

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 31 2012

DEPARTMENT OF
WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-31183

1. Owner Micron Technology, Inc. Phone No. 208-368-4358
Current address P.O. Box 6, Boise, ID 83707-0006
2. Examiner's name Terry M. Scanlan, P.E., P.G., CWRE No. 12-129 EXAM DATE August 20, 2008
3. Accompanied by John Chapman Email johnchapman@micron.com
Address Micron Technology, Inc., P.O. Box 6, Boise, ID 83707-0006
Relationship to permit holder Employee Phone No. 208-368-4358
4. Source Ground Water tributary to _____

B. OVERLAP REVIEW

United Water Idaho, Nampa & Meridian Irrigation District

1. Other water rights with the same place of use 63-8992, 63-9029, 63-9357, 63-10208, 63-11293, 63-12420
2. Other water rights with the same source and point of diversion 63-8992, 63-9029, 63-9357, 63-10208, 63-11293

C. DIVERSION AND DELIVERY SYSTEM**1. Point(s) of Diversion:**

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SE	SW	6	2N	3E	Ada	Field Exam, Topo Map, GIS – Well 6
			SW	NE	7	2N	3E	Ada	Field Exam, Topo Map, GIS – Well 5
	2		SW	NW	7	2N	3E	Ada	Field Exam, Topo Map, GIS – Well 3
			NE	SW	7	2N	3E	Ada	Field Exam, Topo Map, GIS – Well 4

2. Place(s) of Use: Method of determination Field Exam, Aerial Photo, GIS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	3E	6											Lot 7						
2N	3E	6											I	I			I		
2N	3E	6									0.3	0.4	3.4	3.6			2.6		10.3
2N	3E	7		I	I		I	I		I	I					I			
2N	3E	7		8.1	2.5		2.7	4.0		6.7	2.4			0.8		1.2	1.1		29.5

I = industrial

Total 39.8

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

See Attached Sheet

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

See Attached Sheet

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** _____

Flow measurements are logged on the Micron SCADA system (supervisory control and data acquisition system).

Flows are logged continuously, and can be accessed in real time.

E. NARRATIVE/REMARKS/COMMENTS

See Attached Sheet

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

[illegible]

F. FLOW CALCULATIONS☒ Additional computation sheets attachedMeasured Method: **Flow Meters**

During the August 20, 2008 field examination, the combined diversion rate from the four points of diversion averaged over a one-hour test period (13:50 to 14:50) was 4007 gpm (8.93 cfs), with Well 3 producing 515 gpm, Well 4 producing 1235 gpm, Well 5 producing 1074 gpm, and Well 6 producing 1,183 gpm. Instantaneous combined maximum flow during the hour test period was 4,099 gpm (9.13 cfs). All four pumps have variable frequency drives, and actual pump capacities are slightly higher than measured because pumps were not operated at full speed.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 39.8 \times 4.5 = 179.1 \text{ af}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.80 \times 1.9835 \times 260 = 412.6 \text{ af}$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = 179.1 \text{ af}$$

2. Volume Calculations for Other Uses:

Industrial

$$9.13 \text{ cfs} \times 365 \text{ days} \times 1.9835 \text{ cfs/day} = 6,609.9 \text{ af}$$

$$\text{Maximum ground water diversion volume during permit development period} = 3,205 \text{ af}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Industrial	1/1	12/31	9.13	3,205.0
Irrigation	3/1	11/15	0.80	179.1
Totals:			9.13	3,205.0

2. Recommended Amendments

- ☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☒ None
☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATION

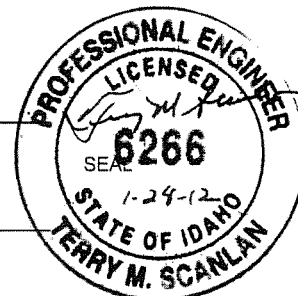
Field Examiner's Signature



Date January 28, 2012

Reviewer _____

Date _____



ATTACHMENTS

Attachment A	Part C.4 - Diversion And Delivery System, Part D.1 - Flow Measurements, and Part E - Narrative/Remarks/Comments
Attachment B	Map and Aerial Photo
Attachment C	Examination Photos
Attachment D	Well Drillers Reports
Attachment E	Flow Meter Data

ATTACHMENT A

C. DIVERSION AND DELIVERY SYSTEM

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well No. 3	Byron Jackson	200	Submersible 12-5844-4-1	Byron Jackson	12MQL, submersible 9-stage, 1000 gpm
Well No. 4	US Motors	300	698228 Y10Y2280824R-1	Byron Jackson	12MQSH, line-shaft turbine 14-stage, 1340 gpm
Well No. 5	Byron Jackson	200	Submersible Model 14M	Byron Jackson	12MQ, submersible 9-stage 1100 gpm
Well No. 6	US Motors	300	698228 Z02Y3190275R-1	Byron Jackson	12MQSH, line-shaft turbine 1340 gpm

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Well 3 flow meter	ultrasonic	Polysonics	DCT-1088	46554	NA	
Well 4 flow meter	ultrasonic	Polysonics	DCT-1088	B06CA016	NA	
Well 5 flow meter	ultrasonic	Polysonics	DCT-1088	47679	NA	
Well 6 flow meter	ultrasonic	Emco Sono-Trak	ST30	1570317-S001	NA	

E. NARRATIVE/REMARKS/COMMENTS

Ground water is diverted from four wells at Micron Technology (using decreed water rights 63-8992, 63-9029, 63-9357, 63-10208, and 63-11293 and permit 63-31183) and used for manufacturing of semiconductor products and irrigation. Other sources of water for industrial and irrigation uses at Micron Technology include Boise River (diverted using Nampa & Meridian Irrigation District water rights, Bureau of Reclamation storage water, and permit 63-12420), and reclaimed industrial wastewater. Boise River water is also treated and injected through Micron Well 5 for ground water recharge. United Water Idaho provides water for domestic purposes to the plant through a separate potable water system.

Permit 63-31183 authorizes diversion of up to 10 cfs from groundwater (four Micron wells) for irrigation (2 cfs) and industrial (10 cfs) purposes. The water right is authorized for out-of-priority diversion based on volumes stored in the aquifer as the result of direct groundwater recharge as described by the following permit conditions.

Permit Condition No. 8 - The entire volume of water injected (100%) can be re-diverted from the aquifer under this permit during the calendar year it is injected. Water not diverted during the year it is injected can be carried over as recharge credits for future withdrawal and beneficial use. The volume authorized for withdrawal by the recharge credits will be reduced by 10% each calendar year following the first calendar year the water is injected.

Permit Condition No. 12 - In the event of water right curtailments in the Southeast Boise Groundwater Management Area, out-of-priority diversions may be allowed under this permit to the extent that (1) the diversions under this permit are mitigated by groundwater recharge activities, and (2) diversions under this permit do not injure senior water rights through direct well interference.

Permit 63-31183 has been developed for the purpose of recovering injected water as described in the permit conditions listed above. As a result, diversions under this permit are fully mitigated. In the event of curtailment of water rights within the Southeast Boise Ground Water Management Area, the water right can be delivered to the extent allowable based on stored volumes of recharged water.

Diversion and beneficial use under Micron groundwater rights during the 2002 through 2010 period is detailed below. Maximum annual ground water diversion volume from the authorized points of diversion for industrial and irrigation purposes during the permit development period has been 3,204 acre feet in 2007. Total amount of water beneficially used for industrial purposes at the Micron campus from groundwater and reclaimed wastewater sources was more than 7,750 acre feet in 2007, and included groundwater (3,205 af) and reclaimed wastewater (4,545 af). Not included in this total is approximately 469 acre feet of Boise River water that was diverted in 2007 for industrial and irrigation purposes on the Micron campus.

DIVERSION AND BENEFICIAL USE UNDER MICRON WATER RIGHTS
(all values in acre feet)

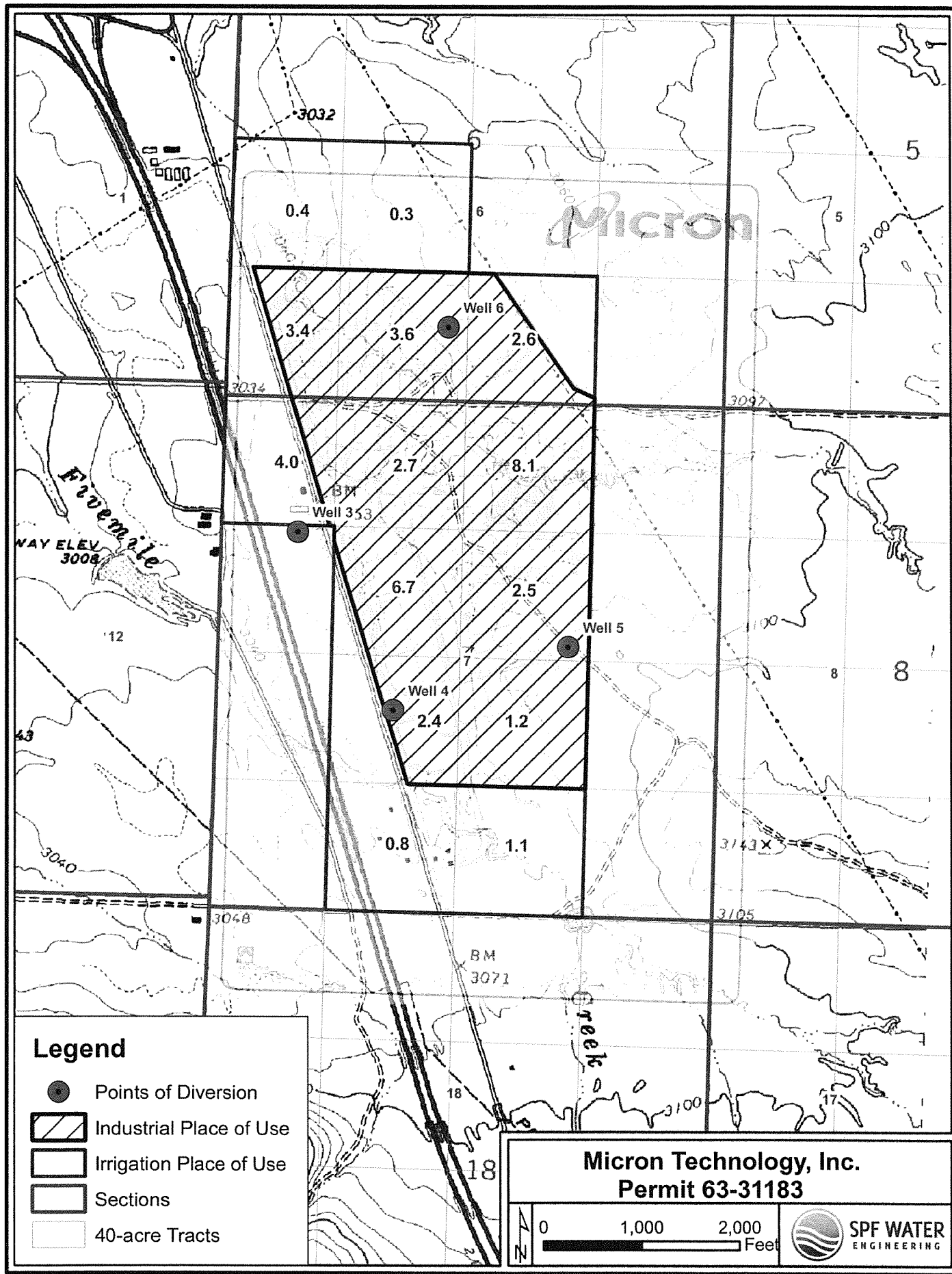
	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total Ground Water Diverted	2647	2626	2562	2664	2884	3205	3046	2084	1763
Wastewater Reclaimed and Reused	1837	2065	2851	2758	2620	4545	4234	3145	2418
Total Water Beneficially Used	4,484	4691	5413	5422	5504	7750	7280	7238	6191

A scenario of recharge, storage, and diversion under permit 63-31183 during the 2002 through 2010 time period is provided in the following table. Under this scenario, diversion of stored recharge water occurred in 2007 only.

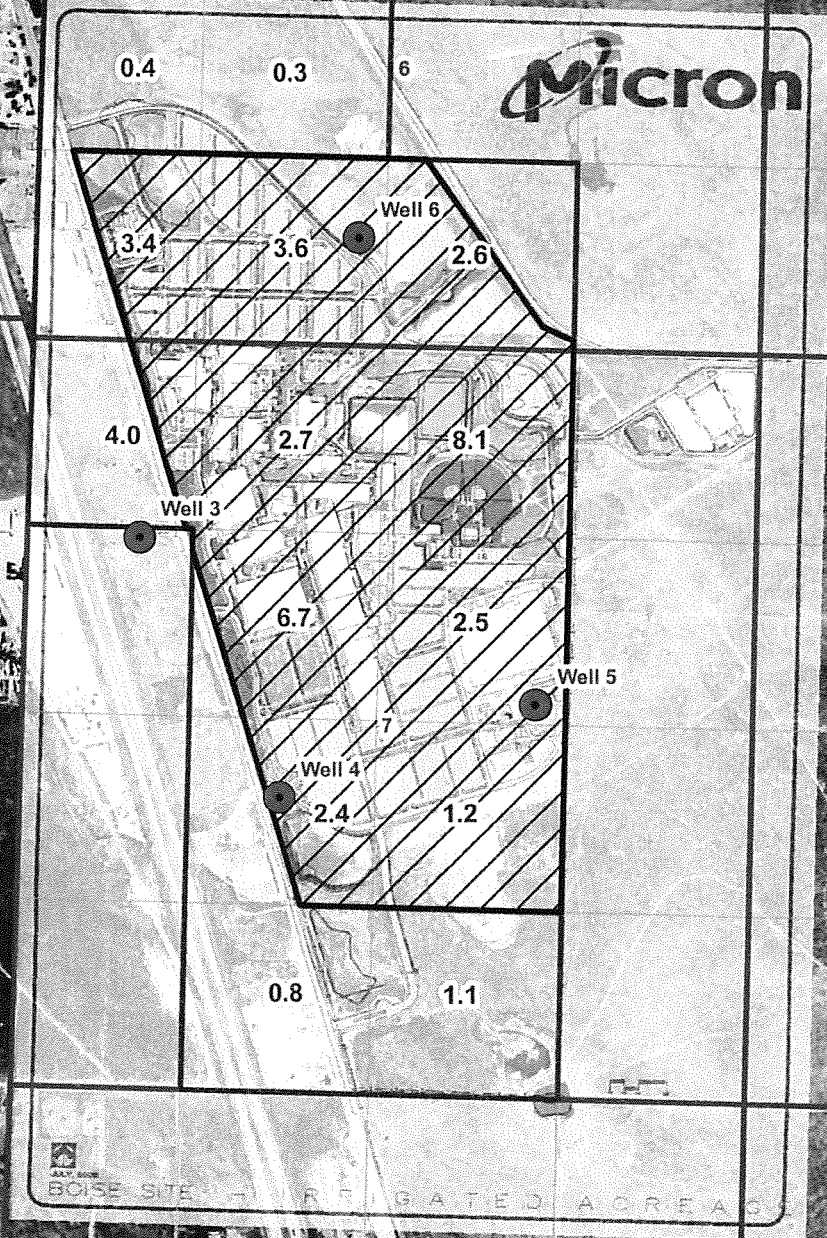
RECHARGE, STORAGE, AND DIVERSION UNDER PERMIT 63-31183
(all values in acre feet)

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Recharge:	459	787	609	419	592	1130	1608	1160	1160
Stored (with 10% carryover reduction)	459	1200	1689	1939	2337	3234	1634	2631	3528
Volume Diverted	0	0	0	0	0	3205	0	0	0

ATTACHMENT B
MAP AND AERIAL PHOTO

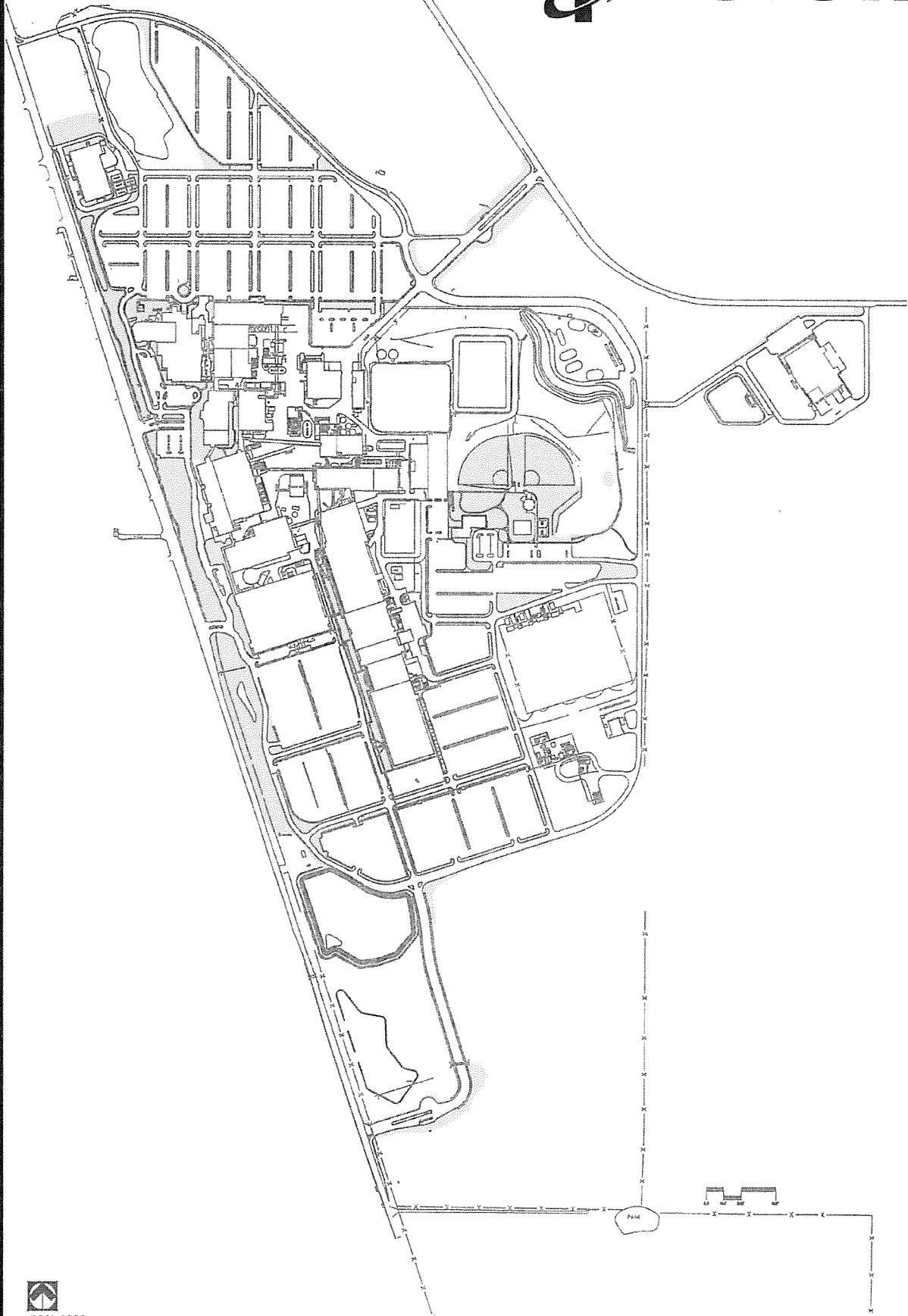


2006 Photo



Legend

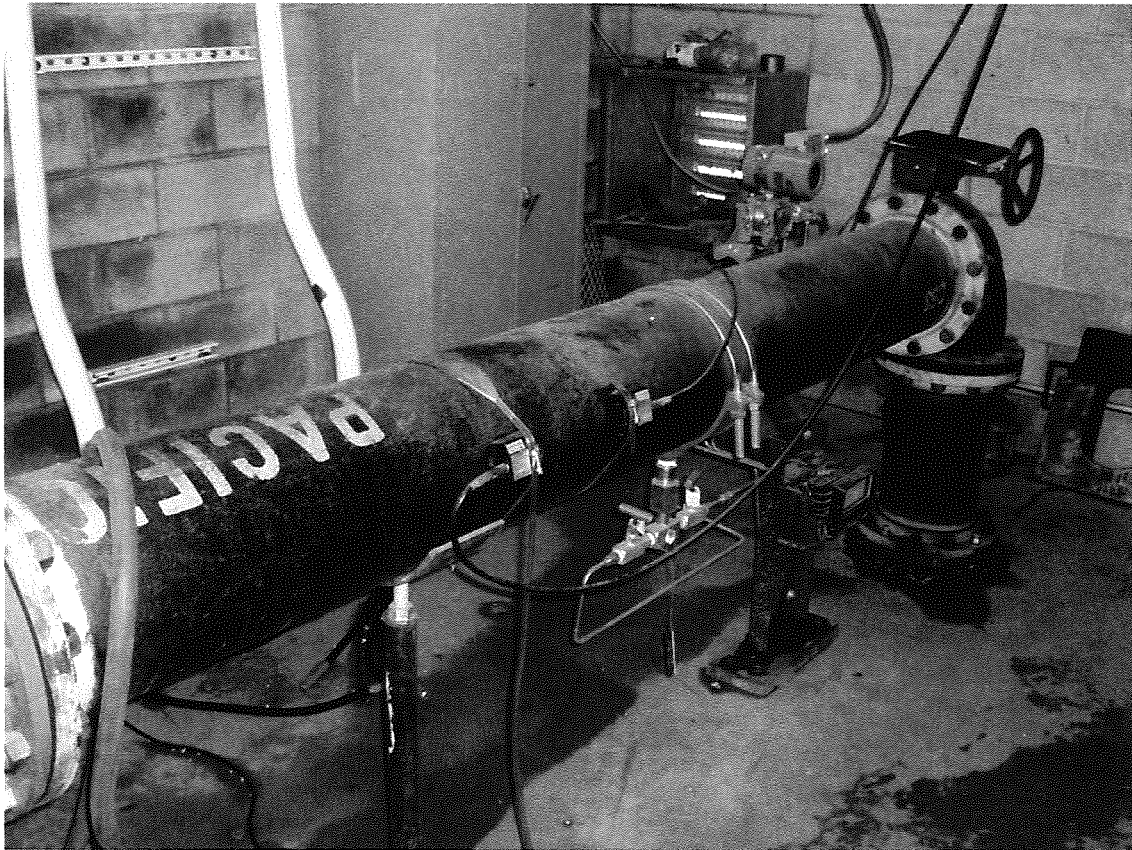
- Points of Diversion
- ▨ Industrial Place of Use
- ▭ Irrigation Place of Use
- ▭ Sections
- ▭ 40-acre Tracts



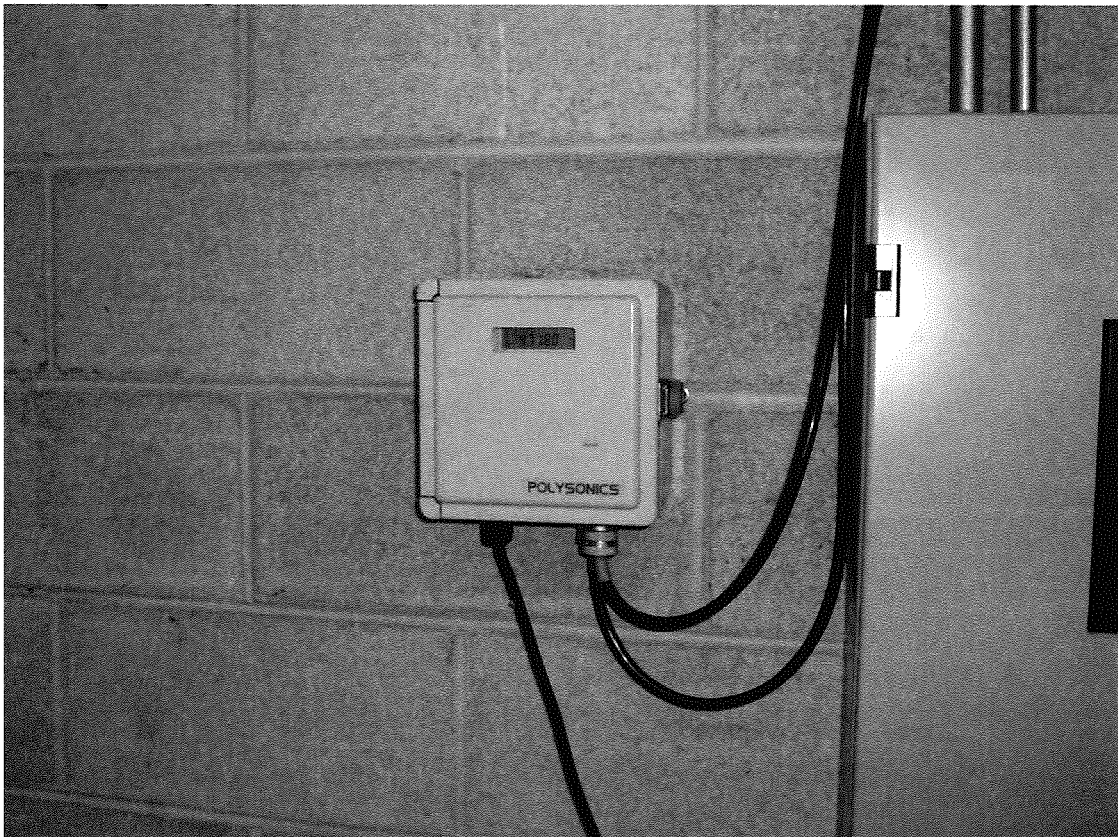
JULY, 2003

BOISE SITE — IRRIGATED ACREAGE

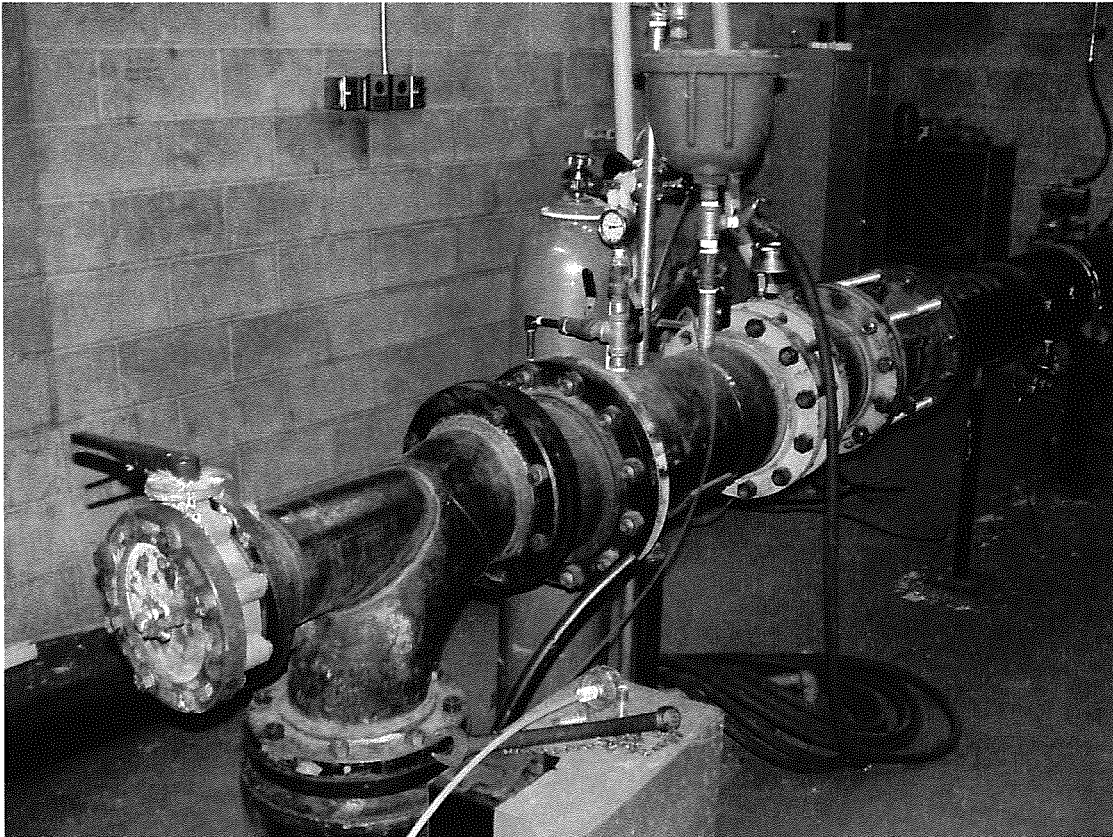
ATTACHMENT C
EXAMINATION PHOTOS



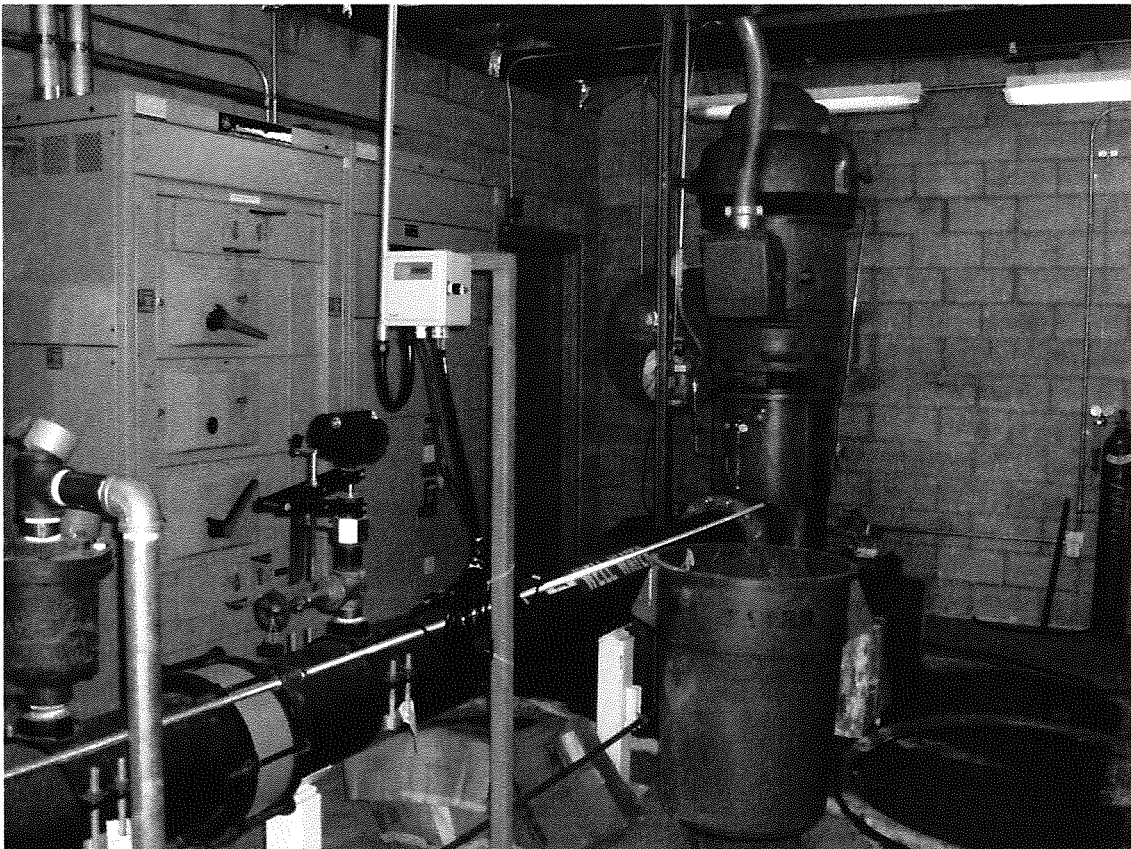
Well 3 ultrasonic flow meter



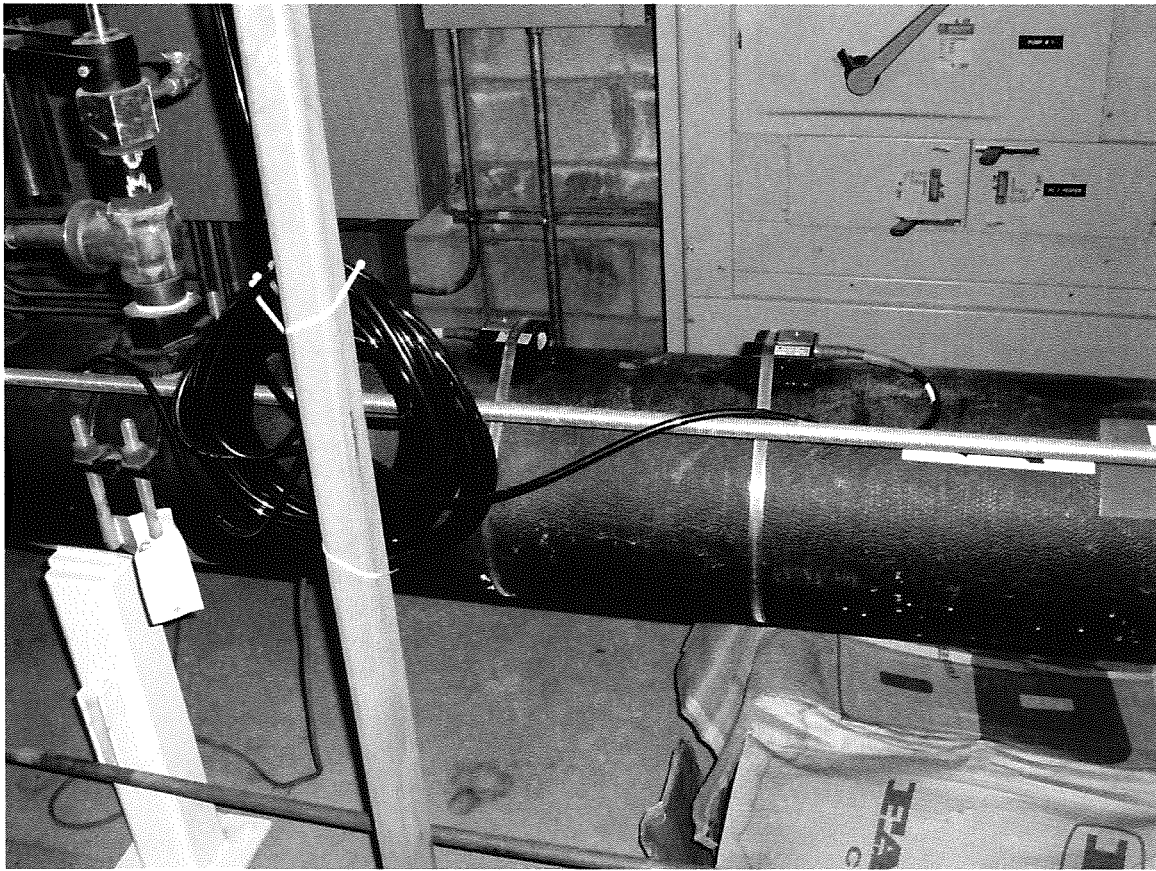
Well 3 ultrasonic flow meter display



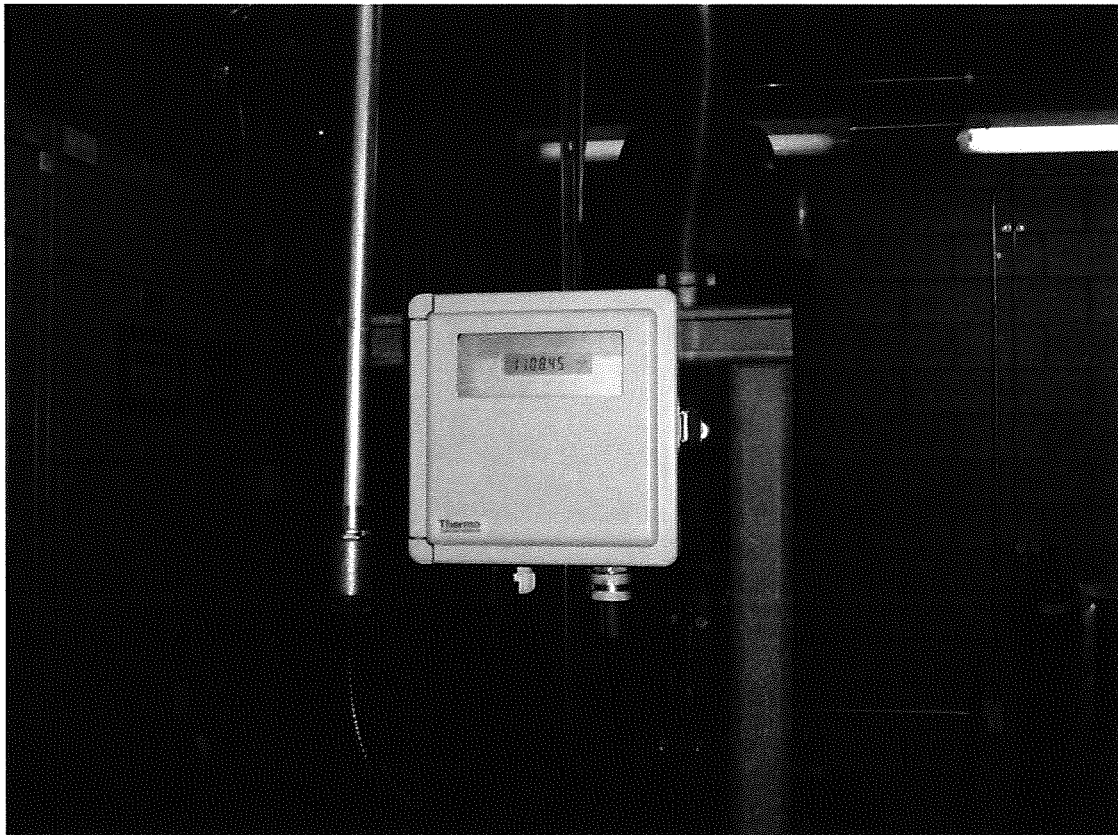
Well 3 discharge piping. Well head discharge elbow in foreground



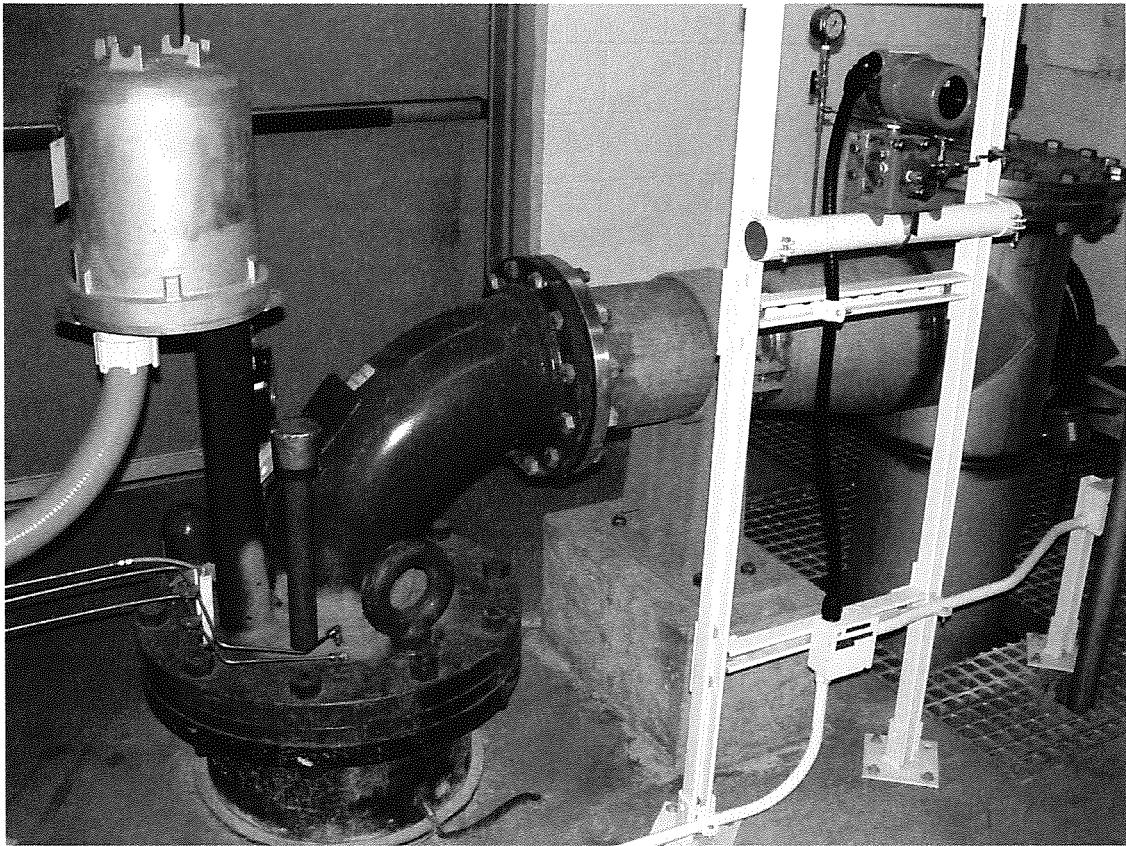
Well 4 motor and discharge piping.



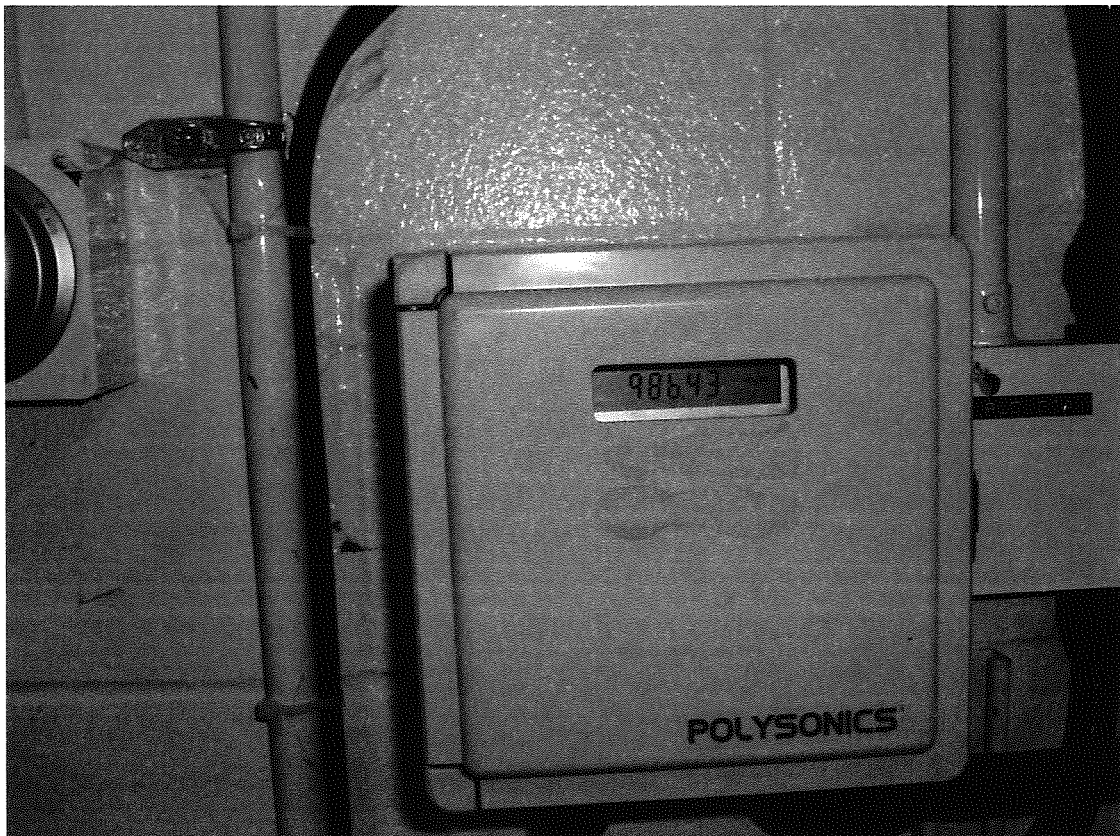
Well 4 ultrasonic flow meter



Well 4 flow meter display



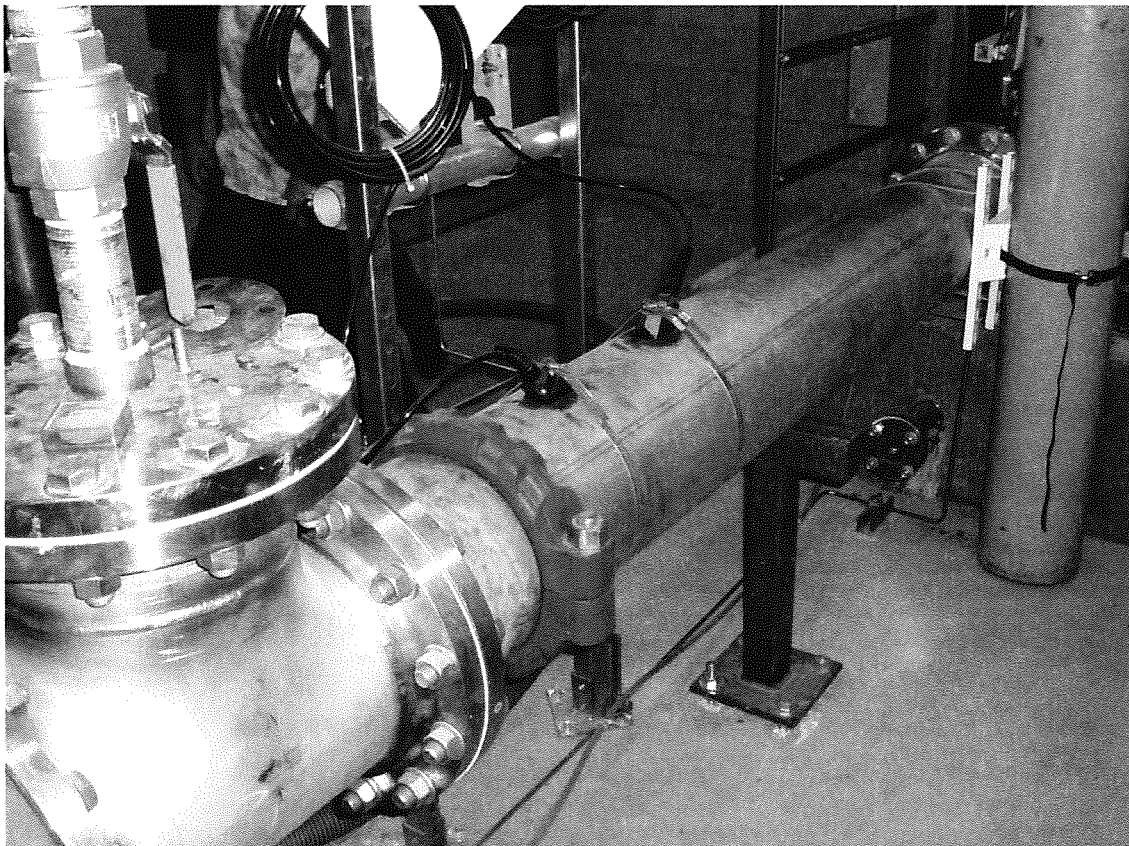
Micron Well No. 5 (injection/production) wellhead (on left)



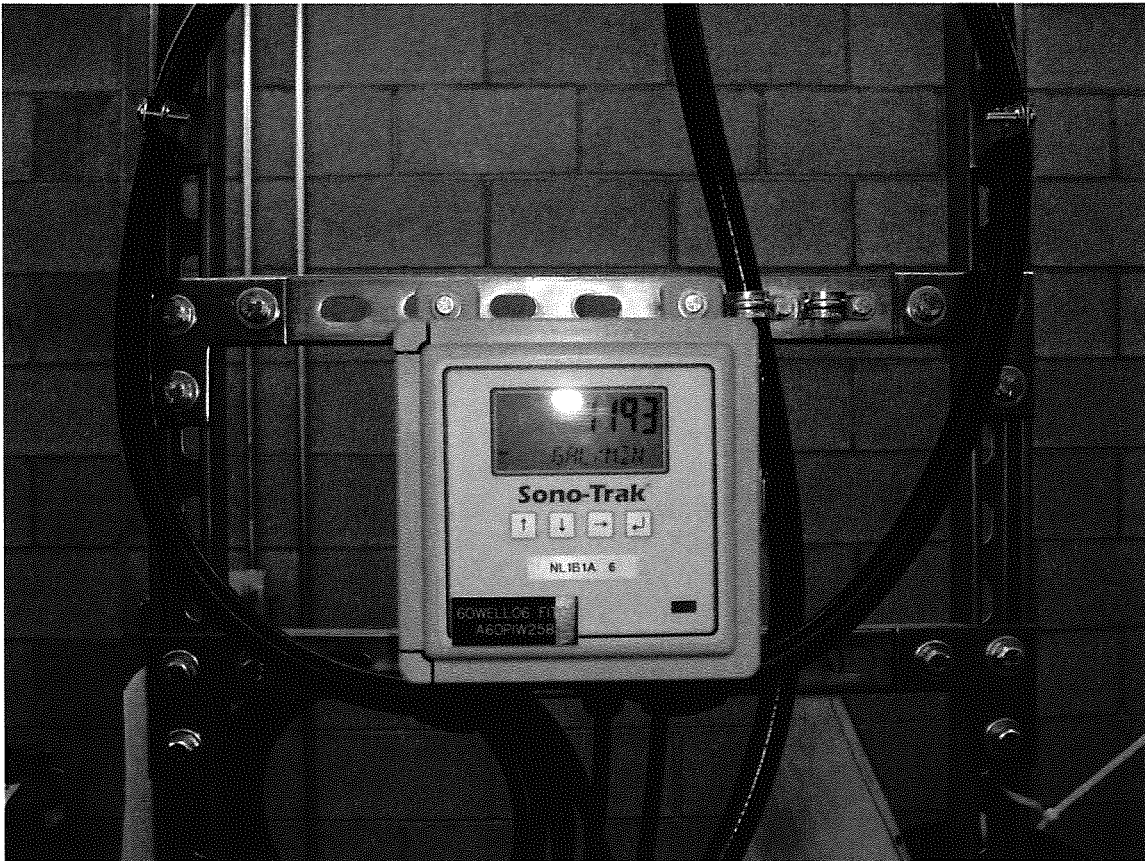
Well 5 flow meter display



Well 5 ultrasonic flow meter



Well 6 ultrasonic flow meter



Well 6 flow meter display



SCADA system screen in Building 22

ATTACHMENT D
WELL DRILLERS REPORTS

WELL NO. 3

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

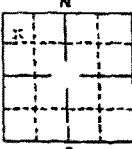
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

Well #3

1/2

Page 1 of 2

1. WELL OWNER Name <u>Micron Technology</u> Address <u>2805 E. Columbia, Boise, ID 83706</u> Drilling Permit No. <u>63-90-W-087</u> Water Right Permit No. <u>63-11293</u>		7. WATER LEVEL Static water level <u>405</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>79</u> °F. Quality _____ Describe artesian or temperature zones below.																																																																																																																																																														
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☒ Pump ☐ Baller ☐ Air ☐ Other _____																																																																																																																																																														
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		<table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td>1400</td><td>473'</td><td>24</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	1400	473'	24																																																																																																																																																							
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th rowspan="2">Wa Yes</th></tr><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td>24</td><td>0</td><td>2</td><td>Top soil</td><td> </td></tr><tr><td> </td><td>2</td><td>5</td><td> </td><td> </td></tr><tr><td> </td><td>5</td><td>10</td><td>Cemented Gravel</td><td> </td></tr><tr><td>24</td><td>10</td><td>168</td><td>Lava rock</td><td> </td></tr><tr><td>16</td><td>168</td><td>210</td><td>Hard packed brown & cobbles</td><td> </td></tr><tr><td> </td><td>210</td><td>218</td><td>Course brown sand & gravel</td><td> </td></tr><tr><td> </td><td>218</td><td>260</td><td>Hard packed silty sand & clay</td><td> </td></tr><tr><td> </td><td>260</td><td>266</td><td>Light brown sand & small gravel</td><td> </td></tr><tr><td> </td><td>266</td><td>285</td><td>Light brown med to coarse sand and clay</td><td> </td></tr><tr><td> </td><td>285</td><td>340</td><td>Brown hand packed sand & clay</td><td> </td></tr><tr><td> </td><td>340</td><td>366</td><td>Course brown gravel</td><td> </td></tr><tr><td> </td><td>366</td><td>401</td><td>Med to fine brown sand & gravel</td><td>X</td></tr><tr><td> </td><td>401</td><td>410</td><td>Brown course sand & gravel traces of clay</td><td>Y</td></tr><tr><td> </td><td>410</td><td>422</td><td>Brown med to course hand packed sand & gravel</td><td> </td></tr><tr><td> </td><td>422</td><td>440</td><td>Brown course sand & gravel</td><td>X</td></tr><tr><td> </td><td>440</td><td>452</td><td>Brown clay & silty sand and gravel</td><td> </td></tr><tr><td> </td><td>452</td><td>520</td><td>Hand packed brown sand & gravel</td><td> </td></tr><tr><td> </td><td>520</td><td>529</td><td>Med to course brown sand and small gravel</td><td>X</td></tr><tr><td> </td><td>529</td><td>580</td><td>Course brown sand gravel & clay</td><td> </td></tr><tr><td> </td><td>580</td><td>589</td><td>course brown sand & gravel</td><td>X</td></tr><tr><td>16</td><td>589</td><td>640</td><td>Redish brown clay sand & gravel</td><td> </td></tr><tr><td>12</td><td>640</td><td>650</td><td>Gray clay sand & gravel</td><td> </td></tr><tr><td> </td><td>650</td><td>675</td><td>Grayish brown med to course sand & gravel</td><td>X</td></tr><tr><td> </td><td>675</td><td>695</td><td>Brown sand & clay</td><td> </td></tr><tr><td> </td><td>695</td><td>704</td><td>Fine light brown sand</td><td>Y</td></tr><tr><td> </td><td>704</td><td>750</td><td>Soft light brown clay & sand</td><td> </td></tr><tr><td> </td><td>750</td><td>765</td><td>Brown clay and sand</td><td> </td></tr><tr><td> </td><td>765</td><td>770</td><td>Redish brown clay and gravel</td><td> </td></tr><tr><td> </td><td>770</td><td>795</td><td>Gray clay and gravel</td><td> </td></tr><tr><td>12</td><td>795</td><td>805</td><td>Brown sand traces of clay</td><td>Y</td></tr></tbody></table>		Bore Diam.	Depth		Material	Wa Yes	From	To	24	0	2	Top soil			2	5				5	10	Cemented Gravel		24	10	168	Lava rock		16	168	210	Hard packed brown & cobbles			210	218	Course brown sand & gravel			218	260	Hard packed silty sand & clay			260	266	Light brown sand & small gravel			266	285	Light brown med to coarse sand and clay			285	340	Brown hand packed sand & clay			340	366	Course brown gravel			366	401	Med to fine brown sand & gravel	X		401	410	Brown course sand & gravel traces of clay	Y		410	422	Brown med to course hand packed sand & gravel			422	440	Brown course sand & gravel	X		440	452	Brown clay & silty sand and gravel			452	520	Hand packed brown sand & gravel			520	529	Med to course brown sand and small gravel	X		529	580	Course brown sand gravel & clay			580	589	course brown sand & gravel	X	16	589	640	Redish brown clay sand & gravel		12	640	650	Gray clay sand & gravel			650	675	Grayish brown med to course sand & gravel	X		675	695	Brown sand & clay			695	704	Fine light brown sand	Y		704	750	Soft light brown clay & sand			750	765	Brown clay and sand			765	770	Redish brown clay and gravel			770	795	Gray clay and gravel		12	795	805	Brown sand traces of clay	Y
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USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

Well #3

Page 2 of 2

1. WELL OWNER Name <u>Micron Technology</u> Address <u>2805 E. Columbia, Boise, ID 83706</u> Drilling Permit No. <u>63-90-W-087</u> Water Right Permit No. <u>63-11293</u>	7. WATER LEVEL Static water level _____ feet below land surface. Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ <i>Describe artesian or temperature zones below</i>																																																																													
2. NATURE OF WORK ☐ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped																																																																										
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6. LOCATION OF WELL Sketch map location must agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Ada</u> NW 1/4 NW 1/4 Sec. <u>7</u>, T. <u>2</u> N 30 S 0 R. <u>3</u> E 0 W 0	USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT																																																																													

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL NO. 4

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

Well #4 1/5

1. DRILLING PERMIT NO. 63-95-C-0179-000
City WR No 63-09357

2. OWNER: MICRON TECHNOLOGY, INC.
Name 2805 E. COLUMBIA ROAD
Address BOISE State ID Zip 83706

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>2</u> North ☒ or South ☐	
		Rge. <u>3</u> East ☒ or West ☐	
E		Sec. <u>7</u> NE 1/4 SW 1/4 1/4	
		Gov't Lot _____ County <u>ADA</u>	

Address of Well Site FEDERAL WAY
City BOISE, ID

City BOISE, ID Sub. Name _____

4. PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other INDUSTRIAL

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☒ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
cement grout	0	172	240	overbore
cement grout	0	595	484	overbore
8-12 colorado	505	1080	406 sacks	

/as drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
/as drive shoe seal lasted? Y ☐ N ☒ How? _____

8. CASING/LINER:

Size	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
20"	0	172	.250	steel	☒	☐	☒	☐
14"	0	638	.375	steel	☒	☐	☒	☐
SEE ATTACHED SHEET					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type stainless steel v-wire

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
SEE ATTACHED SHEET						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

55 ft. below ground Artesian pressure _____ lb.
nth flow encountered _____ ft. Describe access port or
trol devices _____

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min	Crawdown	Pumping Level	Time
1500		538	24 hrs
1900		542	2 hrs

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

From	To	Remarks: Lithology, Water Quality & Temperature	Water
28	0	5	Y N
28	5	12	
	12	clay	
24	12	13	
24	15	52	
24	52	61	
24	61	69	
24	69	72	
24	72	77	
24	77	85	
	85	broken gray lava and cinder	
24	85	172	
24	172	174	
24	174	180	
20	180	204	
	204	boulder	
20	204	225	
20	225	275	
20	275	282	
	282	cravel	
20	282	300	
	300	reddish brown coarse sand & gravel w/gray clay	
20	300	310	
	310	gray sand w/traces of clay	
20	310	320	
	320	brown coarse sand and gravel	
20	320	330	
	330	heavy coarse brown gravel	
20	330	340	
	340	coarse gravel & boulders	
20	340	350	
	350	cemented coarse gravel	
20	350	358	
	358	coarse sand & gravel	
		PAGE 1 OF 5	

Completed Depth 1090' (Measurable)
Date: Started 4/28/95 Completed 6/30/95

13. DRILLER'S CERTIFICATION

We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name HIDDLESTON & SON, INC. Firm No. 35
Firm Official [Signature] Date 8/17/95
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

Well # 43/5

1. BILLING PERMIT NO. 63-95-C-0179 - 000
City/County No. 63-09357

2. OWNER: MICRON TECHNOLOGY, INC.
Name MICRON TECHNOLOGY, INC.
Address 2805 E. COLUMBIA ROAD
City BOISE State ID Zip 83706

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. _____ North ☐ or South ☐	
		Rgs. _____ East ☐ or West ☐	
		Sec. _____ 1/4 1/4 1/4 1/4	
S		Gov't Lot _____ County _____	

Address of Well Site _____

City _____

Blk. _____ Sub. Name _____

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

TYPE OF WORK

New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

DRILL METHOD

Rotary ☐ Air Rotary ☐ Cable ☐ Other _____

SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Is drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Is drive shoe seal tested? Y ☐ N ☐ How? _____

CASING/LINER:

Material	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Size of Headpipe _____ Length of Tailpipe _____

PERFORATIONS/SCREENS

Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.
Flow encountered _____ ft. Describe access port or
valve devices: MICRON-TECH

11. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	N
20	654	680	coarse brown gravel		
		680	w/clay	X	
20	680	695	coarse brown gravel	X	
20	695	710	brown clay w/trace of		
		710	gravel		
20	710	720	coarse brown gravel-		
		720	dirty	X	
20	720	756	coarse brown gravel	X	
20	756	761	brown clay w/sand and		
		761	gravel		
20	761	768	brown sand & small w		
		768	gravel w/streaks of clay	X	
20	768	777	brown sand & gravel	X	
20	777	784	brown sand & smaller		
		784	gravel w/traces of clay	X	
20	784	795	tan-brown sandy clay		
20	795	811	brown sand & gravel	Y	
		811	w/thin layers of clay		
20	811	820	brown sandy clay		
20	820	823	coarse gravel	X	
20	823	828	brown sandy clay		
20	828	842	coarse gravel & sand	X	
20	842	856	sandy brown clay		
20	856	860	coarse brown sand	X	
20	860	891	brown sand & gravel		
		891	w/traces of clay -		
		891	boulders @ 877-888	X	
20	891	892	sandy brown clay		
20	892	896	sand & gravel w/layers		
		896	of clay	X	
20	896	899	sand & gravel w/more		
		899	clay	X	

PAGE 3 OF 5

Completed Depth 1090' (Measurable)
Date Started 4/28/95 Completed 6/30/95

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

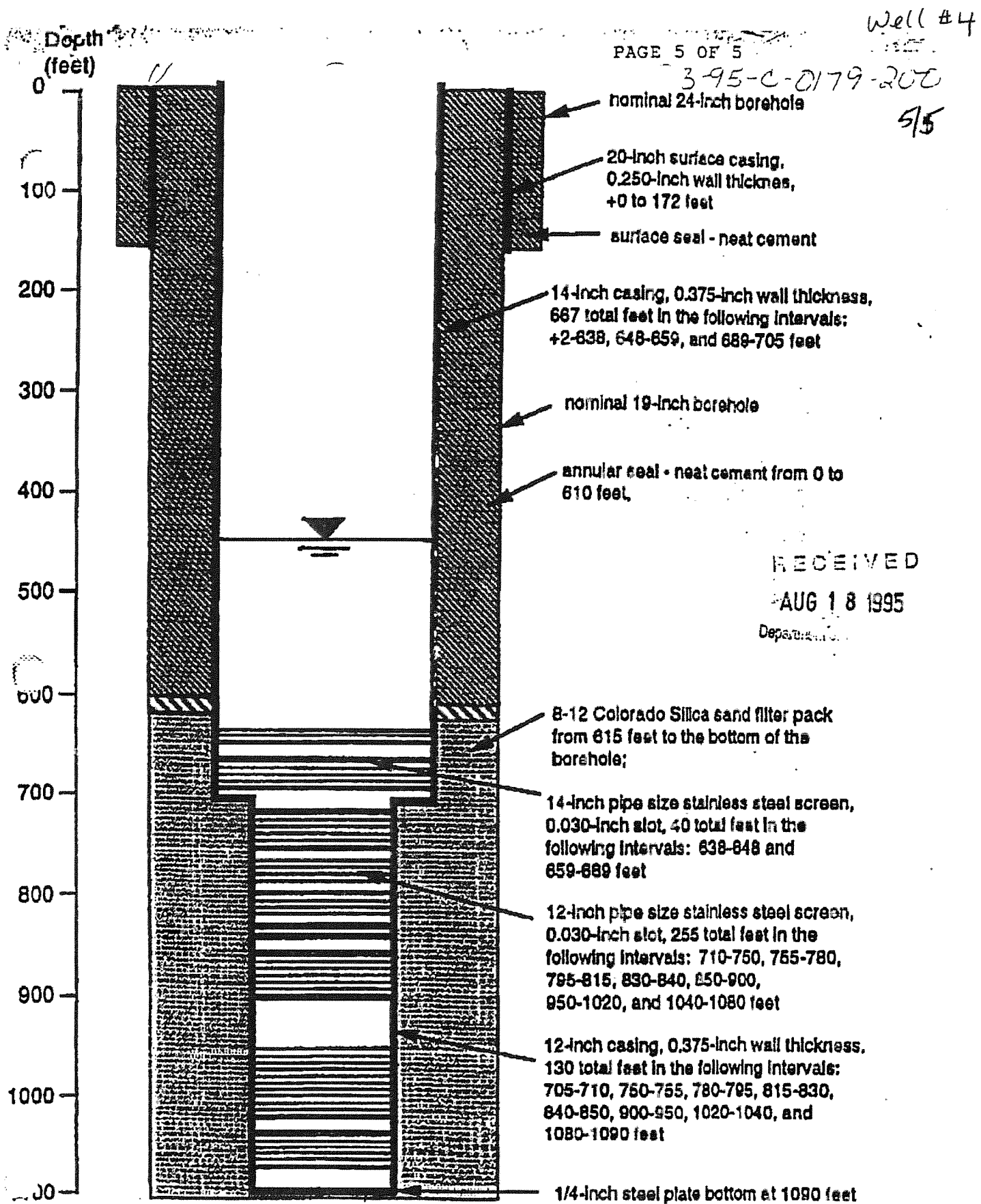
Firm Name HIDDLESTON & SON, INC. Firm No. 35

Firm Official Mark B. Hiddleston Date 8/17/95

and Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

SEP 14 2002



MICRON WELL NO. 4 - FINAL WELL DESIGN

SEP 23 2002

WELL NO. 5

FORWARD WHITE COPY TO WATER RESOURCES

well #5
4/5

16-inch casing and screen schedule, Micron Well No. 5

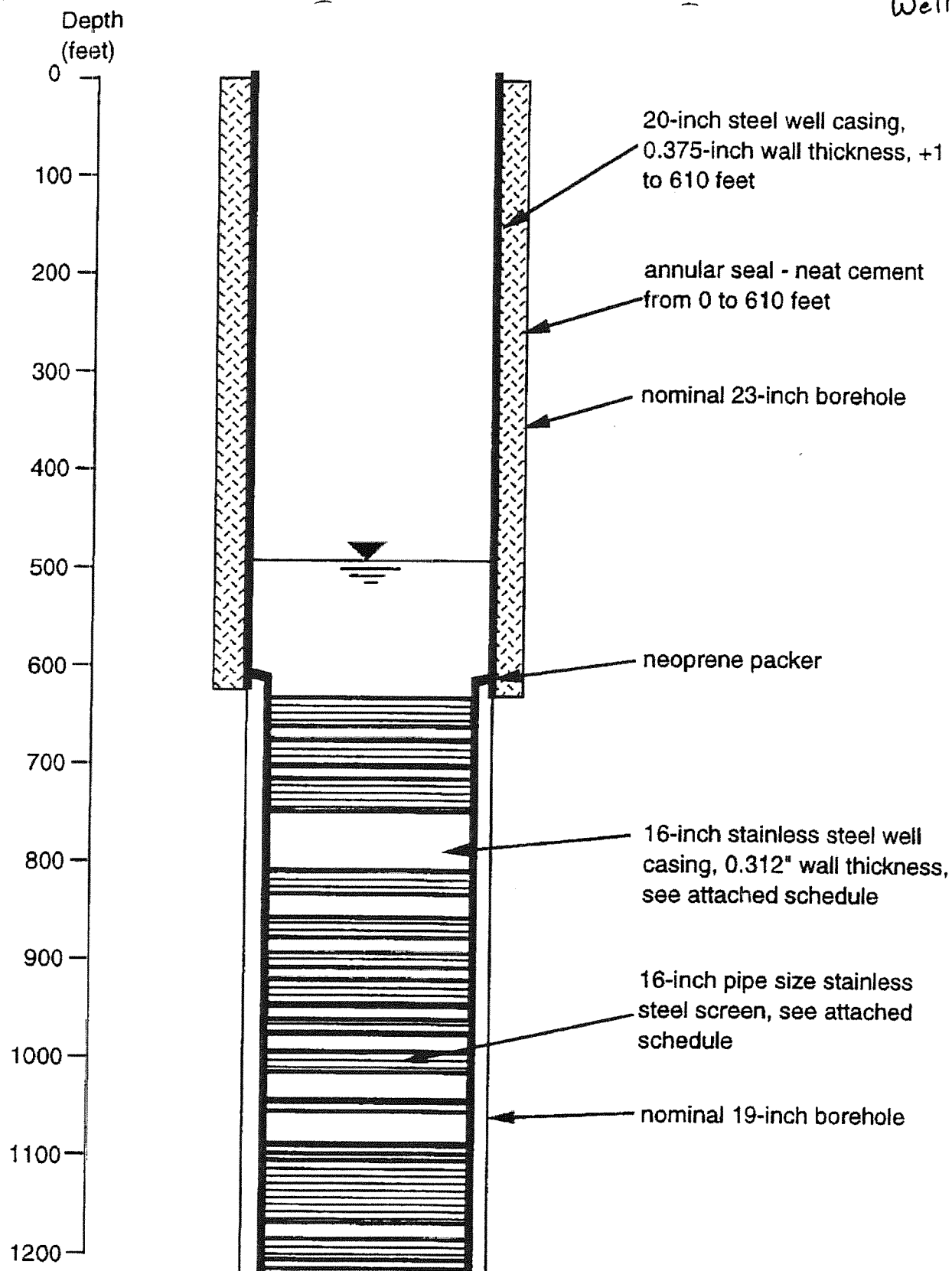
screen			blank casing	
interval	length	slot size	interval	length
630-660	30	70	600-630	30
675-705	30	70	660-675	15
715-750	35	70	705-715	10
809-834	25	70	750-809	59
859-879	20	70	834-859	25
895-905	10	70	879-895	16
917-947	30	70	905-917	12
962-977	15	70	947-962	15
995-1015	20	70	977-995	18
1046-1056	10	70	1015-1046	31
1091-1101	10	70	1056-1091	35
1110-1170	60	70	1101-1110	9
1183-1203	20	70	1170-1183	13
			1203-1210	7
Total	315			295

MICRON

SEP 23 2002

Well #5

5/5



MICRON WELL NO. 5 - FINAL WELL DESIGN

SEP 23 2002

WELL NO. 6

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No. 408673
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

PAGE 1 of 2

1. WELL TAG NO. D 0042534
DRILLING PERMIT NO. 892995-838291
Water Right or Injection Well No. 63-31183, 63-8992, 63-9029

2. OWNER:
Name Micron Technology
Address 8000 S Federal Way
City Boise State ID Zip 83707

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 2 North ☒ or South ☐
Rge. 3 East ☒ or West ☐
Sec. 6 1/4 S/E 1/4 S/W 1/4
Gov't Lot _____
County Ada State ID

Lat: _____ Long: _____
Address of Well Site 8000 S Federal Way
City Boise

(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name Micron Tech. Campus

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other industrial

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other reverse rotary

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
bentonite chips	0	252	13.3 yd	poured
cement grout	0	700	496 sk	pumped

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☒ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
20"	0	252	250	steel	☒ X	☐	☒ X	☐
16"	+2	700	375	steel	☒ X	☐	☒ X	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☒ Y ☐ N Type figure K sledge pack 5'10"9. PERFORATIONS/SCREENS PACKER TYPE long 4'6" 12" X.375Perforation Method casing

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
see attached						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
#6-9 sand	690	1095	270 cu'	poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

462 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. 73.69

Water Quality test or comments: _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	
				Y	N
24	0	1	pit run		X
	1	18	tan clay		X
	18	25	tan clay & broken basalt		X
	25	58	broken basalt		X
	58	75	hard broken basalt		X
	75	80	hard basalt		X
	80	81	void		X
	81	115	broken basalt		X
	115	197	cemented sand, gravel, boulders	X	
	197	207	brown clay & gravel		X
	207	215	sand & gravel		X
	215	216	clay		X
	216	245	gravel		X
	245	252	gravel, sand, thin clay streaks	X	
	252	268	clay & gravel		X
	268	280	reddish sand & gravel		X
	280	300	sand & finer gravel		X
	300	387	sand & gravel		X
	387	390	clay		X
	390	400	sand & gravel		X
	400	412	clay, sand & gravel		X
	412	450	sand & gravel		X
	450	470	reddish sand & gravel	X	
	470	475	tan clay		X
	475	495	sand & gravel	X	
	495	505	tan clay		X
	505	507	yellow clay		X
	507	510	white sand	X	
	510	520	tan clay, sand streaks		X
	520	560	sand, gravel, clay streaks		X
	560	570	white sand	X	
	570	620	reddish sand & gravel	X	

Completed Depth 1,082' bottom of tail pipe (Measurable)
Date: Started 4/15/06 Completed 8/16/06

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Stevens & Sons Firm No. 153Principal Driller [Signature] Date 8/21/06and Driller or Operator II [Signature] Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

PAGE 2 of 2

Office Use Only		
Well ID No.		
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat:	:	Long:
:	:	:

1. WELL TAG NO. D _____
 DRILLING PERMIT NO. _____
 Water Right or Injection Well No. _____

2. OWNER:

Name Micron Technology
Address _____
City _____ State _____ Zip _____

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. _____ North ☐ or South ☐
Rge. _____ East ☐ or West ☐
Sec. _____ 1/4 1/4 1/4
Gov't Lot _____
County _____
Lat: _____ : _____ : _____
Address of Well Site _____

City _____
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply

(Replacement etc.)

☐ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered ft. Describe access port or control devices: _____

12. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

[illegible]

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name _____ Firm No. _____

Principal Driller _____ Date _____

and
Driller or Operator II: _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator *Required*.
Operator I must have signature of Driller/Operator II.

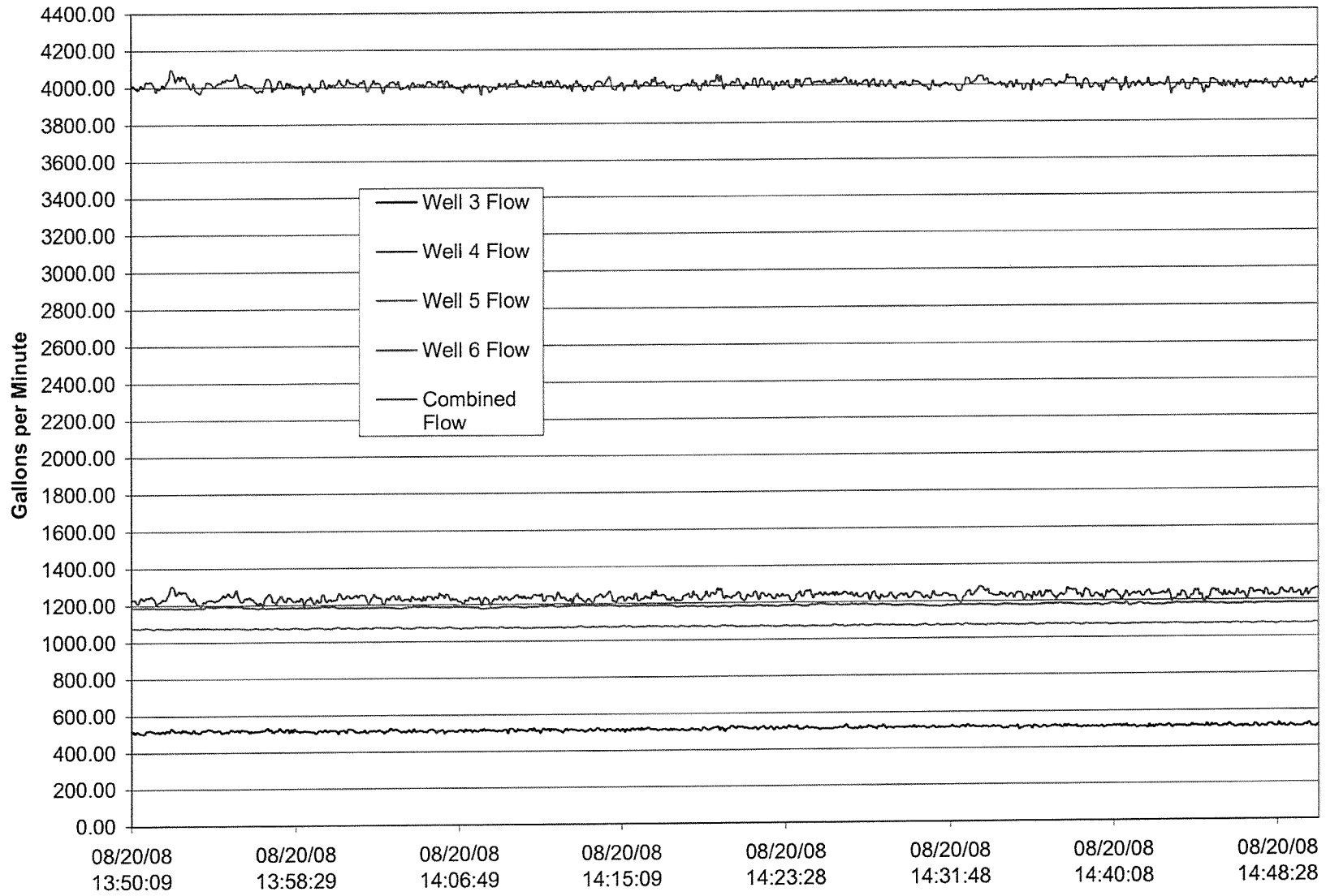
FORWARD WHITE COPY TO WATER RESOURCES

Screen Schedule
Micron Well No. 6

#9	10-inch well screen			10-inch blank casing			#8 liner
	Start	End	Length	Start	End	Length	
			0	690	695	5	
	695	700	5	700	710	10	
	710	725	15	725	756	31	
	756	796	40	796	816	20	
	816	886	70	886	905	19	
	905	955	50	955	970	15	
	970	980	10	980	990	10	
	990	1000	10	1000	1020	20	
	1020	1035	15	1035	1042	7	
	1042	1072	30	1072	1092	~~20~~ XX	10
Total			245			~~157~~ XX	197

All screens 40 slot, 304 stainless steel V wire by Johnson

ATTACHMENT E
FLOW METER DATA



	Well 3 Instant	Well 4 Instant	Well 5 Instant	Well 6 Instant	Combined Theoretical	Combined Actual
(Chart in tab below)	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow
	535.39	1304.00	1081.88	1200.09	4121.35	4099.17

Date/Time	Well 3 Flow	Well 4 Flow	Well 5 Flow	Well 6 Flow	Combined Flow
08/20/08 13:50:09	511.63	1228.02	1074.84	1185.62	4000.12
08/20/08 13:50:14	518.80	1230.85	1077.19	1185.62	4012.46
08/20/08 13:50:19	501.08	1232.42	1077.66	1187.07	3998.22
08/20/08 13:50:24	516.37	1213.18	1076.72	1186.34	3992.61
08/20/08 13:50:29	512.88	1210.54	1076.25	1187.07	3986.73
08/20/08 13:50:34	505.71	1234.66	1074.38	1185.62	4000.36
08/20/08 13:50:39	506.06	1243.65	1078.13	1186.34	4014.18
08/20/08 13:50:44	500.79	1229.58	1078.59	1186.34	3995.31
08/20/08 13:50:49	504.28	1234.96	1079.06	1187.07	4005.37
08/20/08 13:50:54	520.11	1243.35	1080.94	1187.79	4032.19
08/20/08 13:50:59	518.27	1241.40	1079.53	1187.07	4026.27
08/20/08 13:51:04	521.05	1243.06	1078.13	1185.62	4027.86
08/20/08 13:51:09	520.70	1250.97	1077.19	1185.62	4034.48
08/20/08 13:51:14	516.43	1241.30	1073.44	1187.07	4018.24
08/20/08 13:51:19	511.99	1229.29	1072.97	1187.79	4002.04
08/20/08 13:51:24	511.10	1201.56	1079.06	1184.17	3975.89
08/20/08 13:51:29	518.80	1214.25	1080.00	1184.17	3997.23
08/20/08 13:51:34	506.24	1216.99	1078.59	1187.07	3988.89
08/20/08 13:51:39	514.18	1223.82	1076.25	1184.17	3998.43
08/20/08 13:51:44	518.68	1236.81	1075.78	1186.34	4017.62
08/20/08 13:51:49	506.89	1227.44	1076.72	1184.17	3995.22
08/20/08 13:51:54	521.23	1234.66	1074.38	1184.17	4014.44
08/20/08 13:51:59	518.86	1254.19	1075.31	1184.17	4032.54
08/20/08 13:52:04	511.22	1272.36	1075.31	1186.34	4045.23
08/20/08 13:52:09	535.39	1304.00	1073.44	1186.34	4099.17
08/20/08 13:52:14	527.63	1304.00	1074.84	1184.17	4090.65
08/20/08 13:52:19	517.20	1286.71	1080.47	1182.73	4067.11
08/20/08 13:52:24	512.58	1255.27	1077.66	1182.73	4028.23
08/20/08 13:52:29	517.91	1267.77	1077.66	1183.45	4046.79
08/20/08 13:52:34	518.98	1279.49	1079.53	1184.17	4062.17
08/20/08 13:52:39	510.39	1265.23	1074.84	1185.62	4036.08
08/20/08 13:52:44	527.04	1274.51	1078.13	1185.62	4065.29
08/20/08 13:52:49	516.55	1272.46	1077.66	1182.73	4049.39
08/20/08 13:52:54	523.42	1270.31	1080.47	1182.00	4056.20
08/20/08 13:52:59	511.39	1254.10	1079.06	1182.73	4027.28
08/20/08 13:53:04	516.08	1240.82	1078.13	1183.45	4018.47
08/20/08 13:53:09	506.89	1228.71	1077.66	1183.45	3996.70
08/20/08 13:53:14	513.29	1221.97	1076.25	1183.45	3994.96
08/20/08 13:53:19	526.45	1243.45	1076.25	1182.00	4028.15
08/20/08 13:53:24	507.78	1220.31	1076.72	1185.62	3990.43
08/20/08 13:53:29	512.70	1203.51	1077.66	1186.34	3980.21
08/20/08 13:53:34	505.00	1204.49	1077.66	1185.62	3972.76
08/20/08 13:53:39	511.22	1192.96	1077.19	1183.45	3964.82
08/20/08 13:53:44	520.17	1206.64	1077.19	1182.73	3986.71
08/20/08 13:53:49	522.06	1220.99	1079.06	1184.17	4006.29
08/20/08 13:53:54	517.74	1211.03	1077.19	1191.41	3997.36
08/20/08 13:53:59	523.96	1228.41	1077.66	1200.09	4030.11
08/20/08 13:54:04	528.94	1226.95	1079.06	1189.24	4024.18
08/20/08 13:54:09	523.42	1231.54	1076.72	1193.58	4025.26
08/20/08 13:54:14	525.62	1226.36	1076.25	1189.96	4018.19
08/20/08 13:54:19	513.41	1225.19	1075.78	1190.68	4005.06
08/20/08 13:54:24	517.91	1217.87	1076.72	1189.24	4001.73

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 13:54:29	515.60	1228.90	1076.72	1193.58		4014.80
08/20/08 13:54:34	522.83	1226.36	1077.66	1193.58		4020.43
08/20/08 13:54:39	518.68	1237.89	1074.84	1194.30		4025.71
08/20/08 13:54:44	505.47	1243.55	1077.66	1195.02		4021.70
08/20/08 13:54:49	510.74	1257.32	1074.38	1196.47		4038.91
08/20/08 13:54:54	509.62	1244.92	1076.25	1197.92		4028.70
08/20/08 13:54:59	515.48	1255.37	1076.25	1194.30		4041.40
08/20/08 13:55:04	508.37	1266.89	1077.66	1190.68		4043.60
08/20/08 13:55:09	521.82	1251.17	1073.44	1190.68		4037.11
08/20/08 13:55:14	523.60	1247.94	1076.72	1192.85		4041.12
08/20/08 13:55:19	520.58	1246.19	1077.19	1193.58		4037.53
08/20/08 13:55:24	514.54	1264.94	1079.53	1193.58		4052.58
08/20/08 13:55:29	519.99	1284.08	1075.78	1195.02		4074.87
08/20/08 13:55:34	522.18	1247.55	1078.13	1195.02		4042.88
08/20/08 13:55:39	509.85	1227.44	1076.72	1194.30		4008.31
08/20/08 13:55:44	523.96	1217.28	1077.19	1193.58		4012.00
08/20/08 13:55:49	523.25	1218.55	1075.31	1189.96		4007.07
08/20/08 13:55:54	518.03	1235.74	1075.78	1187.79		4017.34
08/20/08 13:55:59	520.88	1237.69	1074.38	1187.07		4020.01
08/20/08 13:56:04	515.66	1236.23	1071.56	1187.79		4011.24
08/20/08 13:56:09	505.82	1244.53	1074.84	1187.79		4012.98
08/20/08 13:56:14	517.91	1230.56	1074.38	1186.34		4009.19
08/20/08 13:56:19	509.26	1233.98	1075.31	1187.07		4005.62
08/20/08 13:56:24	515.66	1218.65	1076.25	1182.73		3993.28
08/20/08 13:56:29	513.41	1211.03	1077.19	1182.73		3984.35
08/20/08 13:56:34	516.55	1197.16	1076.72	1180.56		3970.99
08/20/08 13:56:39	514.89	1213.76	1073.44	1182.73		3984.82
08/20/08 13:56:44	516.79	1210.35	1073.44	1185.62		3986.19
08/20/08 13:56:49	519.34	1193.94	1075.78	1185.62		3974.68
08/20/08 13:56:54	516.73	1229.00	1072.50	1185.62		4003.85
08/20/08 13:56:59	528.64	1244.53	1076.72	1182.00		4031.89
08/20/08 13:57:04	535.16	1254.10	1076.72	1182.73		4048.70
08/20/08 13:57:09	517.50	1264.64	1076.25	1185.62		4044.01
08/20/08 13:57:14	524.96	1247.55	1072.50	1184.17		4029.19
08/20/08 13:57:19	505.82	1217.67	1071.56	1183.45		3978.51
08/20/08 13:57:24	513.77	1218.35	1079.53	1183.45		3995.10
08/20/08 13:57:29	518.27	1204.49	1080.47	1185.62		3988.84
08/20/08 13:57:34	516.97	1229.49	1076.25	1186.34		4009.05
08/20/08 13:57:39	534.74	1236.62	1073.91	1187.07		4032.33
08/20/08 13:57:44	521.29	1253.51	1074.38	1186.34		4035.52
08/20/08 13:57:49	516.19	1236.23	1073.44	1186.34		4012.20
08/20/08 13:57:54	510.51	1221.97	1075.31	1185.62		3993.41
08/20/08 13:57:59	524.49	1216.40	1075.78	1185.62		4002.29
08/20/08 13:58:04	527.22	1240.62	1074.38	1185.62		4027.83
08/20/08 13:58:09	506.06	1240.33	1073.44	1186.34		4006.17
08/20/08 13:58:14	525.91	1236.32	1074.84	1187.79		4024.87
08/20/08 13:58:19	509.02	1221.87	1076.72	1189.24		3996.85
08/20/08 13:58:24	531.36	1218.26	1077.19	1187.79		4014.60
08/20/08 13:58:29	517.68	1217.87	1077.66	1184.17		3997.37
08/20/08 13:58:34	517.20	1229.58	1076.72	1184.17		4007.68
08/20/08 13:58:39	512.22	1220.31	1074.84	1187.07		3994.44
08/20/08 13:58:44	511.45	1238.37	1073.91	1187.07		4010.80
08/20/08 13:58:49	512.17	1233.69	1075.31	1185.62		4006.78
08/20/08 13:58:54	517.32	1184.66	1072.03	1186.34		3960.36
08/20/08 13:58:59	515.66	1219.92	1071.56	1184.17		3991.31

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 13:59:04	514.89	1232.32	1072.03	1185.62		4004.86
08/20/08 13:59:09	512.70	1230.56	1073.91	1185.62		4002.79
08/20/08 13:59:14	514.59	1246.09	1076.25	1187.79		4024.72
08/20/08 13:59:19	509.62	1225.68	1074.84	1187.07		3997.21
08/20/08 13:59:24	513.82	1207.61	1079.53	1187.07		3988.03
08/20/08 13:59:29	500.91	1208.78	1077.19	1187.07		3973.94
08/20/08 13:59:34	505.82	1231.64	1076.72	1187.07		4001.25
08/20/08 13:59:39	516.43	1214.35	1079.53	1187.07		3997.38
08/20/08 13:59:44	519.04	1214.06	1074.84	1187.79		3995.73
08/20/08 13:59:49	511.99	1254.19	1075.78	1193.58		4035.54
08/20/08 13:59:54	514.71	1259.27	1075.31	1191.41		4040.70
08/20/08 13:59:59	523.54	1231.73	1072.03	1190.68		4017.99
08/20/08 14:00:04	513.82	1214.64	1073.91	1191.41		3993.78
08/20/08 14:00:09	510.92	1225.00	1074.84	1187.79		3998.55
08/20/08 14:00:14	522.00	1233.59	1072.97	1190.68		4019.24
08/20/08 14:00:19	514.77	1219.72	1072.03	1190.68		3997.21
08/20/08 14:00:24	519.16	1226.07	1076.25	1192.85		4014.33
08/20/08 14:00:29	518.33	1226.17	1075.78	1189.24		4009.51
08/20/08 14:00:34	515.25	1228.90	1080.94	1187.07		4012.15
08/20/08 14:00:39	500.02	1256.83	1081.88	1185.62		4024.34
08/20/08 14:00:44	516.37	1264.94	1077.66	1182.73		4041.69
08/20/08 14:00:49	515.90	1243.65	1074.38	1185.62		4019.54
08/20/08 14:00:54	520.94	1231.54	1074.38	1184.17		4011.02
08/20/08 14:00:59	514.18	1236.13	1074.38	1185.62		4010.30
08/20/08 14:01:04	505.47	1246.09	1075.31	1187.07		4013.94
08/20/08 14:01:09	526.33	1253.41	1079.06	1186.34		4045.15
08/20/08 14:01:14	524.14	1243.26	1078.13	1185.62		4031.14
08/20/08 14:01:19	523.78	1234.96	1075.78	1185.62		4020.14
08/20/08 14:01:24	522.65	1240.03	1074.38	1184.17		4021.24
08/20/08 14:01:29	513.23	1247.16	1074.84	1184.17		4019.41
08/20/08 14:01:34	508.67	1256.05	1072.03	1182.73		4019.48
08/20/08 14:01:39	504.46	1237.50	1073.44	1185.62		4001.01
08/20/08 14:01:44	510.03	1251.95	1073.91	1183.45		4019.34
08/20/08 14:01:49	510.39	1256.05	1076.72	1185.62		4028.78
08/20/08 14:01:54	510.68	1250.87	1074.38	1184.17		4020.11
08/20/08 14:01:59	520.94	1255.37	1076.25	1186.34		4038.89
08/20/08 14:02:04	503.75	1235.35	1079.06	1186.34		4004.50
08/20/08 14:02:09	505.82	1209.86	1073.91	1185.62		3975.21
08/20/08 14:02:14	516.19	1211.23	1076.72	1183.45		3987.59
08/20/08 14:02:19	513.29	1233.69	1072.97	1185.62		4005.57
08/20/08 14:02:24	516.02	1242.38	1074.84	1186.34		4019.58
08/20/08 14:02:29	516.73	1261.03	1076.72	1184.17		4038.65
08/20/08 14:02:34	510.57	1242.28	1078.13	1185.62		4016.59
08/20/08 14:02:39	517.32	1240.23	1079.53	1186.34		4023.42
08/20/08 14:02:44	520.17	1237.50	1077.66	1186.34		4021.66
08/20/08 14:02:49	511.93	1234.86	1078.13	1186.34		4011.25
08/20/08 14:02:54	512.76	1206.83	1077.19	1187.79		3984.57
08/20/08 14:02:59	500.61	1204.10	1075.78	1187.07		3967.55
08/20/08 14:03:04	514.00	1226.46	1075.78	1187.79		4004.03
08/20/08 14:03:09	511.39	1237.40	1078.59	1185.62		4013.01
08/20/08 14:03:14	518.68	1224.60	1074.84	1185.62		4003.75
08/20/08 14:03:19	530.36	1239.64	1072.97	1184.17		4027.14
08/20/08 14:03:24	518.80	1247.16	1075.31	1184.17		4025.45
08/20/08 14:03:29	517.20	1252.05	1076.72	1184.17		4030.14
08/20/08 14:03:34	526.62	1232.42	1078.59	1182.00		4019.64

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:03:39	518.51	1229.00	1080.00	1182.00		4009.51
08/20/08 14:03:44	515.66	1253.90	1080.94	1182.00		4032.50
08/20/08 14:03:49	508.49	1229.58	1076.25	1179.11		3993.43
08/20/08 14:03:54	508.37	1221.77	1074.84	1182.00		3986.99
08/20/08 14:03:59	516.08	1224.60	1070.63	1182.73		3994.03
08/20/08 14:04:04	506.95	1230.37	1073.91	1184.17		3995.40
08/20/08 14:04:09	511.22	1228.71	1074.84	1186.34		4001.11
08/20/08 14:04:14	521.71	1230.76	1073.44	1187.07		4012.97
08/20/08 14:04:19	510.74	1216.30	1073.44	1187.07		3987.55
08/20/08 14:04:24	507.42	1247.55	1072.03	1187.07		4014.08
08/20/08 14:04:29	527.04	1237.59	1073.44	1190.68		4028.75
08/20/08 14:04:34	512.17	1229.68	1074.84	1190.68		4007.37
08/20/08 14:04:39	509.20	1229.68	1079.06	1187.79		4005.74
08/20/08 14:04:44	516.08	1233.59	1078.59	1187.07		4015.32
08/20/08 14:04:49	516.08	1231.64	1079.06	1189.24		4016.01
08/20/08 14:04:54	514.95	1217.67	1077.66	1189.24		3999.51
08/20/08 14:04:59	507.60	1244.04	1077.19	1189.96		4018.79
08/20/08 14:05:04	510.74	1220.60	1073.91	1190.68		3995.93
08/20/08 14:05:09	506.18	1238.57	1074.84	1190.68		4010.28
08/20/08 14:05:14	516.79	1246.67	1075.78	1189.96		4029.20
08/20/08 14:05:19	519.04	1242.67	1075.78	1187.79		4025.28
08/20/08 14:05:24	524.85	1242.67	1078.13	1187.07		4032.71
08/20/08 14:05:29	519.34	1224.60	1076.25	1187.07		4007.26
08/20/08 14:05:34	513.94	1240.72	1078.13	1187.07		4019.85
08/20/08 14:05:39	500.37	1242.57	1075.31	1187.79		4006.05
08/20/08 14:05:44	514.77	1232.32	1074.38	1187.07		4008.53
08/20/08 14:05:49	512.22	1264.74	1071.56	1185.62		4034.15
08/20/08 14:05:54	517.20	1247.55	1071.56	1185.62		4021.94
08/20/08 14:05:59	519.34	1253.90	1075.78	1185.62		4034.64
08/20/08 14:06:04	497.82	1232.81	1073.91	1185.62		3990.16
08/20/08 14:06:09	508.67	1256.05	1077.19	1185.62		4027.53
08/20/08 14:06:14	515.25	1255.27	1077.19	1185.62		4033.32
08/20/08 14:06:19	512.76	1237.59	1079.06	1186.34		4015.76
08/20/08 14:06:24	511.75	1221.77	1078.13	1185.62		3997.27
08/20/08 14:06:29	517.38	1236.23	1075.78	1186.34		4015.73
08/20/08 14:06:34	509.79	1223.73	1073.44	1189.96		3996.92
08/20/08 14:06:39	510.51	1231.83	1072.03	1187.07		4001.43
08/20/08 14:06:44	508.85	1222.26	1071.56	1187.07		3989.74
08/20/08 14:06:49	519.04	1212.69	1072.97	1189.24		3993.93
08/20/08 14:06:54	517.32	1216.69	1069.22	1187.79		3991.02
08/20/08 14:06:59	514.77	1205.85	1071.56	1187.79		3979.98
08/20/08 14:07:04	504.58	1203.51	1072.50	1187.79		3968.38
08/20/08 14:07:09	523.78	1226.85	1072.50	1187.79		4010.92
08/20/08 14:07:14	511.57	1216.99	1073.44	1187.79		3989.79
08/20/08 14:07:19	518.62	1233.69	1072.03	1186.34		4010.68
08/20/08 14:07:24	516.97	1240.33	1072.03	1186.34		4015.67
08/20/08 14:07:29	504.64	1233.69	1072.03	1184.17		3994.53
08/20/08 14:07:34	517.68	1225.00	1074.38	1184.17		4001.22
08/20/08 14:07:39	513.65	1230.56	1076.25	1183.45		4003.91
08/20/08 14:07:44	507.25	1228.02	1076.72	1183.45		3995.44
08/20/08 14:07:49	512.17	1240.33	1073.91	1186.34		4012.74
08/20/08 14:07:54	520.70	1220.99	1075.31	1176.22		3993.22
08/20/08 14:07:59	510.51	1192.77	1075.31	1176.22		3954.80
08/20/08 14:08:04	527.99	1225.00	1075.31	1178.39		4006.68
08/20/08 14:08:09	510.74	1237.59	1074.84	1175.49		3998.67

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:08:14	518.03	1233.98	1074.84	1176.94		4003.79
08/20/08 14:08:19	515.42	1222.55	1075.31	1178.39		3991.68
08/20/08 14:08:24	516.19	1192.57	1077.19	1182.00		3967.96
08/20/08 14:08:29	512.11	1206.54	1074.38	1182.00		3975.02
08/20/08 14:08:34	516.73	1222.65	1071.09	1179.83		3990.31
08/20/08 14:08:39	512.22	1232.32	1075.31	1179.83		3999.69
08/20/08 14:08:44	507.96	1225.00	1071.56	1180.56		3985.07
08/20/08 14:08:49	511.75	1229.58	1073.44	1182.73		3997.50
08/20/08 14:08:54	515.25	1246.97	1076.25	1182.00		4020.47
08/20/08 14:08:59	507.60	1234.86	1077.66	1185.62		4005.74
08/20/08 14:09:04	516.61	1221.77	1076.72	1186.34		4001.44
08/20/08 14:09:09	516.61	1233.69	1072.03	1186.34		4008.67
08/20/08 14:09:14	519.22	1240.23	1072.03	1187.07		4018.54
08/20/08 14:09:19	496.05	1229.58	1072.97	1186.34		3984.94
08/20/08 14:09:24	524.67	1219.72	1072.50	1187.79		4004.68
08/20/08 14:09:29	523.54	1229.88	1074.38	1186.34		4014.14
08/20/08 14:09:34	522.06	1232.71	1072.03	1187.79		4014.59
08/20/08 14:09:39	508.49	1240.62	1075.31	1187.79		4012.21
08/20/08 14:09:44	506.71	1247.85	1073.91	1185.62		4014.09
08/20/08 14:09:49	522.36	1250.97	1075.78	1185.62		4034.73
08/20/08 14:09:54	510.68	1233.69	1074.84	1184.17		4003.39
08/20/08 14:09:59	516.73	1242.38	1070.63	1183.45		4013.18
08/20/08 14:10:04	514.00	1229.00	1072.97	1182.73		3998.70
08/20/08 14:10:09	513.29	1246.09	1071.09	1180.56		4011.03
08/20/08 14:10:14	510.15	1229.58	1070.16	1182.00		3991.89
08/20/08 14:10:19	507.96	1233.59	1072.50	1183.45		3997.50
08/20/08 14:10:24	520.70	1236.32	1071.56	1187.79		4016.37
08/20/08 14:10:29	522.59	1228.51	1070.16	1184.17		4005.43
08/20/08 14:10:34	510.57	1237.40	1071.09	1183.45		4002.51
08/20/08 14:10:39	528.22	1249.21	1073.44	1185.62		4036.49
08/20/08 14:10:44	507.96	1251.17	1073.44	1185.62		4018.18
08/20/08 14:10:49	511.22	1243.94	1073.44	1185.62		4014.21
08/20/08 14:10:54	512.40	1249.90	1074.84	1184.17		4021.32
08/20/08 14:10:59	497.47	1240.82	1072.50	1190.68		4001.47
08/20/08 14:11:04	513.11	1256.15	1071.56	1189.24		4030.06
08/20/08 14:11:09	525.85	1216.60	1071.09	1187.79		4001.33
08/20/08 14:11:14	515.07	1216.40	1072.50	1189.24		3993.21
08/20/08 14:11:19	513.59	1243.35	1072.50	1187.07		4016.51
08/20/08 14:11:24	524.19	1241.30	1074.38	1189.96		4029.83
08/20/08 14:11:29	506.06	1242.67	1072.03	1189.24		4010.00
08/20/08 14:11:34	522.77	1244.62	1072.97	1190.68		4031.05
08/20/08 14:11:39	513.23	1236.62	1073.44	1190.68		4013.97
08/20/08 14:11:44	519.93	1216.60	1072.97	1187.79		3997.28
08/20/08 14:11:49	516.55	1240.42	1073.44	1185.62		4016.03
08/20/08 14:11:54	511.99	1264.45	1073.91	1182.73		4033.07
08/20/08 14:11:59	510.74	1247.16	1075.78	1184.17		4017.86
08/20/08 14:12:04	504.94	1228.41	1073.44	1186.34		3993.13
08/20/08 14:12:09	500.43	1234.37	1071.09	1186.34		3992.24
08/20/08 14:12:14	513.65	1235.44	1070.63	1187.79		4007.51
08/20/08 14:12:19	522.83	1222.55	1072.50	1187.79		4005.67
08/20/08 14:12:24	507.25	1216.89	1076.72	1187.79		3988.64
08/20/08 14:12:29	517.50	1213.76	1073.44	1187.79		3992.49
08/20/08 14:12:34	517.14	1228.90	1072.03	1189.96		4008.03
08/20/08 14:12:39	515.60	1194.62	1072.50	1189.96		3972.69
08/20/08 14:12:44	514.89	1233.69	1072.97	1190.68		4012.23

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:12:49	513.47	1238.57	1074.38	1187.79		4014.20
08/20/08 14:12:54	507.60	1258.10	1077.19	1189.24		4032.13
08/20/08 14:12:59	508.49	1230.56	1079.06	1187.79		4005.90
08/20/08 14:13:04	513.59	1229.58	1078.59	1189.96		4011.73
08/20/08 14:13:09	514.59	1220.99	1078.13	1190.68		4004.39
08/20/08 14:13:14	502.80	1213.28	1073.91	1190.68		3980.67
08/20/08 14:13:19	506.60	1203.90	1071.56	1189.96		3972.02
08/20/08 14:13:24	509.85	1221.87	1072.97	1189.24		3993.93
08/20/08 14:13:29	514.36	1228.41	1072.50	1189.24		4004.51
08/20/08 14:13:34	519.45	1218.35	1073.44	1189.96		4001.21
08/20/08 14:13:39	510.15	1208.39	1075.78	1190.68		3985.01
08/20/08 14:13:44	507.31	1207.61	1075.78	1190.68		3981.38
08/20/08 14:13:49	514.54	1230.56	1074.84	1187.79		4007.73
08/20/08 14:13:54	523.96	1238.86	1072.03	1187.79		4022.64
08/20/08 14:13:59	522.18	1240.23	1076.72	1187.07		4026.19
08/20/08 14:14:04	510.21	1251.26	1074.84	1189.24		4025.55
08/20/08 14:14:09	513.41	1244.23	1074.84	1189.24		4021.72
08/20/08 14:14:14	514.59	1229.49	1074.84	1187.07		4005.99
08/20/08 14:14:19	503.40	1240.33	1077.66	1189.24		4010.61
08/20/08 14:14:24	517.14	1245.21	1073.91	1187.79		4024.05
08/20/08 14:14:29	512.70	1258.10	1074.38	1190.68		4035.86
08/20/08 14:14:34	520.94	1268.45	1073.44	1189.96		4052.78
08/20/08 14:14:39	508.14	1242.57	1072.97	1189.96		4013.64
08/20/08 14:14:44	511.93	1210.83	1075.31	1187.07		3985.14
08/20/08 14:14:49	506.00	1214.35	1073.91	1189.24		3983.50
08/20/08 14:14:54	518.27	1201.75	1072.50	1187.79		3980.31
08/20/08 14:14:59	515.25	1230.37	1073.44	1185.62		4004.67
08/20/08 14:15:04	505.47	1228.80	1075.31	1185.62		3995.20
08/20/08 14:15:09	514.12	1236.23	1078.13	1185.62		4014.09
08/20/08 14:15:14	516.08	1236.23	1079.53	1185.62		4017.45
08/20/08 14:15:19	497.94	1209.17	1079.53	1187.07		3973.72
08/20/08 14:15:24	517.08	1221.87	1072.03	1186.34		3997.33
08/20/08 14:15:29	510.74	1233.69	1077.66	1184.17		4006.26
08/20/08 14:15:34	505.71	1232.32	1077.66	1184.17		3999.85
08/20/08 14:15:39	520.58	1225.09	1075.31	1185.62		4006.60
08/20/08 14:15:44	519.04	1219.14	1070.63	1187.07		3995.87
08/20/08 14:15:49	509.62	1240.03	1073.91	1187.79		4011.35
08/20/08 14:15:54	517.20	1255.37	1073.44	1187.07		4033.07
08/20/08 14:15:59	521.47	1217.28	1074.84	1187.07		4000.66
08/20/08 14:16:04	508.14	1213.08	1074.38	1187.79		3983.38
08/20/08 14:16:09	525.44	1222.85	1074.38	1187.07		4009.73
08/20/08 14:16:14	509.62	1223.14	1075.31	1187.79		3995.86
08/20/08 14:16:19	521.41	1229.00	1072.50	1189.24		4012.14
08/20/08 14:16:24	515.07	1240.72	1073.91	1189.96		4019.65
08/20/08 14:16:29	528.16	1224.60	1077.66	1187.79		4018.21
08/20/08 14:16:34	517.38	1233.49	1076.72	1186.34		4013.93
08/20/08 14:16:39	512.94	1221.87	1075.31	1187.07		3997.18
08/20/08 14:16:44	513.29	1260.83	1076.72	1186.34		4037.19
08/20/08 14:16:49	514.89	1241.50	1075.78	1187.79		4019.96
08/20/08 14:16:54	515.72	1269.62	1076.72	1187.07		4049.13
08/20/08 14:16:59	506.06	1237.59	1076.25	1186.34		4006.25
08/20/08 14:17:04	512.17	1242.28	1075.78	1187.79		4018.02
08/20/08 14:17:09	509.97	1240.33	1072.50	1187.79		4010.59
08/20/08 14:17:14	511.22	1244.53	1072.03	1187.07		4014.84
08/20/08 14:17:19	516.02	1246.19	1075.31	1187.07		4024.58

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:17:24	514.18	1233.49	1074.84	1189.24		4011.75
08/20/08 14:17:29	510.15	1216.89	1075.31	1185.62		3987.97
08/20/08 14:17:34	505.82	1222.85	1074.84	1186.34		3989.86
08/20/08 14:17:39	518.09	1211.71	1073.91	1186.34		3990.05
08/20/08 14:17:44	506.06	1232.42	1078.59	1185.62		4002.69
08/20/08 14:17:49	517.85	1228.51	1073.44	1186.34		4006.14
08/20/08 14:17:54	510.57	1208.30	1072.50	1182.00		3973.36
08/20/08 14:17:59	511.63	1216.60	1069.22	1179.11		3976.56
08/20/08 14:18:04	506.89	1215.82	1073.91	1179.11		3975.72
08/20/08 14:18:09	507.84	1211.42	1076.25	1179.83		3975.34
08/20/08 14:18:14	515.07	1215.03	1077.66	1182.73		3990.49
08/20/08 14:18:19	511.10	1237.59	1073.91	1182.00		4004.60
08/20/08 14:18:24	506.36	1240.23	1074.84	1182.00		4003.43
08/20/08 14:18:29	507.66	1242.57	1071.09	1185.62		4006.95
08/20/08 14:18:34	508.37	1252.24	1071.09	1182.00		4013.71
08/20/08 14:18:39	511.45	1227.63	1074.38	1182.00		3995.46
08/20/08 14:18:44	521.05	1228.80	1076.25	1182.73		4008.83
08/20/08 14:18:49	511.04	1265.13	1075.78	1182.73		4034.68
08/20/08 14:18:54	510.03	1240.72	1074.84	1182.73		4008.32
08/20/08 14:18:59	513.65	1245.89	1074.84	1183.45		4017.83
08/20/08 14:19:04	513.59	1226.95	1074.38	1179.11		3994.02
08/20/08 14:19:09	503.93	1216.40	1074.84	1182.00		3977.18
08/20/08 14:19:14	509.08	1213.08	1075.31	1182.00		3979.48
08/20/08 14:19:19	523.72	1230.46	1073.44	1185.62		4013.24
08/20/08 14:19:24	520.52	1235.74	1069.69	1179.83		4005.78
08/20/08 14:19:29	511.93	1265.13	1073.91	1178.39		4029.35
08/20/08 14:19:34	507.42	1240.33	1075.31	1176.94		4000.00
08/20/08 14:19:39	512.22	1230.56	1077.19	1179.11		3999.08
08/20/08 14:19:44	515.90	1253.32	1073.91	1178.39		4021.51
08/20/08 14:19:49	519.39	1254.19	1072.50	1179.11		4025.20
08/20/08 14:19:54	521.71	1243.55	1072.03	1183.45		4020.74
08/20/08 14:19:59	524.19	1254.78	1070.63	1179.11		4028.71
08/20/08 14:20:04	529.53	1279.49	1073.44	1178.39		4060.84
08/20/08 14:20:09	504.58	1265.13	1073.44	1176.94		4020.09
08/20/08 14:20:14	522.24	1275.58	1076.25	1179.83		4053.90
08/20/08 14:20:19	516.97	1236.62	1078.13	1182.00		4013.71
08/20/08 14:20:24	498.95	1219.14	1078.59	1182.73		3979.41
08/20/08 14:20:29	512.58	1238.28	1077.66	1182.00		4010.52
08/20/08 14:20:34	517.56	1230.56	1074.38	1179.11		4001.60
08/20/08 14:20:39	518.45	1230.46	1075.78	1176.22		4000.91
08/20/08 14:20:44	531.13	1222.85	1075.31	1179.11		4008.40
08/20/08 14:20:49	527.81	1234.76	1076.72	1182.00		4021.29
08/20/08 14:20:54	520.58	1237.30	1074.38	1183.45		4015.70
08/20/08 14:20:59	514.12	1243.26	1072.50	1183.45		4013.33
08/20/08 14:21:04	529.65	1255.27	1069.69	1184.17		4038.77
08/20/08 14:21:09	522.42	1253.90	1071.09	1182.73		4030.14
08/20/08 14:21:14	527.39	1222.85	1072.97	1183.45		4006.66
08/20/08 14:21:19	523.78	1216.40	1072.97	1182.00		3995.15
08/20/08 14:21:24	516.43	1207.91	1072.03	1182.73		3979.09
08/20/08 14:21:29	524.55	1224.21	1072.03	1182.00		4002.80
08/20/08 14:21:34	516.91	1244.62	1073.44	1182.73		4017.69
08/20/08 14:21:39	513.77	1238.08	1070.63	1180.56		4003.03
08/20/08 14:21:44	517.74	1231.05	1074.38	1178.39		4001.55
08/20/08 14:21:49	512.22	1234.27	1073.91	1182.00		4002.41
08/20/08 14:21:54	524.49	1256.64	1072.97	1182.00		4036.10

	Well 3 Instant	Well 4 Instant	Well 5 Instant	Well 6 Instant	Combined Theoretical	Combined Actual
(Chart in tab below)	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow
08/20/08 14:21:59	520.58	1258.88	1074.38	1182.00		4035.84
08/20/08 14:22:04	506.54	1236.23	1071.56	1184.17		3998.50
08/20/08 14:22:09	517.56	1213.18	1072.97	1187.79		3991.49
08/20/08 14:22:14	518.62	1247.55	1076.72	1184.17		4027.07
08/20/08 14:22:19	526.68	1254.19	1077.19	1183.45		4041.51
08/20/08 14:22:24	525.26	1244.53	1072.97	1180.56		4023.31
08/20/08 14:22:29	510.21	1232.71	1073.44	1182.73		3999.08
08/20/08 14:22:34	514.95	1234.37	1073.91	1182.73		4005.95
08/20/08 14:22:39	518.27	1247.16	1073.91	1182.00		4021.34
08/20/08 14:22:44	528.64	1238.57	1071.56	1180.56		4019.33
08/20/08 14:22:49	517.50	1227.05	1074.84	1182.00		4001.39
08/20/08 14:22:54	505.17	1217.87	1071.56	1179.83		3974.43
08/20/08 14:22:59	519.99	1224.51	1071.56	1180.56		3996.61
08/20/08 14:23:04	524.49	1246.09	1070.16	1176.94		4017.67
08/20/08 14:23:09	510.15	1233.49	1072.03	1179.11		3994.78
08/20/08 14:23:14	514.95	1228.80	1072.03	1182.00		3997.79
08/20/08 14:23:19	517.38	1247.46	1073.91	1183.45		4022.19
08/20/08 14:23:24	526.86	1236.42	1073.91	1182.73		4019.91
08/20/08 14:23:28	513.05	1233.59	1074.84	1182.73		4004.21
08/20/08 14:23:33	518.51	1240.13	1074.84	1182.73		4016.21
08/20/08 14:23:38	531.90	1234.66	1075.78	1183.45		4025.79
08/20/08 14:23:43	519.99	1214.06	1071.56	1182.73		3988.33
08/20/08 14:23:48	524.31	1206.64	1072.97	1183.45		3987.37
08/20/08 14:23:53	518.03	1207.61	1075.78	1185.62		3987.04
08/20/08 14:23:58	519.99	1218.35	1073.44	1187.07		3998.85
08/20/08 14:24:03	530.77	1244.14	1073.44	1186.34		4034.69
08/20/08 14:24:08	507.60	1247.16	1073.44	1184.17		4012.38
08/20/08 14:24:13	513.77	1259.96	1074.38	1183.45		4031.55
08/20/08 14:24:18	508.14	1229.68	1072.50	1180.56		3990.87
08/20/08 14:24:23	519.34	1236.81	1071.09	1179.11		4006.35
08/20/08 14:24:28	516.55	1257.91	1069.22	1178.39		4022.06
08/20/08 14:24:33	527.22	1261.71	1070.16	1179.11		4038.20
08/20/08 14:24:38	516.02	1258.00	1075.31	1180.56		4029.89
08/20/08 14:24:43	515.07	1266.89	1073.44	1185.62		4041.02
08/20/08 14:24:48	521.41	1241.30	1072.97	1189.24		4024.92
08/20/08 14:24:53	515.90	1219.33	1075.78	1186.34		3997.35
08/20/08 14:24:58	516.37	1241.99	1072.50	1187.07		4017.93
08/20/08 14:25:03	516.02	1240.62	1072.50	1187.07		4016.20
08/20/08 14:25:08	511.93	1242.28	1073.91	1189.96		4018.07
08/20/08 14:25:13	505.65	1253.41	1070.16	1191.41		4020.62
08/20/08 14:25:18	514.12	1241.69	1071.09	1190.68		4017.59
08/20/08 14:25:23	512.52	1233.59	1073.44	1189.96		4009.51
08/20/08 14:25:28	512.22	1253.90	1074.38	1189.24		4029.74
08/20/08 14:25:33	511.57	1240.82	1071.09	1187.79		4011.27
08/20/08 14:25:38	513.11	1234.27	1072.97	1187.07		4007.42
08/20/08 14:25:43	512.17	1245.99	1071.09	1185.62		4014.87
08/20/08 14:25:48	508.55	1240.82	1071.09	1185.62		4006.08
08/20/08 14:25:53	514.42	1255.76	1077.66	1183.45		4031.28
08/20/08 14:25:58	515.60	1230.46	1078.13	1185.62		4009.81
08/20/08 14:26:03	514.95	1254.88	1077.66	1190.68		4038.17
08/20/08 14:26:08	515.42	1234.27	1074.38	1186.34		4010.41
08/20/08 14:26:13	523.13	1244.53	1073.44	1184.17		4025.26
08/20/08 14:26:18	517.91	1239.35	1074.84	1182.00		4014.11
08/20/08 14:26:23	517.38	1249.99	1074.84	1186.34		4028.56
08/20/08 14:26:28	529.82	1255.17	1067.81	1184.17		4036.98

	Well 3 Instant	Well 4 Instant	Well 5 Instant	Well 6 Instant	Combined Theoretical	Combined Actual
(Chart in tab below)	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow	Max Flow
08/20/08 14:26:33	535.10	1250.97	1071.09	1184.17		4041.34
08/20/08 14:26:38	513.94	1241.01	1072.50	1183.45		4010.90
08/20/08 14:26:43	514.18	1238.37	1072.03	1186.34		4010.93
08/20/08 14:26:48	512.76	1254.10	1071.56	1190.68		4029.10
08/20/08 14:26:53	507.48	1231.44	1075.31	1186.34		4000.58
08/20/08 14:26:58	517.08	1229.00	1074.84	1187.07		4007.99
08/20/08 14:27:03	511.45	1249.60	1075.31	1187.07		4023.44
08/20/08 14:27:08	508.49	1228.80	1072.03	1183.45		3992.78
08/20/08 14:27:13	524.19	1225.78	1074.84	1185.62		4010.43
08/20/08 14:27:18	511.10	1227.05	1075.31	1186.34		3999.80
08/20/08 14:27:23	516.19	1231.83	1077.19	1187.07		4012.28
08/20/08 14:27:28	517.74	1242.38	1073.91	1187.07		4021.09
08/20/08 14:27:33	514.18	1246.09	1072.97	1189.24		4022.47
08/20/08 14:27:38	527.63	1241.30	1070.63	1187.07		4026.63
08/20/08 14:27:43	522.06	1207.61	1072.97	1184.17		3986.82
08/20/08 14:27:48	523.42	1233.59	1072.97	1184.17		4014.15
08/20/08 14:27:53	512.76	1250.58	1074.38	1184.17		4021.89
08/20/08 14:27:58	517.56	1254.88	1078.13	1182.00		4032.56
08/20/08 14:28:03	505.65	1228.90	1077.19	1180.56		3992.29
08/20/08 14:28:08	523.72	1222.16	1074.84	1184.17		4004.90
08/20/08 14:28:13	519.99	1208.30	1074.84	1184.17		3987.30
08/20/08 14:28:18	518.62	1238.57	1076.72	1186.34		4020.26
08/20/08 14:28:23	530.95	1229.88	1073.44	1187.07		4021.33
08/20/08 14:28:28	523.60	1222.65	1073.91	1185.62		4005.78
08/20/08 14:28:33	507.25	1226.17	1073.44	1182.73		3989.58
08/20/08 14:28:38	519.16	1226.17	1074.38	1182.73		4002.43
08/20/08 14:28:43	515.66	1240.72	1072.50	1185.62		4014.50
08/20/08 14:28:48	517.56	1251.17	1074.38	1183.45		4026.55
08/20/08 14:28:53	509.79	1234.37	1076.25	1179.11		3999.52
08/20/08 14:28:58	515.60	1222.85	1074.84	1178.39		3991.68
08/20/08 14:29:03	518.21	1210.44	1071.56	1179.11		3979.33
08/20/08 14:29:08	518.51	1231.05	1073.91	1179.11		4002.57
08/20/08 14:29:13	516.91	1233.59	1073.44	1179.11		4003.04
08/20/08 14:29:18	516.61	1242.96	1072.50	1178.39		4010.46
08/20/08 14:29:23	518.45	1240.23	1074.84	1180.56		4014.08
08/20/08 14:29:28	510.74	1229.29	1073.44	1182.73		3996.20
08/20/08 14:29:33	519.99	1245.60	1072.50	1182.00		4020.09
08/20/08 14:29:38	513.29	1234.27	1070.16	1182.73		4000.45
08/20/08 14:29:43	522.06	1216.99	1074.84	1182.00		3995.89
08/20/08 14:29:48	516.02	1222.55	1072.03	1182.73		3993.33
08/20/08 14:29:53	514.18	1229.00	1071.09	1182.73		3997.00
08/20/08 14:29:58	528.64	1245.99	1068.28	1182.00		4024.91
08/20/08 14:30:03	512.11	1254.39	1069.22	1179.83		4015.55
08/20/08 14:30:08	521.11	1246.97	1072.03	1179.11		4019.22
08/20/08 14:30:13	518.09	1246.97	1072.50	1178.39		4015.94
08/20/08 14:30:18	514.00	1243.55	1072.50	1178.39		4008.44
08/20/08 14:30:23	519.22	1228.71	1073.44	1179.83		4001.19
08/20/08 14:30:28	519.99	1216.40	1076.25	1179.11		3991.75
08/20/08 14:30:33	514.18	1225.00	1077.19	1176.94		3993.30
08/20/08 14:30:38	508.49	1231.54	1076.72	1176.22		3992.96
08/20/08 14:30:43	511.28	1221.77	1072.03	1174.77		3979.85
08/20/08 14:30:48	514.00	1211.13	1070.16	1173.32		3968.61
08/20/08 14:30:53	519.57	1233.39	1069.22	1173.32		3995.51
08/20/08 14:30:58	522.24	1256.83	1071.56	1173.32		4023.95
08/20/08 14:31:03	513.77	1234.37	1070.16	1174.77		3993.06

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:31:08	510.51	1230.46	1078.13	1173.32		3992.42
08/20/08 14:31:13	520.76	1228.80	1074.84	1173.32		3997.73
08/20/08 14:31:18	510.92	1230.56	1070.16	1172.60		3984.24
08/20/08 14:31:23	518.21	1230.85	1072.03	1173.32		3994.42
08/20/08 14:31:28	511.04	1242.38	1072.03	1175.49		4000.94
08/20/08 14:31:33	517.68	1242.67	1072.50	1174.77		4007.62
08/20/08 14:31:38	515.31	1242.57	1072.50	1178.39		4008.76
08/20/08 14:31:43	515.25	1238.28	1072.50	1179.83		4005.86
08/20/08 14:31:48	515.90	1226.85	1074.38	1176.22		3993.34
08/20/08 14:31:53	526.45	1231.44	1071.56	1176.94		4006.39
08/20/08 14:31:58	518.51	1230.56	1072.50	1178.39		3999.95
08/20/08 14:32:03	514.95	1231.54	1073.91	1179.83		4000.23
08/20/08 14:32:08	518.21	1211.42	1077.19	1179.11		3985.93
08/20/08 14:32:13	510.86	1202.14	1076.25	1179.83		3969.09
08/20/08 14:32:18	515.90	1194.33	1074.38	1182.00		3966.61
08/20/08 14:32:23	522.00	1192.28	1070.63	1182.00		3966.91
08/20/08 14:32:28	525.50	1222.94	1071.09	1179.83		3999.37
08/20/08 14:32:33	511.28	1227.14	1076.25	1179.83		3994.50
08/20/08 14:32:38	526.86	1247.46	1081.41	1180.56		4036.28
08/20/08 14:32:43	527.81	1253.51	1075.31	1179.83		4036.46
08/20/08 14:32:48	514.89	1257.42	1073.91	1182.00		4028.22
08/20/08 14:32:53	519.34	1228.90	1073.91	1179.11		4001.25
08/20/08 14:32:58	523.54	1235.15	1072.97	1179.83		4011.50
08/20/08 14:33:03	518.98	1243.65	1072.03	1179.11		4013.77
08/20/08 14:33:08	515.13	1255.07	1072.97	1179.11		4022.28
08/20/08 14:33:13	517.91	1264.94	1072.50	1182.00		4037.35
08/20/08 14:33:18	515.60	1279.10	1071.56	1182.73		4048.99
08/20/08 14:33:23	510.03	1279.49	1071.56	1182.73		4043.81
08/20/08 14:33:28	523.25	1273.04	1072.50	1182.00		4050.79
08/20/08 14:33:33	514.59	1256.64	1069.69	1179.11		4020.03
08/20/08 14:33:38	521.11	1253.90	1069.22	1179.83		4024.07
08/20/08 14:33:43	513.47	1265.72	1075.78	1180.56		4035.52
08/20/08 14:33:48	513.41	1238.57	1073.44	1180.56		4005.97
08/20/08 14:33:53	516.37	1238.28	1074.38	1179.11		4008.13
08/20/08 14:33:58	524.67	1233.59	1074.38	1178.39		4011.02
08/20/08 14:34:03	516.02	1232.22	1072.03	1176.22		3996.49
08/20/08 14:34:08	513.94	1229.29	1073.44	1176.22		3992.89
08/20/08 14:34:13	520.70	1228.90	1077.19	1176.22		4003.00
08/20/08 14:34:18	518.86	1230.46	1076.72	1176.94		4002.98
08/20/08 14:34:23	513.23	1249.41	1074.38	1178.39		4015.40
08/20/08 14:34:28	506.54	1230.27	1071.56	1182.00		3990.37
08/20/08 14:34:33	508.37	1241.11	1074.38	1182.73		4006.58
08/20/08 14:34:38	512.58	1222.16	1074.38	1183.45		3992.57
08/20/08 14:34:43	503.51	1221.67	1071.56	1182.00		3978.75
08/20/08 14:34:48	518.09	1231.54	1072.03	1182.00		4003.66
08/20/08 14:34:53	518.62	1239.55	1073.91	1182.00		4014.08
08/20/08 14:34:58	517.85	1237.40	1074.38	1179.11		4008.74
08/20/08 14:35:03	514.18	1214.45	1072.03	1180.56		3981.22
08/20/08 14:35:08	514.77	1233.39	1072.03	1178.39		3998.58
08/20/08 14:35:13	526.86	1246.87	1071.09	1178.39		4023.21
08/20/08 14:35:18	499.72	1245.60	1069.69	1179.11		3994.12
08/20/08 14:35:23	510.57	1245.89	1069.69	1176.22		4002.36
08/20/08 14:35:28	507.96	1239.16	1072.50	1179.11		3998.72
08/20/08 14:35:33	515.66	1206.34	1070.16	1176.94		3969.10
08/20/08 14:35:38	514.71	1213.96	1071.09	1176.22		3975.98

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:35:43	517.14	1234.27	1073.44	1176.22		4001.07
08/20/08 14:35:48	518.45	1228.12	1074.84	1179.11		4000.52
08/20/08 14:35:53	515.90	1224.90	1075.31	1176.22		3992.32
08/20/08 14:35:58	502.80	1206.44	1075.31	1176.22		3960.77
08/20/08 14:36:03	524.14	1247.85	1075.31	1176.94		4024.23
08/20/08 14:36:08	518.62	1228.41	1073.44	1179.11		3999.58
08/20/08 14:36:13	519.04	1224.80	1069.22	1179.83		3992.89
08/20/08 14:36:18	511.04	1240.03	1069.69	1179.11		3999.87
08/20/08 14:36:23	507.31	1250.87	1072.97	1179.83		4010.98
08/20/08 14:36:28	513.05	1218.26	1072.03	1182.00		3985.34
08/20/08 14:36:33	521.41	1223.53	1070.63	1182.00		3997.57
08/20/08 14:36:38	520.11	1237.59	1073.44	1182.73		4013.86
08/20/08 14:36:43	508.20	1255.17	1075.31	1183.45		4022.13
08/20/08 14:36:48	516.19	1243.55	1077.66	1182.73		4020.13
08/20/08 14:36:53	512.22	1253.80	1074.38	1183.45		4023.85
08/20/08 14:36:58	520.94	1240.33	1072.03	1182.00		4015.30
08/20/08 14:37:03	517.68	1226.36	1072.97	1182.00		3999.01
08/20/08 14:37:08	524.31	1221.67	1073.91	1182.73		4002.62
08/20/08 14:37:13	517.56	1206.44	1074.38	1185.62		3983.99
08/20/08 14:37:18	516.08	1225.09	1073.91	1182.73		3997.80
08/20/08 14:37:23	521.88	1229.49	1072.50	1187.07		4010.94
08/20/08 14:37:28	509.50	1240.33	1074.38	1186.34		4010.54
08/20/08 14:37:33	512.40	1228.02	1074.38	1183.45		3998.25
08/20/08 14:37:38	526.03	1230.56	1072.50	1182.00		4011.10
08/20/08 14:37:43	509.38	1244.23	1074.84	1183.45		4011.91
08/20/08 14:37:48	525.62	1273.04	1072.03	1182.73		4053.42
08/20/08 14:37:53	516.97	1258.00	1070.16	1182.00		4027.13
08/20/08 14:37:58	516.19	1261.03	1073.91	1182.00		4033.13
08/20/08 14:38:03	516.55	1253.90	1078.13	1182.00		4030.58
08/20/08 14:38:08	515.07	1260.54	1077.66	1179.11		4032.38
08/20/08 14:38:13	524.31	1255.17	1070.16	1178.39		4028.03
08/20/08 14:38:18	507.96	1227.53	1072.97	1176.22		3984.68
08/20/08 14:38:23	515.25	1238.57	1071.56	1176.94		4002.32
08/20/08 14:38:28	506.95	1235.15	1069.22	1179.11		3990.43
08/20/08 14:38:33	511.57	1212.50	1068.75	1179.11		3971.93
08/20/08 14:38:38	516.79	1245.99	1072.97	1176.22		4011.96
08/20/08 14:38:43	507.66	1266.69	1075.78	1176.22		4026.35
08/20/08 14:38:48	519.04	1255.27	1077.66	1174.77		4026.73
08/20/08 14:38:53	510.57	1253.32	1072.03	1176.22		4012.13
08/20/08 14:38:58	509.44	1227.05	1069.69	1175.49		3981.66
08/20/08 14:39:03	518.62	1216.30	1070.16	1176.22		3981.30
08/20/08 14:39:08	510.57	1224.41	1071.09	1179.83		3985.90
08/20/08 14:39:13	516.37	1237.40	1071.56	1179.11		4004.44
08/20/08 14:39:18	512.11	1237.30	1073.44	1178.39		4001.23
08/20/08 14:39:23	507.42	1230.56	1073.44	1179.11		3990.53
08/20/08 14:39:28	515.66	1218.35	1071.56	1175.49		3981.07
08/20/08 14:39:33	518.27	1233.39	1072.97	1172.60		3997.23
08/20/08 14:39:38	505.53	1207.81	1072.03	1172.60		3957.97
08/20/08 14:39:43	512.34	1217.08	1074.84	1178.39		3982.66
08/20/08 14:39:48	516.08	1250.97	1073.91	1176.22		4017.17
08/20/08 14:39:53	516.55	1237.50	1070.16	1176.94		4001.14
08/20/08 14:39:58	515.60	1244.33	1068.75	1183.45		4012.13
08/20/08 14:40:03	513.59	1250.48	1068.75	1184.17		4016.99
08/20/08 14:40:08	521.71	1255.85	1068.28	1185.62		4031.46
08/20/08 14:40:13	515.25	1245.50	1070.16	1183.45		4014.35

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:40:18	519.45	1246.87	1071.56	1183.45		4021.34
08/20/08 14:40:23	517.91	1226.95	1071.56	1180.56		3996.98
08/20/08 14:40:28	522.24	1223.24	1072.50	1178.39		3996.36
08/20/08 14:40:33	509.20	1200.00	1070.63	1179.11		3958.93
08/20/08 14:40:38	521.23	1215.91	1069.69	1179.11		3985.94
08/20/08 14:40:43	513.05	1229.00	1068.75	1178.39		3989.19
08/20/08 14:40:48	525.62	1250.87	1069.22	1190.68		4036.39
08/20/08 14:40:53	507.31	1234.27	1070.16	1183.45		3995.18
08/20/08 14:40:58	516.25	1216.99	1069.69	1169.70		3972.63
08/20/08 14:41:03	509.68	1231.44	1070.16	1173.32		3984.59
08/20/08 14:41:08	517.50	1235.54	1073.44	1176.22		4002.69
08/20/08 14:41:13	516.37	1241.69	1071.09	1176.22		4005.38
08/20/08 14:41:18	505.29	1228.71	1073.44	1176.22		3983.65
08/20/08 14:41:23	506.42	1240.42	1070.16	1182.73		3999.72
08/20/08 14:41:28	511.63	1246.28	1071.09	1184.17		4013.18
08/20/08 14:41:33	513.23	1232.22	1072.03	1187.79		4005.27
08/20/08 14:41:38	508.73	1220.21	1075.78	1182.00		3986.72
08/20/08 14:41:43	515.13	1222.85	1073.44	1176.94		3988.35
08/20/08 14:41:48	509.79	1242.28	1072.50	1176.22		4000.79
08/20/08 14:41:53	502.27	1245.99	1072.97	1180.56		4001.78
08/20/08 14:41:58	524.14	1254.00	1072.97	1178.39		4029.49
08/20/08 14:42:03	505.35	1240.42	1070.63	1175.49		3991.89
08/20/08 14:42:08	515.72	1222.85	1072.50	1175.49		3986.56
08/20/08 14:42:13	504.28	1234.66	1073.91	1173.32		3986.18
08/20/08 14:42:18	518.09	1230.46	1073.91	1173.32		3995.78
08/20/08 14:42:23	510.39	1229.00	1074.38	1175.49		3989.25
08/20/08 14:42:28	519.16	1231.44	1072.03	1176.22		3998.84
08/20/08 14:42:33	518.27	1236.62	1075.31	1175.49		4005.69
08/20/08 14:42:38	512.34	1239.74	1072.03	1173.32		3997.44
08/20/08 14:42:43	511.22	1242.38	1069.69	1173.32		3996.60
08/20/08 14:42:48	511.28	1231.73	1069.69	1174.77		3987.47
08/20/08 14:42:53	518.09	1240.72	1072.97	1178.39		4010.16
08/20/08 14:42:58	524.31	1255.17	1073.91	1180.56		4033.95
08/20/08 14:43:03	514.54	1229.88	1072.50	1176.94		3993.85
08/20/08 14:43:08	502.15	1189.45	1071.09	1178.39		3941.08
08/20/08 14:43:13	514.77	1206.05	1074.84	1179.83		3975.50
08/20/08 14:43:18	512.94	1203.41	1074.38	1182.00		3972.73
08/20/08 14:43:23	515.84	1212.98	1074.38	1186.34		3989.54
08/20/08 14:43:28	514.89	1230.46	1075.78	1182.73		4003.86
08/20/08 14:43:33	516.02	1216.69	1072.03	1182.73		3987.47
08/20/08 14:43:38	511.10	1245.99	1073.91	1179.11		4010.10
08/20/08 14:43:43	516.19	1246.19	1070.63	1182.73		4015.73
08/20/08 14:43:48	514.42	1237.50	1072.03	1179.83		4003.78
08/20/08 14:43:53	504.64	1214.06	1069.22	1182.00		3969.92
08/20/08 14:43:58	513.94	1202.14	1071.56	1180.56		3968.20
08/20/08 14:44:03	507.25	1207.03	1072.97	1179.83		3967.07
08/20/08 14:44:08	525.14	1224.60	1069.22	1182.00		4000.97
08/20/08 14:44:13	513.47	1223.04	1070.63	1183.45		3990.59
08/20/08 14:44:18	516.79	1253.80	1071.09	1184.17		4025.86
08/20/08 14:44:23	517.85	1245.99	1068.75	1182.73		4015.32
08/20/08 14:44:28	512.11	1256.05	1070.63	1182.00		4020.78
08/20/08 14:44:33	512.88	1221.67	1072.97	1182.00		3989.52
08/20/08 14:44:38	516.37	1231.54	1072.50	1179.83		4000.24
08/20/08 14:44:43	511.57	1200.58	1073.44	1183.45		3969.04
08/20/08 14:44:48	509.50	1184.76	1072.03	1180.56		3946.85

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:44:53	527.22	1211.42	1068.75	1179.83		3987.22
08/20/08 14:44:58	512.70	1205.66	1071.09	1182.00		3971.45
08/20/08 14:45:03	506.77	1220.31	1071.09	1180.56		3978.73
08/20/08 14:45:08	523.72	1246.97	1070.16	1182.00		4022.85
08/20/08 14:45:13	513.29	1255.17	1070.63	1180.56		4019.64
08/20/08 14:45:18	518.86	1255.17	1074.38	1176.22		4024.62
08/20/08 14:45:23	519.16	1242.38	1072.03	1179.11		4012.68
08/20/08 14:45:28	510.21	1255.27	1071.56	1176.22		4013.26
08/20/08 14:45:33	506.95	1230.46	1069.69	1178.39		3985.49
08/20/08 14:45:38	508.85	1231.54	1074.84	1182.00		3997.23
08/20/08 14:45:43	511.39	1216.99	1072.97	1178.39		3979.74
08/20/08 14:45:48	518.62	1248.24	1071.56	1176.94		4015.36
08/20/08 14:45:53	509.68	1220.21	1073.91	1176.22		3980.01
08/20/08 14:45:58	521.23	1225.58	1071.09	1174.77		3992.68
08/20/08 14:46:03	524.91	1241.11	1069.22	1174.77		4010.00
08/20/08 14:46:08	513.05	1224.90	1071.09	1175.49		3984.54
08/20/08 14:46:13	515.60	1230.46	1074.84	1178.39		3999.30
08/20/08 14:46:18	504.05	1218.26	1073.44	1176.22		3971.96
08/20/08 14:46:23	504.40	1234.96	1074.38	1176.22		3989.95
08/20/08 14:46:28	511.93	1255.07	1073.91	1176.22		4017.12
08/20/08 14:46:33	510.21	1229.49	1074.38	1176.22		3990.29
08/20/08 14:46:38	515.66	1227.73	1069.22	1174.77		3987.38
08/20/08 14:46:43	502.80	1240.62	1073.44	1176.22		3993.08
08/20/08 14:46:48	516.73	1233.59	1073.91	1179.83		4004.06
08/20/08 14:46:53	510.74	1213.86	1072.97	1179.83		3977.41
08/20/08 14:46:58	515.90	1206.34	1072.50	1178.39		3973.13
08/20/08 14:47:03	503.22	1236.13	1072.50	1179.11		3990.95
08/20/08 14:47:08	508.67	1258.78	1069.69	1179.11		4016.25
08/20/08 14:47:13	504.64	1252.05	1067.34	1178.39		4002.41
08/20/08 14:47:18	521.88	1234.76	1068.28	1175.49		4000.42
08/20/08 14:47:23	521.88	1240.62	1071.56	1176.94		4011.00
08/20/08 14:47:28	512.58	1243.45	1073.44	1178.39		4007.85
08/20/08 14:47:33	502.27	1243.55	1073.91	1179.11		3998.83
08/20/08 14:47:38	511.99	1242.38	1072.03	1179.11		4005.51
08/20/08 14:47:43	513.23	1238.86	1073.91	1179.11		4005.11
08/20/08 14:47:48	511.81	1221.67	1073.91	1180.56		3987.95
08/20/08 14:47:53	504.46	1255.85	1071.09	1182.00		4013.41
08/20/08 14:47:58	517.08	1250.87	1070.16	1182.00		4020.12
08/20/08 14:48:03	518.21	1223.14	1071.56	1180.56		3993.47
08/20/08 14:48:08	524.37	1219.62	1070.63	1179.11		3993.73
08/20/08 14:48:13	518.09	1233.59	1074.38	1178.39		4004.44
08/20/08 14:48:18	510.86	1218.35	1070.63	1178.39		3978.23
08/20/08 14:48:23	510.03	1216.69	1065.94	1179.11		3971.77
08/20/08 14:48:28	509.20	1223.04	1069.22	1176.94		3978.40
08/20/08 14:48:33	530.18	1224.12	1070.16	1179.11		4003.56
08/20/08 14:48:38	508.49	1252.53	1074.38	1178.39		4013.79
08/20/08 14:48:43	511.99	1259.57	1073.91	1179.11		4024.57
08/20/08 14:48:48	519.16	1241.11	1070.16	1179.11		4009.53
08/20/08 14:48:53	507.66	1237.50	1072.50	1180.56		3998.21
08/20/08 14:48:58	506.06	1233.59	1072.03	1179.83		3991.51
08/20/08 14:49:03	510.21	1231.44	1070.63	1179.83		3992.11
08/20/08 14:49:08	521.11	1249.21	1070.63	1182.00		4022.95
08/20/08 14:49:13	516.25	1256.73	1070.63	1180.56		4024.17
08/20/08 14:49:18	511.28	1230.46	1073.91	1182.73		3998.37
08/20/08 14:49:23	504.22	1230.37	1071.09	1182.00		3987.69

(Chart in tab below)	Well 3 Instant Max Flow	Well 4 Instant Max Flow	Well 5 Instant Max Flow	Well 6 Instant Max Flow	Combined Theoretical Max Flow	Combined Actual Max Flow
08/20/08 14:49:28	511.39	1233.49	1071.56	1180.56		3997.00
08/20/08 14:49:33	507.48	1242.38	1072.03	1179.11		4001.00
08/20/08 14:49:38	508.55	1241.50	1070.63	1180.56		4001.23
08/20/08 14:49:43	507.60	1213.08	1071.09	1179.83		3971.61
08/20/08 14:49:48	513.11	1216.60	1068.28	1179.11		3977.10
08/20/08 14:49:53	518.09	1235.15	1071.09	1179.11		4003.44
08/20/08 14:49:58	512.88	1253.32	1071.56	1180.56		4018.31
08/20/08 14:50:03	528.34	1216.60	1071.09	1179.11		3995.14
08/20/08 14:50:08	520.28	1236.42	1071.09	1178.39		4006.18
08/20/08 14:50:13	505.65	1246.58	1069.69	1179.11		4001.02
08/20/08 14:50:18	510.21	1249.21	1074.38	1180.56		4014.35
08/20/08 14:50:23	502.27	1255.17	1076.25	1179.11		4012.80
08/20/08 14:50:28	511.63	1260.54	1074.84	1182.00		4029.02
08/20/08 14:50:33	518.09	1259.08	1069.69	1179.11		4025.96

1 hour avg 13:50-14:50	515.12	1234.70	1073.96	1183.38		4007.16
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