WELL TEST DATA REPORT

LAYNE-WESTERN

PROJECT: West Des Moines Water Works
LOCATION: West Des Moines, Iowa
WELL NO: Deep Well No. 3
WELL DIAMETER: 22" x 16" inches
WELL DEPTH: 2,488' feet - from grade
CASING POINT: 2,065' feet - from grade
STATIC LEVEL: 215.0 feet - from grade
ORIFICE SIZE: 10" x 8"

DATE TESTED: 2/18/98 - 2/19/98
TESTED BY: Roger Fontinel
DRIVER: Portable Engine
COLUMN AND SHAFT: 10" x 1-11/16"
BOWL SIZE & MAKE: 14-M-270
MANUFACTURER: American Turbine
SERIAL NUMBER:

TIME	PIEZ. READ. (IN)	FLOW RATE (GPM)	AIRLINE READING (FEET)	WATER LEVEL (FEET)	DRAW DOWN (FEET)	DISCHARGE PRESSURE (LBS.)	DISCHARGE PRESSURE (FEET)	SPEC. CAPACITY (GPM/FT)	REMARKS
1 min.		2429		302	87.0			27.9	Test Started: 8:30 a.m.
2		2429		302	87.0			27.9	**All measurements**
3		2429		302	87.0			27.9	**referenced from grade.**
4		2429		303	88.0			27.6	
5		2429		303	88.0			27.6	
6		2429		303	88.0			27.6	
7		2429		304	89.0			27.3	
8		2429		304	89.0			27.3	
9		2429		304	89.0			27.3	
10		2429		304	89.0			27.3	
15		2429		304	89.0			27.3	
20		2429		305	90.0			27.0	
25		2429		305	90.0			27.0	
30		2429		306	91.0			26.7	
35		2429		306	91.0			26.7	
40		2429		306	91.0			26.7	
45		2429		307	92.0			26.4	
1 hr.		2429		307	92.0			26.4	
1:15		2429		307	92.0			26.4	
1:30		2429		307	92.0			26.4	
2:00		2429		308	93.0			26.1	
2:30		2429		308	93.0			26.1	
3:00		2429		309	94.0			25.8	
4 hr.		2429		310	95.0			25.6	
5		2429		310	95.0			25.6	

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6		2429		310.0	95.0			25.6	**All measurements**
7		2429		310.0	95.0			25.6	**referenced from grade.**
8		2429		311.0	96.0			25.3	
9		2429		312.0	97.0			25.0	
10		2429		312.0	97.0			25.0	
11		2429		312.0	97.0			25.0	
12		2429		312.0	97.0			25.0	
13		2429		312.0	97.0			25.0	
14		2429		313.0	98.0			24.8	
15		2429		313.0	98.0			24.8	
16		2429		315.0	100.0			24.3	
17		2429		315.0	100.0			24.3	
18		2429		315.0	100.0			24.3	
19		2429		315.0	100.0			24.3	
20		2429		317.0	102.0			23.8	
21		2429		317.0	102.0			23.8	
22		2429		318.0	103.0			23.6	
23		2429		318.0	103.0			23.6	
24		2429		318.0	103.0			23.6	
25		2429		318.0	103.0			23.6	Test Stopped: 9:30 a.m.

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1 min.		0		242.0					Recovery Started at
2		0		235.0					9:30 a.m.
3		0		234.0					**All measurements**
4		0		233.0					**referenced from grade.**
5		0		232.0					
6		0		231.0					
7		0		230.0					
8		0		230.0					
9		0		230.0					
10		0		230.0					
15		0		230.0					
20		0		229.0					
25		0		229.0					
30		0		228.0					
35		0		228.0					
40		0		228.0					
45		0		228.0					
1 hr.		0		227.0					
1:15		0		226.0					
1:30		0		226.0					
2:00		0		225.0					
2:30		0		225.0					
3:00		0		224.0					
4 hr.		0		224.0					Recovery Stopped at
									1:30 p.m.