

**Table 8. Characteristics of Irrigation Wells Used on Farms: 2013**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	All wells used		Flowing or artesian wells used		Change in average depth to water <sup>1</sup>					
					Did not change		Increased		Decreased	
	Farms	Number	Farms	Number	Farms	Number of wells	Farms	Number of wells	Farms	Number of wells
United States .....	121,491	475,796	2,204	3,611	83,328	275,701	14,222	70,889	23,941	129,206
Alabama .....	567	1,193	12	60	497	1,038	32	38	38	117
Alaska .....	114	142	2	(D)	112	(D)	2	(D)	-	-
Arizona .....	1,956	4,942	89	176	1,245	2,450	159	1,040	552	1,452
Arkansas .....	3,715	48,310	25	319	2,465	30,860	392	5,966	858	11,484
California .....	23,602	59,499	37	55	12,247	25,318	3,965	15,405	7,390	18,776
Colorado .....	2,674	10,105	227	279	1,294	3,705	903	4,057	477	2,343
Connecticut .....	459	582	73	73	322	421	-	-	137	161
Delaware .....	344	1,564	2	(D)	292	1,390	38	108	14	66
Florida .....	7,033	20,783	244	524	6,011	17,770	562	1,555	460	1,458
Georgia .....	3,034	10,726	48	74	2,164	7,010	525	1,942	345	1,774
Hawaii .....	129	171	11	11	113	155	2	(D)	14	(D)
Idaho .....	3,073	9,194	13	53	1,803	5,170	227	824	1,043	3,200
Illinois .....	1,484	5,252	4	8	1,356	4,461	71	329	57	462
Indiana .....	1,405	4,133	7	11	1,349	3,956	28	102	28	75
Iowa .....	744	1,877	9	9	679	1,666	44	153	21	58
Kansas .....	4,745	23,114	-	-	2,132	7,991	895	5,609	1,718	9,514
Kentucky .....	249	427	-	-	234	412	13	(D)	2	(D)
Louisiana .....	1,599	8,553	7	14	1,476	7,928	30	105	93	520
Maine .....	540	649	25	25	512	602	19	29	9	18
Maryland .....	600	1,515	1	(D)	483	1,316	49	79	68	120
Massachusetts .....	691	1,087	74	104	610	989	-	-	81	98
Michigan .....	2,822	7,554	39	43	2,659	7,108	63	157	100	289
Minnesota .....	1,890	5,385	15	56	1,765	5,011	76	271	49	103
Mississippi .....	1,451	14,670	8	10	1,260	12,488	66	883	125	1,299
Missouri .....	1,798	13,621	10	12	1,569	11,440	120	1,105	109	1,076
Montana .....	1,056	1,653	16	24	1,042	1,626	5	10	9	17
Nebraska .....	14,897	77,155	55	55	10,128	48,424	2,012	10,710	2,757	18,021
Nevada .....	830	2,593	34	60	345	1,079	196	615	289	899
New Hampshire .....	341	456	47	48	297	390	3	3	41	63
New Jersey .....	961	2,020	46	66	654	1,453	69	122	238	445
New Mexico .....	4,027	8,759	55	69	2,092	3,531	724	1,813	1,211	3,415
New York .....	1,085	1,606	85	103	988	1,476	22	42	75	88
North Carolina .....	1,290	2,314	16	18	1,190	2,082	51	119	49	113
North Dakota .....	326	1,483	2	(D)	275	1,280	31	120	20	83
Ohio .....	725	1,064	6	7	686	1,016	24	29	15	19
Oklahoma .....	1,293	4,912	3	3	812	2,816	143	576	338	1,520
Oregon .....	4,804	8,779	172	178	4,434	8,099	201	297	169	383
Pennsylvania .....	2,140	2,908	86	122	2,016	2,742	77	83	47	83
Rhode Island .....	167	267	15	19	156	256	11	11	-	-
South Carolina .....	759	1,818	9	9	633	1,545	81	161	45	112
South Dakota .....	768	2,161	12	28	656	1,833	75	197	37	131
Tennessee .....	566	1,472	26	26	520	1,377	21	52	25	43
Texas .....	9,542	81,511	194	246	4,422	20,041	1,491	14,522	3,629	46,948
Utah .....	1,433	3,055	123	308	776	1,386	199	745	458	924
Vermont .....	276	309	41	41	207	240	38	38	31	31
Virginia .....	834	1,185	113	113	787	1,110	35	35	12	40
Washington .....	4,196	6,801	23	30	3,478	5,461	205	444	513	896
West Virginia .....	119	150	-	-	113	141	2	(D)	4	(D)
Wisconsin .....	1,851	5,169	24	27	1,710	4,845	70	165	71	159
Wyoming .....	487	1,148	19	81	262	(D)	155	(D)	70	287
<b>Water Resources Regions</b>										
Region 01 New England .....	2,324	3,170	250	285	1,957	2,721	48	58	319	391
Region 02 Mid-Atlantic .....	5,215	9,842	253	297	4,591	8,670	245	418	379	754
Region 03 South Atlantic-Gulf .....	12,862	37,228	323	679	10,677	29,848	1,251	3,809	934	3,571
Region 04 Great Lakes .....	4,506	10,787	136	150	4,215	10,136	149	295	142	356
Region 05 Ohio .....	2,076	4,456	32	66	1,931	4,136	66	149	79	171
Region 06 Tennessee .....	472	714	30	(D)	429	655	26	(D)	17	(D)
Region 07 Upper Mississippi .....	5,287	15,746	38	82	4,916	14,406	210	681	161	659
Region 08 Lower Mississippi .....	6,869	74,385	46	351	5,394	55,767	440	6,626	1,035	11,992
Region 09 Souris-Red-Rainy .....	349	1,459	-	-	272	1,149	35	210	42	100
Region 10 Missouri .....	20,893	97,219	110	190	14,174	60,173	2,931	14,774	3,788	22,272
Region 11 Arkansas-White-Red .....	7,528	48,391	5	7	3,584	17,708	1,495	10,719	2,449	19,964
Region 12 Texas-Gulf .....	7,508	65,870	238	290	3,465	15,467	1,144	10,810	2,899	39,593
Region 13 Rio Grande .....	4,620	9,999	220	284	2,488	4,643	890	2,606	1,242	2,750
Region 14 Upper Colorado .....	622	1,096	34	(D)	286	(D)	143	(D)	193	226
Region 15 Lower Colorado .....	2,204	5,335	65	128	1,615	2,954	159	1,040	430	1,341
Region 16 Great Basin .....	1,882	4,982	157	368	700	1,855	418	1,364	764	1,763
Region 17 Pacific Northwest .....	12,262	24,953	215	274	10,011	19,121	595	1,426	1,656	4,406
Region 18 California .....	23,769	59,851	39	59	12,398	25,577	3,973	15,418	7,398	18,856
Region 19 Alaska .....	114	142	2	(D)	112	(D)	2	(D)	-	-
Region 20 Hawaii .....	129	171	11	11	113	155	2	(D)	14	(D)

See footnote(s) at end of table.

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**Table 8. Characteristics of Irrigation Wells Used on Farms: 2013 (continued)**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	All pumped wells <sup>2</sup>								
	Farms	Number	Average well depth (feet)	Average depth to water <sup>3</sup> (feet)	Average depth to bowls <sup>4</sup> (feet)	Average pumping capacity (gpm)	Average operating pressure (psi)	Average engine size (hp)	Average hours of operation (hours)
United States .....	119,931	472,185	229	90	145	722	37	87	940
Alabama .....	564	1,133	177	61	105	302	49	50	311
Alaska .....	114	(D)	80	33	49	92	46	32	149
Arizona .....	1,908	4,766	392	146	237	732	35	118	1,423
Arkansas .....	3,715	47,991	128	50	83	1,362	27	73	507
California .....	23,594	59,444	354	114	197	680	38	96	1,191
Colorado .....	2,485	9,826	189	83	130	775	41	78	1,152
Connecticut .....	386	509	212	72	125	114	55	56	364
Delaware .....	342	(D)	99	27	62	633	44	63	300
Florida .....	6,800	20,259	324	84	140	679	41	124	352
Georgia .....	2,991	10,652	381	131	199	554	48	112	526
Hawaii .....	118	160	435	160	253	1,567	55	290	866
Idaho .....	3,073	9,141	297	149	201	1,241	62	181	1,208
Illinois .....	1,482	5,244	117	38	69	772	42	71	455
Indiana .....	1,403	4,122	95	31	58	596	46	57	369
Iowa .....	735	1,868	109	29	61	642	41	48	350
Kansas .....	4,745	23,114	219	103	164	605	30	129	1,397
Kentucky .....	249	427	112	43	76	473	47	58	220
Louisiana .....	1,599	8,539	128	54	84	1,560	21	80	427
Maine .....	524	624	215	66	120	266	52	51	273
Maryland .....	600	(D)	138	44	83	327	42	50	371
Massachusetts .....	633	983	147	54	90	131	48	65	340
Michigan .....	2,802	7,511	105	39	67	378	58	44	361
Minnesota .....	1,885	5,329	131	45	82	570	46	58	429
Mississippi .....	1,445	14,660	121	48	76	1,760	25	65	363
Missouri .....	1,798	13,609	121	30	65	1,343	29	69	389
Montana .....	1,051	1,629	137	43	88	254	62	53	419
Nebraska .....	14,897	77,100	194	68	121	763	40	93	681
Nevada .....	812	2,533	367	104	193	1,145	41	143	1,975
New Hampshire .....	322	408	259	85	158	76	48	52	180
New Jersey .....	923	1,954	151	50	85	292	59	60	307
New Mexico .....	3,977	8,690	250	106	165	544	45	94	1,109
New York .....	1,006	1,503	131	49	87	213	58	57	315
North Carolina .....	1,281	2,296	201	69	122	100	56	33	338
North Dakota .....	326	(D)	84	29	56	609	41	46	579
Ohio .....	725	1,057	110	39	70	131	48	38	308
Oklahoma .....	1,293	4,909	219	84	160	408	33	112	1,209
Oregon .....	4,744	8,601	202	71	119	380	63	56	732
Pennsylvania .....	2,071	2,786	240	86	147	42	51	40	297
Rhode Island .....	167	248	114	42	64	44	42	53	270
South Carolina .....	750	1,809	281	71	162	296	49	60	453
South Dakota .....	759	2,133	106	38	69	686	43	62	488
Tennessee .....	552	1,446	190	63	107	581	39	69	325
Texas .....	9,369	81,265	276	146	213	208	27	71	1,803
Utah .....	1,313	2,747	296	94	156	1,251	35	129	1,385
Vermont .....	235	268	238	73	138	69	43	83	197
Virginia .....	766	1,072	278	97	171	56	52	52	481
Washington .....	4,176	6,771	291	110	175	483	64	110	1,117
West Virginia .....	119	150	220	83	141	41	51	36	193
Wisconsin .....	1,837	5,142	149	49	89	634	56	69	423
Wyoming .....	470	1,067	268	94	167	839	42	100	1,043
<b>Water Resources Regions</b>									
Region 01 New England .....	2,142	2,885	190	64	112	154	50	58	298
Region 02 Mid-Atlantic .....	5,039	9,545	179	61	109	259	51	54	327
Region 03 South Atlantic-Gulf .....	12,565	36,549	325	95	156	570	45	108	407
Region 04 Great Lakes .....	4,399	10,637	114	41	72	389	57	47	365
Region 05 Ohio .....	2,053	4,390	103	36	67	481	46	52	314
Region 06 Tennessee .....	456	(D)	207	71	133	151	49	39	263
Region 07 Upper Mississippi .....	5,265	15,664	130	43	78	652	47	67	434
Region 08 Lower Mississippi .....	6,863	74,034	125	48	79	1,486	26	72	450
Region 09 Souris-Red-Rainy .....	349	1,459	90	29	58	586	40	43	523
Region 10 Missouri .....	20,859	97,029	189	69	120	741	40	93	737
Region 11 Arkansas-White-Red .....	7,528	48,384	262	136	205	637	28	111	1,452
Region 12 Texas-Gulf .....	7,291	65,580	247	126	187	174	28	60	1,771
Region 13 Rio Grande .....	4,431	9,715	238	77	140	663	42	82	873
Region 14 Upper Colorado .....	592	(D)	276	98	159	1,028	48	166	1,027
Region 15 Lower Colorado .....	2,180	5,207	385	143	233	788	34	117	1,351
Region 16 Great Basin .....	1,744	4,614	332	96	171	1,143	41	135	1,710
Region 17 Pacific Northwest .....	12,184	24,679	257	110	163	705	63	115	993
Region 18 California .....	23,759	59,792	354	114	197	683	38	97	1,195
Region 19 Alaska .....	114	(D)	80	33	49	92	46	32	149
Region 20 Hawaii .....	118	160	435	160	253	1,567	55	290	866

See footnote(s) at end of table.

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**Table 8. Characteristics of Irrigation Wells Used on Farms: 2013 (continued)**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	Average well depth <sup>2</sup>				Number of wells with an average well depth of -					
	For all pumped wells (feet)	For farms with one well (feet)	For farms with two wells (feet)	For farms with three wells (feet)	Under 50 feet	50 to 99 feet	100 to 199 feet	200 to 299 feet	300 to 499 feet	500 feet or more
United States .....	229	233	226	231	23,094	68,454	181,142	85,320	74,571	39,604
Alabama .....	177	156	257	133	3	204	598	224	61	43
Alaska .....	80	88	60	(D)	62	32	36	8	(D)	-
Arizona .....	392	257	369	436	134	985	762	372	814	1,699
Arkansas .....	128	170	114	118	213	8,409	37,141	1,363	508	357
California .....	354	313	277	293	505	6,077	10,805	15,071	12,937	14,049
Colorado .....	189	172	144	205	730	2,223	2,636	2,289	1,771	177
Connecticut .....	212	246	204	119	75	16	159	121	125	13
Delaware .....	99	151	102	96	21	914	573	29	21	-
Florida .....	324	217	253	261	4,005	1,346	5,143	2,867	2,251	4,647
Georgia .....	381	373	426	412	64	215	1,684	2,411	3,007	3,271
Hawaii .....	435	424	318	737	-	7	24	21	48	60
Idaho .....	297	241	249	343	118	452	2,464	2,698	2,358	1,051
Illinois .....	117	171	118	143	113	2,304	2,289	315	185	38
Indiana .....	95	129	101	99	674	1,950	1,296	161	29	12
Iowa .....	109	160	119	88	279	582	829	70	103	(D)
Kansas .....	219	130	146	213	1,356	4,894	6,372	4,200	4,773	1,519
Kentucky .....	112	132	106	(D)	55	212	90	61	9	-
Louisiana .....	128	150	147	156	214	2,565	4,418	1,161	181	-
Maine .....	215	231	146	297	80	47	257	70	126	44
Maryland .....	138	202	135	136	116	675	311	285	104	22
Massachusetts .....	147	167	209	80	378	184	240	60	52	69
Michigan .....	105	120	112	127	1,712	2,400	2,603	573	219	(D)
Minnesota .....	131	157	142	123	655	1,863	1,881	434	489	7
Mississippi .....	121	214	149	126	25	1,722	12,451	302	77	83
Missouri .....	121	295	219	156	248	4,657	7,764	376	306	258
Montana .....	137	176	94	58	636	295	260	221	205	12
Nebraska .....	194	159	155	201	3,209	7,401	34,841	22,399	8,004	1,246
Nevada .....	367	269	274	327	-	158	321	414	951	689
New Hampshire .....	259	267	246	-	80	(D)	143	60	76	48
New Jersey .....	151	165	125	147	29	549	975	258	95	48
New Mexico .....	250	187	192	318	413	1,243	2,541	1,874	1,533	1,086
New York .....	131	127	132	176	279	454	439	182	143	6
North Carolina .....	201	227	175	232	199	151	814	655	433	44
North Dakota .....	84	125	120	81	414	574	447	36	(D)	-
Ohio .....	110	115	99	135	149	332	477	57	42	-
Oklahoma .....	219	191	187	181	396	1,640	719	683	1,003	468
Oregon .....	202	178	244	178	2,229	1,565	1,497	1,167	1,523	620
Pennsylvania .....	240	234	249	284	106	277	706	827	646	224
Rhode Island .....	114	82	111	217	115	(D)	46	74	9	-
South Carolina .....	281	210	210	425	72	110	472	321	576	258
South Dakota .....	106	118	118	95	354	619	1,007	139	14	-
Tennessee .....	190	185	245	207	8	106	705	406	194	27
Texas .....	276	396	398	259	812	4,675	27,377	17,203	25,564	5,634
Utah .....	296	291	265	361	127	143	856	395	887	339
Vermont .....	238	227	313	207	8	23	81	40	110	6
Virginia .....	278	282	241	308	67	134	206	210	319	136
Washington .....	291	197	291	246	1,244	980	1,396	1,150	893	1,108
West Virginia .....	220	201	129	409	9	27	40	24	47	3
Wisconsin .....	149	162	167	172	295	1,897	1,723	673	495	59
Wyoming .....	268	303	312	256	9	161	227	310	245	115
<b>Water Resources Regions</b>										
Region 01 New England .....	190	213	193	150	736	260	872	385	458	174
Region 02 Mid-Atlantic .....	179	217	185	197	460	2,709	2,975	1,741	1,271	389
Region 03 South Atlantic-Gulf .....	325	248	274	302	4,356	2,076	8,854	6,601	6,374	8,288
Region 04 Great Lakes .....	114	131	124	129	2,014	3,463	3,810	873	454	23
Region 05 Ohio .....	103	123	120	121	379	2,394	1,223	273	91	30
Region 06 Tennessee .....	207	197	273	(D)	18	71	280	178	102	35
Region 07 Upper Mississippi .....	130	166	135	134	1,610	5,598	5,849	1,365	1,111	131
Region 08 Lower Mississippi .....	125	151	141	133	600	14,324	54,904	2,956	802	448
Region 09 Souris-Red-Rainy .....	90	134	131	86	275	728	414	30	12	-
Region 10 Missouri .....	189	163	156	185	5,514	12,669	39,639	26,993	10,756	1,458
Region 11 Arkansas-White-Red .....	262	213	187	234	1,218	7,229	13,743	6,203	14,828	5,163
Region 12 Texas-Gulf .....	247	405	432	241	798	4,043	27,364	14,408	16,347	2,620
Region 13 Rio Grande .....	238	215	199	279	413	2,141	2,805	1,910	1,376	1,070
Region 14 Upper Colorado .....	276	284	223	493	238	73	237	162	(D)	257
Region 15 Lower Colorado .....	385	269	338	426	20	1,045	1,113	364	894	1,771
Region 16 Great Basin .....	332	235	280	358	11	326	892	788	1,732	865
Region 17 Pacific Northwest .....	257	194	245	236	3,851	3,170	5,265	4,917	4,782	2,694
Region 18 California .....	354	313	277	293	521	6,096	10,843	15,144	13,060	14,128
Region 19 Alaska .....	80	88	60	(D)	62	32	36	8	(D)	-
Region 20 Hawaii .....	435	424	318	737	-	7	24	21	48	60

See footnote(s) at end of table.

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**Table 8. Characteristics of Irrigation Wells Used on Farms: 2013 (continued)**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	Average depth to water <sup>3</sup>				Number of wells with an average depth to water of -					
	For all pumped wells (feet)	For farms with one well (feet)	For farms with two wells (feet)	For farms with three wells (feet)	Under 50 feet	50 to 99 feet	100 to 199 feet	200 to 299 feet	300 to 499 feet	500 feet or more
United States .....	90	82	81	77	189,496	133,869	100,481	28,989	18,030	1,320
Alabama .....	61	60	84	59	554	427	139	12	(D)	-
Alaska .....	33	36	27	(D)	107	33	-	-	-	-
Arizona .....	146	105	151	122	1,299	828	1,299	664	632	44
Arkansas .....	50	62	45	51	27,261	17,334	3,051	345	-	-
California .....	114	106	91	85	16,694	15,939	17,679	4,745	4,055	332
Colorado .....	83	42	66	100	4,336	2,157	2,317	869	145	(D)
Connecticut .....	72	86	64	44	207	185	97	13	7	-
Delaware .....	27	41	29	22	1,427	91	40	-	-	-
Florida .....	84	64	70	73	10,634	4,715	2,323	1,384	1,046	157
Georgia .....	131	138	151	142	1,495	2,952	4,112	1,630	455	8
Hawaii .....	160	152	114	265	20	19	67	54	-	-
Idaho .....	149	127	138	150	1,561	2,739	2,485	1,215	1,007	134
Illinois .....	38	66	47	38	3,993	947	283	10	(D)	(D)
Indiana .....	31	47	37	33	3,506	544	48	(D)	14	-
Iowa .....	29	54	37	20	1,608	157	93	(D)	-	-
Kansas .....	103	64	62	98	8,652	4,534	6,852	2,449	627	-
Kentucky .....	43	52	47	(D)	278	130	(D)	(D)	(D)	-
Louisiana .....	54	57	60	68	5,171	2,391	935	42	-	-
Maine .....	66	67	51	120	283	206	99	36	-	-
Maryland .....	44	76	47	32	1,089	297	104	23	-	-
Massachusetts .....	54	58	85	25	672	169	105	-	37	-
Michigan .....	39	50	53	42	5,511	1,534	378	42	46	-
Minnesota .....	45	56	48	40	3,633	1,080	595	21	-	-
Mississippi .....	48	82	54	53	9,671	4,812	113	58	6	-
Missouri .....	30	93	80	35	12,263	795	413	103	35	-
Montana .....	43	53	27	18	1,083	331	189	26	-	-
Nebraska .....	68	47	68	71	26,798	34,889	14,791	482	140	-
Nevada .....	104	66	69	99	766	414	1,254	89	10	-
New Hampshire .....	85	97	65	-	144	130	104	21	9	-
New Jersey .....	50	60	45	53	1,269	500	132	45	8	-
New Mexico .....	106	73	65	118	2,671	2,439	2,437	495	648	-
New York .....	49	47	50	47	923	435	127	12	6	-
North Carolina .....	69	83	55	93	1,064	781	366	65	13	7
North Dakota .....	29	40	50	27	1,158	300	(D)	-	-	-
Ohio .....	39	42	37	48	776	236	45	-	-	-
Oklahoma .....	84	79	88	76	2,355	841	993	674	46	-
Oregon .....	71	70	100	55	5,145	1,479	1,164	588	204	21
Pennsylvania .....	86	89	83	91	995	881	686	193	31	-
Rhode Island .....	42	31	41	78	165	74	9	-	-	-
South Carolina .....	71	71	71	54	789	578	394	42	6	-
South Dakota .....	38	46	40	39	1,616	434	72	11	-	-
Tennessee .....	63	68	95	69	695	534	188	19	10	-
Texas .....	146	125	133	92	11,366	18,515	31,285	11,503	8,214	382
Utah .....	94	112	70	82	706	1,055	743	187	56	-
Vermont .....	73	68	98	74	114	59	95	-	-	-
Virginia .....	97	106	68	106	410	306	195	69	92	-
Washington .....	110	79	84	107	2,874	1,926	716	646	384	225
West Virginia .....	83	71	71	149	43	50	57	-	-	-
Wisconsin .....	49	60	48	53	3,376	1,287	408	49	20	(D)
Wyoming .....	94	104	122	140	270	380	370	34	13	-
<b>Water Resources Regions</b>										
Region 01 New England .....	64	70	66	56	1,520	771	471	70	53	-
Region 02 Mid-Atlantic .....	61	81	63	61	5,556	2,327	1,219	306	137	-
Region 03 South Atlantic-Gulf .....	95	82	85	87	14,695	9,647	7,355	3,153	1,527	172
Region 04 Great Lakes .....	41	51	54	41	7,648	2,237	642	52	58	-
Region 05 Ohio .....	36	44	46	41	3,376	850	140	22	(D)	-
Region 06 Tennessee .....	71	64	102	(D)	272	292	94	16	10	-
Region 07 Upper Mississippi .....	43	61	48	41	11,242	3,065	1,224	100	25	(D)
Region 08 Lower Mississippi .....	48	56	56	55	46,386	23,136	4,147	363	(D)	-
Region 09 Souris-Red-Rainy .....	29	46	51	29	1,199	168	92	-	-	-
Region 10 Missouri .....	69	51	65	66	36,607	39,376	19,540	1,319	187	-
Region 11 Arkansas-White-Red .....	136	92	80	115	16,216	6,842	11,059	8,497	5,768	(D)
Region 12 Texas-Gulf .....	126	131	139	63	10,545	17,726	26,983	6,213	3,771	342
Region 13 Rio Grande .....	77	68	66	92	4,439	2,710	1,733	651	142	40
Region 14 Upper Colorado .....	98	109	64	178	445	138	309	146	-	-
Region 15 Lower Colorado .....	143	110	132	129	1,363	1,073	1,335	703	689	44
Region 16 Great Basin .....	96	72	74	87	1,249	1,319	1,884	153	(D)	-
Region 17 Pacific Northwest .....	110	83	105	98	9,877	6,052	4,365	2,416	1,589	380
Region 18 California .....	114	106	90	85	16,734	16,088	17,822	4,755	4,061	332
Region 19 Alaska .....	33	36	27	(D)	107	33	-	-	-	-
Region 20 Hawaii .....	160	152	114	265	20	19	67	54	-	-

See footnote(s) at end of table.

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**Table 8. Characteristics of Irrigation Wells Used on Farms: 2013 (continued)**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text]

Geographic area	Average depth to bowls <sup>4</sup>				Number of wells with an average depth to bowls of -					
	For all pumped wells (feet)	For farms with one well (feet)	For farms with two wells (feet)	For farms with three wells (feet)	Under 50 feet	50 to 99 feet	100 to 199 feet	200 to 299 feet	300 to 499 feet	500 feet or more
United States .....	145	136	134	134	66,518	147,505	153,024	56,317	39,500	9,321
Alabama .....	105	99	140	89	131	464	455	44	38	(D)
Alaska .....	49	51	44	(D)	93	29	18	-	-	-
Arizona .....	237	164	243	252	361	1,365	661	732	1,135	512
Arkansas .....	83	96	80	81	3,724	33,957	9,784	188	268	70
California .....	197	174	154	152	4,847	10,874	22,858	10,918	6,506	3,441
Colorado .....	130	81	111	152	1,889	2,836	2,953	1,643	472	33
Connecticut .....	125	149	108	73	83	147	208	44	20	7
Delaware .....	62	80	63	49	492	922	143	(D)	-	-
Florida .....	140	103	114	127	5,552	5,000	6,153	870	1,603	1,081
Georgia .....	199	211	232	209	210	1,590	4,543	2,356	1,812	141
Hawaii .....	253	244	175	407	3	17	37	43	60	-
Idaho .....	201	169	180	232	357	1,902	3,413	1,458	1,621	390
Illinois .....	69	106	76	75	1,782	2,765	537	133	21	6
Indiana .....	58	76	64	60	2,010	1,800	286	(D)	(D)	12
Iowa .....	61	91	74	52	911	710	175	62	9	(D)
Kansas .....	164	96	105	153	3,651	5,292	6,470	4,365	3,012	324
Kentucky .....	76	87	77	(D)	138	157	124	(D)	(D)	-
Louisiana .....	84	90	90	106	1,447	4,717	2,249	126	-	-
Maine .....	120	126	84	189	104	212	198	60	50	-
Maryland .....	83	121	73	92	609	451	351	77	25	-
Massachusetts .....	90	102	129	54	482	168	242	44	17	30
Michigan .....	67	79	79	74	3,403	2,434	1,478	115	81	-
Minnesota .....	82	95	79	71	1,743	2,045	1,326	155	60	-
Mississippi .....	76	122	90	83	772	11,675	2,117	17	73	6
Missouri .....	65	151	127	70	4,843	7,669	629	260	177	31
Montana .....	88	122	52	34	848	161	413	102	105	-
Nebraska .....	121	96	100	124	8,770	22,861	35,218	9,887	224	140
Nevada .....	193	139	142	171	173	289	840	957	274	-
New Hampshire .....	158	155	163	-	81	110	146	(D)	7	28
New Jersey .....	85	95	75	82	672	731	384	97	64	6
New Mexico .....	165	117	115	192	1,210	1,904	3,082	984	1,382	128
New York .....	87	79	89	116	613	398	393	60	33	6
North Carolina .....	122	138	98	168	317	704	999	199	64	13
North Dakota .....	56	83	84	54	795	516	155	13	-	-
Ohio .....	70	74	67	94	393	445	190	23	(D)	-
Oklahoma .....	160	149	145	136	1,081	1,285	869	705	930	39
Oregon .....	119	109	169	96	3,534	1,303	2,018	887	723	136
Pennsylvania .....	147	145	145	173	296	656	1,215	403	195	21
Rhode Island .....	64	46	62	119	119	46	81	(D)	-	-
South Carolina .....	162	112	114	311	151	476	669	295	212	6
South Dakota .....	69	72	75	70	750	925	425	22	11	-
Tennessee .....	107	117	148	108	143	605	587	68	43	-
Texas .....	213	212	229	149	2,879	10,306	33,217	15,796	17,096	1,971
Utah .....	156	172	137	145	330	714	835	668	149	51
Vermont .....	138	130	192	114	39	47	131	43	8	-
Virginia .....	171	182	132	157	166	186	367	176	145	32
Washington .....	175	124	170	160	1,741	1,567	1,626	568	638	631
West Virginia .....	141	134	88	235	31	23	62	28	6	-
Wisconsin .....	89	98	101	98	1,638	1,808	1,381	241	47	27
Wyoming .....	167	196	203	222	111	241	313	330	72	-
<b>Water Resources Regions</b>										
Region 01 New England .....	112	123	118	94	893	691	947	189	100	65
Region 02 Mid-Atlantic .....	109	133	110	120	2,478	3,155	2,650	771	426	65
Region 03 South Atlantic-Gulf .....	156	130	137	162	6,411	8,401	12,981	3,772	3,742	1,242
Region 04 Great Lakes .....	72	83	83	72	4,444	3,627	2,197	274	83	12
Region 05 Ohio .....	67	79	82	78	1,969	1,767	524	92	38	-
Region 06 Tennessee .....	133	134	168	(D)	76	201	279	82	40	6
Region 07 Upper Mississippi .....	78	100	82	76	5,427	6,517	3,020	519	148	33
Region 08 Lower Mississippi .....	79	88	86	87	9,330	50,294	13,701	312	327	70
Region 09 Souris-Red-Rainy .....	58	85	83	55	759	539	154	7	-	-
Region 10 Missouri .....	120	99	102	115	14,320	27,351	41,307	13,074	822	155
Region 11 Arkansas-White-Red .....	205	149	127	177	4,493	13,674	7,400	9,661	11,346	1,810
Region 12 Texas-Gulf .....	187	221	250	114	2,222	9,803	32,629	10,481	9,834	611
Region 13 Rio Grande .....	140	117	117	164	1,766	3,063	2,780	799	1,216	91
Region 14 Upper Colorado .....	159	169	126	273	311	124	256	106	241	-
Region 15 Lower Colorado .....	233	172	217	252	247	1,788	669	742	1,198	563
Region 16 Great Basin .....	171	129	146	157	412	773	1,623	1,475	331	-
Region 17 Pacific Northwest .....	163	126	166	152	5,995	4,769	6,863	2,868	3,027	1,157
Region 18 California .....	197	174	154	152	4,869	10,922	22,989	11,050	6,521	3,441
Region 19 Alaska .....	49	51	44	(D)	93	29	18	-	-	-
Region 20 Hawaii .....	253	244	175	407	3	17	37	43	60	-

<sup>1</sup> Increases and decreases in depth are reported over a five year period.

<sup>2</sup> Data do not include flowing or artesian wells.

<sup>3</sup> Depth at the start of the irrigation season.

<sup>4</sup> Depth to bowls or impellers.