501	27.5	267	1.8	0.824	45.3
118	1.8	0.505	27.7	268	1.8	0.825	45.3
119	1.8	0.508	27.9	269	1.8	0.827	45.4
120	1.8	0.511	28.1	270	1.8	0.828	45.5
121	1.8	0.515	28.3	271	1.8	0.829	45.5
122	1.8	0.518	28.5	272	1.8	0.830	45.6
123	1.8	0.521	28.6	273	1.8	0.832	45.7
124	1.8	0.525	28.8	274	1.8	0.833	45.8
125	1.8	0.528	29.0	275	1.8	0.835	45.9

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Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
126	1.8	0.531	29.2	276	1.8	0.836	45.9
127	1.8	0.534	29.4	277	1.8	0.837	46.0
128	1.8	0.537	29.5	278	1.8	0.838	46.1
129	1.8	0.541	29.7	279	1.8	0.840	46.1
130	1.8	0.544	29.9	280	1.8	0.841	46.2
131	1.8	0.547	30.0	281	1.8	0.843	46.3
132	1.8	0.550	30.2	282	1.8	0.843	46.3
133	1.8	0.553	30.4	283	1.8	0.845	46.4
134	1.8	0.556	30.5	284	1.8	0.846	46.5
135	1.8	0.559	30.7	285	1.8	0.848	46.6
136	1.8	0.562	30.9	286	1.8	0.848	46.6
137	1.8	0.565	31.0	287	1.8	0.850	46.7
138	1.8	0.568	31.2	288	1.8	0.851	46.8
139	1.8	0.571	31.4	289	1.8	0.853	46.9
140	1.8	0.574	31.5	290	1.8	0.853	46.9
141	1.8	0.577	31.7	291	1.8	0.855	47.0
142	1.8	0.579	31.8	292	1.8	0.856	47.1
143	1.8	0.582	32.0	293	1.8	0.857	47.1
144	1.8	0.585	32.1	294	1.8	0.858	47.2
145	1.8	0.588	32.3	295	1.8	0.860	47.3
146	1.8	0.591	32.4	296	1.8	0.861	47.3
147	1.8	0.593	32.6	297	1.8	0.862	47.4
148	1.8	0.596	32.8	298	1.8	0.864	47.5
149	1.8	0.599	32.9	299	1.8	0.864	47.5
150	1.8	0.601	33.0	300	1.8	0.866	47.6

Created by Wenli Dickinson on March 03, 2020

Values for 'Depletion as a % of Pumping' (q/Q) are not calculated when the pumping rate (Q) is changed to anything but zero