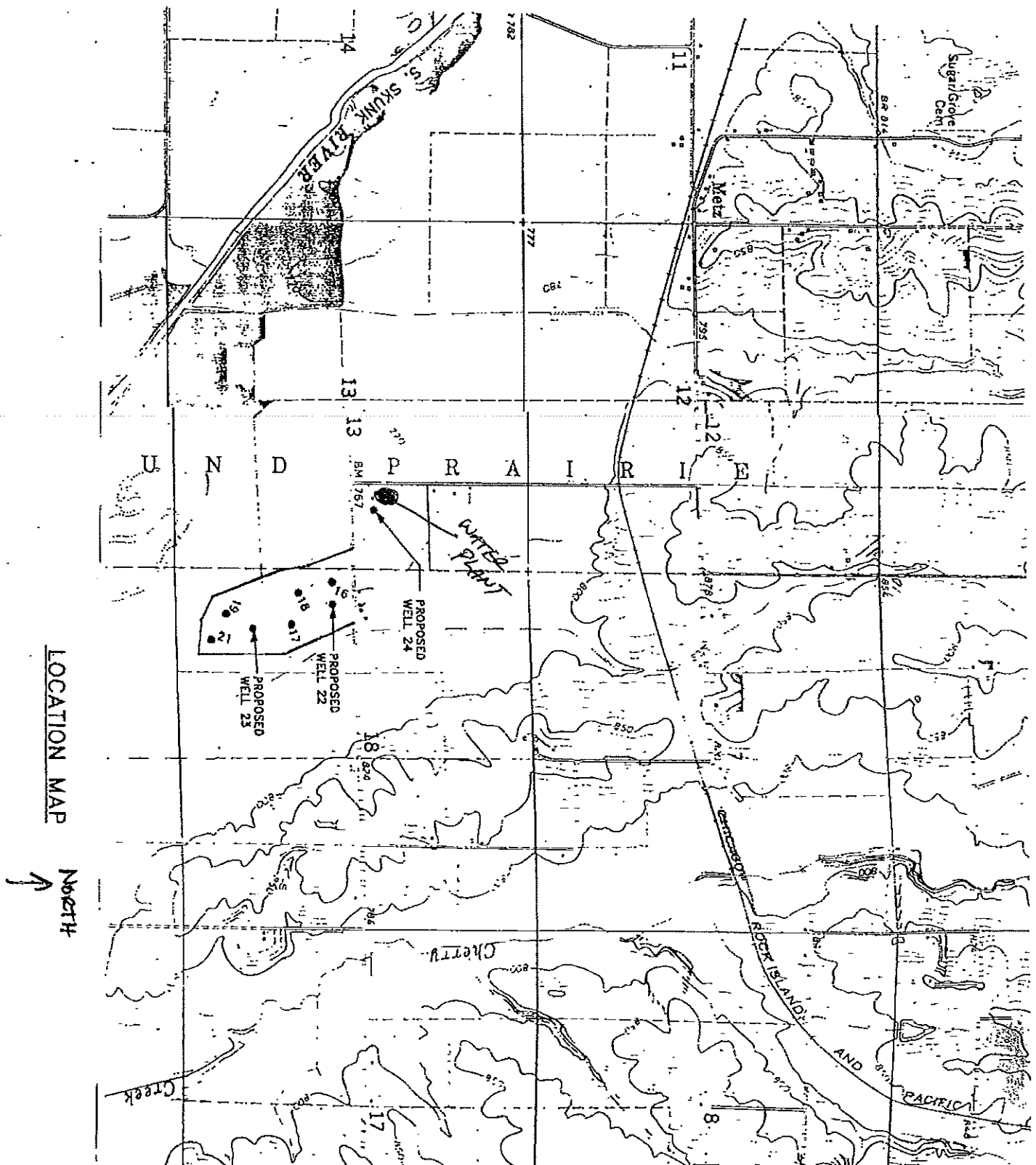
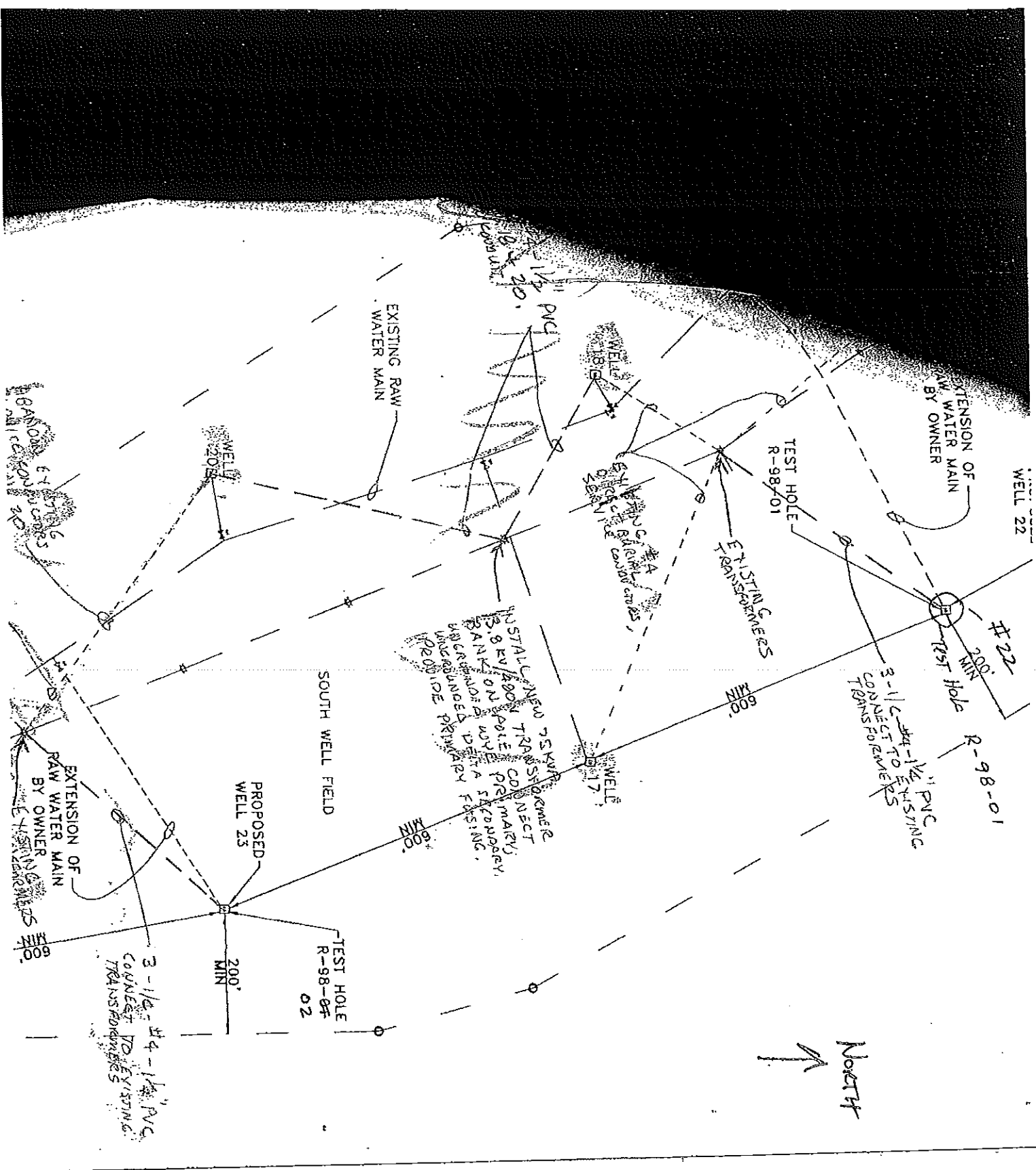


DRAWING FILENAME		
3334-98A\400\SITE.dwg		
PLOT SCALE	SCRIPT FILE	PLOT VIEW
1=200		

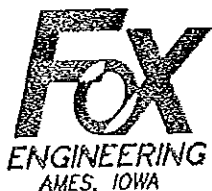




DETAIL

23

WORKS



FOX Engineering Associates, Inc.

1531 Airport Road
Ames, Iowa 50010
Phone: 515 233-0000
FAX: 515 233-0103

PROJECT NO.

3334-98A.400



1531 Airport Road, Ames, Iowa 50010
515-233-0000, FAX: 515-233-0103
1-800-433-3469

Computed by _____ Date _____
Checked by _____ Date _____

Subject Newton Well Field

JGH -

I am in need of the following data
specific to the Newton Well Field:

- 1) Elevation top of Pitless - 2 wells sites
- 2) Elevation of Existing Grounds - 2 well sites
- 3) Elevations of Finished grades - 2 well sites

① #22 Top Pitless 779⁰ TDW
 Ground (EX) 775⁹⁴
 Top Berm 777⁵

#23 Top Pitless 777⁰
 Ground (EX) 765⁸⁰
 Top Berm 775⁵

ORTHWAY WELL AND PUMP CO.
4801 Blk Avenue Marlon, Iowa 525
319-377-6339 1-800-747-6339

WELL #22

TEST HOLE REPORT

Contract Name Water Works

Job No. NWW-22398 Date February 23, 1998

City **Newton** State **Iowa**

TEST HOLE

NO. R-98-01

Dittler M. Anderson

Test Hole

Location South of city in new well field.

Distance and Direction from Permanent Landmark or Previous Test Hole

'TEST LOG

[illegible]

NOTES: Size of Pit

X

X

DEEP



ENGINEERING

1531 Airport Road, Ames, Iowa 50010

515-233-0000, FAX: 515-233-0103

1-800-433-3469

Computed by

Rmf

Date

6/26/98

Subject

WELL 22

Checked by

Date

10.8
12.
21.5
15.
59.3

Layne's measurement

59.27' - 24"

Steel casing
and screen

(30 9.27' Shickup)

hit shale @ 50.5 - 51'

bottom hole @ 52

Set bottom screen 50'

Northern Gravel - 26'

Bentonite - 24'

Grout Cyls to probably

no way to tell

Dennis

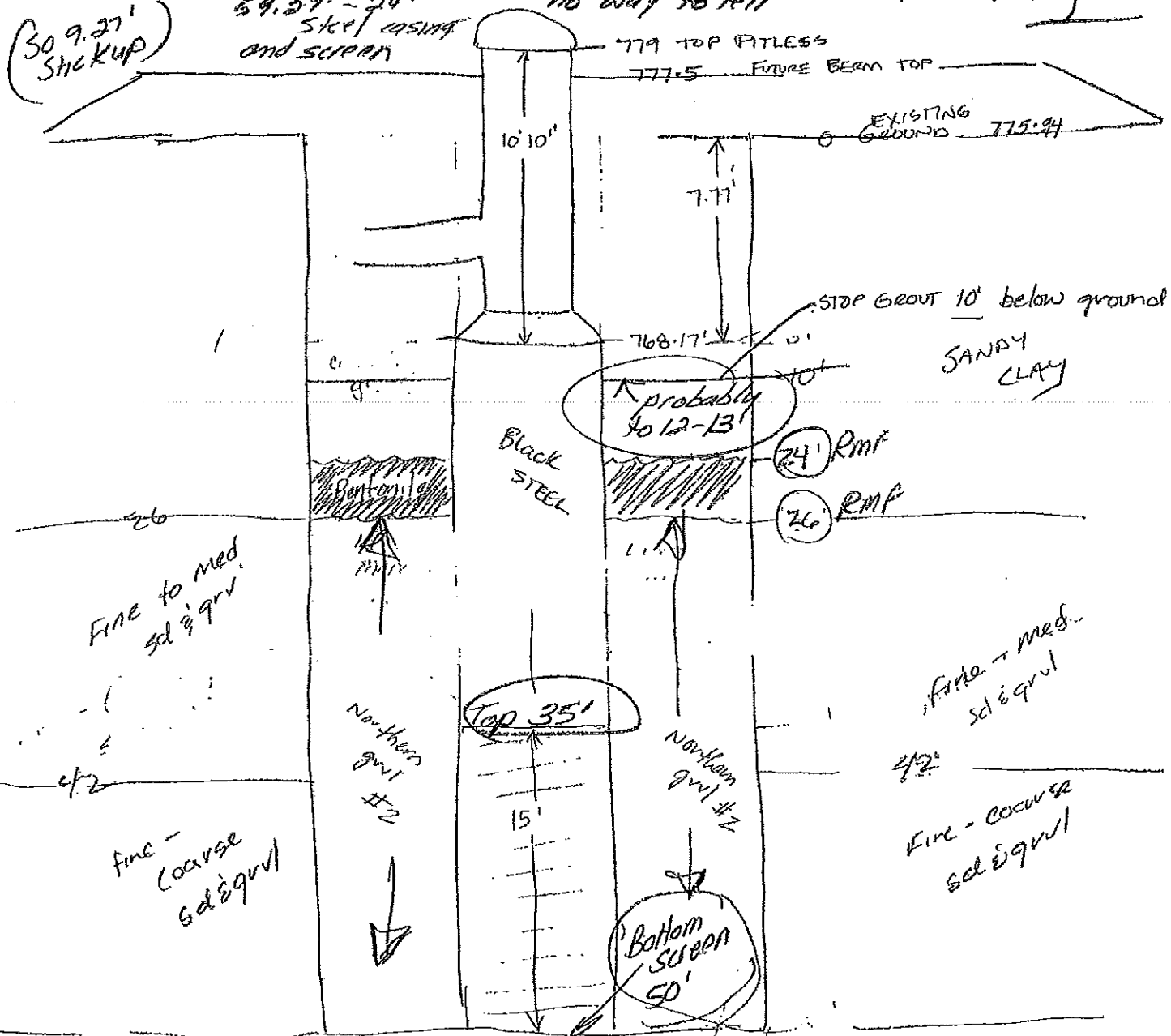
Layne said

there was

no clay -

his log

12 13



01/01/1994 08:08 5157534861

L-W MARSHALL TO

PAGE 02

WELL TEST DATA REPORT**LAYNE-WESTERN**

PROJECT: Newton Water Works
 LOCATION: S.E. of water treatment plant
 WELL NO: Well No. 22
 WELL DIAMETER: 23 inches I.D.
 WELL DEPTH: 50.0 feet - from grade
 TOP OF SCREEN: 35.0 feet - from grade
 STATIC LEVEL: 29.5 feet - from top of casing
 ORIFICE SIZE: 6" x 5"

DATE TESTED: 7/7/98
 TESTED BY: Pat Breinig
 DRIVER: 25 HP submersible motor
 COLUMN AND SHAFT: 6" drop pipe
 BOWL SIZE & MAKE:
 MANUFACTURER: Crown
 SERIAL NUMBER:

TIME	PRES. READ. (IN)	FLOW RATE (GPM)	AIRLINE READING (FEET)	WATER LEVEL (FEET)	DRAW DOWN (FEET)	DISCHARGE PRESSURE (LBS.) (FEET)		SPEC. CAPACITY (GPM/FT)	REMARKS
1 min.	23.3	600		36.4	6.9			87.0	
2	23.3	600		37.8	8.3			72.3	
3	23.3	600		38.3	8.8			68.2	
4	23.3	600		38.5	9.0			66.7	
5	23.3	600		38.6	9.1			65.9	
6	23.3	600		38.7	9.2			65.2	
7	23.3	600		38.8	9.3			64.5	
8	23.3	600		38.8	9.3			64.5	
9	23.3	600		38.9	9.4			63.8	
10	23.3	600		39.0	9.5			63.2	
15	23.3	600		39.2	9.7			61.9	
20	23.3	600		39.4	9.9			60.6	
25	23.3	600		39.5	10.0			60.0	
30	23.3	600		39.7	10.2			58.8	
40	23.3	600		39.9	10.4			57.7	
50	23.3	600		40.1	10.6			56.6	
1 hour	23.3	600		39.9	10.4			57.7	
1.5	23.3	600		39.8	10.3			58.3	
2	23.3	600		39.9	10.4			57.7	
2.5	23.3	600		39.3	9.8			61.2	
3	23.3	600		39.3	9.8			61.2	
4	23.3	600		39.5	10.0			60.0	
5	23.3	600		39.5	10.0			60.0	
6	23.3	600		39.5	10.0			60.0	

