

TEST RUN TO DETERMINE AMOUNT OF WATER AVAILABLE FROM
NEW ARTESIAN WELL NO. 6, DUBUQUE, IOWA. JUNE 30, 1935;
2;10 P.M. to 9;45 P.M. Used 10" PIPE WITH 8 1/2" ORIFICE.
TEST MADE BY SUPT. J.W. MC EVOY, J.W. STRAUB, C.W. VARNER,
Well Driller & J. A. FALKMAN, Consulting Engineer.

TIME	WEIR	DRAWDOWN		ORIFICE HEAD	G.P.M.	G.P.D.	Remarks
		LBS. ON GAUGE	FT.				
P.M.							
2;10	1.4"	62.5	0				
2;10				20 1/8"	1,820		
2;25		31.0	73.8	19"	1,804	2,597,760	Valve wide open
2;40		30.5	73.9	19"	1,804	2,597,760	" " "
2;55		28.0	79.7	18 7/8"	1,795	2,584,800	" " "
3;10	.88"	28.0	79.7	18 3/4"	1,786	2,571,840	" " "
3;25		27.0	82.0	18 5/8"	1,772	2,551,680	" " "
3;40	.75"	27.0	82.0	18 5/8"	1,772	2,551,680	" " "
3;55		27.0	82.0	18 5/8"	1,772	2,551,680	" " "
4;10		27.0	82.0	18 5/8"	1,772	2,551,680	" " "
4;25		26.0	84.0	18 5/8"	1,772	2,551,680	" " "
4;30		32.0	70.0	11 5/8"	1,397	2,011,680	Valve throttled
4;45	.75"	32.0	70.0	11 1/2"	1,390	2,001,600	" " "
5;00		33.5	67.0	11 1/2"	1,390	2,001,600	" " "
5;00		27.5	81.0	18 3/4"	1,786	2,571,840	Valve wide open
5;15		27.0	82.0	18 5/8"	1,772	2,551,680	" " "
5;30	.5"	27.0	82.0	18 5/8"	1,772	2,551,680	Started air-lift
5;45		25.0	87.0	18 3/8"	1,760	2,534,400	Operating air-lift
6;00		23.5	90.0	18 3/8"	1,760	2,534,400	" " "
6;15		22.5	92.0	18 1/8"	1,745	2,512,800	" " "
6;30		21.5	95.0	18 1/8"	1,745	2,512,800	" " "
6;45		21.0	96.0	18"	1,739	2,504,050	" " "
7;00		20.0	98.0	18"	1,739	2,504,050	" " "
7;15		19.0	100.0	17 7/8"	1,731	2,492,040	" " "
7;30		18.5	102.0	17 3/4"	1,724	2,482,560	" " "
7;45		18.5	102.0	17 3/4"	1,724	2,482,560	" " "
8;00		18.0	103.0	17 3/4"	1,724	2,482,560	" " "
8;15		17.5	104.0	17 5/8"	1,718	2,473,920	" " "
8;30		17.0	105.0	17 5/8"	1,718	2,473,920	" " "
8;45		16.0	107.0	17 5/8"	1,718	2,473,920	" " "
9;00		16.0	107.0	17 5/8"	1,718	2,473,920	" " "
9;15		16.0	107.0	17 5/8"	1,718	2,473,920	" " "
9;30		16.0	107.0	17 5/8"	1,718	2,473,920	" " "
9;45		16.0	107.0	17 1/2"	1,712	2,465,280	" " "

NOTE: Yield from 5 Artesian Wells, while new well
was delivering 1,712 G.P.M.'s showed a drop of 275 G.P.M.

Total amount of water available, operating both the new
well(2,465,280 gals) and the air lift group of 5 wells
(4,884,480 gals) is 7,349,760 gallons per day.

*Maximum daily consumption less than 3,000,000 gal-
Have used 4,000,000 +*