



CAHOY PUMP SERVICE

(833-728-1288)

SUMNER, IA
Corporate Office

MARNE, IA

Durand, IL

Lincoln, IL

Cahoy High Plains, WY

WELL TEST DATA SHEET

CLIENT: OCRW

WELL: R-1 NW Monitor Well

DATE:

TESTED BY: Steve

PUMP MODEL: Flowise

AIRLINE LENGTH: Meter

WELL DIAMETER: 12"

ORIFICE SIZE: NA

DEPTH OF WELL:

MOTOR: 25 HP Franklin

STATIC WATER LEVEL: 11'2"

GENERATOR USED: No Yes Gen 1/Gen 2

BEGIN HOURS: END HOURS:

STEP-RATE TEST

CONSTANT RATE TEST

PRE-TREATMENT

POST-TREATMENT

MEASUREMENT TAKEN FROM THE TOP OF THE WELL CASING WHICH IS FEET FROM EXISTING GROUND/FLOOR LEVEL.

TIME	Piezometer READING (ft.)	GPM	Air Gauge	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	Sand PPM
9:45				11'2"	0				
9:46				11'2"	0				
9:47				11'2 1/4"	1/4				
9:48				11'2 1/4"	1/4				
9:49				11'2 1/8"	1/8				
9:50				11'2 1/4"	1/8				
9:51				11'2 1/4"	1/4				
9:52				11'2 1/4"	1/4				
9:53				11'2 3/8"	1/4				
9:54				11'2 3/8"	3/8				
9:55				11'2 3/8"	3/8				
9:57				11'2 1/2"	1/2				
9:59				11'3 1/4"	1 1/4"				
10:01				11'3 1/8"	1 1/8"				
10:03				11'2 7/8"	1 7/8"				
10:05				11'3 1/2"	1 1/2"				
10:07				11'4"	2"				
10:09				11'4 1/2"	2 1/2"				
10:10				11'4 1/2"	2 1/2"				
10:15				11'5"	3"				
10:20				11'5 1/2"	3 1/2"				
10:25				11'5 3/4"	3 3/4"				
10:30				11'6 1/2"	4 1/2"				
10:35				11' 7"	5"				
10:40				11'8 1/4"	6 1/4"				
10:45				11' 9 1/4"	7 1/4"				
10:50				11' 9 1/2"	7 1/2"				
10:55				11'9 1/4"	7 1/4"				
11:00				11' 10"	8"				
11:10				11'10	8"				
11:20				11'10 1/2"	8 1/2"				
11:30				11' 10"	8"				
11:40				11'10 1/8"	8 1/8"				
11:50				11' 10 1/4"	8 1/4"				
12:00				11'10 1/4"	8 1/4"				

TIME	Piezometer READING (ft.)	GPM	Air Gauge	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	Sand PPM
12:10				11'10 3/8"	8 3/8"				
12:20				11'10 3/8"	8 3/8"				
12:30				11'10 3/8"	8 3/8"				
12:40				11'10 1/4"	8 1/4"				
12:50				11'10 1/4"	8 1/4"				
1:00				11'10 1/2"	8 1/2"				
1:20				11'10 1/2"	8 1/2"				
1:40				11'10 1/2"	8 1/2"				
2:00				11'10 1/4"	8 1/4"				
2:20				11'10 1/4"	8 1/4"				
2:40				11'10 1/4"	8 1/4"				
3:00				11'10"	8"				
4:30				11' 10"	8"				
8:30				11'9 1/2"	7 1/2"				
12:30				11'9 1/4"	7 1/4"				
4:30				11'9"	7				
8:30				11'8 1/2"	6 1/2"				
12:30				11'8 1/4"	6 1/4"				
4:30				11'7 3/4"	5 3/4"				
8:30				11'7 3/8"	5 3/8"				
12:30				11'7"	5"				
4:30				11'6 1/2"	4 1/2"				
8:30				11'6 1/2"	4 1/2"				
12:30				11'6 1/2"	4 1/2"				
12:45				11'6 1/2"	4 1/2"				
						Recovery			
12:45				11'6 1/2"	4 1/2"				
12:50				11'3 1/4"	1 1/4"				
12:55				11'3 1/8"	1 1/8"				
1:00				11'2 3/4"	3/4"				
1:05				11'2 1/2"	1/2"				
1:10				11'2 1/4"	1/4"				



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STEP-RATE TEST

CONSTANT RATE TEST

PRE-TREATMENT

POST-TREATMENT

MEASUREMENT TAKEN FROM THE TOP OF THE WELL CASING WHICH IS 2 FEET FROM EXISTING GROUND/FLOOR LEVEL.

TIME	Piezometer READING (ft.)	GPM	Air Gauge	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	Sand PPM
9:45		425		21'9"	11'5"	44/	123	36.9	
9:46		425		21'11 ¼"	11'7 ¼"	44/	123	36.9	
9:47		425		22' ½"	11'8 ½"	44/	123	35.7	
9:48		425		22'6 ½"	12'2 ½"	44/	124	35.7	
9:49		425		22'9 ½"	12'5 ½"	44/	124	35.2	
9:50		425		23'3 ¼"	12'10 ¼"	44/	124	35.2	
9:51		425		23'8 ¾"	13'4 ¾"	44/	125	32.1	
9:52		425		23'9"	13'5"	44/	125	32.1	
9:53		425		23'9"	13'5'	44/	125	32.1	
9:54		425		23'9 ¼"	13' 5 ¼"	44/	125	32.1	
9:55		425		23'9 ½"	13' 5 ½"	44/	125	32.1	
9:57		425		23'10"	13'6"	44/	125	31.4	
9:59		425		23'10 ¾"	13'6 ¾"	44/	125	31.4	
10:01		425		24'1 ½"	13'9 ½"	44/	125	30.5	
10:03		425		24'3 ¾"	13'11 ¾"	44/	125	30.5	
10:05		425		24'8 ¾"	14'4 ¾"	44/	126	29.9	
10:07		425		24'9"	14'5"	44/	126	29.9	
10:09		425		24'11 ½"	14'7 ½"	44/	126	29.3	
10:10		425		25' ½"	14'8 ½"	44/	126	29.3	
10:15		425		25' ¾"	14'8 ¾"	44/	126	29.3	
10:20		425		25' 1 ¼"	14'9 ¼"	44/	126	28.7	
10:25		425		25'2"	14'10"	44/	126	28.7	
10:30		425		25'2 ¼"	14'10 ¼"	44/	126	28.5	
10:35		425		25'2 ½"	14'10 ½"	44/	126	28.5	
10:40		425		25'2 ¾"	14'10 ¾"	44/	126	28.5	
10:45		425		25'3"	14'11"	44/	126	28.5	
10:50		425		25'3 ¼"	14'11 ¾"	44/	126	28.3	
10:55		425		25'4 ½"	15' ½"	44/	126	28.3	
11:00		425		25'4 ½"	15' ½"	44/	126	28.3	
11:10		425		25'5 ½"	15' 1 ½"	44/	126	28.3	
11:20		425		25'6 ¼"	15'2 ¼"	44/	127	28.1	
11:30		425		25'6 ¾"	15'2 ¾"	44/	127	28.1	
11:40		425		25'7 ¼"	15'3 ¼"	44/	127	28.1	
11:50		425		25'8"	15'4 ½"	44/	127	27.7	

TIME	Piezometer READING (ft.)	GPM	Air Gauge	Pumping Level (ft.)	Draw Down (ft.)	Discharge PSI FEET	TDH	Spec Cap	Sand PPM
12:00		425		25'8 ½"	15'4 ½"	44/	127	27.7	
12:10		425		25'8 ¾"	15'4 ¾"	44/	127	27.7	
12:20		425		25'8 ¾"	15'4 ¾"	44/	128	27.7	
12:30		425		25'9"	15'5"	44/ 104	127	27.4	
12:40		425		25'9"	15'5"	44/101	127	27.4	
12:50		425		25'9"	15'5"	44/101	127	27.4	
1:00		425		25'9 ¼"	15'5 ¼"	44/101	127	27.4	
1:20		425		25'9 ¾"	15'5 ¾"				
1:40		425		25'10 ¼"	15'6 ¼"				
2:00		425		25'10 ¾"	15'6 ¾"				
2:20		425		25'11 ¼"	15'7 ¼"				
2:40		425		26'	15' 8"				
3:00		425		26' ¾"	15'8 ¾"				
4:30		425		26'2 ¼"	15'10 ¼"				
8:30		425		26'6 ½"	16'2 ½"	43/ 99	126	26.2	
12:30		425		26' 10 ½"	16'6 ½"	43/ 99	126	25.7	
4:30		425		27' 3"	16' 11"	43/ 99	126	25.1	
8:30		425		27'7 ½"	17'3 ½"	43/ 99	126	24.8	
12:30		425		27' 10"	17' 6"	43/ 99	126	24.2	
4:30		425		27'11 ½"	17'7 ½"	43/ 99	126	24.2	
8:30		425		28'1"	17' 9"	43/ 99	126	24.1	
12:30		425		28'2 ½"	17'10 ½"	43/ 99	126	23.7	
4:30		425		28'4"	18'	43/ 99	126	23.6	
8:30		425		28'6 ½"	18'2 ½"	43/ 99	126	23.4	
12:30		425		28'7 ½"	18'3 ½"	43/ 99	126	23.3	
12:45		425		28'7 ½"	18'3 ½"	43/ 99	126	23.3	
						Recovery			
12:45		425		11' 4"					
12:50		425		11'3 ½"					
12:55		425		11'2 ¾"					
1:00		425		11' ½"					
1:05		425		10' 8"					
1:10		425		10' 7"					

