

**9. SAFETY FACTORS.**

The following safety factors were taken into consideration in the design of the roadway:

- a) Road width
- b) Shoulder width
- c) Sight distance
- d) Vertical and horizontal alignment

**10. DUST CONTROL PLAN.**

The dust control plan is described under **Exhibit D**, Grading Plan and Dust Control Plan by Norman C. Whitehead, P.E.

**11. ROAD CONSTRUCTION INSPECTION AND TESTING PLAN.**

The public roadway system was designed in compliance with Gunnison County standards. The public roadway will be inspected by the Gunnison County Public Works Department prior to acceptance for maintenance.

**12. SOURCE OF MATERIAL/RECLAMATION PLAN.**

The roadway base of class 6 aggregate base course (ABC) will be hauled to the site for the roadway construction. Fill dirt required for the roadway will be generated on-site from areas within the property and/or from the Valco gravel pit adjacent to Riverland Industrial Park. All areas disturbed during roadway and utility construction shall be seeded in order to reduce erosion and restore stability to fill slopes.

**13. WATER SUPPLY PLAN.**

Refer to **Exhibit I**, Whetstone Park Water Supply Plan dated 10/4/06 by Tyler Martineau, P.E., and **Exhibit J**, letter dated September 25, 2006 by water attorney John H. McClow and Upper Gunnison River Water Conservancy District Agreement dated 8/4/05.

**a. CENTRAL WATER SYSTEM REPORT.**

**1. ESTIMATED GALLONS PER DAY.**

**a) ESTIMATED AVERAGE DAILY RESIDENTIAL DEMAND.**

The average daily potable water demand for Whetstone Park's residential uses is 8,050 gallons per day (0.0247 acre-feet per day).

**b) ESTIMATED MAXIMUM DAILY RESIDENTIAL DEMAND.**

The maximum daily potable demand figured at three times the average daily rate will be 24,150 gallons per day (0.0741 acre-feet per day).

**c) ESTIMATED PEAK HOUR DEMAND.**

The peak hourly demand figured at six times the average daily demand rate will be 2,013 gallons per hour (33.5 gallons per minute).

**d) ESTIMATED AVERAGE DAILY DEMAND FOR COMMERCIAL/INDUSTRIAL USES.**

Average daily commercial industrial demand is 4,725 gallons per day.

**2. HYDRAULIC ANALYSIS.**

The water supply system shall provide a delivery pressure of 60 psi at all lots.

**3. CAPACITY FOR COLLECTION, PURIFICATION AND DISTRIBUTION.**

Water purification will be via water chlorination at the well house and shall meet all applicable state regulations for water quality.

#### **4. WATER STORAGE.**

Potable water will be stored in a 50,000 gallon underground tank to be located on the site (refer to Site Plan, **Exhibit H**, for location).

#### **b. POTABLE WATER DEMAND CRITERIA.**

Total central water system demand will be the sum of domestic in-house demand and commercial/industrial demand.

Total average daily demand = 8,050 gpd + 4,725 gpd = 12,775 gpd = 8.9 gpm

Total maximum daily demand = 12,775 gpd X 3 = 38,325 gpd = 26.6 gpm

Total peak hour demand = 12,775 gpd X 6 = 76,650 gpd = 53.2 gpm

#### **c. WATER SUFFICIENT FOR LANDSCAPING.**

##### **1. IRRIGATION WATER CRITERIA.**

##### **a) ESTIMATED ACREAGE.**

The irrigation need at Whetstone Park has been calculated at 18,600 square feet of irrigated lawn and landscape area (0.427 acres).

##### **b) ESTIMATED DEMAND.**

Using a unit consumptive use of 1.33 acre-feet per acre and an 80 percent irrigation efficiency, the resulting demand is 1.66 acre-feet. The diversion of 0.709 acre-feet is therefore sufficient to satisfy the full irrigation requirement for this development. For additional information, refer to Exhibit I.

**d. FIRE PREVENTION AND FIRE SUPPRESSION.**

The water supply for fire prevention and fire suppression will be drawn from the pond constructed on the property, pressurized through pumps, and delivered through the non-potable water distribution system to fire hydrants located within the project. The pond will be filled annually from the gallery well during the late spring when there is no call on the river to provide stored water for this purpose.

Required fire flow is 1750 gpm.

Required fire storage is equal to 2 hours X 1750 gpm = 210,000 gallons.

The pond will provide 865,000 gallons of storage, allocated as follows:

	Cumulative	
<u>Pond Storage</u>	<u>Gallons</u>	<u>Gallons</u>
Dead pool	90,000	90,000
Fire storage	210,000	300,000
Irrigation	65,000	365,000
Evaporation	300,000	665,000
Stormwater detention	200,000	865,000

Total pond capacity is 1,100,000 gallons.

Plans and specifications for the non-potable fire suppression/irrigation system are attached in Exhibit D.

**e. EVIDENCE FOR SURFACE WATER RIGHT.**

Not Applicable. Domestic in-house demand, commercial/industrial demand, irrigation demand, and fire storage will all be supplied from groundwater.

**1. DIVERSION RECORDS.**

N.A.

**2. ENGINEER'S REPORT.**

N.A.

**3. ATTORNEY'S LETTER.**

Refer to **Exhibit J** prepared by John H. McClow, Esq. dated September 25, 2006.

**4. COURT DECREES.**

N.A.

**5. BINDING AGREEMENTS.**

N.A.

**6. APPLICATION FOR CHANGE IN WATER RIGHTS.**

N.A.

**f. WELL TESTING RESULTS.**

Whetstone Park will be served by a central water system, supplied by applicant and operation by the property owners' association.

**13. SEWAGE DISPOSAL/WASTEWATER TREATMENT.**

**a. WASTEWATER TREATMENT SYSTEM.**

**1. ESTIMATED DEMAND.**

Estimated average demand is 12,775 gallons per day based on 350 gallons per day per residence and 4,725 gallons for non-residential uses. The maximum daily demand figured at three times the average daily rate will be 38,325 gallons per day (.1176 acre-feet per day). The peak hourly demand figured at six times the average daily demand rate will be 3,194 gallons per hour (53.2 gallons per minute).

## WHETSTONE PARK WATER SUPPLY PLAN

### a. CENTRAL WATER SYSTEM REPORT

The potable water supply for domestic in-house use, office, retail, and warehouse uses in the proposed project will be provided by a newly constructed community water system. The source of water will be groundwater tributary to the Slate River. Water will be pumped from an on-site well for treatment, storage, and distribution. Depletions from the Slate River will be augmented with Meridian Lake water purchased from the Upper Gunnison River Water Conservancy District.

#### 1. Estimated Gallons per Day

An estimate of the total number of gallons of water per day necessary to supply Whetstone Park is provided below.

##### Estimated Average Daily Demand

Twenty three single family dwellings are planned for the project. Daily in-house use is assumed to be 350 gallons per day per dwelling unit. The water supply will be designed for full occupancy throughout the year. Average daily demand for the project will be 350 gpd per dwelling X 23 dwellings = 8,050 gpd.

##### Estimated Maximum Daily Demand

Maximum daily in-house residential demand is assumed to be three times average daily demand: 8,050 gpd X 3 = 24,150 gpd.

##### Estimated Peak Hour Demand

Peak hour in-house residential demand is assumed to be six times average daily demand: 8,050 gpd X 6 = 48,300 gpd.

##### Estimated Average Daily Demand for Commercial/Industrial Uses

Office Uses: 75 employees X 15 gallons per employee per day = 1,125 gpd. (Total office area is projected to be 15000 sq. ft. with 200 sq. ft. per employee)

Retail Uses: 0.1 gal per sq. ft. per day X 20,000 sq. ft. = 2,000 gpd.

Warehouse Uses: 80 employees X 20 gallons per employee per day = 1,600 gpd. (Total warehouse area is projected to be 40,000 sq. ft. with 500 sq. ft. per employee)

Total average daily commercial/industrial demand: 4,725 gpd

Maximum daily commercial/industrial demand is assumed to be three times average daily demand: 4,725 gpd X 3 = 14,175 gpd.

##### Total Potable Water Demand

Total central water system demand will be the sum of domestic in-house demand and commercial/industrial demand.

Total average daily demand = 8,050 gpd + 4,725 gpd = 12,775 gpd = 8.9 gpm

Total maximum daily demand = 12,775 gpd X 3 = 38,325 gpd = 26.6 gpm

Total peak hour demand = 12,775 gpd X 6 = 76,650 gpd = 53.2 gpm

## 2. Hydraulic Analysis

The potable water system will be pressurized by pumps and sized to maintain a minimum of 60 psi at the peak hourly flow of 53.2 gpm. A copy of the EPA Net printout is attached as Exhibit 1.

Fire prevention and suppression will be provided through a separate non-potable water system. A hydraulic analysis of the fire prevention and suppression system has been completed using EPA Net software to verify that the distribution system is capable of maintaining a minimum of 60 psi and residual system pressure of 20 psi at 1750 gpm fire flow. A copy of the EPA Net printout is attached as Exhibit 2.

## 3. Capacity for Collection, Purification and Distribution

Whetstone Park domestic water will come from an existing well located approximately 100 feet southwesterly from Highway 135 along the entrance road. The water will then flow into the pumphouse where it will be chlorinated with liquid chlorine. The chlorinated water will then be delivered to a 50,000 gallon storage tank. Chlorine contact will be a minimum of 300 minutes. The water will then leave the tank, be pressurized by pumps and will enter the water distribution system as shown on the Whetstone Park utility plan via a 4" pvc pipe. The pumphouse will have sample taps, flow meter, and a pressure tank. Plans and specifications for the potable water system are attached as Exhibit D. Additional design information is attached as Exhibit 3.

## 4. Water Storage

Required Storage (Potable Water)

Maximum daily demand: 38,325 gallons

or

6 hours of peak hour demand:  
6 hours X 53.2 gpm X 60 minutes = 19,150 gallons

Storage provided: 50,000 gallons

### b. POTABLE WATER DEMAND CRITERIA

The following information is presented concerning potability of the water supply for the proposed project. Laboratory analysis by the City of Gunnison Water Laboratory on June 22, 2005 of a sample taken from the well which has been constructed for the proposed potable water system indicated that sample quality is safe with respect to microbiological contaminants: Total coliform absent and fecal coliform absent. A copy of the laboratory report is attached as Exhibit 4.

### c. WATER SUFFICIENT FOR LANDSCAPING

The water supply for irrigation of lawns, gardens, and landscape trees will be supplied from groundwater. Water will be distributed through a non-potable fire suppression/irrigation water system. A gallery well will be constructed on the property adjacent to the Slate River. Water needed for irrigation will be pumped from the well directly into the non-potable fire suppression/irrigation distribution system. Irrigation depletions by the well will be augmented with Meridian Lake water purchased from the Upper Gunnison River Water Conservancy District.

### 1. Irrigation Water Criteria – Lawn and Garden Irrigation

(a.) Estimated Acreage:

Lawns and gardens: 600 sq. ft. per residence for 13 residences plus 6 other 600 sq. ft. irrigated sites in commercial and retail areas. 600 sq. ft. x 21 sites = 12,600 sq. ft.

Landscape trees: 20 sq. ft. per tree for 300 trees. 20 sq. ft. x 300 trees = 6,000 sq. ft.

Total Estimated Acreage: 12,600 sq. ft. + 6,000 sq. ft. = 18,600 sq. ft. = 0.427 acres.

(b.) Estimated Demand: Annual consumptive use of 1.33 ac-ft per acre as per the Meridian Lake Augmentation Plan decreed in Case No. 03CW107. Irrigation efficiency of 80% is assumed. The annual diversion requirement is  $1.33/0.80 = 1.66$  ac-ft per acre. The total annual demand is 0.427 acres x 1.66 ac-ft per acre = 0.709 ac-ft.

Estimated Average Daily Demand

The highest consumptive use occurs in June and equals 0.31 ac-ft per acre for the month as per the Meridian Lake Augmentation Plan decreed in Case No. 03CW107. Irrigation efficiency of 80% is assumed. The monthly diversion requirement for June is  $0.31/0.80 = 0.39$  ac-ft per acre. Average daily demand for June equals 0.427 acres x 0.39 ac-ft per acre / 30 days = 0.00556 ac-ft per day = 1,810 gpd.

**D. FIRE PREVENTION AND FIRE SUPPRESSION**

The water supply for fire prevention and fire suppression will be drawn from the pond constructed on the property, pressurized through pumps, and delivered through the non-potable water distribution system to fire hydrants located within the project. The pond will be filled annually from the gallery well during the late spring when there is no call on the river to provide stored water for this purpose.

Required fire flow is 1750 gpm.

Required fire storage is equal to 2 hours X 1750 gpm = 210,000 gallons.

The pond will provide 865,000 gallons of storage, allocated as follows:

<u>Pond Storage</u>	<u>Gallons</u>	<u>Cumulative Gallons</u>
Dead pool	90,000	90,000
Fire storage	210,000	300,000
Irrigation	65,000	365,000
Evaporation	300,000	665,000
Stormwater detention	200,000	865,000

Total pond capacity is 1,100,000 gallons.

Plans and specifications for the non-potable fire suppression/irrigation system are attached in Exhibit D.

**E. EVIDENCE OF SURFACE WATER RIGHT**

Not applicable. Domestic in-house demand, commercial/industrial demand, irrigation demand, and fire storage will all be supplied from groundwater.

**F. WELL TESTING RESULTS**

A 24-hour pump test of the well for the potable water system was carried out in February, 2005. The well was successfully pumped at 14.75 gallons per minute. Results of the well test are provided in Exhibit 5.



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Page 1

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*****
*                               E P A N E T                               *
*                               Hydraulic and Water Quality              *
*                               Analysis for Pipe Networks                *
*                               Version 2.0                              *
*****
```

Input File: dom.net

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in
11	12	13	254.72	4
12	13	14	259.23	4
13	14	15	228.81	4
1	1	12	#N/A	#N/A Pump

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /Mgal	Avg. Kw	Peak Kw	Cost /day
1	100.00	75.00	581.44	1.99	1.99	0.00
Demand Charge:						0.00
Total Cost:						0.00

Node Results:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
12	0.00	8998.81	63.61	0.00
13	20.00	8998.02	66.74	0.00
14	17.00	8997.67	70.05	0.00
15	20.00	8997.56	72.61	0.00
1	-57.00	8860.00	3.47	0.00 Tank

Link Results:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/kft	Status
11	57.00	1.46	3.07	Open
12	37.00	0.94	1.38	Open
13	20.00	0.51	0.44	Open
1	57.00	0.00	-138.81	Open Pump

fire.rpt

Page 1

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*****
*                                     *
*               E P A N E T           *
*   Hydraulic and Water Quality       *
*   Analysis for Pipe Networks        *
*               Version 2.0           *
*****
    
```

Input File: fire.net

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in
9	10	11	215.31	8
11	12	10	704.65	8
1	1	12	#N/A	#N/A Pump

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /Mgal	Avg. Kw	Peak Kw	Cost /day
1	100.00	75.00	615.50	64.63	64.63	0.00
Demand Charge:						0.00
Total Cost:						0.00

Node Results:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
10	0.00	8924.85	35.03	0.00
11	1750.00	8912.00	32.93	0.00
12	0.00	8966.94	55.87	0.00
1	-1750.00	8820.00	0.00	0.00 Reservoir

Link Results:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/kft	Status
9	1750.00	11.17	59.72	Open
11	1750.00	11.17	59.72	Open
1	1750.00	0.00	-146.94	Open Pump

WHETSTONE PARK  
DOMESTIC WATER SUPPLY

9/16/2006

## BASIC WATER SYSTEM

Whetstone Park domestic water will come from an existing well located approximately 100' southwesterly from highway 135 along the entrance road. The water will then flow into the pumphouse where it will be chlorinated with liquid chlorine. The chlorinated water will then be delivered to a 50,000 gallon storage tank. Chlorine contact will be a minimum of 300 minutes. The water will then leave the tank, will be pressurized by pumps and will then enter into the water distribution system as shown on the Whetstone Park utility plan via a 4" pvc pipe. The pumphouse will have a sample taps, flow meter and a pressure tank.

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WATER SUPPLY

EXISTING SPRING	19440 GPD	13.5 GPM	0.030 CFS
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## SYSTEM REQUIREMENTS

UNITS	37		
USE PER UNIT	350 GALLONS PER DAY (GPD)		
TOTAL DAILY	12950 GALLONS PER DAY (GPD)		
	peak factor		
PEAK DAY	3	38850 GPD	27.0 GPM
PEAK HOUR	6	77700 GPD	54.0 GPM
			0.060 CFS
			0.120 CFS
SYSTEM PRESSURE	60 PSI		

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## WATER TREATMENT

HYPOCHLORINATION INJECTION	
MINIMUM CONTACT TIME	300 MIN
MINIMUM CONTACT LENGTHS	
DIAMETER (INCHES)	MIN. REQ. LENGTH (FEET)
144	19    demand based
144	5     supply based

50,000 tank  
Tank length = 59'

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WHETSTONE PARK  
DOMESTIC WATER SUPPLY

9/16/2006

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REQUIRED STORAGE

(PEAK DAY)	38,850 GAL
(6hr x PEAK HOUR)	19,425 GAL
STORAGE PROVIDED	50,000 GAL

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DISTRIBUTION SYSTEM

4" PVC		
HEAD LOSS PER 1000 FEET OF PIPE	7 FEET	3.13 PSI

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Prepared By:  
Norman Whitehead, P.E.-P.L.S.  
NCW & Associates, Inc.  
Crested Butte, Colorado



349-7085



CITY OF GUNNISON WATER LABORATORY  
P.O. BOX 239  
324 CO. RD. 32  
GUNNISON, CO 81230

BILL \_\_\_\_\_  
PAID: cash \_\_\_\_\_  
check # \_\_\_\_\_

**THIS MUST BE COMPLETED OR SAMPLE WILL BE REJECTED**

PWSID # \_\_\_\_\_ Sample taken by JC + MP TIME 542

NAME Mike Potoker  
ADDRESS: Box 66  
CITY: Crested Butte STATE: Co ZIP: 81224

DATE 6-22-05  
PLEASE CHECK ONE  
COMMUNITY ( )  
PRIVATE ( )  
OTHER \_\_\_\_\_

Phone 970 209 7261 LOCATION Top of well CHLORINE \_\_\_\_\_

COMPLETE THIS SECTION IF FOR LEGAL RECORDS, i.e. REAL ESTATE, FINANCING

COUNTY \_\_\_\_\_ SUBDIVISION \_\_\_\_\_  
LOT NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_  
FILING \_\_\_\_\_  
OTHER \_\_\_\_\_

Fax to 970 349 1083

**FOR LABORATORY USE ONLY**

LABORATORY SAMPLE NUMBER 252568

SAMPLE QUALITY: SAFE  UNSAFE \_\_\_\_\_

TOTAL COLIFORM: absent ABSENT  
FECAL COLIFORM: absent ABSENT

PAYMENT IS EXPECTED AT TIME OF ANALYSIS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE. QUESTION CONCERNING WATER QUALITY MAY BE ADDRESSED TO THIS LABORATORY AT 970-641-8042 OR FOR CITY QUESTIONS AT 970-241-8020. THANK YOU.

SAMPLE PROCESSED BY [Signature] LABORATORY TECH \_\_\_\_\_

PLEASE BE CAREFUL WITH SAMPLES. MISTAKES USUALLY HAPPEN AT THE TIME OF SAMPLING WHEN IMPROPER METHODS ARE USED. TAKE SAMPLE FROM A STRAIGHT SPIGOT, LIKE A BATHROOM, AND LET THE WATER RUN FOR AT LEAST 10-15 MINUTES TO OBTAIN WATER FROM THE WELL. SOFTENERS AND FILTERS SHOULD BE BYPASSED. DO NOT RINSE OUT SAMPLE CONTAINERS. IF THE SEAL ON THE CONTAINER IS BROKEN, DISCARD AND OBTAIN A NEW CONTAINER. WATER SAMPLE SHOULD BE DELIVERED TO THE LABORATORY AS SOON AS POSSIBLE AFTER OBTAINING. TRY TO KEEP SAMPLE OUT OF SUN, DIRT AND HEAT IF AT ALL POSSIBLE. (i.e. The dashboard, or on the floor seat). PAPER WORK, BILLING, MUST BE DONE OR SAMPLE WILL BE REJECTED. IF THERE ARE ANY QUESTIONS CALL THE LAB AT 970-641-8042

Fax 970-641-8041 email: [dale@ci.gunnison.co.us](mailto:dale@ci.gunnison.co.us)

**Stewart Water Information, LLC**  
50 South Steele Street  
Suite 700  
Denver, CO 80209  
(720) 941-1000

**Bill To:**

John Councilman  
Whetstone Business Park  
P.O. Box 1270  
Crested Butte, CO 81224

by: *Jac Knox*

Customer ID: WHETSTON  
Invoice No: 000874  
Invoice Date: 3/6/2005  
Page: 1 of 1

**Reference:** Whetstone Vista Well Test

Date	Description	Amount
3/6/2005	48 hr well test	2,500.00
3/6/2005	Test data input 2 hrs @ \$125 per hour	250.00
3/6/2005	Generator rental 24 hrs continuous use	250.00

*Thank you for your business!*

Total Amount Due: 3,000.00

Please make checks payable to  
Stewart Water Information, LLC

And send to:

50 S. Steele, Suite 700  
Denver CO 80209

Whatstona Business Park  
 STEWART WATER INFORMATION, LLC  
 by: Joe Knox

Date	Time	Level	Minutes	Increment	Hours	Days	Flow Read	Total Gal
27-Feb-05	12:00 PM	47.60						
	12:01 PM	45.10	1.00	1	0.016667	0.000694		
	12:02 PM	43.70	2.00	1	0.033333	0.001389		
	12:03 PM	42.68	3.00	1	0.05	0.002083		
	12:04 PM	42.02	4.00	1	0.066667	0.002778		
	12:05 PM	41.51	5.00	1	0.083333	0.003472		
	12:06 PM	41.15	6.00	1	0.1	0.004167		
	12:07 PM	40.88	7.00	1	0.116667	0.004861		
	12:08 PM	40.68	8.00	1	0.133333	0.005556		
	12:09 PM	40.48	9.00	1	0.15	0.00625		
	12:10 PM	40.39	10.00	1	0.166667	0.006944		
	12:12 PM	40.22	12.00	2	0.2	0.008333		
	12:14 PM	40.10	14.00	2	0.233333	0.009722		
	12:16 PM	40.00	16.00	2	0.266667	0.011111		
	12:18 PM	39.93	18.00	2	0.3	0.0125		
	12:20 PM	39.88	20.00	2	0.333333	0.013889		
	12:22 PM	39.86	22.00	2	0.366667	0.015278		
	12:24 PM	39.82	24.00	2	0.4	0.016667		
	12:26 PM	39.79	26.00	2	0.433333	0.018056		
	12:28 PM	39.76	28.00	2	0.466667	0.019444		
	12:30 PM	39.73	30.00	2	0.5	0.020833		
	12:35 PM	39.68	35.00	5	0.583333	0.024306		
	12:40 PM	39.65	40.00	5	0.666667	0.027778		
	12:45 PM	39.62	45.00	5	0.75	0.03125		
	12:50 PM	39.58	50.00	5	0.833333	0.034722		
	12:55 PM	39.55	55.00	5	0.916667	0.038194		
	1:00 PM	39.53	60.00	5	1	0.041667		
	1:30 PM	39.41	90.00	30	1.5	0.0625		
	3:30 PM	39.10	210.00	120	3.5	0.145833		
	5:30 PM	38.88	330.00	120	5.5	0.229167		
	10:00 PM	38.60	600.00	270	10	0.416667		
28-Feb-05	3:00 AM	38.30	1440.00	300	24	1		

STEWART WATER INFORMATION, LLC

Joe Knox

Diff

- 2.61
- 1.45
- 0.89
- 0.65
- 0.50
- 0.37
- 0.28
- 0.21
- 0.19
- 0.19
- 0.15
- 0.20
- 0.20
- 0.10
- 0.10
- 0.06
- 0.07
- 0.03
- 0.05
- 0.04
- 0.03
- 0.01
- 0.01
- 0.01
- 0.01
- 0.01
- 0.01
- 0.01
- 0.21
- 0.20
- 0.23
- 0.29
- 0.26
- 0.19



Whetstone Business Park  
 STEWART WATER INFORMATION, LLC by: John Knox

Date	Time	Level	Minutes	Increment	Hours	Days	Flow Read	Total Gal
26-Feb-05	12:00 PM	37.85						
	12:01 PM	40.46	1.00	1	0.016667	0.000694	14.75	14.75
	12:02 PM	41.91	2.00	1	0.033333	0.001389	14.75	29.5
	12:03 PM	42.80	3.00	1	0.05	0.002083	14.75	44.25
	12:04 PM	43.45	4.00	1	0.066667	0.002778	14.75	59
	12:05 PM	43.95	5.00	1	0.083333	0.003472	14.75	73.75
	12:06 PM	44.32	6.00	1	0.1	0.004167	14.75	88.5
	12:07 PM	44.60	7.00	1	0.116667	0.004861	14.75	103.25
	12:08 PM	44.81	8.00	1	0.133333	0.005556	14.75	118
	12:09 PM	45.00	9.00	1	0.15	0.00625	14.75	132.75
	12:10 PM	45.15	10.00	1	0.166667	0.006944	14.75	147.5
	12:12 PM	45.35	12.00	2	0.2	0.008333	14.75	177
	12:14 PM	45.55	14.00	2	0.233333	0.009722	14.75	206.5
	12:16 PM	45.65	16.00	2	0.266667	0.011111	14.75	236
	12:18 PM	45.75	18.00	2	0.3	0.0125	14.75	265.5
	12:20 PM	45.81	20.00	2	0.333333	0.013889	14.75	295
	12:22 PM	45.88	22.00	2	0.366667	0.015278	14.75	324.5
	12:24 PM	45.91	24.00	2	0.4	0.016667	14.75	354
	12:26 PM	45.96	26.00	2	0.433333	0.018056	14.75	383.5
	12:28 PM	46.00	28.00	2	0.466667	0.019444	14.75	413
	12:30 PM	46.03	30.00	2	0.5	0.020833	14.75	442.5
	12:35 PM	46.04	35.00	5	0.583333	0.024306	14.75	516.25
	12:40 PM	46.05	40.00	5	0.666667	0.027778	14.75	590
	12:45 PM	46.06	45.00	5	0.75	0.03125	14.75	663.75
	12:50 PM	46.07	50.00	5	0.833333	0.034722	14.75	737.5
	12:55 PM	46.08	55.00	5	0.916667	0.038194	14.75	811.25
	1:00 PM	46.09	60.00	5	1	0.041667	14.75	885
	2:00 PM	46.30	120.00	60	2	0.083333	14.75	1770
	4:00 PM	46.50	240.00	120	4	0.166667	14.75	3540
	6:00 PM	46.73	360.00	120	6	0.25	14.75	5310
	10:00 PM	47.02	600.00	240	10	0.416667	14.75	8850
27-Feb-05	3:00 AM	47.28	900.00	300	15	0.625	14.75	13275
	7:00 AM	47.47	1140.00	240	19	0.791667	14.75	16815
	12:00 PM	47.60	1440.00	300	24	1	14.75	21240

STEWART WATER INFORMATION, LLC by: JOE KNOX

Diff

- 2.50
- 1.40
- 1.02
- 0.66
- 0.51
- 0.36
- 0.27
- 0.20
- 0.20
- 0.20
- 0.09
- 0.17
- 0.12
- 0.10
- 0.07
- 0.05
- 0.02
- 0.04
- 0.03
- 0.03
- 0.03
- 0.05
- 0.03
- 0.03
- 0.04
- 0.03
- 0.02
- 0.12
- 0.31
- 0.22
- 0.28

# STATE OF COLORADO

## COLORADO DIVISION OF WATER RESOURCES BOARD OF EXAMINERS OF WATER WELL AND PUMP INSTALLATION CONTRACTORS

This is to certify that

### JOE W. KNOX

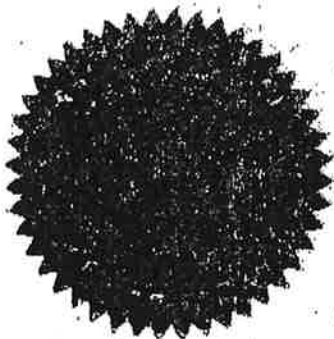
has complied with the provisions of Title 37, Article 91, Colorado Revised Statutes and the Rules and Regulations of the Board of Examiners for Well Construction and Pump Installation Contractors and is hereby granted a special license :

### LIMITED TO WELL TESTING AND INSTALLATION OF TEMPORARY PUMPING EQUIPMENT

This license is non-transferable and expires January 31, 2006, unless sooner revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 24th day of February 2004.

**License Number 1362**



*H. Roy Stewart*

Chairman, Board of Examiners

*Hal O. Singer*

Secretary, Board of Examiners