

RECEIVED

AUG 07 2009

Department of Water Resources

RECEIVED

JUL 31 2009

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

WATER RESOURCES
WESTERN REGION

A. GENERAL INFORMATION

Permit No. 63-12506

1. Owner: City of Nampa Phone No.: 208-466-6000

Current Address: 411 3rd St. S., Nampa, ID 83651

2. Accompanied by: Marcos Hernandez EXAM DATE: 6/24/2009

Address: Nampa City Water Works, 24 1st St. S., Nampa, ID 83651 Phone No. 208-941-0056

Relationship to Permit Holder: Water System Technician, System Manager

3. Source: Ground Water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: See Attachment B

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NW	SE	10	2N	2W	Canyon	Exam, 2006 Aerial Photo

2. Place(s) of Use

Indicate Method of Determination Exam

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Municipal use within the service area
for the City of Nampa currently on
record with IDWR

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe id as applicable. **See Attachment C**

Scale: 1" = _____.

X Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

X Aerial Photo Attached (required for irrigation of 10+ acres)

X Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Coventry Well	Franklin sub	15	20-0159 2366139020	Crown 6M-250 4-stage, full trim	4-inch x 95.5-feet column SN 3574
Coventry Well	Franklin sub	125	04-009A-94 2391056004	Goulds 9THC 2-stage, 6.44- inch trim	6-inch x 105-feet column SN 3574

*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
Flowmeter	Magmeter	Bailey Fischer Porter		98W026232	8-inch	
Flowmeter	Magmeter	Bailey Fischer Porter		98W026545	4-inch	

2. Measurements: Data from both flowmeters is continuously downloaded to the City's Supervisory Control and Data Acquisition System (SCADA).

E. NARRATIVE/REMARKS/COMMENTS

A 15-hp submersible well pump and a 125-hp submersible well pump are both installed in the same 18-inch diameter well. The pumps supply water for municipal use within the City of Nampa potable municipal water system. The well is completed to a depth of 479.5 feet, with 18-inch casing to 187 feet, 14-inch casing to 252 feet, and 10-inch casing and well screen from 252 to 479.5 feet. The 15-hp pump is set at a depth of 95.5 feet on 4-inch pipe. The 125-hp well is set at a depth of 105 feet on 6-inch pipe. Water bearing zone listed on the permit is 380 to 480 feet. Water-bearing zone actually developed was 382 to 472 feet (based on well driller's information).

This well and water system was initially developed by United Water Idaho as a non-contiguous municipal water system. It was later conveyed to the City of Nampa and is currently interconnected with the City of Nampa municipal water system.

The well pumps are equipped with functioning flow meters, but when flushing the pumps to waste at the well house the water bypasses the flow meters. During the exam, there was not a suitable flushing location within the distribution system near the well to allow pumping of the well at full capacity through the flow meters for test purposes. Therefore, pump capacity has been calculated based on pump performance data.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Yes Additional Computation Sheets Attached
(Pump Curves and Well log, Attachment B)

Measured Method:

Pump Curve:

PWL @ 3.5 cfs = SWL (27') + DD (3.5 cfs*448.83 cfs/gpm / 38.5 gpm/ft = 41') = 68 feet

Discharge Pressure = 50 psi = 116 feet

Friction Loss = 25 feet (assumed)

TDH = 68 + 116 + 25 = 209 feet

Pump 1 @ 209 feet TDH = 220 gpm

Pump 2 @ 209 feet TDH = 1825 gpm

Total Capacity = 2045 gpm = 4.55 cfs

Limit flow rate to permit maximum of 3.5 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

2. Volume Calculations for Other Uses:

Not Applicable

H. RECOMMENDATIONS

1. Recommended Amounts

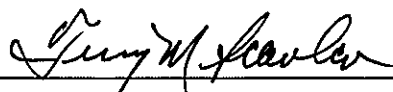
Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Municipal	1/1	12/31	3.50 cfs	

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Terry M. Scanlan, P.E., Certified Water Right Examiner 10-129 Date 7-31-09

Field Examiner's Signature 

Reviewer _____ Date _____

SEAL



ATTACHMENT A
PERMIT RECORD

12/10/2008

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 63-12506

WATER RIGHT NUMBER: 63-12506

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	CITY OF NAMPA 411 3RD ST S NAMPA, ID 83651 (208) 466-6000

Priority Date: 01/15/1999

Basis:

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
MUNICIPAL	1/01	to 12/31	3.500 CFS	
	<u>Total Diversion:</u>		3.500 CFS	

Location of Point(s) of Diversion

GROUND WATER	NW1/4SE1/4	Sec. 10, Twp 02N, Rge 02W, B.M.
CANYON County		

Conditions of Approval:

1. 102 The right holder shall not provide water diverted under this right for the irrigation of land having appurtenant surface water rights as a primary source of irrigation water except when the surface water rights are not available for use. This condition applies to all land with appurtenant surface water rights, including land converted from irrigated agricultural use to other land uses but still requiring water to irrigate lawns and landscaping.
2. 004 The issuance of this right does not grant any right-of-way or easement across the land of another.
3. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. Two points of diversion are located within NWSE, S10, T02N, R02W.
Place of use is located within the service area of United Water Idaho, Inc.
Water bearing zone to be appropriated is from 380 to 480 feet.
5. 120 The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary for this purpose will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
6. 01M After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
7. 26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

Dates and Other Information:

Permit Proof Due Date: 5/1/2009
Permit Proof Made Date:
Permit Approved Date: 4/23/1999

RECEIVED

MAY 19 2009

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEMENT OF COMPLETION

DEPARTMENT OF SUBMITTING PROOF OF BENEFICIAL USE
WATER RESOURCES

FOR OFFICE USE ONLY

Amt. of Fee \$: 175.00
Receipt No. 00831049
Receipt By: on
Date Received: 5/20/09

The Idaho Department of Water

Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 63-12506 Telephone No. 208-466-6000

2. Name of Permit Holder(s): City of Nampa

3. Mailing Address: 411 3rd St. S. City Nampa

State ID Zip 83651 Email: _____

4. Source of Water: Ground Water If **GROUND WATER** (well), Date Drilled: mo 09 / yr. 1998

Well Driller: Stevens & Sons Drilling Permit Number: 63-98-W-0198-000

5. Extent of use(s) completed (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: Municipal

6. Total rate of diversion or storage volume for which proof is submitted: 3.5 cfs OR _____ acre-feet.

7. Compliance with a Measuring Device requirement and/or other Conditions of Permit: (Refer to the approval conditions on your permit and respond accordingly.)

Measuring Device: Is a measuring device required?
If yes, has the measuring device been installed?

Yes ☐ or No ☒
Yes ☐ or No ☐

Conditions of Permit: Does your permit require you to submit additional information in connection with your proof of beneficial use? (If yes, please list the conditions below and provide documents if necessary.)

Completed?

Yes ☐ or No ☐

Completed?

Yes ☐ or No ☐

8. Fee Enclosed: \$ 175 (See Fee Schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: SPF Water Engineering Telephone Number: 208-383-4140

Mailing Address: Attn: Lori Graves, 300 E. Mallard Dr., Ste 350 City Boise

State ID Zip 83706 Email: lgraves@spfwater.com

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: [Signature] Public Works Dir. Date: 5/15/09
(include your title, if on behalf of company or organization)

**BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO**

IN THE MATTER OF PERMIT NO. 63-12506 IN THE NAME OF CITY OF NAMPA	))))) _____)	REINSTATEMENT ORDER
---	---------------------------------	----------------------------

This matter having come before the Idaho Department of Water Resources ("Department"), the Department makes the following Findings of Fact, Conclusions of Law and Order:

FINDINGS OF FACT

1. On April 23, 1999, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted to the Department on or before May 1, 2004. The permit bore the priority date of January 15, 1999.
2. On April 2, 2004, the Department received a Request for Extension of Time ("extension request") which was granted giving the permit holder until May 1, 2009 to submit proof of beneficial use.
3. On February 28, 2009, the Department notified the permit holder by certified mail that proof of beneficial use was due and instructed the permit holder of the steps to be taken to submit the proof or extension of time.
4. On May 1, 2009, the permit lapsed since the Department had not received an acceptable proof of beneficial use statement or extension of time from the permit holder.
5. On May 7, 2009, the Department sent a lapse notice to the permit holder since the Department had not received an acceptable proof of beneficial use statement or extension of time request.
6. On May 19, 2009, the permit holder filed a Statement of Completion for submitting proof of beneficial use ("proof") with the appropriate license examination fee.

CONCLUSIONS OF LAW

Section 42-218a, *Idaho Code*, provides that the Department may reinstate a permit upon a showing of reasonable cause by the permit holder within sixty days of the date of notice of lapsing.

The permit holder has provided a reasonable showing why the permit should be reinstated, by submitting an acceptable proof of beneficial use. The permit shall be reinstated based upon the May 19, 2009 filing date.

ORDER

IT IS HEREBY ORDERED that Permit No. 63-12506 is **REINSTATED** and the permit's priority date is advanced to February 2, 1999.

DATED this 3rd day of June, 2009.



JEFF PEPPERSACK, Chief
Water Allocation Bureau

ATTACHMENT B

OTHER RIGHTS

City of Nampa Potable Water Rights (6/26/2009)

63-2779
63-2781
63-5258
63-7567
63-8324
63-9180
63-10212
63-11511
63-11729
63-12463
63-12474
63-12506
63-12543
63-12591
63-28219
63-28220
63-31243



ATTACHMENT C
WELL LOG AND PUMP CURVES

RECEIVED

NOV 02 1998

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

064798

page 1 of 2

WATER RESOURCES
WESTERN REGION

1. DRILLING PERMIT NO. 63-98-W-0198-000

Other IDWR No. 65-12424

2. OWNER: D0001887

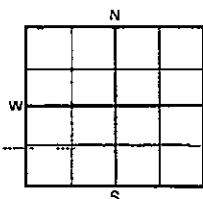
Name Coventry Development

Address 619 Crocus Court

City Nampa State ID Zip 83651

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 2 North ☒ or South ☐
Rge. 2 East ☐ or West ☒
Sec. 10 N/W 1/4 N/W 1/4 S/E 1/4
Gov't Lot County 10 acres 40 acres 160 acres
Lat. : : Long. : :
Address of Well Site 388' East of Sunny
Ridge, 113' South of Ruth Ln City Nampa
(Give at least name of road + Distance to Road or Landmark)

Lt. 4 Blk. 1 Sub. Name Coventry Place

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/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
5/8 bentonite	0	105	12400#		poured
5/8 bentonite	265	285	750#		poured

Was drive shoe used? ☒ Yes ☐ No Shoe Depth(s)Was drive shoe seal tested? ☒ Yes ☐ No How? drawdown

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
18	42	137	375	steel	☐	☐	☐	☐
16	137	152	375		☐	☐	☐	☐
14	152	255	375		☐	☐	☐	☐

Length of Headpipe 325 Length of Tailpipe 365

9. PERFORATIONS/SCREENS

☐ Perforations Method ☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
382	392	25		10	steel	☐	☐
392	402	10				☐	☐
402	422	25				☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

27 ft. below ground Artesian pressure lb.

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

442 452 70
452 472 20

Office Use Only

Inspected by

Twp Rge Sec

1/4 1/4 1/4

Lat. : : Long. : :

11. WELL TESTS:

XX Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1000	26	55	8 hr

Water Temp. Bottom hole temp.

Water Quality test or comments:

Depth first Water Encountered

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24	0	15	clay topsoil		X
	15	25	sandy clay		X
	25	56	cemented sand & gravel	X	
	56	05	basalt-broken 83-85'	X	
24"	to	118	then 18"		
	105	120	cemented fineblack sand, some gravel	X	
18	120	135	brown clay		X
	135	145	cemented sand	X	
	145	155	sand	X	
	155	180	sandy clay, cemented sand		X
	180	187	sand	X	
	187	190	brown clay		X
	190	197	sandy brown clay		X
	197	205	brown clay		X
	205	215	sandy clay		X
	215	220	clay		X
	220	235	sandy clay		X
	235	254	lightly cemented sand	X	
	254	263	sandy brown clay		X
	263	270	blue clay, sandy blue clay		X
	270	275	blue sand	X	
	275	280	blue sandy clay		X
	280	285	blue sandy clay, brown clay		X
	285	290	brown clay turning green		X
	290	295	sandy greenish clay		X
	295	308	greenish cemented sand		X
	308	348	green clay		X
	348	352	sandy green clay		X
	352	375	green clay		X
	375	380	sandy green		X
	380	445	greenish sand	X	
	445	449	green clay		X

Completed Depth 485' (Measurable)

Date: Started 6/1/98 Completed 9/18/98

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 Stevens & Sons Firm No. 353

Firm Official Ron Stevens Date 9/30/98

and

Supervisor or Operator

FORWARD WHITE COPY TO WATER RESOURCES

Conventy Place Sub.

18" 3/8" wall

63-98-W-0198-000
Water Right
63-12429

2 1/2" OVER bore
5/8" Bentonite Chips

064800 Township 2N
Range 2W
Section 10
NW 1/4 NW 1/4 SE 1/4

Lot 4 Block 1
Ruth Lane Nampa Id.

105'

Backer is
58" long
16" 3/8" wall

200' 6" Drive shoe

192' 6" Top of 14" casing - 3/8" wall
8-12 Colorado sand

3/8" Gravel

Swedge coupler over 10" 252' 0"
10" casing is 365 wall

5/8" Bentonite chips

Cave

340' MICROFILMED

MAR 08 1999

10-20 Colorado sand

Screens
382 - 392 25 slot
392 - 402 10 slot
402 - 412 25 slot
412 - 422 25 slot
422 - 432 T.W.
432 - 472 20 slot top of screens 382

Take pipe 473' 6"

Drilled to 485'

Bottom of take pipe 479' 6"

WELL SETTING DATA

DATE INSTALLED

01/12/99

SETTING TO TOP OF BOWLS

95 FT 6 IN

LOCATION

COVENTRY PLACE (PUMP #1)

STATIC

OR. STATIC

PUMP

MANUFACTURER CROWN SERIAL NO. 3574

NUMBER OF COLUM: 5 SIZE 4 IN LENGHT 21FT 3IN TAPERED Y/N YES

NUMBER OF COLUM: 1 SIZE 4 IN LENGHT 10 FT TAPERED Y/N YES

NUMBER OF SHAFTS N/A SIZE LENGHT THREADS

NUMBER OF SHAFTS N/A SIZE LENGHT THREADS

NO. OF STAGES 4 IMP QUA IMP DIAM IMP TRIM

SIZE/MODEL 6M-250 STD IMP QUA IMP DIAM IMP TRIM

TYPE SUB DISCH DIAMETER 4 IN IMP NUMBER

GPM 250 LENGTH OF TAIL PIECE TAPERED Y/N

RPM 3450 HEAD SHAFT LENGTH SHAFT SIZE

TDH GLAND SHAFT LENGTH SHAFT SIZE

LENGTH OF MOTOR 29 IN LENGTH OF BOWLS 35 IN EFFICIENCY

CURVE NUMBER 29 IN TO CENTER LINE OF SUCTION SCREENS

MOTOR

MANUFACTURER FRANKLIN ELECTRIC

SERIAL NO 20-0159

TYPE SUB VOLTS 460

MAKE AMPS 20.8

MODEL 2366139020 PHASE 3

HP 15 CYCLES 60

UPPER BEARING RPM 3450

LOWER BEARING FRAME

AIR & AQUA LINES

AIR LINE 3/8 IN 96FT 10IN CHEM LINE 1/2 IN 120 FT

CL2 LINE COVERED 5/8 IN 105 FT SOUNDER 3/4 IN 116 FT

CREW

S. FRESSBEE S. BESSON B. BARRIATUA TAG #
D. BAHMER J. BELCHER ELEVATION

REMARKS

SUPERVISOR

D. MAYS

THIS IS THE SMALLER OF TWO PUMPS IN THE SAME HOLE

DATE RECIEVED BY DATA ENTRY 01/22/99

NAME B. SEITZ



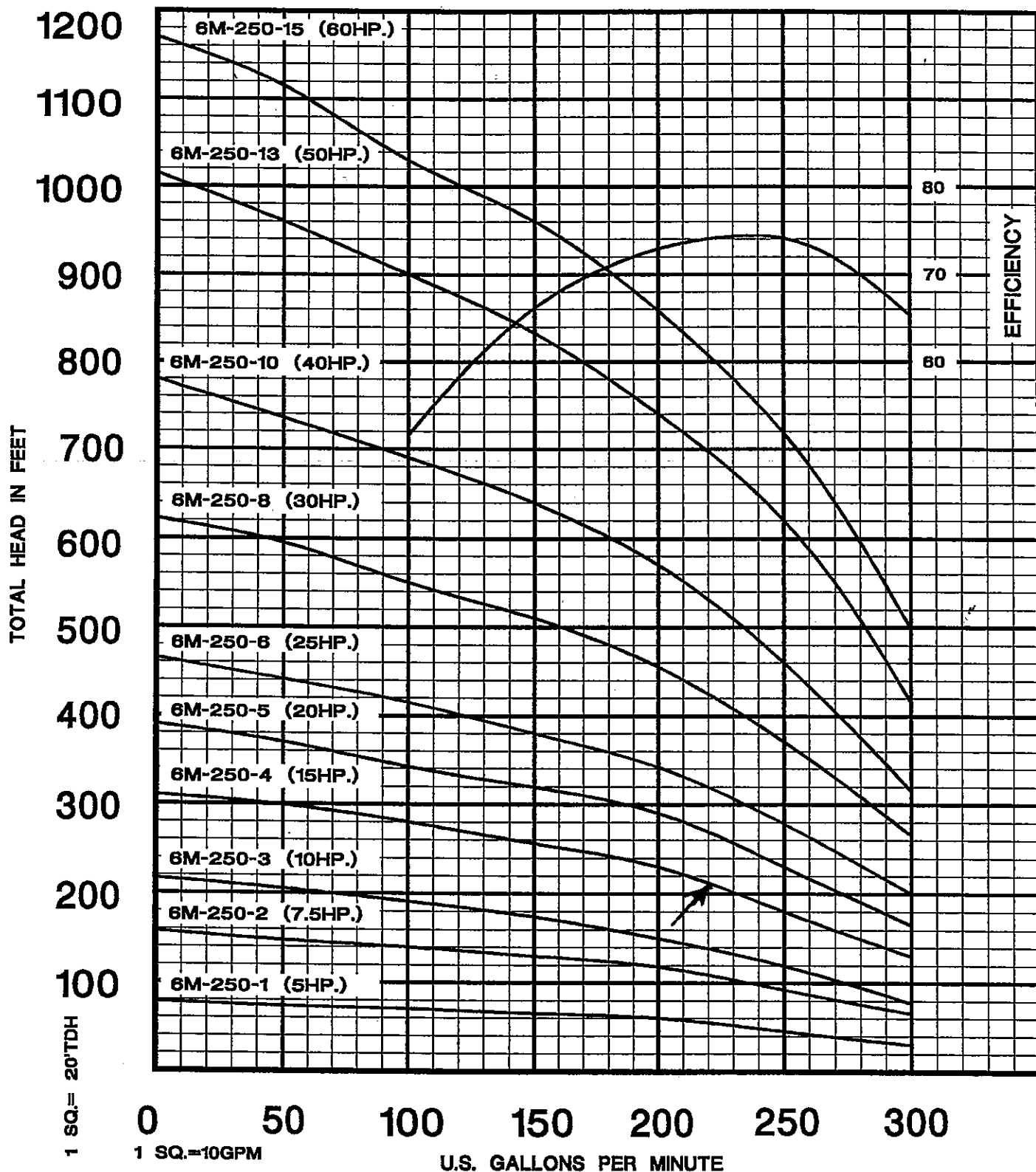
6M-250

MODEL 6M-250

220 gpm @ 209' TDH

PERFORMANCE CHARACTERISTICS

MINIMUM WELL SIZE 7"



CROWN PUMP CORPORATION, HIGHWAY 16 & BIVAR, DE LEON, TEXAS

WELL SETTING DATA

DATE INSTALLED

09/17/02

SETTING TO TOP OF BOWLS

105 FT

LOCATION

Coventry 6 in

STATIC

OR. STATIC

PUMP

MANUFACTURER GOULD SERIAL NO. _____

COLUMN NUMBER 5 SIZE 6 IN LENGHT 20 FT TAPERED Y/N Y

COLUMN NUMBER 1 SIZE 6 IN LENGHT 5 FT TAPERED Y/N Y

NUMBER OF SHAFTS _____ SHAFT LENGTH _____ SIZE _____ THREADS _____

NUMBER OF SHAFTS _____ SHAFT LENGTH _____ SIZE _____ THREADS _____

TYPE SUB

SIZE/MODEL 9THC DISCH DIAMETER _____ IMP NUMBER A7741

NO. OF STAGES 2

RPM 3600 IMP QUA 2 IMP DIAM 6.44 IN IMP TRIM _____

IMP QUA _____ IMP DIAM _____ IMP TRIM _____

GPM 1500 LENGTH OF TAIL PIECE _____ TAPERED Y/N _____

TDH 260 LENGTH OF HEAD SHAFT _____ SHAFT SIZE _____

LENGTH OF MOTOR 69 IN GLAND SHAFT LENGTH _____ SHAFT SIZE _____

CURVE NUMBER _____ LENGTH OF BOWLS 42 IN EFFICIENCY _____

MOTOR

MANUFACTURER FRANKLIN ELECTRIC CATALOG # H060Y2SL6

SERIAL NO 04-009A-94

TYPE SUB VOLTS 460

MAKE _____ AMPS 88

MODEL 2391056004 PHASE 3

HP 125 CYCLES 60

UPPER BEARING _____ RPM 3525

LOWER BEARING _____ FRAME _____

AIR & AQUA LINES

AIR LINE 3/8 IN N/A CHEM LINE 1/2 IN N/A

CL2 LINE COVERED 5/8 IN N/A SOUNDER 3/4 IN N/A

CREW

J. Belcher B. Barniua

S. Fresbee D. McIlung

L. Rice _____

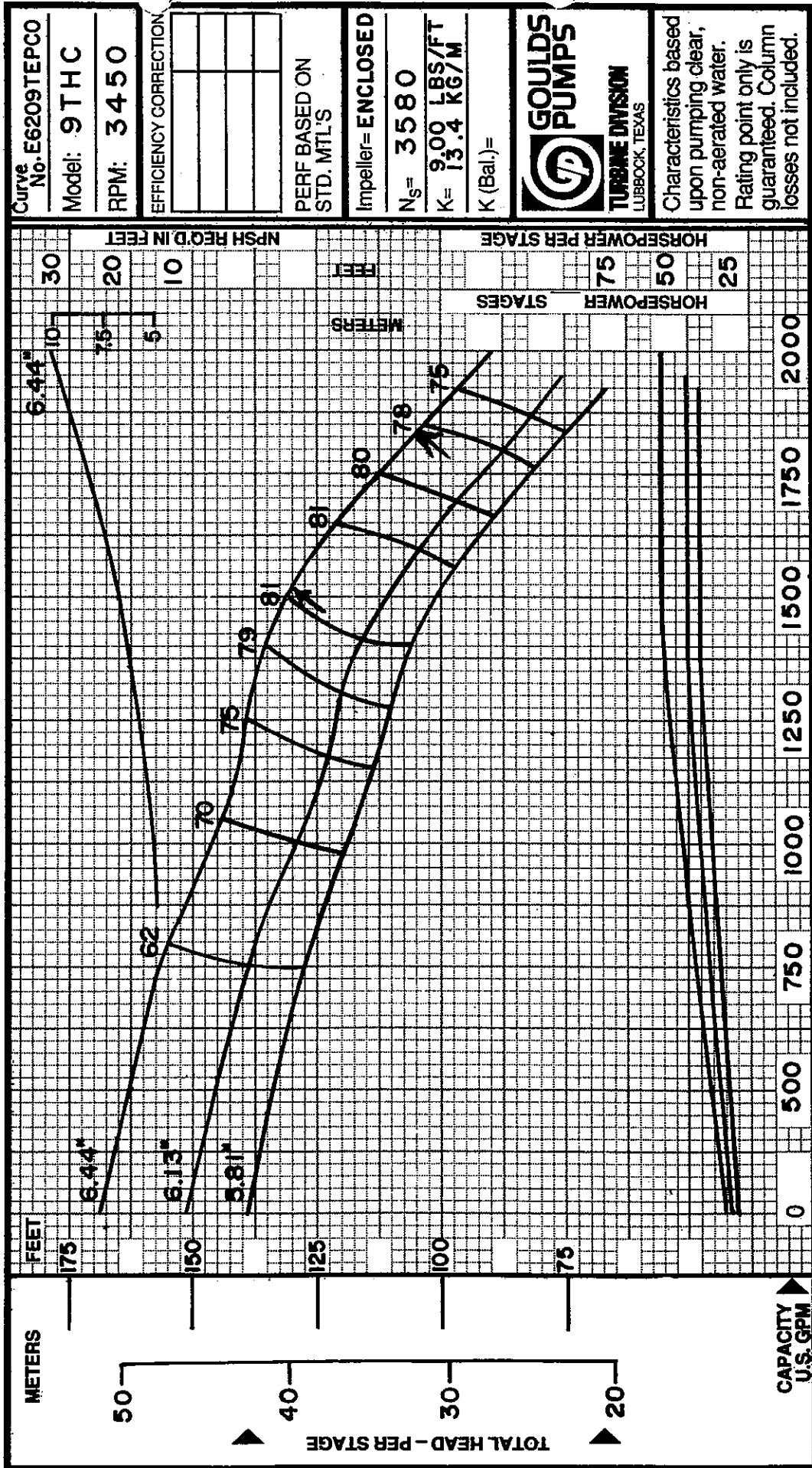
REMARKS

SUPERVISOR

D. MaysThis is the larger of two pumps in the same hole.DATE RECIEVED BY DATA ENTRY_ 09/17/02 NAME B. SEITZ

1520 gpm @ 260' TDH
 1825 gpm @ 209' TDH

GOULDS PROPOSAL NO.		GOULDS S.O. NO.		INQUIRY NO.		CUSTOMER P.O. NO.		P.O. DATE		ITEM NO.		CUSTOMER	
PROJECT													
SERVICE				GPM CAPACITY				F.T. TDH		% EFFICIENCY		RPM	



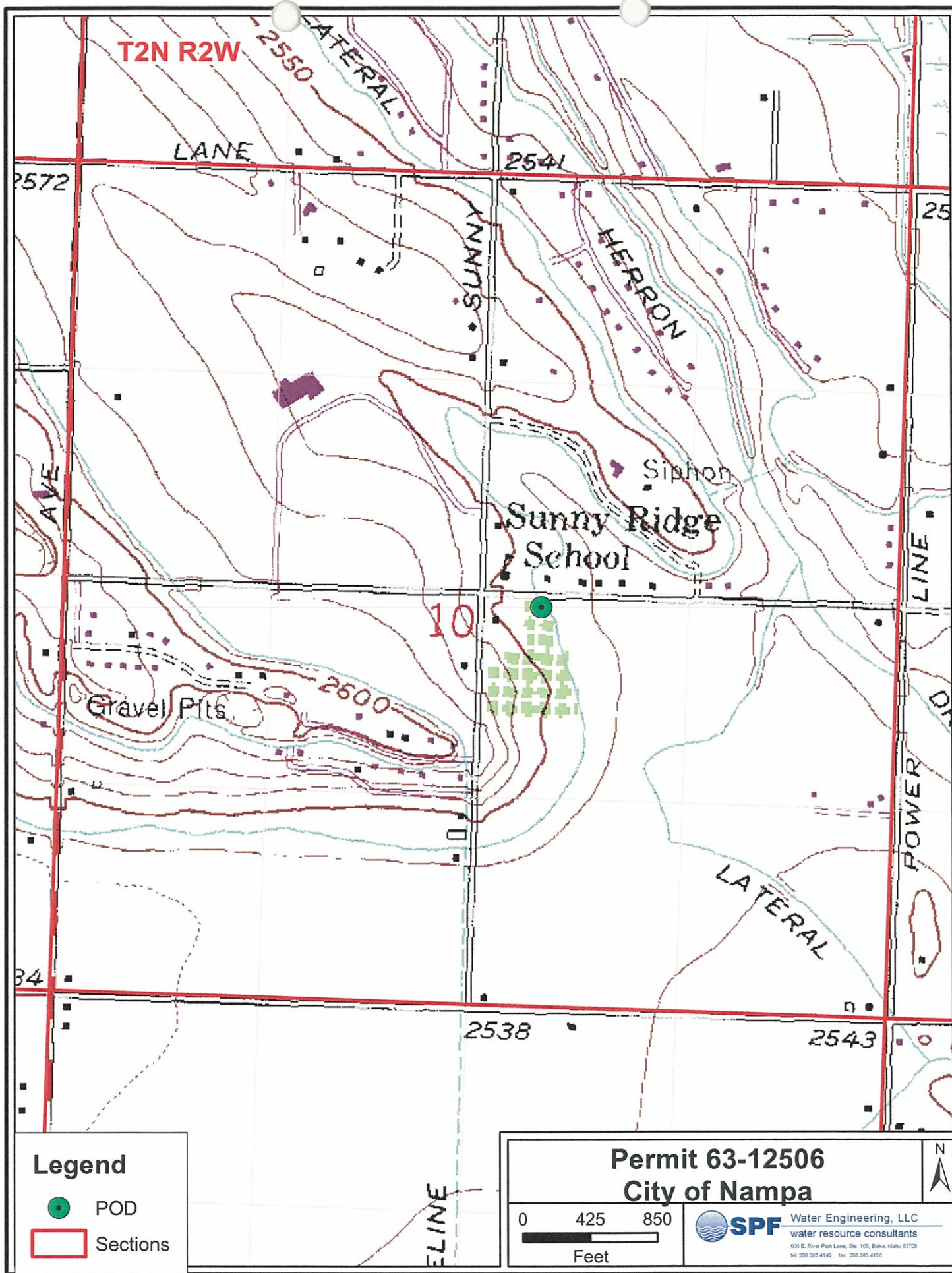
MODEL
9THC

DATE
 March 1996

SUPERCEDES
 NEW

ATTACHMENT D

TOPO MAP AND 2006 AERIAL PHOTOS



T2N R2W

2006 Photo

4

3

2

9

10

11

16

15

Legend



POD



Sections

Permit 63-12506
City of Nampa

0 425 850
Feet

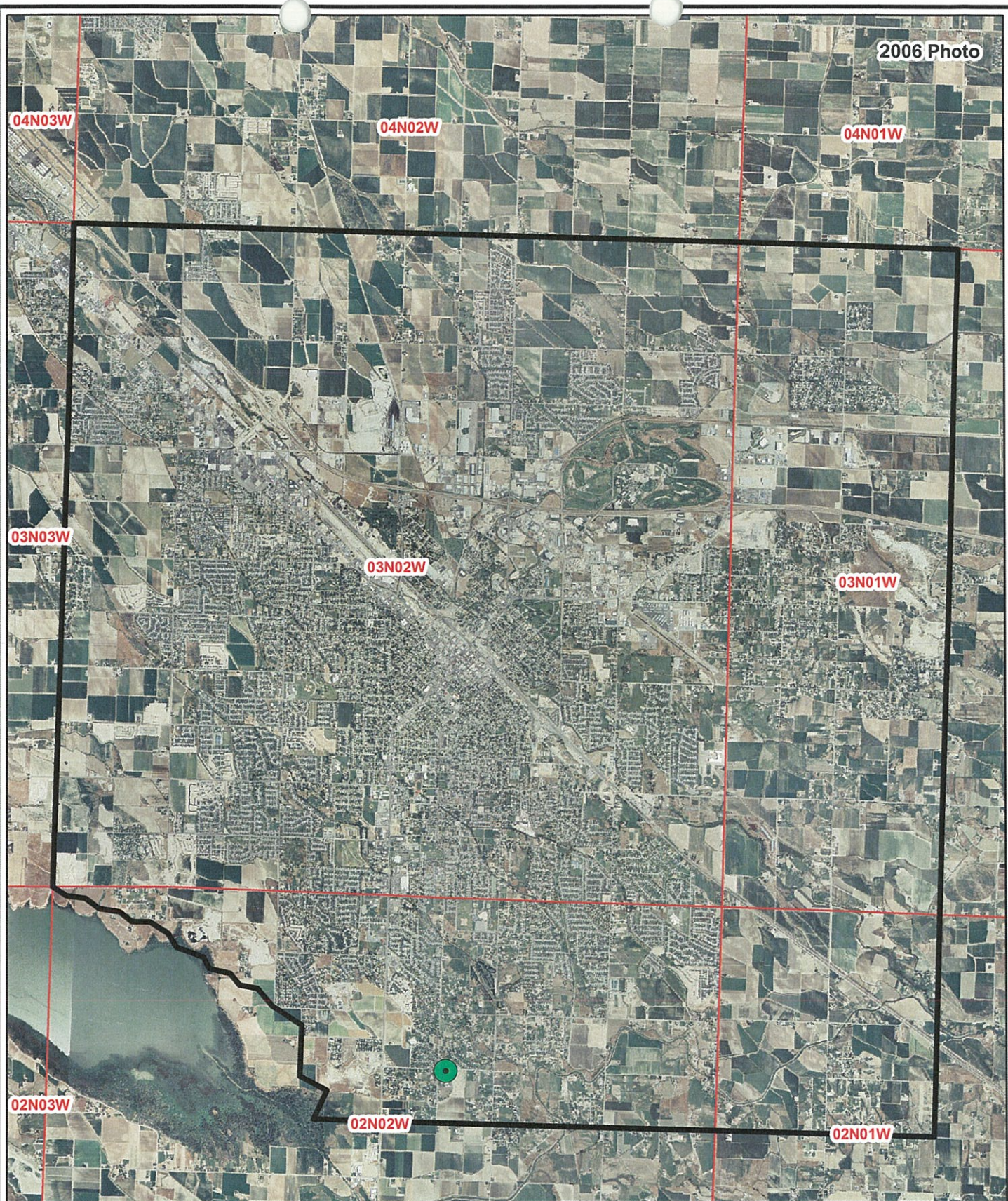


SPF Water Engineering, LLC
water resource consultants

100 E. River Park Lane, Ste. 105, Boise, Idaho 83709
tel: 208.383.4140 fax: 208.383.4150



2006 Photo



Legend



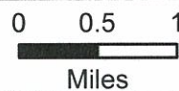
POD



Current GIS Shape for Nampa's Service Area

Permit 63-12506

City of Nampa

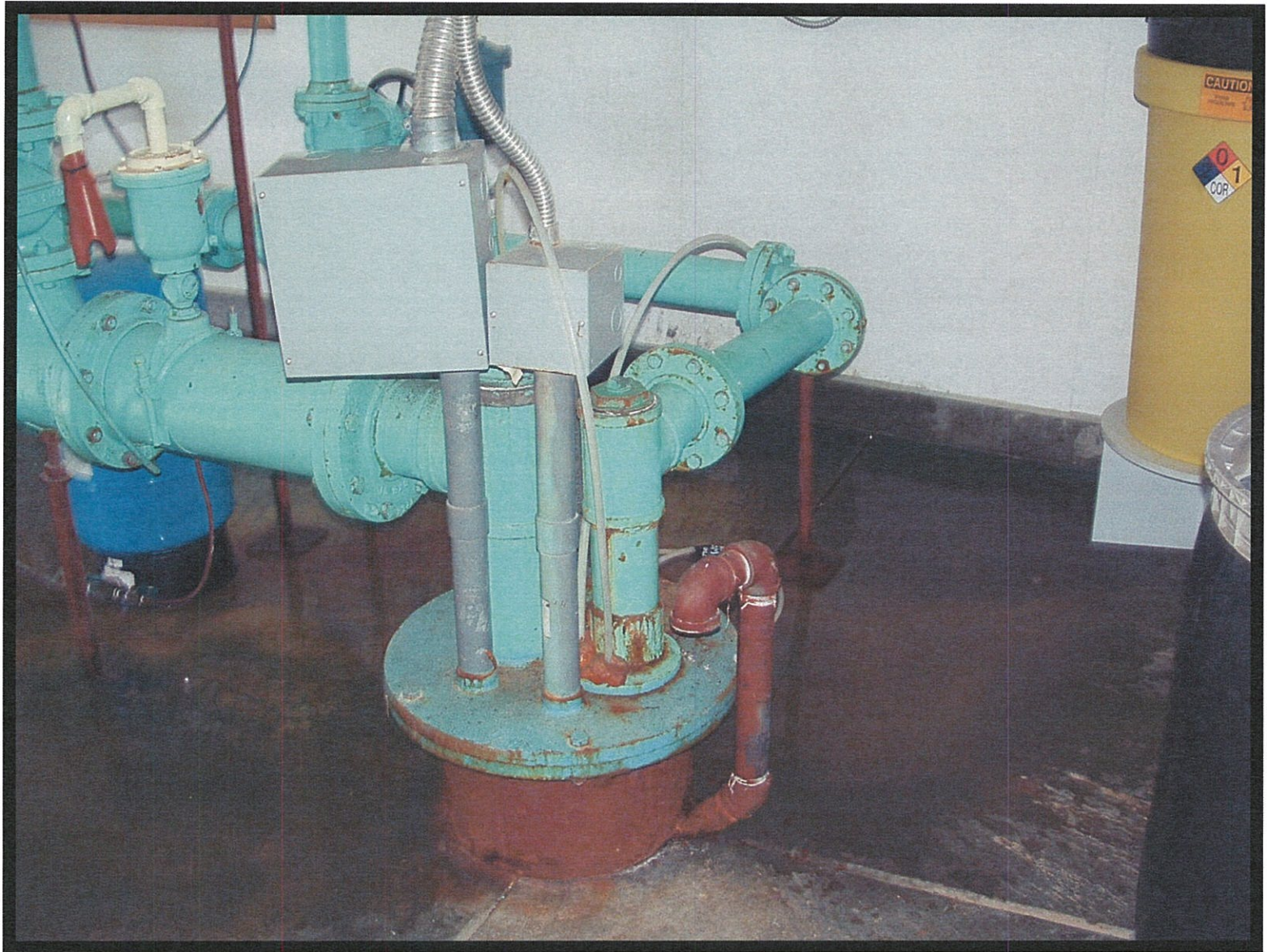


SPF

Water Engineering, LLC
water resource consultants
600 E. River Park Lane, Ste. 105, Boise, Idaho 83706
tel. 208.353.4140 fax. 208.353.4158



ATTACHMENT E
PHOTOS



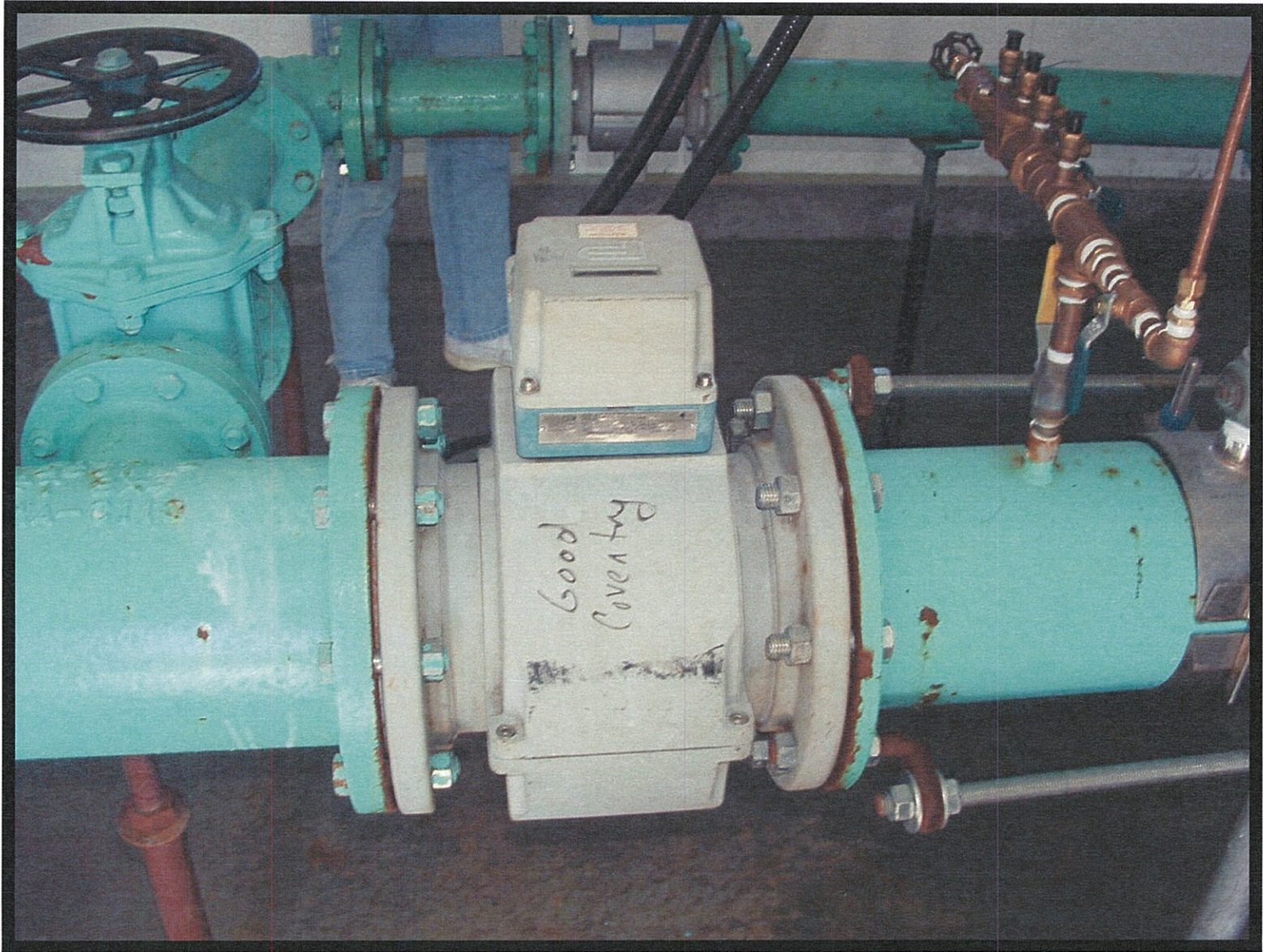
18-inch Well with Two Pumps



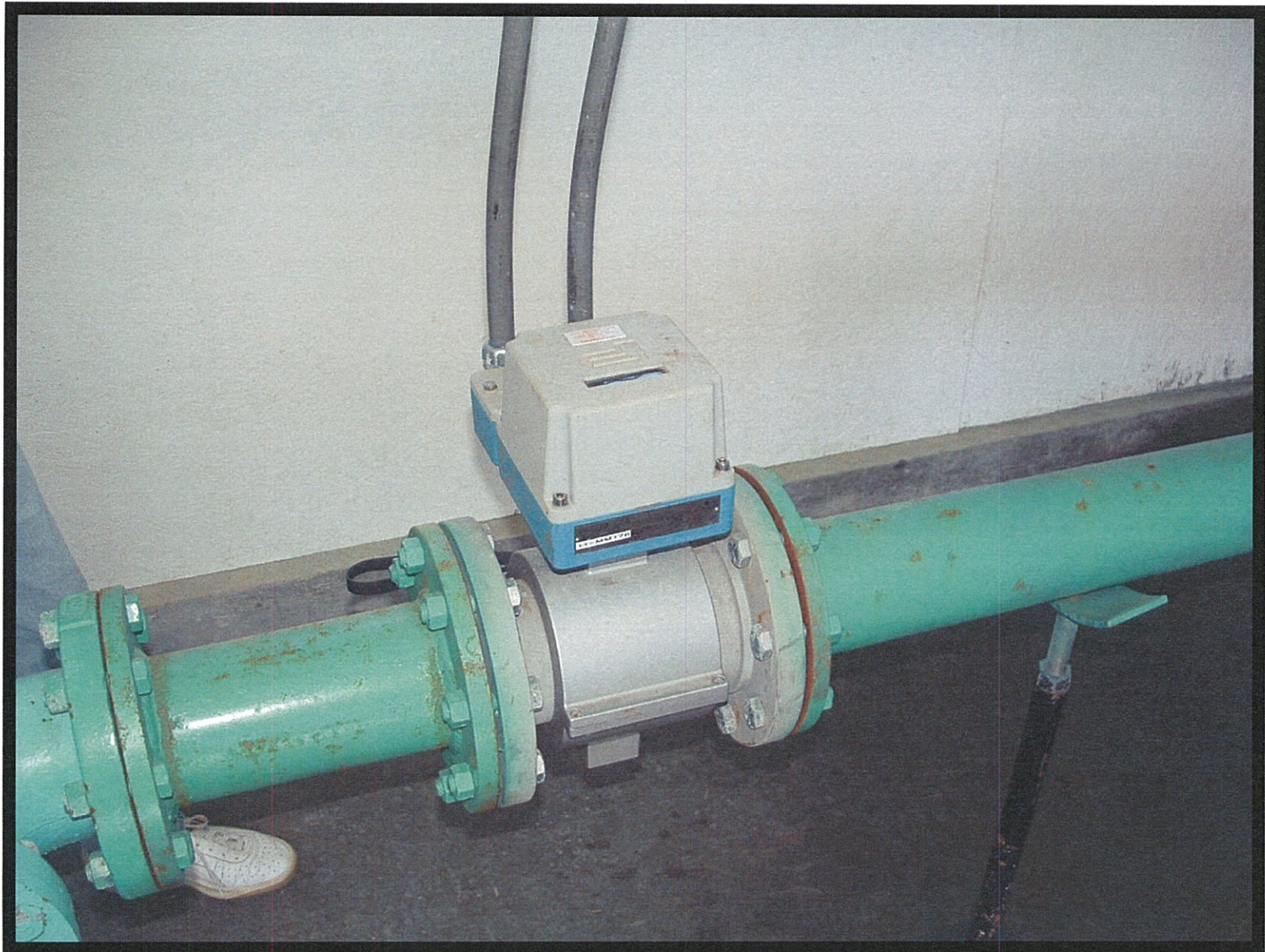
Controlling Works



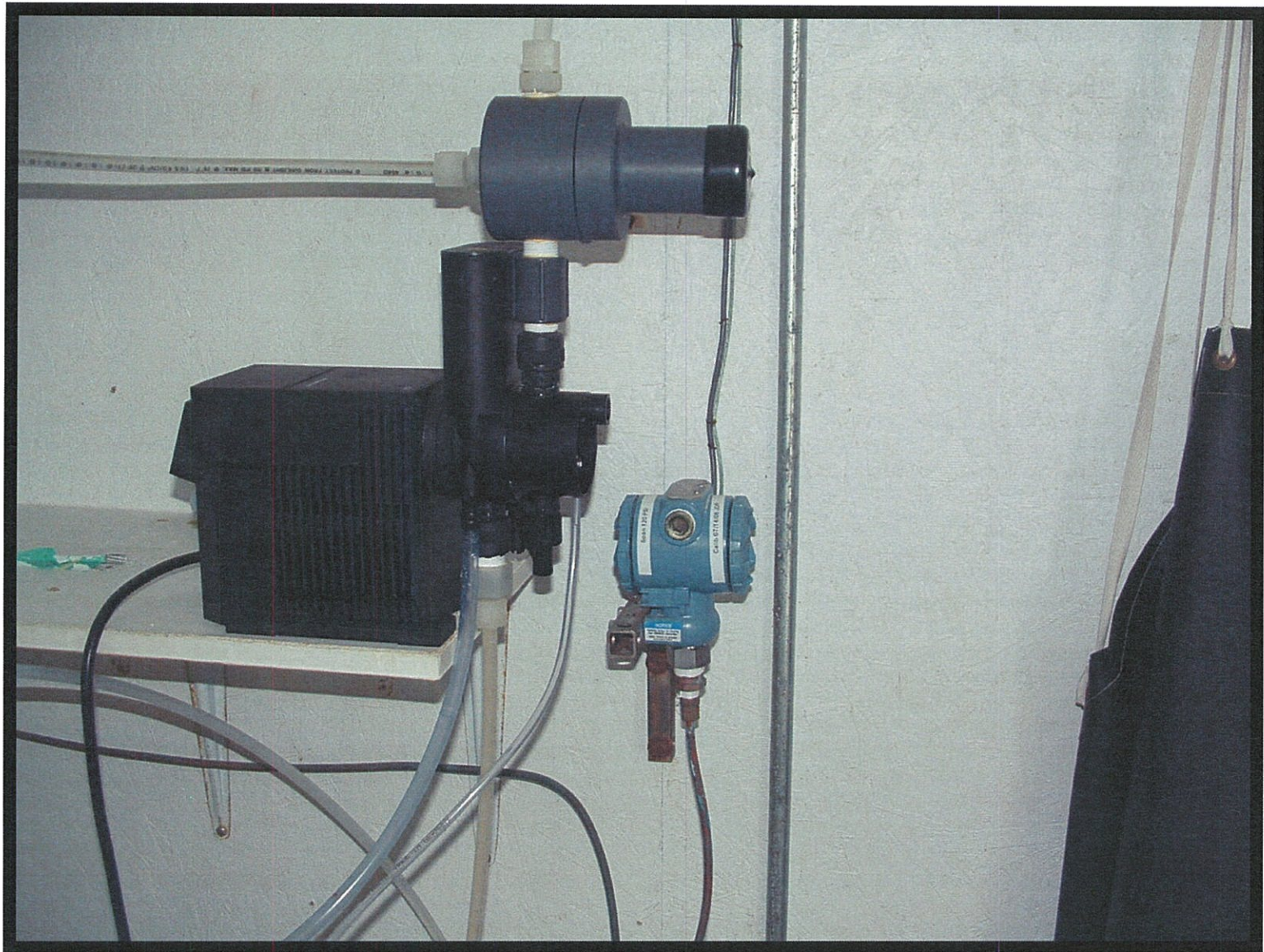
Diversion Works



Flowmeter for 125 Hp Pump



Flowmeter for 15 Hp Pump



SCADA System



Well and Pump House