

VARNER WELL & PUMP CO.

DUBUQUE, IOWA

WELL TEST DATA SHEET

After
Acidizing

Job City Well #5Date tested January 31, 1973Location Marion, IowaTested by James TewellDia. of well 12 $\frac{1}{4}$ " bottomPump used: Driver 16V71 GMC DieselDepth of well 1660'Column and shaft 8" x 1 $\frac{1}{2}$ "Length of airline 378'Bowls 9 stage 12MANon-pumping level 258'Manufacturer PeerlessOrifice size 10" x 7"Serial No. None

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
Start of test	0	0	122'	256'	0		0			START OF TEST
8:15 AM	16	840	80	298	40					
8:30	16	840	80	298	40					
8:45	16	840	80	298	40					
9:00	16	840	80	298	40					Raise pumping rate
9:15	16	840	80	298	40					
9:30	25	1050	75	303	45					
9:45	25	1050	75	303	45					
10:00	25	1050	75	303	45					
10:15	25	1050	75	303	45					
10:30	25	1050	75	303	45					
10:45	25	1050	75	303	45					
11:00	25	1050	75	303	45					
11:15	25	1050	75	303	45					
11:30	35	1240	65	313	55					Raise pumping rate
11:45	35	1240	65	313	55					
12:00 PM	35	1240	65	313	55					
12:15	35	1240	65	313	55					
12:30	35	1240	65	313	55					
12:45	35	1240	65	313	55					
1:00	35	1240	65	313	55					
1:30	35	1240	65	313	55					
2:00	35	1240	65	313	55					
2:30	35	1240	65	313	55					
3:00	35	1240	65	313	55					
3:30	50	1500	57	321	63					Increase pump rate to 1500 GPM

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Job City Well #5

Date tested January 31, 1973 - February 1, 1973

Location Marion, Iowa

Tested by James Tewell

Dia. of well 12 1/4" bottom

Pump used: Driver 16V71 GMC Diesel

Depth of well 1660'

Column and shaft 8" x 1 1/2"

Length of airline 378'

Bowls 9 stage 12MA

Non-pumping level 258'

Manufacturer Peerless

Orifice size 10" x 7"

Serial No. None

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
	O	O			O		O			START OF TEST
4:00 PM	50	1500	51	327	69					
4:30	50	1500	51	327	69					
5:00	50	1500	51	327	69					
5:30	50	1500	51	327	69					
6:00	50	1500	51	327	69					
6:30	50	1500	51	327	69					
7:00	50	1500	51	327	69					
7:30	50	1500	51	327	69					
8:00	50	1500	51	327	69					
8:30	50	1500	51	327	69					
9:00	50	1500	51	327	69					
9:30	50	1500	51	327	69					
10:00	50	1500	51	327	69					
10:30	50	1500	51	327	69					
11:00	50	1500	51	327	69					
11:30	50	1500	51	327	69					
12:00 AM	50	1500	51	327	69					
12:30	50	1500	51	327	69					
1:00	50	1500	51	327	69					
1:30	50	1500	51	327	69					
2:00	50	1500	51	327	69					
2:30	50	1500	51	327	69					
3:00	50	1500	51	327	69					
3:30	60	1610	45	333	75					Raise pumping rate
4:00	60	1610	45	333	75					

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WELL TEST DATA SHEET

Job City Well #5

Location Marion, Iowa

Date tested February 1, 1973

Tested by James Tewell

Dia. of well 12 1/2" bottom

Pump used: Driver 16V71 GMC Diesel

Depth of well 1660'

Column and shaft 8" x 1½"

Length of airline 378'

Bowls 9 stage 12MA

Non-pumping level 258'

Manufacturer Peerless

Orifice size 10" x 7"

Serial No. None

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington
District

MARION CITY WELL #5 PUMP TEST JULY 18-19, 1974

TIME	HELD	WET	W/L	D/D	GPM							
7-18												
12:50	260.00	+2.10	262.10			ELEC. LINE						
			265.00									
13:50	260.00	+2.10	262.10			" "						
			265.00									
14:45						PUMP ON						
14:50			300.00	35.00								
14:55			300.00	35.00								
15:00			299.00	34.00								
15:15			299.00	34.00	673	63°						
15:30			299.00	34.00								
15:40						PUMP OFF						
15:45			265.00	35.00								
16:00			265.00	35.00								
						PUMP ON						
17:00			305.00	40.00		100 LBS PRES.						
18:00			305.00	40.00								
19:00			306.00	41.00								
20:00			306.00	41.00								
21:00			307.00	42.00								
22:00			307.00	42.00								
23:00			307.00	42.00								
24:00			308.00	43.00								
7-19												
1:00			308.00	43.00								
2:00			308.00	43.00								
3:00			308.00	43.00								
4:00			308.50	43.50								
5:00			309.00	44.00								
6:00			309.00	44.00								
7:00			309.00	44.00								
8:00			309.00	44.00								

ALL W/L MEAS. BY AIR LINE EXCEPT WHERE NOTED OTHERWISE
W/L MEAS. BETWEEN 17:00-7-18-74 AND 09:00-7-19-74 BY MARION WATER DEPT.

