Sargent Drilling

INDUSTRIAL ENGINEERING

COMPLETE MUNICIPAL AND INDUSTRIAL
WELL AND PUMP SERVICE

PO Box 367
846 South 13th St.
Geneva, NE 68361-0367

Phone: (402) 759-3902
Fax: (402) 759-4960
1-888-496-3902

24-HOUR CONSTANT RATE TEST LOG

CUSTOMER: Storm Lake, IA		
WELL ID: New well	WELL TYPE:	
TEST START DATE: 7-3-07	TEST END DATE: 7-4-07	
READINGS TAKEN BY: Doug Miller		
STATIC WATER LEVELS: PRODUCTION WELL: 12'	TEST WELL:	OBSERVATION WELL:
ACTUAL START TIME (am/pm): 9:30am		
REFERENCE POINT:	DISTANCE FROM REFERENCE POINT TO GROUND:	

Time After Start	Actual Time (am/pm)	Production Well		Test Well Water Level (ft. in.)	Observation Well Water Level (ft. in.)
		Pumping Water Level (ft. in.)	Pump Rate (gpm)		
0 min	9:30 am				
1 min	9:31 am	19' 10"	584		
2 min	9:32 am	20'	597		
min	9:33 am	20' 6"	610		
4 min	9:34 am	20' 10"	610		
5 min	9:35 am	20' 10"	610		
6 min	9:36 am	21'	610		
7 min	9:37 am	21' 1"	610		
8 min	9:38 am	21' 2"	610		
9 min	9:39 am	21' 3"	603		
10 min	9:40 am	21' 5"	603		
11 min	9:41 am	21' 6"	603		
12 min	9:42 am	21' 7"	603		
13 min	9:43 am	21' 8"	603		
14 min	9:44 am	21' 10"	603		
15 min	9:45 am	21' 10"	603		
18 min	9:48 am	22'	603		
21 min	9:51 am	22' 1"	603		
24 min	9:54 am	22' 2"	603		
27 min	9:57 am	22' 4"	603		
30 min	10:00 am	22' 6"	603		
35 min	10:05 am	22' 9"	603		
40 min	10:10 am	22' 11"	603		

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Time After Start	Actual Time (am/pm)	Production Well		Test Well Water Level (ft. in.)	Observation Well Water Level (ft. in.)
		Pumping Water Level (ft. in.)	Pump Rate (gpm)		
45 min	10:15 am	23'	603		
50 min	10:20 am	23' 1"	603		
55 min	10:25 am	23' 2"	603		
hr	10:30 am	23' 4"	603		
1 hr 10 min	10:40 am	23' 6"	603		
1 hr 20 min	10:50 am	23' 8"	603		
1 hr 30 min	11:00 am	23' 9"	603		
1 hr 40 min	11:10 am	23' 10"	603		
1 hr 50 min	11:20 am	23' 11"	603		
2 hr	11:30 am	24'	603		
2 hr 10 min	11:40 am	24' 1"	603		
2 hr 20 min	11:50 am	24' 2"	603		
2 hr 30 min	12:00 pm	24' 3"	603		
2 hr 40 min	12:10 pm	24' 5"	603		
2 hr 50 min	12:20 pm	24' 7"	603		
3 hr	12:30 pm	24' 10"	603		
4 hr	1:30 pm	25'	603		
5 hr	2:30 pm	25' 2"	603		
6 hr	3:30 pm	25' 4"	603		
7 hr	4:30 pm	25' 6"	603		
hr	5:30 pm	25' 8"	603		
hr	6:30 pm	25' 10"	603		
10 hr	7:30 pm	26'	603		

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REFERENCE POINT:	DISTANCE FROM REFERENCE POINT TO GROUND:	

Time After Start	Actual Time (am/pm)	Production Well		Test Well Water Level (ft. in.)	Observation Well Water Level (ft. in.)
		Pumping Water Level (ft. in.)	Pump Rate (gpm)		
11 hr	8:30 pm	26' 1"	603		
12 hr	9:30 pm	26' 2"	603		
13 hr	10:30 pm	26' 3"	603		
14 hr	11:30 pm	26' 4"	603		
15 hr	12:30 am	26' 5"	603		
16 hr	1:30 am	26' 6"	603		
17 hr	2:30 am	26' 7"	603		
18 hr	3:30 am	26' 8"	603		
19 hr	4:30 am	26' 9"	603		
20 hr	5:30 am	26' 10"	603		
21 hr	6:30am	26' 11"	603		
22 hr	7:30 am	27'	603		
23 hr	8:30 am	27' 1"	603		
24 hr	9:30 am	27' 2"	603		

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24-HOUR CONSTANT RATE RECOVERY LOG

CUSTOMER: Storm Lake, IA		
WELL ID: New well	WELL TYPE:	
TEST START DATE: 7-4-07	TEST END DATE: 7-5-07	
READINGS TAKEN BY: Doug Miller		
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ACTUAL START TIME (am/pm): 9:30 am		
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Time After Start	Actual Time (am/pm)	Production Well		Test Well Water Level (ft. in.)	Observation Well Water Level (ft. in.)
		Pumping Water Level (ft. in.)	Pump Rate (gpm)		
0 min	9:30 am				
1 min	9:31 am	19' 5"			
2 min	9:32 am	19'			
in	9:33 am	18' 10"			
4 min	9:34 am	18' 7"			
5 min	9:35 am	18' 4"			
6 min	9:36 am	18' 3"			
7 min	9:37 am	18' 1"			
8 min	9:38 am	18'			
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50 min	10:20 am	16' 3"			
55 min	10:25 am	16' 1"			
	10:30 am	16'			
1 hr 10 min	10:40 am	16'			
1 hr 20 min	10:50 am	15' 11"			
1 hr 30 min	11:00 am	15' 10"			
1hr 40 min	11:10 am	15' 9"			
1 hr 50 min	11:20 am	15' 9"			
2 hr	11:30 am	15' 8"			
2 hr 10 min	11:40 am	15' 7"			
2 hr 20 min	11:50 am	15' 6"			
2 hr 30 min	12:00 pm	15' 5"			
2 hr 40 min	12:10 pm	15' 5"			
2 hr 50 min	12:20 pm	15' 4"			
3 hr	12:30 pm	15' 3"			
4 hr	1:30 pm	14' 11"			
5 hr	2:30 pm	14' 8"			
6 hr	3:30 pm	14' 4"			
7 hr	4:30 pm	14'			
	5:30 pm	13' 10"			
9 hr	6:30 pm	13' 8"			
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19 hr	4:30 am	12' 7"			
20 hr	5:30 am	12' 7"			
21 hr	6:30 am	12' 6"			
22 hr	7:30 am	12' 6"			
23 hr	8:30 am	12' 6"			
24 hr	9:30 am	12' 6"			