

VARNER WELL & PUMP CO.

DUBUQUE, IOWA

WELL TEST DATA SHEET

Job Knoxville Well #3

Date tested August 31, 1976

Location Knoxville, Iowa

Tested by Varner Well & Pump Company

Dia. of well 13-3/8" x 12 1/4"

Pump used: Driver V-16 GMC Detroit Diesel

Depth of well 2,225'

Column and shaft 8" x 1 1/2"

Length of airline 399'

Bowls 9-stage--12"

Non-pumping level 185'

Manufacturer Peerless

Orifice size 10" x 8 1/2"

Serial No. N/A

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
AM	○	○			○		○			START OF TEST
2:30	5 1/4"	800	204'	195'	10'					
3:00	5 1/4"	800	203'	196'	11'					
3:30	6 1/2"	900	199'	200'	15'					Increase 900
4:00	6 1/2"	900	199'	200'	15'					
4:30	8"	1000	194'	205'	20'					Increase 1000
5:00	8"	1000	194'	205'	20'					
5:30	10"	1100	189'	210'	25'					Increase 1100
6:00	10"	1100	189'	210'	25'					
6:30	11 1/2"	1200	184'	215'	30'					Increase 1200
7:00	11 1/2"	1200	184'	215'	30'					
7:30	13 1/2"	1300	183'	216'	31'					Increase 1300
8:00	13 1/2"	1300	183'	216'	31'					
8:30	16"	1400	170'	229'	44'					Increase 1400
9:00	16"	1400	170'	229'	44'					
9:30	18 1/4"	1500	165'	234'	49'					Increase 1500
10:00	18 1/4"	1500	165'	234'	49'					
10:30	18 1/4"	1500	165'	234'	49'					
11:00	18 1/4"	1500	165'	234'	49'					
11:30	18 1/4"	1500	165'	234'	49'					
12:00	18 1/4"	1500	165'	234'	49'					
12:30	18 1/4"	1500	165'	234'	49'					
1:00	18 1/4"	1500	165'	234'	49'					
1:30	18 1/4"	1500	165'	234'	49'					
2:00	18 1/4"	1500	165'	234'	49'					
2:30	18 1/4"	1500	165'	234'	49'					

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Date tested August 31 and September 1, 1976

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Pump used: Driver V-16 GMC Detroit Diesel

Depth of well 2,225'

Column and shaft 8" x 1 1/2"

Length of airline 399'

Bowls 9-stage--12"

Non-pumping level 185'

Manufacturer Peerless

Orifice size 10" x 8 1/2"

Serial No. N/A

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
3:00	18 1/4"	1500	165'	234'	49'					
3:30	18 1/4"	1500	165'	234'	49'					
4:00	18 1/4"	1500	165'	234'	49'					
4:30	16"	1400	168'	231'	46'					Decrease 1400
5:00	16"	1400	170'	229'	44'					
5:30	13 1/2"	1300	175'	224'	39'					Decrease 1300
6:00	13 1/2"	1300	175'	224'	39'					
6:30	11 1/2"	1200	180'	219'	34'					Decrease 1200
7:00	11 1/2"	1200	180'	219'	34'					
7:30	10"	1100	184'	215'	30'					Decrease 1100
8:00	10"	1100	184'	215'	30'					
8:30	8"	1000	189'	210'	25'					Decrease 1000
9:00	8"	1000	189'	210'	25'					
9:30	6 1/2"	900	194'	205'	20'					Decrease 900
10:00	6 1/2"	900	195'	204'	19'					
10:30	5 1/4"	800	200'	199'	14'					Decrease 800
11:00	5 1/4"	800	200'	199'	14'					
11:30	21 1/2"	1650	159'	240'	55'					
12:00	24 1/2"	1750	155'	244'	59'					
12:30PM	24 1/2"	1750	155'	244'	59'					Start Recover
12:32	Well Recovery		210'	189'						
12:35			210'	189'						
1:00			210'	189'						
1:30			210'	189'						
2:00			210'	189'						