PUMPING TEST

By LTP Enterprises, Inc. Well Drilling

Box 9035 • Fargo, ND 58106 • Phone (701) 232-8928

Owner Orange City, Iowa

Well No. 14"

Location

Date started 9-1-93

Static 135' from G.L.

Time	Time in Minutes	Pumping Level	Drawdown	GPM		Time	Time in Minutes	Pumping Level	Drawdown	GPM	
10:00am	0			650		6:00pm	480	212.45	77.45	650	
10:01	1	183.3	48.3	"		7:00	540	212.85	77.85	"	
10:02	2	189.6	54.6	"		8:00	600	213.14	78.14	"	
10:03	3	193.7	58.7	"		9:00	660	213.45	78.45	"	
10:04	4	195.8	60.8	"		10:00	720	213.7	78.7	"	
10:05	5	197.2	62.2	"		11:00	780	213.9	78.9	"	
10:06	6	197.8	62.8	"		12:00	840	213.95	78.95	"	
10:07	7	198.7	63.7	"		1:00	900	214	79	"	
10:08	8	199.3	64.3	"		2:00	960	214.15	79.15	"	
10:09	9	199.9	64.9	"		3:00	1020	214.22	79.22	"	
10:10	10	200.3	65.3	"		4:00	1080	214.4	79.4	"	
10:15	15	201.7	66.7	adj		5:00	1140	214.44	79.4	"	
10:20	20	204.0	69.0	650		6:00	1200	214.45	79.45	"	
10:25	25	204.4	69.4	"		7:00	1260	214.55	79.55	"	
10:30	30	204.8	69.8	"		8:00	1320	214.75	79.75	"	
10:35	35	205.2	70.2	"		9:00	1380	214.75	79.75	"	
10:40	40	205.4	70.4	"		10:00	1440	214.85	79.85	"	
10:45	45	205.8	70.8	"		11:00	1500	214.85	79.85	"	
11:00	60	207.5	72.5	"		12:00	1560	214.78	79.78	"	
11:15	75	207.9	72.9	"		12:45	1605	214.8	79.80	"	
11:30	90	208.2	73.2	"							
11:45	105	208.5	73.5	"		Specific Yield 8.14 gpm per ft. of D.D.					
12:00pm	120	208.6	73.6	"							
12:15	135	208.8	73.8	"		Est. Pumping levels for					
12:30	150	208.9	73.9	"		525 gpm 64.5 ft D.D. 199.5' Pumping Level					
1:00	180	209.3	74.3	"		825 gpm 101.4 ft. D.D. 236.4' Pumping Level					
1:30	210	209.6	74.6	"							
2:00	240	209.8	74.8	"		Theses levels will be affected by the					
2:30	270	209.9	74.9	"		pumping of the 8" well and should be considered					
3:00	300	210.1	75.1	"							
3:30	330	210.3	75.3	"							
4:00	360	210.6	75.6	adj							
5:00	420	212.1	77.1	650							

FORM # 15

RECOVERY

~~PUMPING~~ TEST

By

LTP Enterprises, Inc.
Well Drilling

Box 9035 • Fargo, ND 58106 • Phone (701) 232-8928

Owner Orange City, Iowa

Well No. 14"

Location

Date started 9-2-93

Static 135

1490
165
1605 min

Time	Time in Minutes	Pumping Level	Drawdown	GPM		Time	Time in Minutes	Pumping Level	Drawdown	GPM	
12:45pm	1605 0	214.8	79.8	0							
12:46	1	163.2	28.2								
12:47	2	158.6	23.6								
12:48	3	156.7	21.7	RECOVERY							
12:49	4	154.9	19.9								
12:50	5	153.9	18.9								
12:51	6	152.6	17.6								
12:52	7	150	15								
12:53	8	149.5	14.5								
12:54	9	148.8	13.8								
12:55	10	148.45	13.45								
1:00	15	146.38	11.38								
1:05	20	145.25	10.25								
1:10	25	145.68	10.68								
1:15	30	145.07	10.07								
1:20	35	144.6	9.6								
1:25	40	144.12	9.12								
1:30	45	143.85	8.85								
1:45	60	142.4	7.4								
2:00	75	142.5	7.5								
2:15	90	142.08	7.08								
2:30	105	141.80	6.80								
2:45	120	141.50	6.50								
3:00	135	141.20	6.20								
3:15	150	141.00	6.00								
3:45	180	140.6	5.60								
4:45	240	140.2	5.20								

FORM #15