

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na+K)
<u>ADVANCE</u>									
BoI23-1	90	Limestone	H.E. Barnard	1907	0.01	-	61	25	-
BoI23-3-1	38	Gravel	I.S.B.H.	Oct. 3, 1946	10.	-	-	-	-
BoI23-3-2	35	Sand and gravel	do.	May 7, 1947	5.0	0.0	-	-	-
<u>JAMESTOWN</u>									
BoM10-6-1 and 2	56	do.	do.	About 1942	2.0	-	-	-	-
BoM10-6-1 or 2	56	do.	do.	June 18, 1946	1.2	-	-	-	-
BoM10-6-1 and 2	56	do.	do.	do.	1.2	-	-	-	-
<u>LEBANON</u>									
BoF36-1-11?	230	Gravel	Chase Palmer	1907	2.3	-	78	37	99
BoF36-1-6	97	do.	do.	do.	0.4	-	53	30	31
All pumping municipal wells	53, 104, and 225*	do.	I.S.B.H.	Sept. 23, 1932	0.5	0.1	-	-	-
Do.	do.	do.	do.	Jan. 31, 1934	2.0	-	-	-	-
Do.	do.	do.	Grover Tank Co.	Aug. 14, 1934	3.25	-	98.8	31.8	60.9
Do.	do.	do.	International Filter Co.	Aug. 15, 1934	1.4	-	-	144	141

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate CO ₃	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
<u>ADVANCE</u>											
BoI23-1	-	0.0	366	0.0	16	-	-	-	412	-	-
BoI23-3-1	-	-	-	-	1	-	400	354	-	7.7	-
BoI23-3-2	-	-	-	-	1	1.4	370	338	-	8.1	-
<u>JAMESTOWN</u>											
BoM10-6-1 and 2	-	-	-	-	8	-	328	258	-	7.8	-
BoM10-6-1 or 2	-	-	-	-	1	-	356	265	-	7.9	-
BoM10-6-1 and 2	-	-	-	-	1	-	350	269	-	7.5	-
<u>LEBANON</u>											
BoF36-1-11 ?	-	24	564	1.6	4.2	-	-	-	622	-	-
BoF36-1-6	-	14	301	3.6	2.5	-	-	-	352	-	-
All pumping municipal wells	24	-	-	-	12	-	296	322	-	7.2	-
Do.	18	-	-	-	11	-	382	-	-	7.7	51.8
Do.	9.9%	-	-	-	13.34	-	-	511	791	7.1	-
Do.	-	-	-	-	-	-	394	374	512	7.2	-

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mag- nesi- um (Mg)	Sodium and Po- tassium (Na+K)
<u>LEBANON (cont.)</u>									
BoF36-1-4	47	Gravel	I.S.B.H.	Apr. 11, 1935	1.5	-	-	-	-
BoF36-1-5	59	do.	do.	do.	8.0	-	-	-	-
BoF36-1-6	104	do.	do.	do.	0.7	-	-	-	-
BoF36-1-10	220	do.	do.	do.	5.0	-	-	-	-
BoF36-1-1	104	do.	do.	Sept. 14, 1935	0.5	-	-	-	-
BoF36-1-2	53	do.	do.	do.	8.0	-	-	-	-
BoF36-1-3	104	do.	do.	do.	1.0	-	-	-	-
BoF36-1-4	47	do.	do.	do.	0.8	-	-	-	-
BoF36-1-5	59	do.	do.	do.	3.0	-	-	-	-
BoF36-1-6	104	do.	do.	do.	0.6	-	-	-	-
BoF36-1-8	104	do.	do.	do.	0.8	-	-	-	-
BoF36-1-19 ¹	105 or 224 ?	do.	do.	do.	2.5	-	-	-	-
BoF36-1-10	22C	do.	do.	do.	1.2	-	-	-	-
All pumping municipal wells (water from raw- water reservoir)									
	50, 104, and 225 ⁺	do.	do.	Jan. 3, 1936	1.8	-	-	-	-

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
<u>LEPANON (Cont.)</u>											
BoF36-1-4	28	-	-	-	13	-	376	494	-	7.2	55.4
BoF36-1-5	41	-	-	-	15	-	366	446	-	7.3	57.2
BoF36-1-6	11	-	-	-	5	-	354	316	-	7.4	57.2
BoF36-1-10	38	-	-	-	2	-	524	336	-	7.4	53.6
BoF36-1-1	-	-	-	-	-	-	334	280	-	-	-
BoF36-1-2	-	-	-	-	-	-	378	322	-	-	-
BoF36-1-3	-	-	-	-	-	-	366	350	-	-	-
BoF36-1-4	-	-	-	-	-	-	374	482	-	-	-
BoF36-1-5	-	-	-	-	-	-	374	478	-	-	-
BoF36-1-6	-	-	-	-	-	-	358	324	-	-	-
BoF36-1-8	-	-	-	-	-	-	362	346	-	-	-
BoF36-1-19 ¹¹	-	-	-	-	-	-	330	416	-	-	-
BoF36-1-10	-	-	-	-	-	-	554	368	-	-	-
All pumping municipal wells (water from raw- water reservoir)	-	-	-	-	-	-	344	-	-	7.5	-

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mag- nesium (Mg)	Sodium and Po- tassium (Na+K)
<u>LEBANON (Cont.)</u>									
All pumping municipal wells (water from raw- water reservoir)									
Do.	50, 104, and 225 _F	Gravel	I. S. B. H.	Feb. 25, 1936	2.0	-	-	-	-
Do.	do.	do.	do.	Mar. 25, 1936	1.3	-	-	-	-
Do.	do.	do.	do.	Apr. 22, 1936	1.2	-	-	-	-
Do.	do.	do.	do.	June 9, 1936	1.2	-	-	-	-
Do.	do.	do.	do.	Nov. 13, 1936	1.2	-	-	-	-
Do.	do.	do.	do.	Dec. 30, 1936	1.0	-	-	-	-
Do.	do.	do.	do.	Feb. 2, 1937	1.5	-	-	-	-
Do.	do.	do.	do.	Apr. 7, 1937	0.8	-	-	-	-
Do.	do.	do.	do.	May 5, 1937	1.2	-	-	-	-
Do.	do.	do.	do.	Dec. 21, 1937	1.3	-	-	-	-
Do.	do.	do.	do.	Feb. 24, 1938	1.8	-	-	-	-
Do.	do.	do.	do.	Apr. 28, 1938	2.0	-	-	-	-
Do.	do.	do.	do.	May 2, 1938	3.0	-	-	-	-
Do.	do.	do.	do.	Oct. 25, 1938	1.5	-	-	-	-

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
<u>LEAMON (Cont.)</u>											
All pumping municipal wells (water from raw- water reservoir)											
Do.	-	-	-	-	-	-	364	-	-	7.4	-
Do.	-	-	-	-	-	-	390	-	-	7.4	-
Do.	-	-	-	-	-	-	374	-	-	7.5	-
Do.	-	-	-	-	-	-	382	-	-	7.5	-
Do.	-	-	-	-	-	-	358	-	-	7.6	-
Do.	-	-	-	-	-	-	344	-	-	7.6	-
Do.	-	-	-	-	-	-	344	-	-	7.6	-
Do.	-	-	-	-	-	-	350	-	-	7.6	-
Do.	-	-	-	-	-	-	376	-	-	7.4	-
Do.	-	-	-	-	-	-	348	-	-	7.4	-
Do.	-	-	-	-	-	-	352	-	-	7.5	-
Do.	24	-	-	-	-	-	374	446	-	7.4	-
Do.	-	-	-	-	-	-	374	-	-	7.3	-
Do.	-	-	-	-	-	-	384	-	-	7.5	-

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mag- nesium (Mg)	Sodium and Po- tassium (Na+K)
<u>LEBMON (Cont.)</u>									
All pumping municipal wells (water from raw- water reservoir)	50, 104, and 225	Gravel	I. S. B. II.	Jan. 2, 1939	1.2	-	-	-	-
Do.	do.	do.	do.	Mar. 28, 1939	1.5	-	-	-	-
Do.	do.	do.	do.	Nov. 6, 1939	1.6	-	-	-	-
Do.	do.	do.	do.	Mar. 7, 1940	1.2	-	-	-	-
Do.	do.	do.	do.	May 22, 1940	1.6	-	-	-	-
Do.	do.	do.	do.	Oct. 29, 1940	1.2	-	-	-	-
Do.	do.	do.	do.	Jan. 22, 1941	0.9	-	-	-	-
Do.	do.	do.	do.	Apr. 15, 1941	1.4	-	-	-	-
Do.	do.	do.	do.	Nov. 18, 1941	1.2	-	-	-	-
Do.	do.	do.	do.	Apr. 7, 1942	1.4	-	-	-	-
Do.	do.	do.	do.	June 26, 1942	1.6	-	-	-	-
Do.	do.	do.	do.	Oct. 7, 1942	1.2	-	-	-	-
Do.	do.	do.	do.	Oct. 20, 1943	1.2	-	-	-	-
Do.	do.	do.	do.	Jan. 22, 1946	0.9	-	-	-	-

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
<u>LEBANON (Cont.)</u>											
All pumping municipal wells (water from raw- water reservoir)											
Do.	-	-	-	-	-	-	374	-	-	7.9	-
Do.	-	-	-	-	-	-	378	434	-	7.5	-
Do.	-	-	-	-	-	-	374	-	-	7.4	-
Do.	-	-	-	-	-	-	358	415	-	7.5	-
Do.	-	-	-	-	-	-	372	384	-	7.5	-
Do.	-	-	-	-	-	-	396	372	-	7.4	-
Do.	-	-	-	-	-	-	388	360	-	7.5	-
Do.	-	-	-	-	-	-	392	384	-	7.4	-
Do.	-	-	-	-	-	-	350	396	-	7.8	-
Do.	-	-	-	-	-	-	388	-	-	7.8	-
Do.	-	-	-	-	-	-	376	406	-	7.7	-
Do.	-	-	-	-	-	-	380	432	-	7.6	-
Do.	-	-	-	-	-	-	406	448	-	7.7	-
Do.	-	-	-	-	-	-	356	298	-	7.9	-

(parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mag- nesium (Mg)	Sodium and Potas- sium (Na+K)
<u>LEBANON (Cont.)</u>									
All pumping municipal wells (water from raw- water reservoir)	50, 104, and 225	Gravel	I. S. E. H.	Apr. 16, 1947	2.0	-	-	-	-
<u>THORNTON</u>									
C-Bo??-33	90	do.	Chase Palmer	1907	1.0	-	67	28	50
Bo-A35-1-5 or 6	70	do.	I. S. B. H.	Feb. 2, 1931	1.4	-	-	-	-
Do.	do.	do.	do.	do.	6.0	-	-	-	-
Do.	do.	do.	do.	Jan. 31, 1934	1.5	-	-	-	-
Do.	do.	do.	do.	do.	2.3	-	-	-	-
Do.	do.	do.	do.	Aug. 16, 1934	2.5	-	-	-	-
Do.	do.	do.	do.	do.	1.5	-	-	-	-
Do.	do.	do.	do.	Apr. 2, 1936	0.0	-	-	-	-
Do.	do.	do.	do.	do.	1.0	-	-	-	-
Do.	do.	do.	do.	Sept. 2, 1936	1.5	-	-	-	-
Do.	do.	do.	do.	do.	2.3	-	-	-	-
Do.	do.	do.	do.	Nov. 6, 1937	2.5	-	-	-	-
Do.	do.	do.	do.	do.	2.5	-	-	-	-

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate CO ₃	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F)
<u>LEBANON (Cont.)</u>											
All pumping municipal wells (water from raw- water reservoir)	-	-	-	-	-	-	384	303	-	8.2	-
<u>THORNTON</u>											
G-Bo??-33	-	7.2	378	9.5	12	-	-	-	390	-	-
BoA35-1-5 or 6	-	-	-	-	28	-	388	-	-	-	-
Do.	-	-	-	-	30	-	388	-	-	-	-
Do.	-	-	-	-	27	-	382	-	-	-	-
Do.	16	-	-	-	29	-	376	418	-	7.2	51.8
Do.	14	-	-	-	27	-	378	410	-	7.2	53.6
Do.	-	-	-	-	27	-	302	-	-	7.4	-
Do.	14	-	-	-	26	-	306	406	-	7.2	51.8
Do.	-	-	-	-	27	-	390	-	-	7.4	-
Do.	14	-	-	-	26	-	386	414	-	7.3	53.6
Do.	-	-	-	-	26	-	384	-	-	7.5	-
Do.	13	-	-	-	26	-	384	418	-	7.5	53.6
Do.	11	-	-	-	27	-	390	444	-	7.6	53.6

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mg- nesium (Mg)	Sodium and Po- tassium (Na+K)
BA 35-1-5 for 6	70	Gravel	I.S.B.H.	Nov. 6, 1937	2.5	-	-	-	-
Do.	do.	do.	do.	Apr. 27, 1938	2.5	-	-	-	-
Do.	do.	do.	do.	do.	4.0	-	-	-	-
Do.	do.	do.	do.	Jan. 24, 1939	1.6	-	-	-	-
Do.	do.	do.	do.	do.	2.0	-	-	-	-
Do.	do.	do.	do.	Apr. 11, 1940	1.6	-	-	-	-
Do.	do.	do.	do.	do.	9.6 ?	-	-	-	-
Do.	do.	do.	do.	do.	2.4	-	-	-	-
Do.	do.	do.	do.	July 30, 1940	1.6	-	-	-	-
Do.	do.	do.	do.	do.	1.6	-	-	-	-
Do.	do.	do.	do.	do.	3.0	-	-	-	-
Do.	dc.	do.	do.	Feb. 14, 1942	1.8	-	-	-	-
Do.	dc.	do.	do.	do.	1.9	-	-	-	-
Do.	do.	do.	do.	Dec. 23, 1943	1.5	-	-	-	-
Do.	dc.	do.	do.	do.	1.7	-	-	-	-
Do.	dc.	do.	do.	Sept. 20, 1946	2.5	-	-	-	-

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F)
Boa35-1-5 or 6	-	-	-	-	28	-	392	-	-	7.6	-
Do.	-	-	-	-	29	-	406	444	-	7.2	-
Do.	-	-	-	-	28	0.5	420	-	585	7.4	-
Do.	35	-	-	-	25	-	406	488	-	7.3	52
Do.	-	-	-	-	25	-	408	-	-	7.3	-
Do.	-	-	-	-	23	-	384	-	-	7.4	-
Do.	-	-	-	-	25	-	388	-	-	7.4	-
Do.	-	-	-	-	24	-	382	-	-	7.5	-
Do.	-	-	-	-	19	-	388	-	-	7.3	-
Do.	-	-	-	-	21	-	388	-	-	7.3	-
Do.	-	-	-	-	21	-	392	-	-	7.4	-
Do.	-	-	-	-	15	-	374	374	-	7.9	-
Do.	-	-	-	-	16	-	372	-	-	7.7	-
Do.	-	-	-	-	6	-	322	364	-	8.1	-
Do.	-	-	-	-	4	-	332	-	-	8.0	-
Do.	-	-	-	-	14	-	406	380	-	7.1	-

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na+K)
<u>THORNTON (Cont.)</u>									
BoA35-1-5 or 6	70	Gravel	I.S.B.H.	Sept. 20, 1946	1.75	-	-	-	-
Do.	do.	do.	do.	Mar. 17, 1946	1.5	-	-	-	-
<u>WHITESTOWN</u>									
BoL?-44	105	do.	H.E. Barnard	1907	1.2	-	64	27	-
<u>ZIONSVILLE</u>									
Bo??-46	108	do.	do.	do.	0.01	-	114	35	-
Zionsville Water and Electric Co.	-	-	-	do.	4.4a/	-	96	22	14
Public Well	"Open well"	Till	H.E. Barnard	do.	0.4	-	49	28	-
BoP2-1-1	110 or 14	Gravel	I.S.B.H.	Oct. 10, 1930	0.2	-	-	-	-
Do.	do.	do.	do.	Apr. 18, 1932	0.6	-	-	-	-
Do.	do.	do.	do.	Aug. 14, 1934	0.3	-	-	-	-
Do.	do.	do.	do.	June 11, 1936	0.5	-	-	-	-
Do.	do.	do.	do.	Aug. 3, 1936	0.3	-	-	-	-
BoP2-1-2	70	do.	do.	July 12, 1937	11.0 ?	-	-	-	-
Do.	do.	do.	do.	Oct. 9, 1937	2.5	-	-	-	-

a/ Iron and aluminum

(Parts per million, except pH)

Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
<u>THORNTOWN (Cont.)</u>											
Bo35-1-5 or 6	-	-	-	-	15	-	408	411	-	7.1	-
Do.	-	-	-	-	2	0.3	404	383	-	7.2	-
<u>WHITESTOWN</u>											
BoL?-44	-	0.0	451	0.0	12	-	-	-	512	-	-
<u>ZIONSVILLE</u>											
Bo??-46	-	0.0	345	120	112	-	-	-	754	-	-
Zionsville Water and Electric Co.	-	163	-	57	22	-	-	-	432	-	-
Public well	-	0.0	388	0.0	32	-	-	-	454	-	-
BoP2-1-1	-	-	-	-	18	-	430	-	-	-	-
Do.	-	-	-	-	14	-	390	-	-	7.4	-
Do.	11	-	-	-	14	-	334	324	-	7.4	53.6
Do.	9	-	-	-	21	-	364	294	-	7.5	-
Do.	-	-	-	-	14	-	312	318	-	7.6	-
BoP2-1-2	-	-	-	-	70	-	356	378	-	7.7	-
Do.	-	-	-	-	23	-	394	454	-	7.5	-

(Parts per million, except pH)

Well No. or owner	Depth (feet)	Aquifer	Analyst	Date of collection	Iron (Fe)	Manga- nese (Mn)	Cal- cium (Ca)	Mag- nesium (Mg)	Sodium and Po- tassium (Na,K)
<u>ZIONSVILLE (Cont.)</u>									
BoP2-1-2	70	Gravel	I. S. E. H.	Jan. 13, 1938	2.0	-	-	-	-
Do.	do.	do.	do.	Mar. 21, 1938	2.0	-	-	-	-
Do.	do.	do.	do.	June 21, 1938	2.0	-	-	-	-
Do.	do.	do.	do.	Nov. 30, 1938	3.0	-	-	-	-
Do.	do.	do.	do.	do.	1.5	-	-	-	-
Do.	do.	do.	do.	Jan. 16, 1939	2.5	-	-	-	-
BoP2-1-3	74	do.	do.	Oct. 31, 1939	1.7	-	-	-	-
Do.	do.	do.	do.	do.	2.2	-	-	-	-
Do.	do.	do.	do.	Jan. 28, 1943	0.8	-	-	-	-
Do.	do.	do.	do.	Aug. 18, 1944	1.2	-	-	-	-
Do.	do.	do.	do.	Jan. 5, 1945	1.3	-	-	-	-
Do.	do.	do.	do.	Sept. 20, 1946	1.3	-	-	-	-

(Parts per million, except pH)

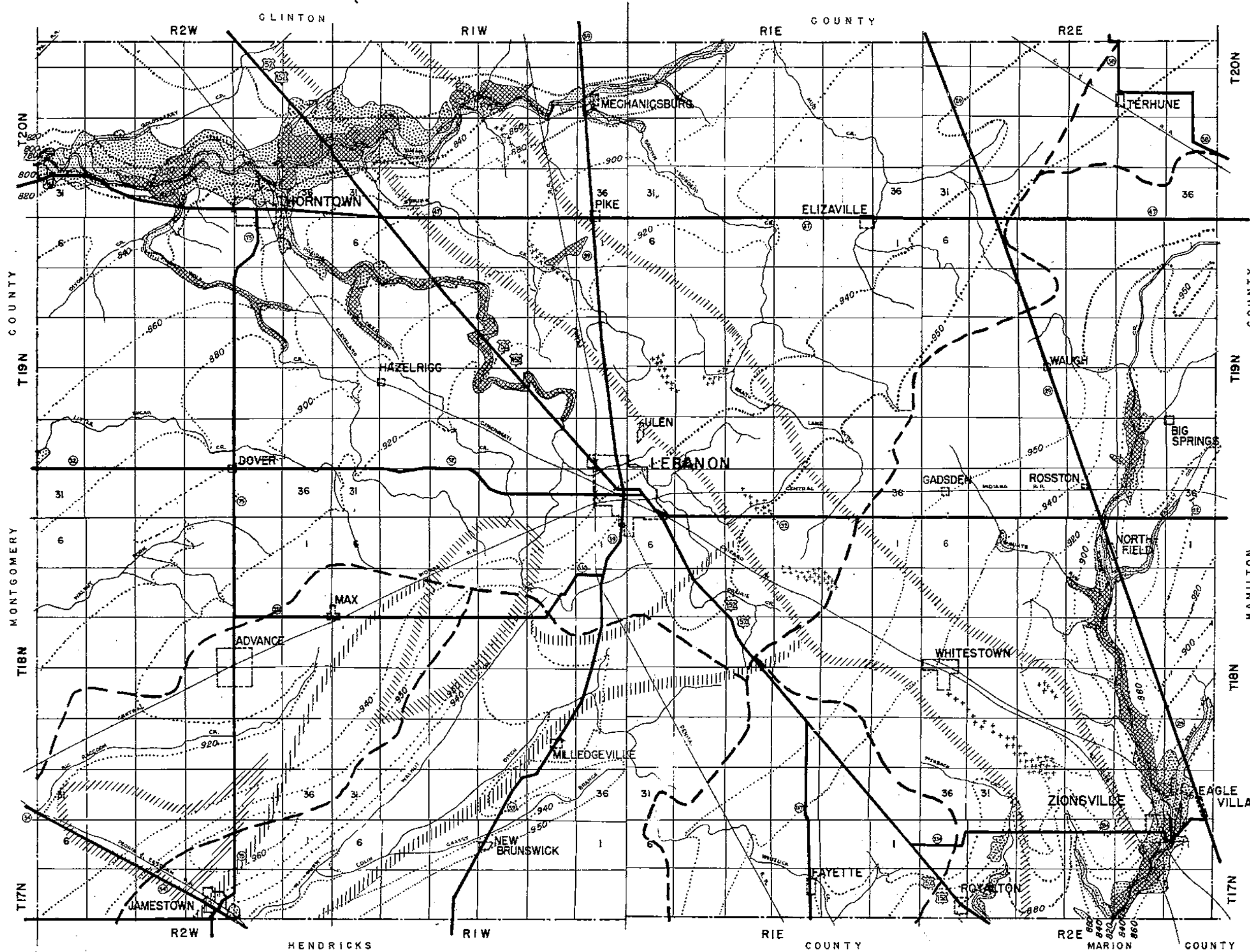
Well No. or owner	Free CO ₂	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Alkalinity as CaCO ₃	Total hardness	Dissolved solids	pH	Temp (°F.)
ZIONSVILLE (Cont.)											
BoP2-1-2	13	-	-	-	26	-	380	410	-	7.1	51.8
Do.	-	-	-	-	26	-	360	424	-	7.6	-
Do.	45	-	-	-	28	-	388	444	-	7.4	53.6
Do.	53	-	-	-	27	-	376	457	-	7.3	54
Do.	-	-	-	-	15	-	148	73 ?	-	9.0	-
Do.	38	-	-	-	15	-	304	521	-	7.2	54
BoP2-1-3	-	-	-	-	11	-	334	328	328	7.5	-
Do.	-	-	-	-	23	-	374	448	-	7.3	-
Do.	-	-	-	-	9	-	296	368	-	7.4	-
Do.	-	-	-	-	11	-	302	392	-	7.7	-
Do.	-	-	-	-	3	-	278	348	-	8.0	-
Do.	-	-	-	-	0 ?	-	316	388	-	7.1	-

APPENDIX D

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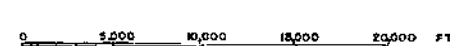
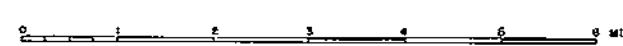


- EXPLANATION**
- DRAINAGE DIVIDE
 - GENERALIZED SURFACE CONTOURS BASED ON ELEVATIONS OF BENCH MARKS ESTABLISHED BY U.S. COAST AND GEODETIC SURVEY. ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
 - AREA OF MORAINAL HILLS.
 - BOUNDARY OF MORAINES DEPOSITED ON LAND.
 - BOUNDARY OF MORAINES DEPOSITED IN WATER.
 - BOUNDARY OF SLUGGEWAY OF LEVERETT.
 - AREA OF FOX SILT LOAM AND FOX SANDY LOAM SOILS, WHICH ARE NORMALLY DEVELOPED ON WISCONSIN OUTWASH DEPOSITS OF SAND AND GRAVEL. THESE SOILS USUALLY INDICATE OUTWASH TERRACE REMNANTS OR VALLEY TRAINS.
 - AREA OF GENESEE SANDY LOAM SOIL, WHICH IS GENERALLY DEVELOPED ON ALLUVIAL SAND AND GRAVEL. THIS SOIL INDICATES RECENT ALLUVIUM.
 - AREA OF GENESEE LOAM AND GENESEE SILT LOAM SOILS, WHICH ARE GENERALLY DEVELOPED ON ALLUVIAL COARSE SANDS AND FINE GRAVELS. THESE SOILS INDICATE RECENT ALLUVIUM.
- DRAINAGE-DIVIDE DATA TAKEN FROM BOONE CO. DRAINAGE MAP BY INDIANA DEPT. CONS., DIV. ENG., DATED 1923, REVISED 1924 AND 1937.
- GEOLOGY BY FRANK LEVERETT(II) AND W. D. THORNBURY.
- SOIL DATA TAKEN FROM "SOIL SURVEY OF BOONE CO., INDIANA," U.S. DEPT. AGR., 1914.

MAP OF
BOONE COUNTY, INDIANA
SHOWING SURFACE DRAINAGE, SURFICIAL GEOLOGY,
AND GENERALIZED CONTOURS OF LAND SURFACE

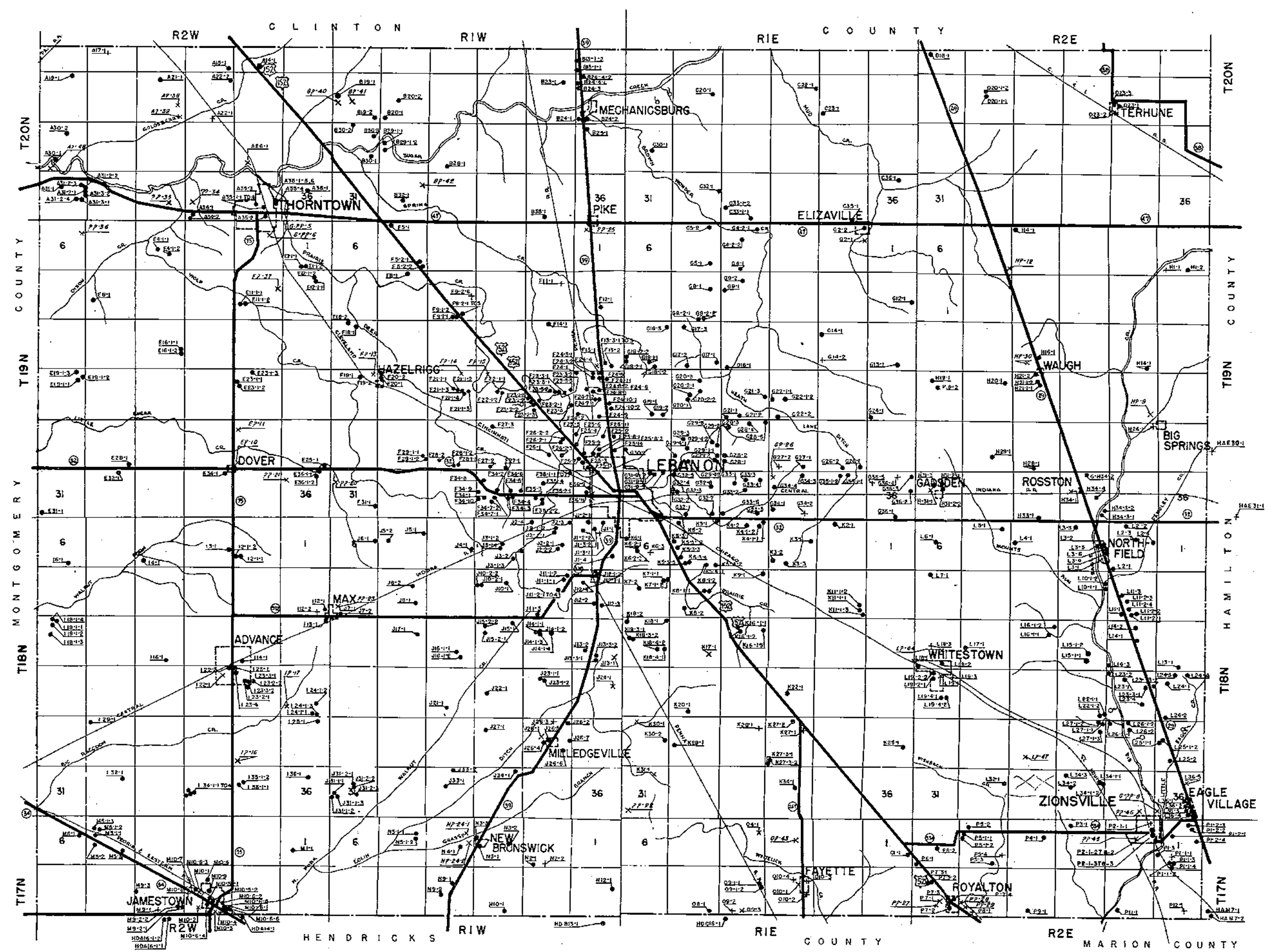
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7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP



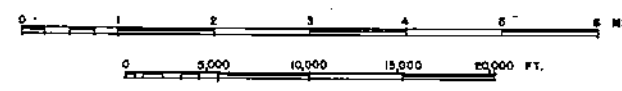
	R2W	RIW	RIE	R2E
T20N	A	B	C	D
T19N	E	F	G	H
T18N	I	J	K	L
T17N	M	N	O	P

LETTER DESIGNATION OF TOWNSHIPS
IN WELL-NUMBERING SYSTEM



- EXPLANATION**
- WELL LOCATION
 - Definite
 - + Indefinite
 - x General
 - SPRING

MAP OF
BOONE COUNTY, INDIANA
SHOWING LOCATIONS OF WELLS

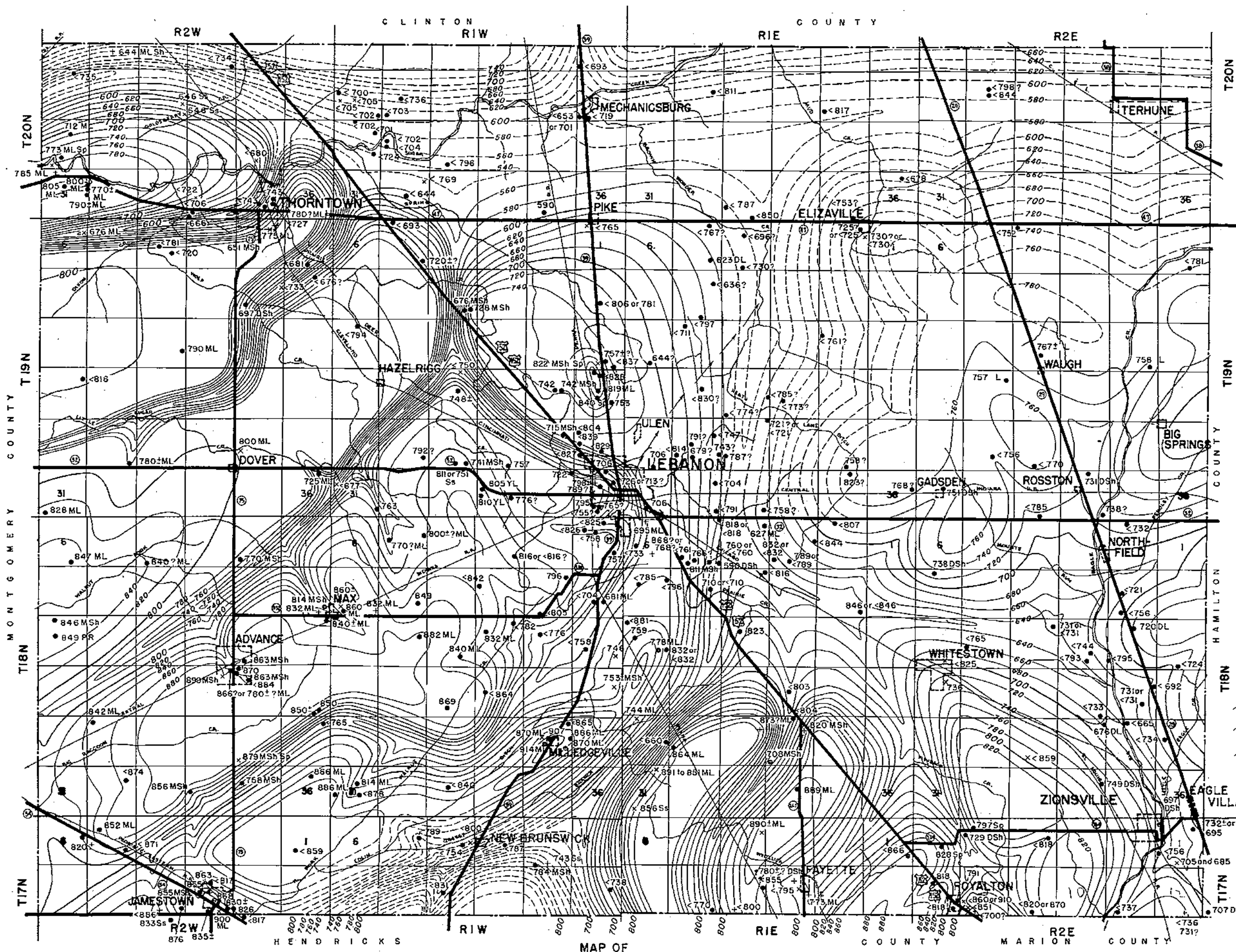


6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

	R2W	R1W	R1E	R2E
T20N	A	B	C	D
T19N	E	F	G	H
T18N	I	J	K	L
T17N	M	N	O	P

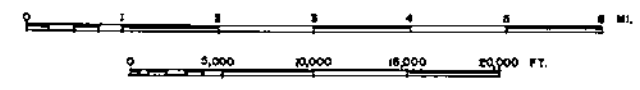
LETTER DESIGNATION OF TOWNSHIPS
IN WELL-NUMBERING SYSTEM



EXPLANATION

- WELL LOCATION
 - Definite
 - + Indefinite
 - x General
- 838 ELEVATION OF BEDROCK SURFACE, IN FEET ABOVE MEAN SEA LEVEL
- <838 ELEVATION OF BEDROCK SURFACE IS LESS THAN 838 FEET ABOVE MEAN SEA LEVEL
- TYPES OF BEDROCK AT BEDROCK SURFACE
 - DL Limestone
 - Dsh Black shale
 - Sp Soapstone
 - MSh Shale
 - Ss Sandstone
 - ML Limestone, white, blue, or grey
 - YL Limestone, yellow
 - PR Porous rock
- CONTOURS ON BEDROCK SURFACE
- CONTOURS ON BEDROCK SURFACE QUESTIONABLE
- POSSIBLE BEDROCK DRAINAGE LINE

BOONE COUNTY, INDIANA
SHOWING
BEDROCK TOPOGRAPHY AND LITHOLOGY



SCALE

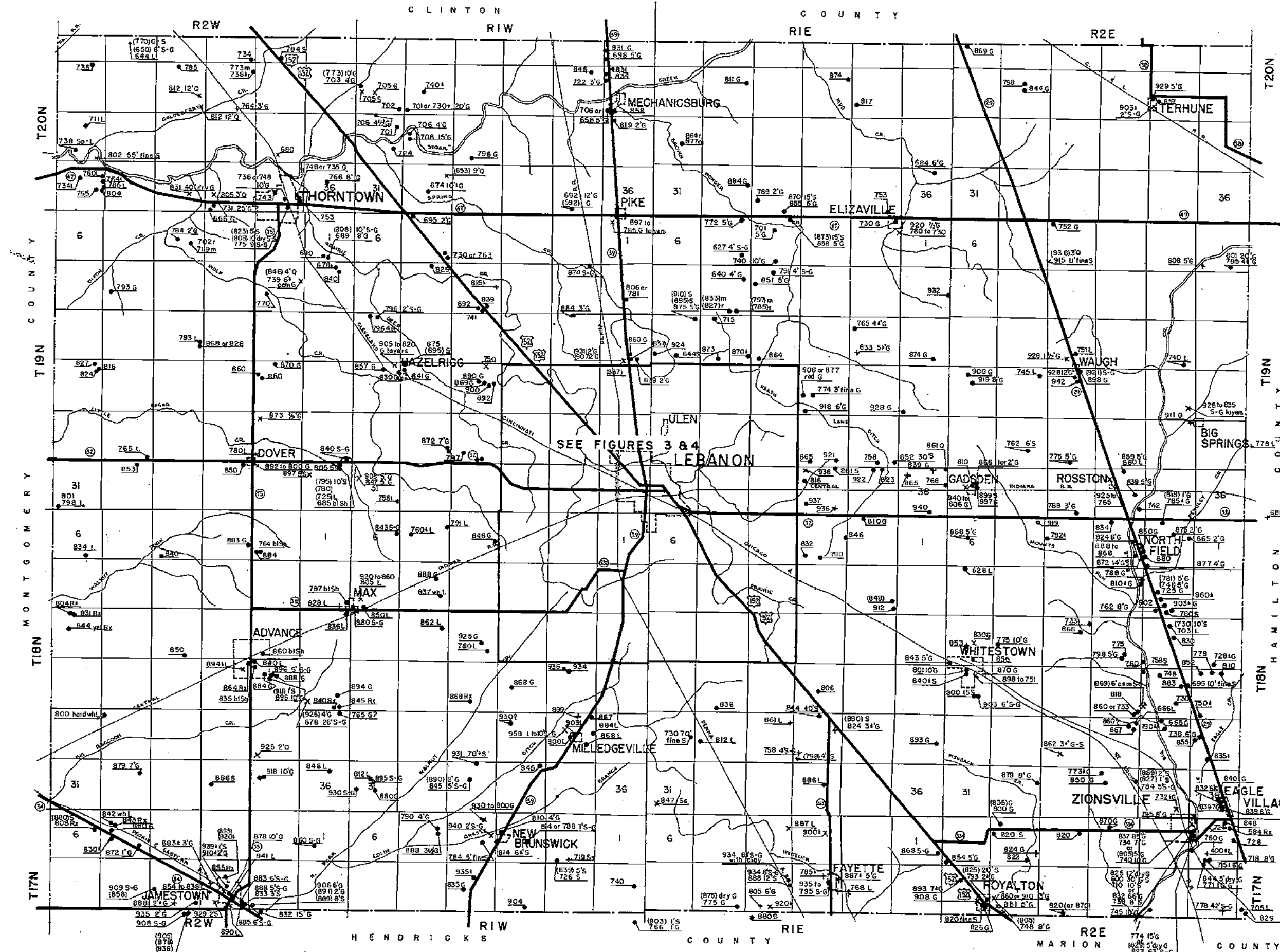
CONTOUR INTERVAL 20 FEET

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

R2W	RIW	RIE	R2E	
T20N	A	B	C	D
T19N	E	F	G	H
T18N	I	J	K	L
T17N	M	N	O	P

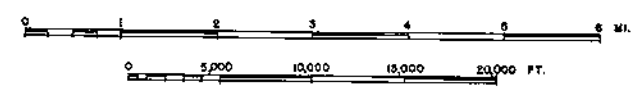
LETTER DESIGNATION OF TOWNSHIP IN WELL-NUMBERING SYSTEM



EXPLANATION

- Definite WELL LOCATION
- + Indefinite
- x General
- 929.5G ELEVATION, IN FEET ABOVE SEA LEVEL, OF TOP OF PRINCIPAL AQUIFER, THICKNESS AND TYPE OF AQUIFER
- (895) ELEVATION, IN FEET ABOVE SEA LEVEL, OF TOP OF MINOR OR UNUSED AQUIFER
- G- Gravel
- S- Sand
- Q- Quicksand
- L- Limestone
- Sh- Shale
- Ss- Sandstone
- Rx- Bedrock
- cem-cemented
- m-measured
- r-repaired
- bl-blue
- wh-white
- yel-yellow

MAP OF
BOONE COUNTY, INDIANA
SHOWING DATA ON AQUIFERS

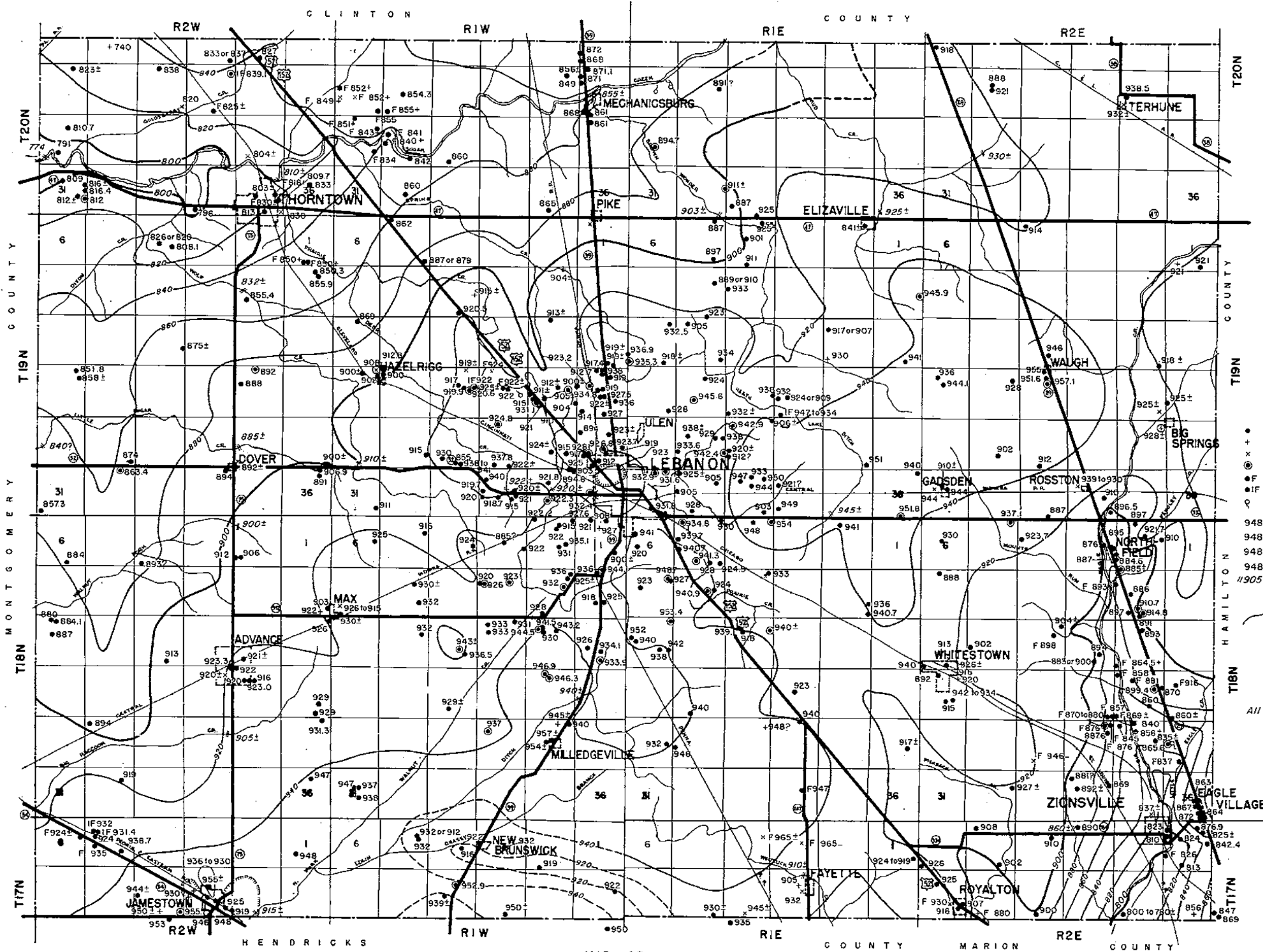


6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

	R2W	RIW	RIE	R2E
T20N	A	B	C	D
T19N	E	F	G	H
T18N	I	J	K	L
T17N	M	N	O	P

LETTER DESIGNATION OF TOWNSHIPS IN WELL-NUMBERING SYSTEM



EXPLANATION

- WELL LOCATION
- Definite
- ⊕ Indefinite
- ⊙ General
- ⊗ Shallow well, less than 32 feet
- ⊕ F Perennial flowing well
- ⊕ IF Intermittent flowing well
- ⊕ Spring
- 948 - Water level elevation, record from published report
- 948 Reported water level elevations
- 948.6 Measured water level elevation
- 948 ± Approximate water level elevation
- 905 ± Approximate elevation of water surface of stream
- CONTOURS OF PIEZOMETRIC SURFACE AND WATER TABLE, 1947, DASHED WHERE APPROXIMATE
- CONTOUR INTERVAL 20 FEET
- All elevations in feet above mean sea level

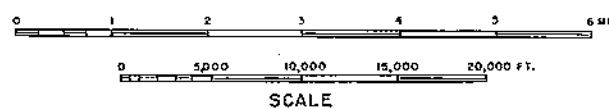
MAP OF
BOONE COUNTY, INDIANA
SHOWING
CONTOURS OF THE PIEZOMETRIC SURFACE
AND
WATER TABLE
1947

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

	R2W	R1W	R1E	R2E
T20N	A	B	C	D
T19N	E	F	G	H
T18N	I	J	K	L
T17N	M	N	O	P

LETTER DESIGNATION OF TOWNSHIPS
IN WELL-NUMBERING SYSTEM



SCALE