

**STARTING
LEFT
SIDE OF
FILE**

SC-1111

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

AMENDED* Permit to Appropriate Water *AMENDED
NO. 65-23089

Priority: October 6, 2006

Maximum Diversion Rate: 2.00 CFS

This is to certify, that EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702

has applied for a permit to appropriate water from:

Source: GROUND WATER **Tributary:** SOUTH FORK PAYETTE RIVER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MUNICIPAL	01/01 to 12/31	2.00 CFS

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE¼SW¼ Sec. 27, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	NE¼NE¼ Sec. 34, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	SE¼NE¼ Sec. 34, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	NE¼NW¼ Sec. 34, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	NE¼SW¼ Sec. 35, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	NW¼SE¼ Sec. 35, Twp 09N, Rge 04E, B.M.	BOISE County

CONDITIONS OF APPROVAL

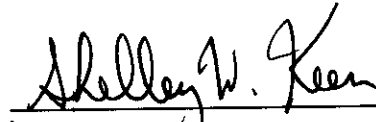
1. Proof of application of water to beneficial use shall be submitted on or before **June 1, 2012**.
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
4. Water bearing zone to be appropriated is from 50 to 300 feet.
5. Prior to diversion of water under this approval, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.
6. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 65.

State of Idaho
Department of Water Resources**Permit to Appropriate Water**

NO. 65-23089

7. The right holder shall contact the watermaster by June 15 each year for authorization to continue diverting and using water for consumptive uses. The right holder shall not divert water for consumptive uses after June 15 each year unless the watermaster authorizes continued diversion and use of water under this water right. When the watermaster informs the right holder that water is not available to fill this right, the right holder shall cease diversion, shall rent water from the Payette River Rental Pool, or shall otherwise mitigate for the depletion of water caused by this water use. The department may amend the contact date listed in this administrative provision to more closely coincide with the date when water is not available to fill this water right. The department may also waive these watermaster contact and authorization requirements for any constructed well authorized under this permit if the permit holder demonstrates that withdrawal of ground water from the well will not reduce flows in the Payette River.
8. 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.
9. Place of use is within the area served by the public water supply system of Eagle Springs Ranch, LLC. The place of use is generally located within Sections 27, 28, 34 and 35, Township 9N, Range 4E.
10. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustration purposes.
11. This right does not grant any right-of-way or easement across the land of another.
12. Prior to or in connection with the proof of beneficial use statement to be submitted for municipal water use under this right, the right holder shall provide the department with documentation showing that the water supply system is being regulated by the Idaho Department of Environmental Quality as a public water supply and that it has been issued a public water supply number.
13. 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 if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed 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.
14. 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 the permit holder had no control.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 3rd day of July, 2007.


for DAVID R. TUTHILL, JR., Director

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 65-23089

Priority: October 06, 2006

Maximum Diversion Rate: 2.00 CFS

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519 W FRONT ST
BOISE ID 83702

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MUNICIPAL	01/01 to 12/31	2.00 CFS

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE¼ SW¼ Sec. 27, Twp 09N, Rge 04E, B.M.	BOISE County
GROUND WATER	NE¼ NE¼ Sec. 34, Twp 09N, Rge 04E, B.M.	BOISE County
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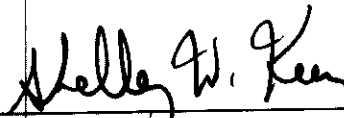
State of Idaho
Department of Water Resources

Permit to Appropriate Water

NO. 65-23089

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This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 5th day of June, 2007.

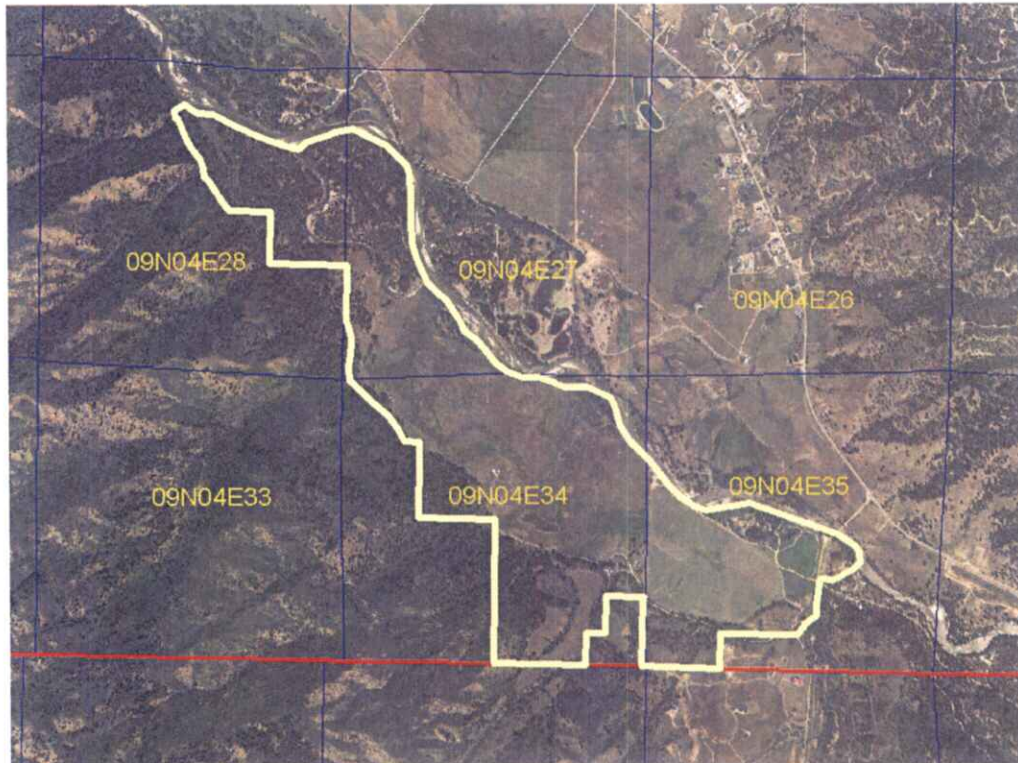

for DAVID R. TUTHILL, JR., Director

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 65-23089

Digital Boundary for Eagle Springs Ranch, LLC

June 5, 2007



0.6 0 0.6 1.2 Miles

-  Digital Boundary - Eagle Springs Ranch, LLC
-  Township/Range
-  Sections



RECEIVED

OCT 06 2006

APR 26 2007

Ident. No. 65-23089

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

AMENDED APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant Eagle Springs Ranch, LLC Phone (208) 429-9596
Mailing address 519 W Front St Boise, ID 83702
2. Source of water supply Ground Water which is a tributary of _____
3. Location of point of diversion is Township 9N Range 4E Sec. 27, in the _____ 1/4,
✓ SE 1/4, SW 1/4, Govt. Lot _____, B.M., Boise County; additional points of diversion if any:
Section 34 NENW, Section 34 SENE, Section 34 NENE, Section 35 NESW, Section 35 NWSE
4. Water will be used for the following purposes:
- Amount 2.0 cfs for Municipal purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 2.0 cfs and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source Up to six wells with 30-hp pumps, booster station, storage tank, and distribution system to approximately 670 homes and commercial facilities.
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet;
total reservoir capacity _____ acre-feet
- c. Proposed well diameter is 8 inches; proposed depth of well is 300 feet
- d. Is ground water with a temperature of greater than 85°F being sought? no
- e. If well is already drilled, when? n/a; Drilling firm _____
Well was drilled for (well owner) _____; Drilling Permit No. _____
7. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
- a. Hydropower; show total feet of head and proposed capacity in kW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; show name of municipality. Southfork Landing Subdivision
- d. Domestic; show number of households. _____
- e. Other; describe fully. _____

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9N	4E	27						M	M		M	M	M	M			M		
		28	M	M	M	M	M			M					M				
		34	M	M	M	M	M	M		M					M	M	M	M	
		35						M	M	M	M	M	M	M		M	M		

10-5-06

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. Rights 65-5633, 65-5696, 65-13559, 65-13399, 65-8850, and 65-11324 will continue to be used for irrigation purposes.

11. a. Who owns the property at the point of diversion? Applicant (Sections 27, 28, 34) and Barnes Family Trust (Section 35)
- b. Who owns the land to be irrigated or place of use? Applicant (Sections 27, 28, 34) and Barnes Family Trust (Sec 35)
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Applicant has an agreement with the Barnes Family Trust for subdivision development on the Barnes Family Trust property.

12. Remarks: This application seeks to appropriate ground water to supply the following uses for the Southfork Landing subdivision: (1) in-house uses for approximately 670 homes with associated demands of 480 gpm, (2) residential lot irrigation for 150 homes with irrigation demands of 100 gpm, (3) common area irrigation demands of 100 gpm, (4) commercial uses with estimated demands of 90 gpm, and (4) 130 gpm of additional capacity for fire protection. The proposed system will consist of up to six wells, a booster station, a storage tank, and distribution system. Irrigation uses for 520 homes and common areas in zone 1 (see attached map) will be supplied through a secondary pressurized irrigation system using the rights described in item 10. The proposed water bearing zone is from 50 to 300 feet. Ownership of this proposed municipal water right will ultimately be transferred to a homeowner's association or other appropriate entity. A separate application for amenity ponds as shown on the preliminary plat will be submitted in the future. This application does not propose any diversion for pond filling or maintenance, nor will water diverted from the wells proposed by this application be used for filling and/or maintaining ponds without first obtaining appropriate water rights.

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

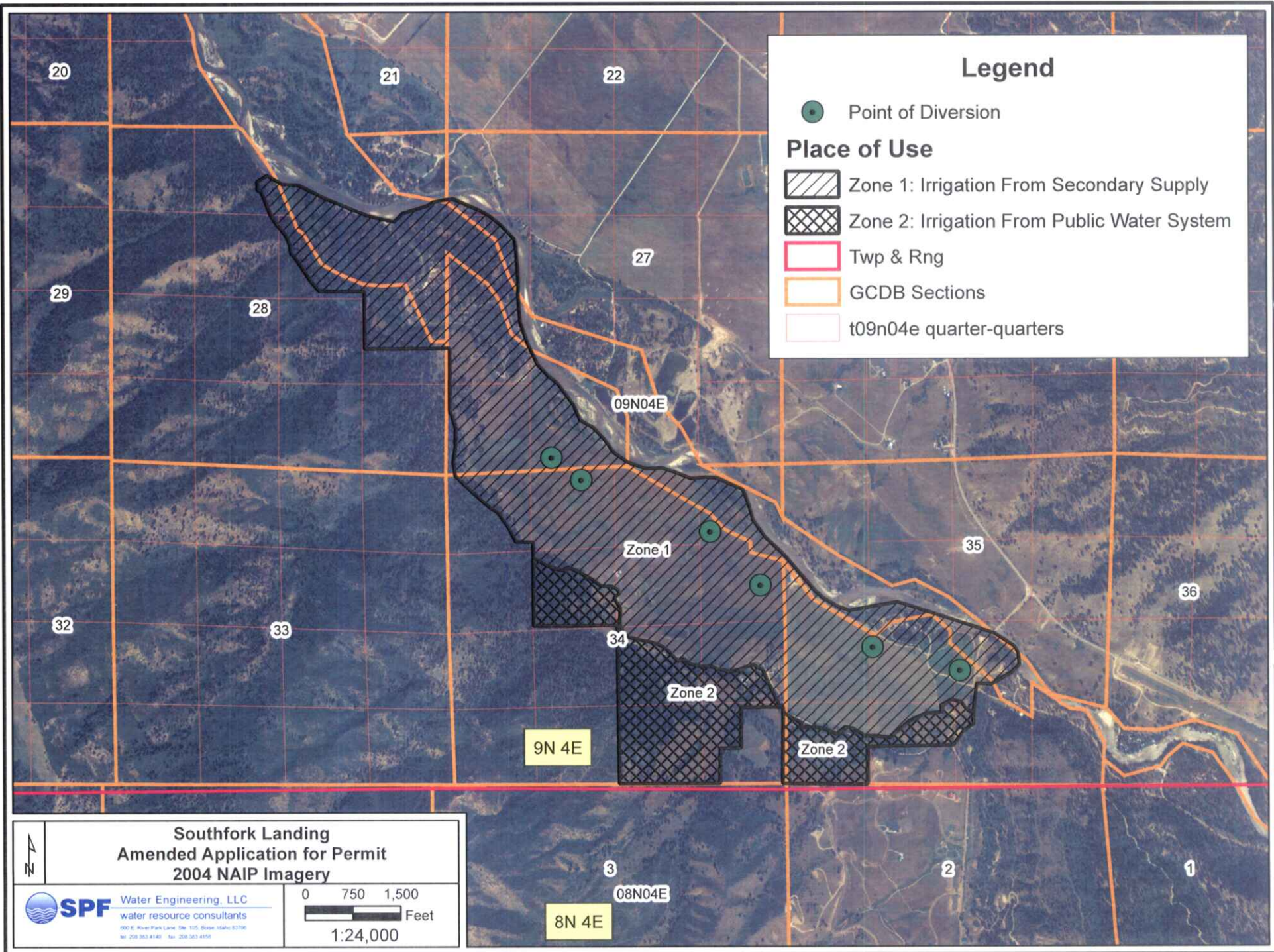
BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

C. Lloyd McElroy Managing Partner
Signature of Applicant (and title, if applicable)

Received by SL Date 10/6/06 Time 8:50 Preliminary check by SL
* Fee \$ _____ Received by _____ # _____ Date _____
Publication prepared by SL Date 10/11/06 Published in _____
Publication approved SL Date 11/15/06 **IDAHO WORLD** 10/18/06

* SEE ORIGINAL - NO ADDITIONAL FEE NEEDED

65-23089



RECEIVED

FORM 202

FEB 16 2006

WATER RESOURCES
WESTERN REGIONIdent. No. 65-23089 12/99STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant Eagle Springs Ranch, LLC Phone (208) 429-9596
Mailing address 519 W Front St Boise, ID 83702
2. Source of water supply Ground Water which is a tributary of _____
3. Location of point of diversion is Township 9N Range 4E Sec. 27, in the _____ $\frac{1}{4}$,
SE $\frac{1}{4}$, SW $\frac{1}{4}$, Govt. Lot 7, B.M., Ada County; additional points of diversion if any:
Section 34 NENW, Section 34 SENE (lot 3, 2 PODs), Section 35 NESW (lot 6); Section 35 SWSE (lot 7)
4. Water will be used for the following purposes:

Amount <u>1.3 cfs</u> (cfs or acre-feet per annum)	for <u>Domestic</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount <u>0.5 cfs</u> (cfs or acre-feet per annum)	for <u>Irrigation</u>	purposes from <u>3/15</u> to <u>10/31</u> (both dates inclusive)
Amount <u>0.2 cfs</u> (cfs or acre-feet per annum)	for <u>Commercial</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount <u>2.0 cfs</u> (cfs or acre-feet per annum)	for <u>Fire Protection</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
5. Total quantity to be appropriated is (a) 2.0 cfs and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source Up to six wells with 30-hp pumps, booster station, storage tank, and distribution system to approximately 670 homes and commercial facilities.
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet;
total reservoir capacity _____ acre-feet
 - c. Proposed well diameter is 8 inches; proposed depth of well is 300 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? no
 - e. If well is already drilled, when? n/a; Drilling firm _____;
Well was drilled for (well owner) _____; Drilling Permit No. _____
7. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity in kW. _____
 - b. Stockwatering; list number and kind of livestock. _____
 - c. Municipal; show name of municipality. _____
 - d. Domestic; show number of households. 670 homes
 - e. Other; describe fully. Commercial facilities including a conference center with restaurant, spa, and condominiums; a winery; two retail buildings; a restaurant; an amphitheater; a clubhouse with swimming pool and tennis courts; an equestrian center; and a sewage treatment plant.

Superseded

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
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			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9N	4E	27							D (lot 4)			D (lot 6)	D, C	D (lot 7)					
		28			D (lot 3)	D	D (lot 2)			D					D (lot 4)				
		34	D (lot 1)	D (lot 2)	D, C	D (lot 3)	D	D, C		D, C					D, C	D, C	D	D	
		34								4					3	3	3	3	16
		35									D (lot 6)	D (lot 5)	D	D			D (lot 7)		
		35											4	4			1		9

Total number of acres to be irrigated 25

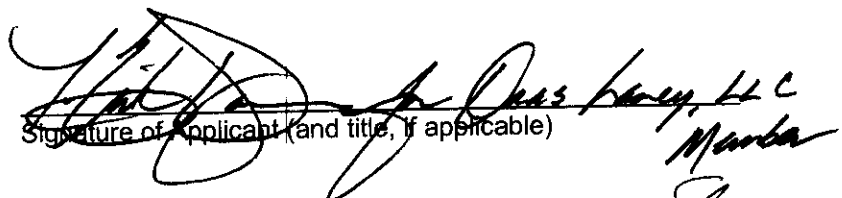
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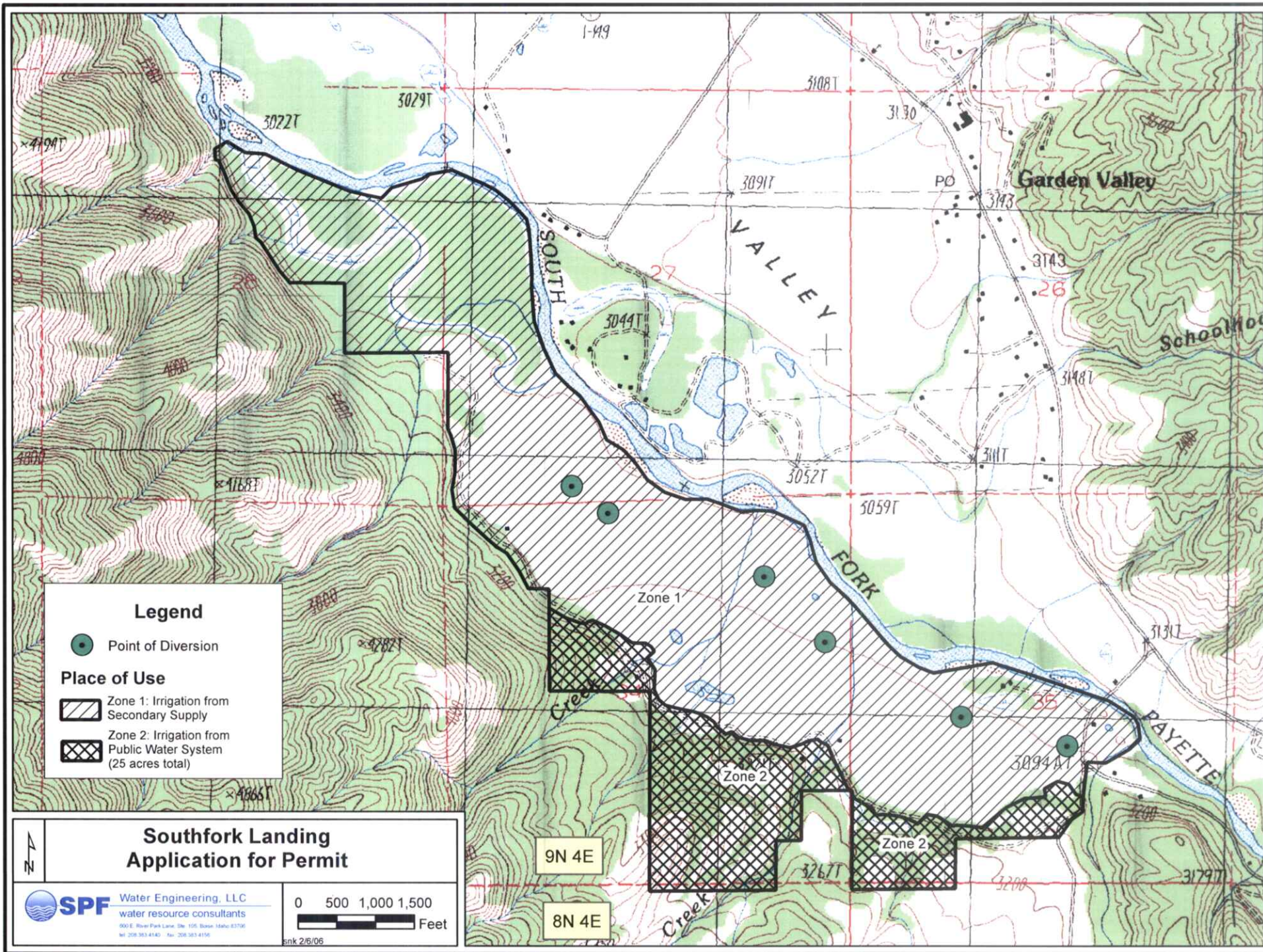
12. Remarks: This application seeks to appropriate ground water to supply in-house uses for approximately 520 homes, in-house and irrigation for 150 homes, commercial uses, and fire protection for the Southfork Landing subdivision. The proposed system will consist of up to six wells, a booster station, a storage tank, and distribution system. Irrigation uses for 520 homes and common areas in zone 1 (see attached map) will be supplied through a secondary pressurized irrigation system using the rights described in item 10. Proposed water bearing zone from 50 to 300 feet.

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BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.


Signature of Applicant (and title, if applicable)

Received by DB Date 2-16-06 Time 11:00 Am Preliminary check by JK
 Fee \$ 290- Received by DB # W1033835 Date 2-16-06
 Publication prepared by _____ Date _____ Published in _____
 Publication approved _____ Date _____



Southfork Landing

Preliminary Plat

February 13, 2006

Sheet No. 5

1. PHASE LIMIT AS SHOWN HEREON IS INTENDED TO ILLUSTRATE THE ANTICIPATED PROJECT DEVELOPMENT SEQUENCE. IN ADDITION TO THE LOT DEVELOPMENT ENCOMPASSED WITHIN EACH PHASE, OTHER INFRASTRUCTURE AND/OR UTILITY IMPROVEMENTS MAY BE REQUIRED.



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without written permission from
The Land Group, Inc.

PROJECT NO. 10961
DATE 02/13/2006

Legend

- PROJECT BOUNDARY
- APPROXIMATE PHASE LINE
- FOUND GOVT MONUMENT
- CALCULATED POINT (NOTHING FOUND OR SET)
- FOUND 5/8"-IN STEEL PIN OR AS NOTED
- SET 5/8"-IN STEEL PIN WITH CAP MARKED "PLS 7314"
- APPROXIMATE POND / WATERWAY

Southfork Landing
Preliminary Plat
Boise County, Idaho



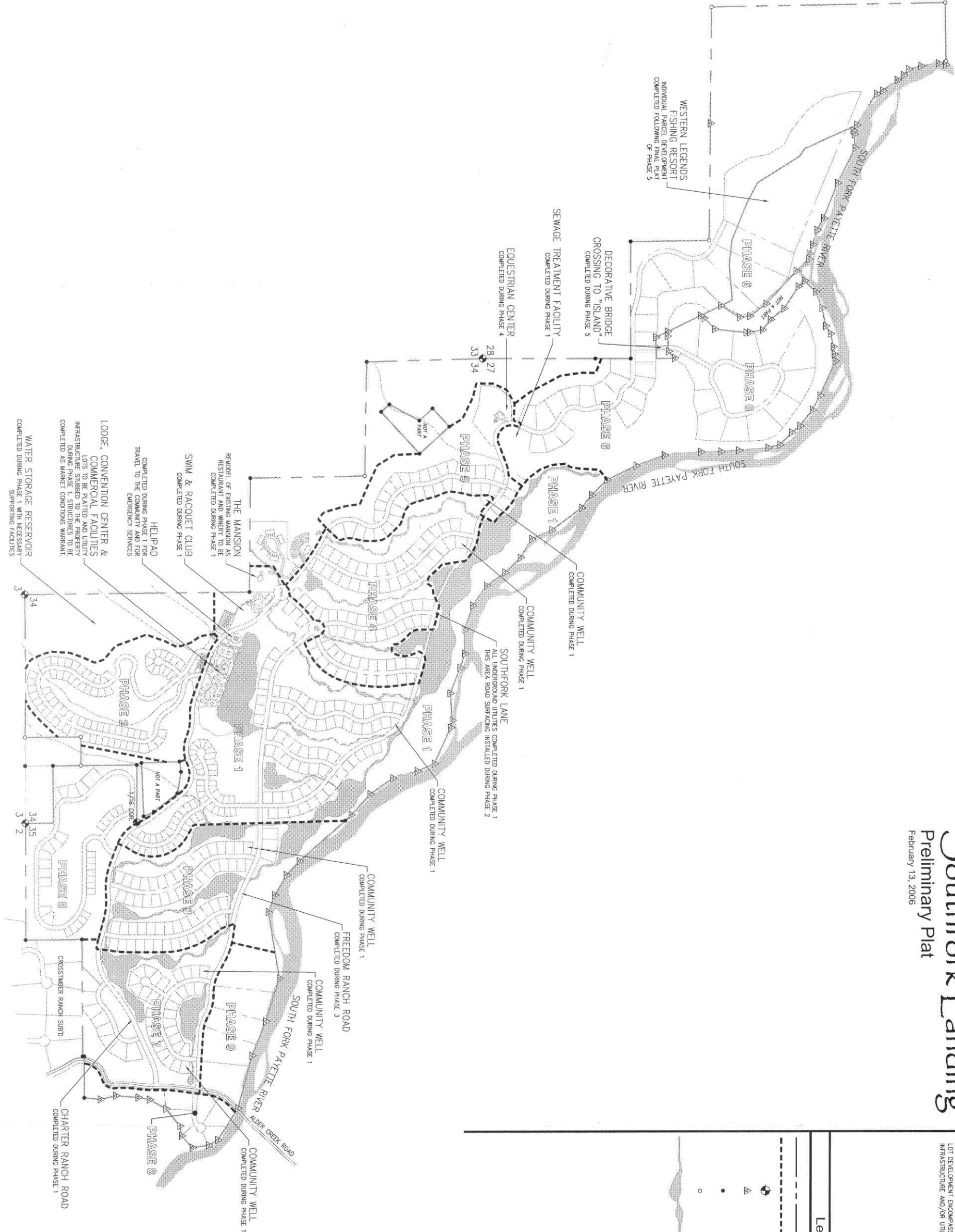
462 East Shore Drive,
Suite 100
Eagle, Idaho 83616
Phone (208) 939-4441
Fax (208) 939-4445
www.thelandgroupinc.com

Project Number: 05187L00
Designed By: dm
Drawn By: jpd
Checked By: hg
Issue Date: 02-13-2006



Sheet Title:
PROJECT PHASING PLAN

Sheet Number:
P-1.1





IDAHO SECRETARY OF STATE Viewing Business Entity

Ben Ysursa, Secretary of State

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[[Get a certificate of existence for EAGLE SPRINGS RANCH, LLC](#)]

EAGLE SPRINGS RANCH, LLC

519 W FRONT ST
BOISE, ID 83702

Type of Business: LIMITED LIABILITY COMPANY

Status: EXISTING, ANREPT SENT 04 Jan 2006

State of Origin: IDAHO

Date of 11 Mar 2005

Origination/Authorization:

Current Registered Agent: T ERIK OAAS
519 W FRONT ST
BOISE, ID 83702

File Number: W37405

Date of Last Annual Report: 27 Jan 2006

Amendments:

Amendment filed 11 Mar 2005 ARTICLES OF
ORGANIZATION

[View Document
Online](#)
[Download \(TIFF
format\)](#)

Annual Reports:

Report for year 2006 ANNUAL REPORT

[View Document Online](#)
[Download \(TIFF format\)](#)

[Idaho Secretary of State's Main Page](#)

[State of Idaho Home Page](#)

Comments, questions or suggestions can be emailed to: sosinfo@idsos.state.id.us

RECEIVED

FEB 28 2006

WATER RESOURCES
WESTERN REGION

REQUEST TO PROCESS

COMPLETE REQUEST IF YOU WANT YOUR APPLICATION TO BE PROCESSED
USING ONE OF THE THREE ALTERNATIVES BELOW

Name of Applicant EAGLE SPRINGS RANCH, LLC
Mailing Address 519 W FRONT ST
BOISE, ID 83702
Application No. (if known) _____

_____ IN LOCAL PUBLIC INTEREST

Yes, I want my application processed and before it is advertised, I will amend my application to demonstrate that the proposed appropriation is in the local public interest including the need to preserve flows in the Snake River during the migration periods of anadromous fish.

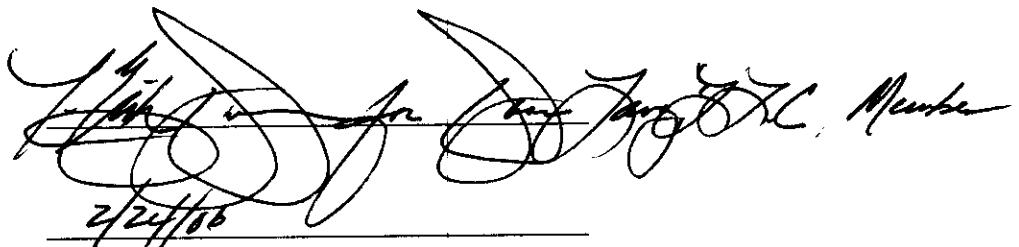
_____ PROPOSE MITIGATION NOW

Yes, I want my application processed and before it is advertised, I will amend my application to include proposed mitigation to offset anticipated depletions in the Snake River during periods of anadromous fish migration.

X WILL AGREE TO MITIGATION IN THE FUTURE IF NECESSARY

Yes, I want my application processed at this time, and I will accept a condition of approval that will require mitigation should the Director of the Idaho Department of Water Resources determine that mitigation is necessary to offset depletions from this appropriation to flows in the Snake River during periods of anadromous fish migration. I understand that mitigation is not required now but may be needed in the future. I also understand that the Director will not require mitigation until I have an opportunity to review the process by which the need for mitigation is established and the amount of water required is quantified.

Signature


2/24/06

Date

Please return this form to:

Idaho Department of Water Resources Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

Idaho Department of Water Resources Receipt

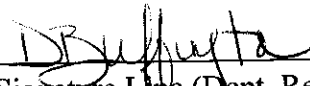
Receipt ID W033835

Payment Amount	\$290.00	Date Received	2/16/2006 12:31:57 PM	Region	Western	Status	
Payment Type	Check	Check Number	1941				

Payer	SPF WATER ENGINEERING
Comment	APPLICATION FOR PERMIT: EAGLE SPRINGS RANCH LLC

Fee Detail

Amount	Description	Fund	FD	PCA	SO
\$290.00	PERMITS	0229	21	62103	1155


Signature Line (Dept. Representative)

**NOW
STARTING
RIGHT
SIDE OF
FILE**



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

July 5, 2007

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702

RE: Water Appropriation Permit 65-23089

Dear Water Right Holder(s):

The Department of Water Resources (IDWR) has issued the enclosed amended Permit to Appropriate Water. The amended permit is a revised **preliminary order** issued by the Department pursuant to Rule 760 of IDWR's Rules of Procedure (IDAPA 37.01.01.760). It supersedes the permit issued on June 5, 2007. **The preliminary order can and will become a final order without further action of the Department unless a party petitions for reconsideration or files an exception and/or brief as further described in the enclosed information sheet.**

If you have questions, please contact me at (208) 287-4947.

Sincerely,

Shelley W. Keen, Manager
Water Right Permits Section

Enclosure

Cc: Scott King, SPF Water Engineering LLC

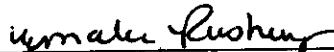
CERTIFICATE OF SERVICE

I hereby certify that on July 6, 2007 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved Amendment of Permit) to the person(s) listed below:

RE: WATER RIGHT PERMIT NO.

**EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702**

**SPF WATER ENGINEERING LLC
C/O SCOTT KING
600 E RIVER PARK LN STE 105
BOISE ID 83706**



**Emalee Rushing
Technical Records Specialist**

Statement of Available Procedures and Applicable Time Limits

RESPONDING TO PRELIMINARY ORDERS ISSUED BY THE IDAHO DEPARTMENT OF WATER RESOURCES (To be used in connection with actions when a hearing was not held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

July 6, 2007

RON SHURTLEFF
102 N MAIN ST
PAYETTE ID 83661

RE: *Amended Water Right Permit #65-23089*

Dear Watermaster:

Enclosed is a copy of the recently issued Amended Permit for the above referenced water rights in the name of Eagle Springs Ranch LLC.

If you have any questions, please call me at 208-287-4952.

Sincerely,

A handwritten signature in cursive script that reads "Emalee Rushing".

Emalee Rushing
Technical Records Specialist

Enclosure

Peppersack, Jeff

From: Peppersack, Jeff
Sent: Wednesday, June 27, 2007 4:24 PM
To: 'SKing@spfwater.com'
Subject: Petition for Reconsideration - Permit 65-23089

Scott,
We received your petition to reconsider condition 7 of permit 65-23089. Since the application indicated that withdrawal from the shallow aquifer was possible and SPF's report indicated that discharge from the aquifers are tributary to the South Fork Payette River, I'm reluctant to remove the watermaster contact and authorization condition until it is shown that the completed well will not reduce flows in the river. I'm proposing to add a line at the end of the existing condition that will be something like the following:

The department may also waive these watermaster contact and authorization requirements for any constructed well authorized under this permit if the permit holder demonstrates that withdrawal of ground water from the well will not reduce flows in the Payette River.

I've discussed this with Western region and the watermaster and they support the change. I plan to issue an amended permit approval with this change. Please let me know if you have additional comments before next week.

Jeff

Peppersack, Jeff

To: waterdist65@srvinet.com
Subject: Permit 65-23089 - Eagle Springs Ranch

Mr. Shurtleff,

We recently received a petition for reconsideration from SPF Engineering regarding the permit referenced above (see attached). The petition asks the Department to remove or modify condition 7 requiring watermaster contact and authorization for diversion after June 15.

The application suggests that wells may be developed from 50 to 300 feet and SPF's report indicates that the aquifers are tributary to the S. Fork Payette River.

I'm reluctant to remove the condition without demonstration that the ground water withdrawal will not reduce flows in the Payette River. I am proposing to modify the existing condition by adding a sentence at the end. The entire condition would read as follows:

The right holder shall contact the watermaster by June 15 each year for authorization to continue diverting and using water for consumptive uses. The right holder shall not divert water for consumptive uses after June 15 each year unless the watermaster authorizes continued diversion and use of water under this water right. When the watermaster informs the right holder that water is not available to fill this right, the right holder shall cease diversion, shall rent water from the Payette River Rental Pool, or shall otherwise mitigate for the depletion of water caused by this water use. The department may amend the contact date listed in this administrative provision to more closely coincide with the date when water is not available to fill this water right. The department may also waive these watermaster contact and authorization requirements for any constructed well authorized under this permit if the permit holder demonstrates that withdrawal of ground water from the well will not reduce flows in the Payette River.

I plan to issue an amended permit next week. Let me know if you have concerns about this change.

Thanks,
Jeff Peppersack
Bureau Chief
Water Allocation Bureau
208-287-4948



2007062515070863
2.pdf

**SPF**

Water Engineering, LLC
water resource consultants

Gay -

RECEIVED

JUN 21 2007

DEPARTMENT OF
WATER RESOURCES

June 21, 2007

Idaho Department of Water Resources
The Idaho Water Center
322 E Front St
Boise, ID 83720-0098

Via Hand Delivery

Attention: David R. Tuthill, Jr., Director

Subject: Petition for Reconsideration, Permit No. 65-23089

Dear Director Tuthill,

On behalf of our client, Eagle Springs Ranch, LLC, we request that IDWR reconsider Condition of Approval #7 which has been applied to the above referenced permit. This condition requires the permit holder to contact the Basin 65 watermaster annually for authorization to continue diverting and using water for consumptive uses. We understand that this condition was likely applied because wells constructed under this permit could potentially divert ground water that is considered directly tributary to the South Fork Payette River. The water bearing zone described in the permit is from 50 to 300 feet.

Not all wells will be constructed immediately. At this point, we do not know final construction details for the wells authorized by this permit. There is a potential that these wells may, or may not, develop aquifer layers that could be considered directly tributary to surface water sources.

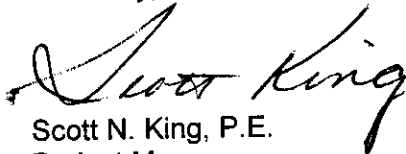
Final well construction could result in diversions from ground water that may not be directly tributary to the South Fork Payette River. For example, the first completed project well, identified as **Well No 3**, was constructed to divert water from water bearing zones ranging from approximately 190 to 275 feet below ground surface. Static water level in the well is approximately 40 feet below ground surface. The driller's report describes significant clay and cemented gravel confining layers above 200 feet. The South Fork Payette River is approximately 20 feet below ground surface at Well No 3. Based on this information, it appears unlikely that the water bearing zones developed for this well are directly tributary to or from nearby surface water, including South Fork Payette River.

Therefore, we request that condition number seven (7) be removed, or at least modified to address the likely situation where ground water diversions will be developed in aquifer layers that are not tributary to surface water. We anticipate that determinations of tributary characteristics will be required on a well-by-well case to determine the likelihood of impacting surface water supplies. One suggested approach is to modify the condition as follows:

The right holder ~~shall~~ may be required to contact the watermaster by June 15 each year for authorization to continue diverting and using water for consumptive uses...

We welcome the opportunity to discuss alternatives to this Condition of Approval. Please let me know if you have any questions or if we need to supply additional information.

Sincerely,

A handwritten signature in black ink that reads "Scott King". The signature is fluid and cursive, with the first name "Scott" and last name "King" clearly distinguishable.

Scott N. King, P.E.
Project Manager

cc: Eagle Springs Ranch, LLC

File: 391.0020



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

June 8, 2007

EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702

RE: Permit No. 65-23089

Permit Approval Notice

Dear Permit Holder:

The Department of Water Resources has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permit.

The permit is a PRELIMINARY ORDER issued by the Department pursuant to Section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed.

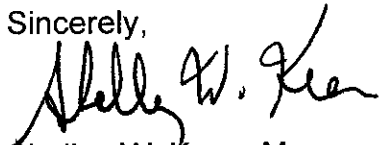
The Department will send you a 'Proof Due Notice' approximately 60 days prior to the above referenced date requesting you to file either a Proof of Beneficial Use form or a Request for Extension of Time form.

The right to drill a well is not a part of this permit to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under this water right permit were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Ground Water Protection Section located here at this office or our regional office nearest you.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4947.

Sincerely,

A handwritten signature in black ink, appearing to read "Shelley W. Keen". The signature is fluid and cursive, with the first name "Shelley" being more prominent.

Shelley W. Keen, Manager
Water Right Permits Section

Enclosure(s)

cc: SPF WATER ENGINEERING LLC

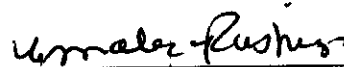
CERTIFICATE OF SERVICE

I hereby certify that on June 8, 2007 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved Permit) to the persons listed below:

RE: WATER RIGHT NO. 65-23089

**EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702**

**SPF WATER ENGINEERING LLC
C/O SCOTT KING
600 E RIVER PARK LN STE 105
BOISE ID 83706**

A handwritten signature in cursive script, appearing to read "Emalee Rushing", is written over a horizontal line.

**Emalee Rushing
Technical Records Specialist**

Statement of Available Procedures and Applicable Time Limits

RESPONDING TO PRELIMINARY ORDERS ISSUED BY THE IDAHO DEPARTMENT OF WATER RESOURCES (To be used in connection with actions when a hearing was not held)

(Required by Rule of Procedure 730.02)

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PETITION FOR RECONSIDERATION

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Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

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FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

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- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C. L. "BUTCH" OTTER
Governor

DAVID R. TUTHILL, JR.
Interim Director

June 7, 2007

RON SHURTLEFF
102 N MAIN ST
PAYETTE ID 83661

RE: Water Right Permit #65-23089

Dear Watermaster:

Enclosed is a copy of the recently issued Permit for the above referenced water rights in the name of Eagle Springs Ranch LLC.

If you have any questions, please call me at 208-287-4952.

Sincerely,

A handwritten signature in black ink, appearing to read "Emalee Rushing". The signature is written in a cursive, flowing style.

Emalee Rushing
Technical Records Specialist

Enclosure

MEMORANDUM

Date: June 07, 2007
To: Water Right File 65-23089
From: eretelle
Re: agreement between landowners

Consultant provided copies of portion of agreement between developer and landowner. The portion provided is the first page and the page pertaining to water rights. The agreement was not included in its entirety because it contains confidential information that the applicant did not want entered into the file. I perused the entire (signed) original document earlier today.

INFRASTRUCTURE DEVELOPMENT AGREEMENT

THIS INFRASTRUCTURE DEVELOPMENT AGREEMENT (this "Agreement") is entered into this ~~20th~~ day of February, 2006 (the "Effective Date"), by and between Southfork Development, LLC, an Idaho limited liability company ("Southfork"), and Lenora Barnes Revocable Living Trust ("Barnes Trust"). Southfork and Barnes Trust are sometimes referred to herein individually as a "Party" and collectively as "Parties."

RECITALS:

A. Eagle Springs Ranch, LLC, an Idaho limited liability company ("ESR"), a company related to Southfork, and Barnes Trust own adjoining real properties located in Boise County, Idaho. Both properties require road and utility infrastructure and improvements for development.

B. ESR owns that certain real property legally described and depicted on Exhibit A, attached hereto and made a part hereof (the "Southfork Property"). Barnes Trust owns that certain real property legally described and depicted on Exhibit B, attached hereto and made a part hereof (the "Barnes Property"). The Barnes Property does not include approximately twenty-five (25) acres of real property owned by Barnes Trust, which shall be retained by the Trust, and which is also depicted on Exhibit B (the "Barnes Compound").

C. ESA and Barnes Trust have filed, or in the immediate future will file, a joint application to Boise County for conceptual planned development and preliminary subdivision plat approval in connection with the Southfork Property and the Barnes Property (collectively, the "Project"). The Project application is contemplated to include a request for 475 homes on the Southfork Property and 160 homes on the Barnes Property for a total of 635 homes.

D. The Parties acknowledge and agree that it will be necessary to provide for the design and construction of access-way and utilities, so that development of the Southfork Property and the Barnes Property can occur in accordance with the Project plans approved by Boise County and as desired by the Parties.

E. The Parties acknowledge and agree that it will be necessary to provide easements on, over, across, under and through both the Southfork Property and the Barnes Property to ensure the development of the access and utility infrastructure described herein and as may become necessary for the development of the Project and that each Party shall provide, gratis, the necessary easements.

F. It is the best interest of and the intent of the Parties that each Party proportionately share the costs of access and infrastructure design and construction in order to ensure a timely and economical development of the Project, and it is in the best interest of and the intent of the Parties that each Party proportionately share the costs of marketing in connection with the Project. This proportionate share shall be based on the greater of: (i) the number of homes in the Project requested for approval by Boise County in the joint application; or (ii) the number of homes in the Project actually approved by Boise County. Based on the number of homes requested for approval in the joint application, Southfork's proportionate share is [REDACTED] and Barnes Trust's proportionate share is [REDACTED].

G. It is the intent of the Parties that, following the provision of easements and the design and construction of access and utility infrastructure, each Party shall separately complete the development of the Southfork Property and the Barnes Property.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are

hereby acknowledged and agreed, and in consideration of the recitals above, which are incorporated herein, and the premises and the mutual representations, covenants, undertakings and agreements hereinafter contained, the parties represent, covenant, undertake and agree as follows.

1. Term. The term of this Agreement shall commence on the Effective Date and expire six (6) months after the receipt of a certificate of the last inspection and acceptance of the access and utility infrastructure, unless this Agreement is terminated earlier pursuant to this Agreement (the "Term"). Upon the expiration or earlier termination of this Agreement, the Parties shall thereafter be automatically relieved and released from all further liabilities and obligations hereunder, except for: (i) liabilities and obligations accruing prior to the date of expiration or earlier termination, and (ii) liabilities and obligations contained herein which are expressly made to extend beyond the Term.

2. Proportionate Share. The proportionate share of Hard & Soft Costs, defined below, to be paid by the Parties in connection with this Agreement are [REDACTED] to be paid by Southfork, and [REDACTED] to be paid by Barnes Trust. For purposes of this Agreement, "Hard & Soft Costs" means all costs and expenses associated with the design and construction of the access and utility infrastructure in connection with the Project, including land acquisitions and soft costs (architecture, engineering, entitlement, construction management, etc.), that will be determined throughout the duration of the Project based on formal written contracts used for the design and construction of the access and utility infrastructure in connection with the Project. Barnes Trust shall reimburse Southfork for any and all Hard & Soft Costs incurred by Southfork within thirty (30) days of the delivery of an invoice to Barnes Trust in connection therewith. If Boise County should approve a number of homes for the Project greater than 635 homes, the Parties shall amend this Agreement to reflect the appropriate proportionate share of Hard & Soft Costs to be paid by each of the Parties.

3. Utilities. Ultimate development of the Project will require expansion of the existing capacity, and the extension of, various public utilities that will serve the Project. Infrastructure improvements to be designed and constructed by Southfork and Barnes Trust include, without limitation:

(a) Domestic Water. Development of the domestic water utility necessary to serve the Project will include, without limitation: 1) design of a domestic water master plan to define the location(s) and depth(s) of wells and main line terminus points; 2) the combination of existing, or the development of new, water rights necessary to provide domestic water for the Project; 3) provision of easements at mutually approved locations within the Project for domestic water facilities; 4) construction of water infrastructure on-site to provide adequate domestic service and fire flow capacity for the Project (to be completed as phases in the Project develop); and 5) cooperation with any and all applicable governmental agencies in connection with approval of the domestic water system.

(b) Sewer. Development of the sanitary sewer system necessary to serve the Project will include, without limitation: 1) design of a sanitary sewer master plan to define the location(s) and depth(s) of main line terminus points, and treatment facilities; 2) provision of easements at mutually approved locations within the Project for sanitary sewer facilities; 3) construction of sanitary sewer infrastructure on-site to provide adequate sewer for the Project (to be completed as phases in the Project develop); and 4) cooperation with any and all applicable governmental agencies in connection with approval of the sanitary sewer system.

(c) Irrigation. Development of a pressurized irrigation system necessary to serve the Project will include, without limitation: 1) design of an irrigation water master plan; 2) combination of existing, or development of new, water rights necessary to provide irrigation water for the Project; 3) provision of easements at mutually approved locations within the Project for irrigation water facilities; and 4) construction of irrigation infrastructure on-site to provide adequate irrigation for the Project (to be completed as phases in the Project develop).

(d) Storm Drainage. Development of a storm drainage system necessary to serve the Project will include, without limitation: 1) design of a storm drainage master plan; 2) provision of

MEMORANDUM

Date: June 05, 2007
To: Water Right File 65-23089
From: eretelle
Re: permit review

WD 65 - groundwater tributary to river
June 15 cutoff for consumptive uses

No protests
Most of subdivision (400 lots) overlapped by SW rights (see maps in file) -
supplemental conditions included

Parallel processed with regional office, recommend approval

→ Requested copy of agreement between applicant
and Barnes Family Trust (partial land owner)

MEMORANDUM

TO: File

FROM: Steve Lester 

DATE: April 12, 2007

RE: Conditions of Approval for Application for Permit No. 65-23089

The application proposes a public water supply (PWS) system for municipal use in Southfork Landing adjacent to the South Fork Payette River in Garden Valley.

Originating as a non-municipal application, it was amended to municipal use prior to advertising. Priority was advanced based on a presumed enlargement - potential increase since municipal volume not capped.

Based on the applicant's original information, IDWR assumed that at least some of the source would be "immediately tributary" to the river and therefore subject to Water District #65 mitigation requirements. The watermaster's reply noted that adequate rental pool water should be available for mitigation if necessary.

A separate surface water system for pressurized irrigation will be constructed under existing rights (transfer application). Additionally, a separate shallow ground water system will be developed for various uses of excavated ponds for the project (application 65-23105). Those two proposals, separate from the PWS system, were filed last November and will be processed later.

IDWR asked for additional information about water supply, injury and so forth – see 10/17/2006 letter. The applicant made a timely response by providing a technical report from SPF Water Engineering – received 2/15/2007. That report and cover letter make a good case for application approval by adequately addressing water supply and availability, injury, financial resources, speculation and local public interest (example: county's preliminary approval of plat).

The report discusses voluntary testing and monitoring as part of the project. Nothing in the file suggests this should be required by IDWR. Conditions of approval about that are not needed.

Recommended Conditions of Approval

Adapted from SunCor Permit 63-31966 as follows, showing condition number and text:

#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.

#128 Place of use is within the area served by the public water supply system of Eagle Springs Ranch, LLC for use within Southfork Landing Subdivision. The place of use is generally located within Sections 27, 28, 34 and 35, Township 09N, Range 04E.

#185¹ The right holder shall contact the watermaster by June 15 each year for authorization to continue diverting and using water. The right holder shall not divert water after June 15 each year unless the watermaster authorizes continued diversion and use of water under this water right. When the watermaster informs the right holder that water is not available to fill this right, the right holder shall cease diversion, shall rent water from the Payette River Rental Pool, or shall otherwise mitigate for the depletion of water caused by this water use. The department may amend the contact date listed in this administrative provision to more closely coincide with the date when water is not available to fill this water right.

#121 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 if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed 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.

#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 the permit holder had no control.

#134 Prior to or in connection with the proof of beneficial use statement to be submitted for municipal water use under this right, the right holder shall provide the department with documentation showing that the water supply system is being regulated by the Idaho Department of Environmental Quality as a public water supply and that it has been issued a public water supply number.

#046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.

#T17 Prior to diversion of water under this right, the right holder shall provide a means of measurement acceptable to the Department from all authorized points of diversion which will allow determination of the total rate of diversion.

Also

Allow 5 years for filing proof of beneficial use.

#004 This right does not grant any right-of-way or easement across the land of another. (See application item 11c).

¹ This is used only because ground water above the first confining layer might be involved (water bearing zone starting at 50 feet per application information). However, PWS regulation might rule that out. Suggest revisiting this condition during licensing to see if it should be deleted. Also see watermaster's 10/30/2006 reply plus database comments.

Lester, Steve

From: Scott King [SKing@spfwater.com]
Sent: Thursday, April 12, 2007 3:25 PM
To: Lester, Steve
Subject: SouthforkLandingWtrAssessRevised092706.pdf

Hi Steve,

Thanks again for meeting with us today. Attached are pages 10-12 of the Water Supply Assessment for Southfork Landing. Please let me know if you need anything further.

Scott

- Pg. 11 was missing from report received 2/15/07
 - Inserted pg 11 to report per this email.
- SR

4/13/2007

3.3. New Applications for Domestic Use

Domestic water supplies for Southfork Landing will require additional water rights. Applications for new water rights will be prepared and submitted to the Idaho Department of Water Resources. The anticipated application will propose a maximum diversion of up to 2 cfs of ground water to supply domestic and commercial water requirements for the development.

4. HYDROLOGIC CONDITIONS IN VICINITY OF SOUTHFORK LANDING DEVELOPMENT

4.1. General Geology

Garden Valley, Idaho lies in a northwest-southeast trending valley surrounded by granitic mountains (Figure 4). The granitic rocks (associated with the Cretaceous-age Idaho batholith) are described as biotite granodiorite and muscovite-biotite granodiorite and granite (Fisher et al., 1992), based on unpublished mapping by T. H. Killsgaard and R. S. Lewis (1981-1983), unpublished mapping by P. L. Weis (1979-1980), and Anderson (1947). Structural controls in the Garden Valley area include the Tertiary-age (or older) Boise Ridge Fault, which runs north-south through Garden Valley. The Middle Fork of the Payette River channel coincides with this fault in the Garden Valley area. An unnamed fault (presumably Tertiary age) runs northwest-southeast along the southwestern portion of Garden Valley. Both of these faults are mapped as crossing the Southfork Landing property.

The valley floor is comprised of Quaternary sediments. Late-Tertiary and Pleistocene terrace sediments form benches in the Garden Valley area (Rember and Bennett, 1979). More recent alluvial sediments are present along the Middle Fork and South Fork river corridors.

4.2. Drillers' Report Review

Available Drillers' reports for wells in the Southfork Landing area were downloaded from the IDWR well construction database. The search area for drillers' reports consisted of all or portions of T9N R4E Sections 26, 27, 28, 34, and 35. Information on 45 wells was available for this area¹. A summary of these drillers' reports is provided in Appendix A. Copies of drillers' reports are provided in Appendix B. The

*copied to original pg 10
in report 5
inserted
pg. 11*

¹ Drillers' reports in the IDWR database are catalogued based on locations provided by the driller. Some wells may have been omitted from this search because of incorrectly listed well locations, and some wells listed in this search area may be incorrectly located.



February 14, 2007

Steve Lester
Idaho Dept. of Water Resources
Western Region Office
2735 Airport Way
Boise, ID 83705

RECEIVED

FEB 15 2007

WATER RESOURCES
WESTERN REGION

Re: Application for Permit 65-23089 - Eagle Springs Ranch LLC

Dear Steve,

In response to your October 17, 2006 request, this letter addresses additional information required by IDWR to evaluate the application referenced above. Included is information about the following:

1. Water Supply
2. Injury
3. Tributary Issues
4. Rental Pool Issues
5. Local Public Interest as defined in §42-203A(5), Idaho Code

The following paragraphs provide the requested additional information. Supporting data and analysis are provided in the accompanying report titled "Water Supply Assessment for Southfork Landing, Garden Valley, Idaho", prepared by SPF Water Engineering, LLC.

Water Supply

The accompanying report contains an assessment of the water supply for the proposed Southfork Landing project. Please refer to Page 20 for a summary of this information.

Injury

An analysis of potential impact on other water users is detailed in the accompanying report (Pages 20-21). Wells within the vicinity of the proposed points of diversion are shown on Figure 5 of the report (Page 13).

Tributary Issues

SPF believes the groundwater source proposed for appropriation under Application for Permit 65-23089 is tributary to the South Fork Payette River (Page 22). Eagle Springs Ranch LLC will comply with the requirements of Water District 65 (Payette River) concerning the tributary nature of the groundwater source and participation in the Payette River Rental Pool.

Rental Pool Issues

Water District 65 believes there is adequate water in the Payette River Rental Pool to supplement this proposed water use. A copy of a letter from Ron Shurtleff, Watermaster for Water District 65, is enclosed. Eagle Springs Ranch LLC will cooperate with the Watermaster of Water District 65 and apply for rental pool water when required to do so.

Local Public Interest

The water right to be developed under Application for Permit 65-23089 will serve the proposed Southfork Landing development in Boise County. A preliminary plat and PUD for Southfork Landing has been approved by Boise County. The approval was issued after public notice and public hearings allowed input from State and Federal agencies, as well as private citizens who might be effected by the development, including its use of water.

Although I am responding to your request for additional information, Scott King will continue to be IDWR's contact for questions concerning the Eagle Springs Ranch application and Southfork Landing project.

Sincerely,



Roxanne Brown
Water Rights Specialist

Cc: Eagle Springs Ranch LLC

Enclosures

Water assessment study
Letter from Ron Shurtleff, Water District 65

Payette River Basin, State of Idaho
Water District No. 65

Watermaster
Ron Shurtleff

102 North Main Street
Payette, Idaho 83661

Phone 208-642-4465
Fax 208-642-1042
E-mail, waterdist65@srvinet.com

February 11, 2007

Roxanne Brown
SPF Water Engineering LLC
600 E. River Park Ln., Ste. 105
Boise, ID 83706

Subject: Payette River Rental Pool
Application for Permit 65-23089

Dear Roxanne,

I have reviewed Application Permit 65-230589 for appropriation of groundwater, potentially tributary to the South Fork of the Payette River in Valley County.

Water accounting for the Payette River conducted by the Idaho Department of Water Resources, indicates that there is sufficient water to supply this application, if stored water is utilized during periods when natural flow is not sufficient. Rental Pool water will be available for the 2007 season to serve this request. It can be rented subsequently on an annual basis to allow full season usage. The water right owner with a junior status is responsible to secure storage water prior to June 15 of each year or curtail usage.

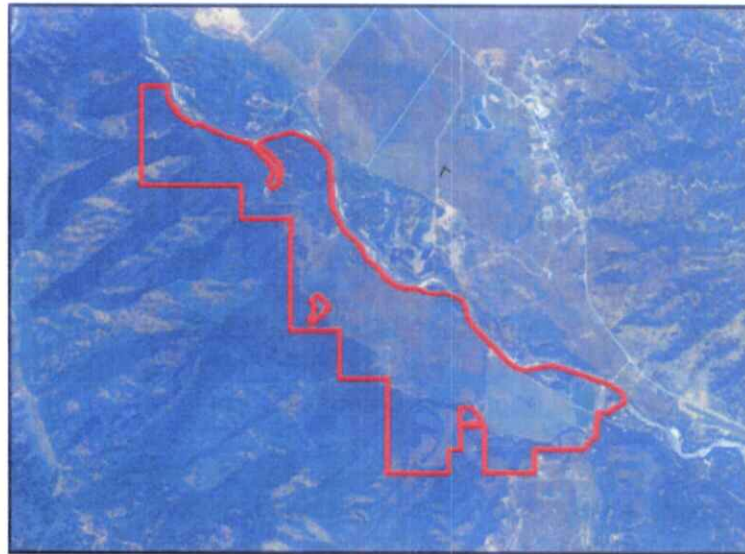
Accurate measuring devices are recommended to monitor diversion rates. Rental pool fees are based on the best available data provided by the water user to the water district and entered in the state river accounting system.

Participation in the Payette River Rental Pool is governed by the "Rental Pool Procedures" adopted by Water District 65 and can be initiated by contacting the Payette office. 208-642-4465

Sincerely,


Ron Shurtleff
Water District 65

WATER SUPPLY ASSESSMENT FOR SOUTHFORK LANDING, GARDEN VALLEY, IDAHO



RECEIVED

FEB 15 2007

WATER RESOURCES
WESTERN REGION

Prepared for

Eagle Springs Ranch, LLC (Developer)

P.O. Box 2020
Boise, ID 83701



Prepared by

SPF Water Engineering, LLC

600 East River Park Lane
Boise, ID 83706



February 9, 2006



SPF Water Engineering, LLC
water resource consultants



Executive Summary

The proposed Southfork Landing development, located south of the South Fork Payette River near Garden Valley, Idaho, includes 540 residential lots and 90 commercial lodging units (lodge rooms, cottages, and cabins) on 868 acres. SPF Water Engineering, LLC (SPF) conducted a preliminary water supply assessment to evaluate the availability and quality of water for the proposed subdivision. The assessment was based on a review of drillers' reports from existing wells in the area, the construction and testing of two test wells, and other available information.

Two water systems are proposed for Southfork Landing. A ground-water based public water system is proposed for domestic needs, fire supply, and irrigation for about 25 acres of residential and common-space irrigation in higher elevation areas. We conservatively estimate that this system will require approximately 380 gpm to meet peak-day residential and commercial lodging demands and approximately 750 gpm to meet peak hourly demands. This amount is sufficient to supply a minimum of 800 gallons per day per residential unit. Storage will be utilized to meet peak hourly and fire flow demands. A pressurized irrigation system using surface water and existing water rights and permits from Alder Creek, Charters Creek, Coski Creek, and the South Fork Payette River will be used for about 330 acres of residential and common-space irrigation.

The potential for developing an adequate supply of high-quality ground water to meet domestic water needs is very high. The target aquifers consist of saturated, coarse-grained alluvial sediments extending to depths between 200 and 300 feet below ground surface. Depths of individual water supply wells will likely range from 200 to 300 feet, and will likely be capable of providing between 75 and 150 gpm in long-term withdrawals. Pumping levels will likely range from approximately 60 to 110 feet below ground surface. Ground water withdrawals will likely induce increased recharge from, or reduce discharge to, the South Fork Payette River. It is unlikely that there will be a substantial impact to water levels in existing wells near the Southfork Landing property.

Initial water-quality sampling from test wells revealed no native constituents exceeding primary or secondary drinking water standards. Additional water quality testing will be conducted as part of the public water system permitting and construction process.

Water level monitoring in selected wells should be considered during and following well construction. Such monitoring should be conducted on a periodic basis (e.g., semi-annually) for a limited time period (e.g., 3 to 5 years) to evaluate the effects of new ground water withdrawals. This water supply assessment may be refined based on additional testing in new production wells.

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1. INTRODUCTION

1.1. Background

The proposed Southfork Landing Development is located along the South Fork Payette River approximately 1.5 miles southwest of the community of Garden Valley, Idaho (Figure 1). The proposed development includes 540 residential lots and 90 commercial lodging units (lodge rooms, cottages, and cabins) on 868 acres. The Southfork Landing Development borders 3.2 miles of the South Fork Payette River. A preliminary plat is included in Appendix G. The elevation of the property ranges from approximately 3,000 feet to 3,800 ft. Eagle Springs Ranch, LLC owns 670 acres of the development; the Barnes Family Trust owns the remaining 198 acres. Eagle Springs Ranch, LLC is developer for both parcels.

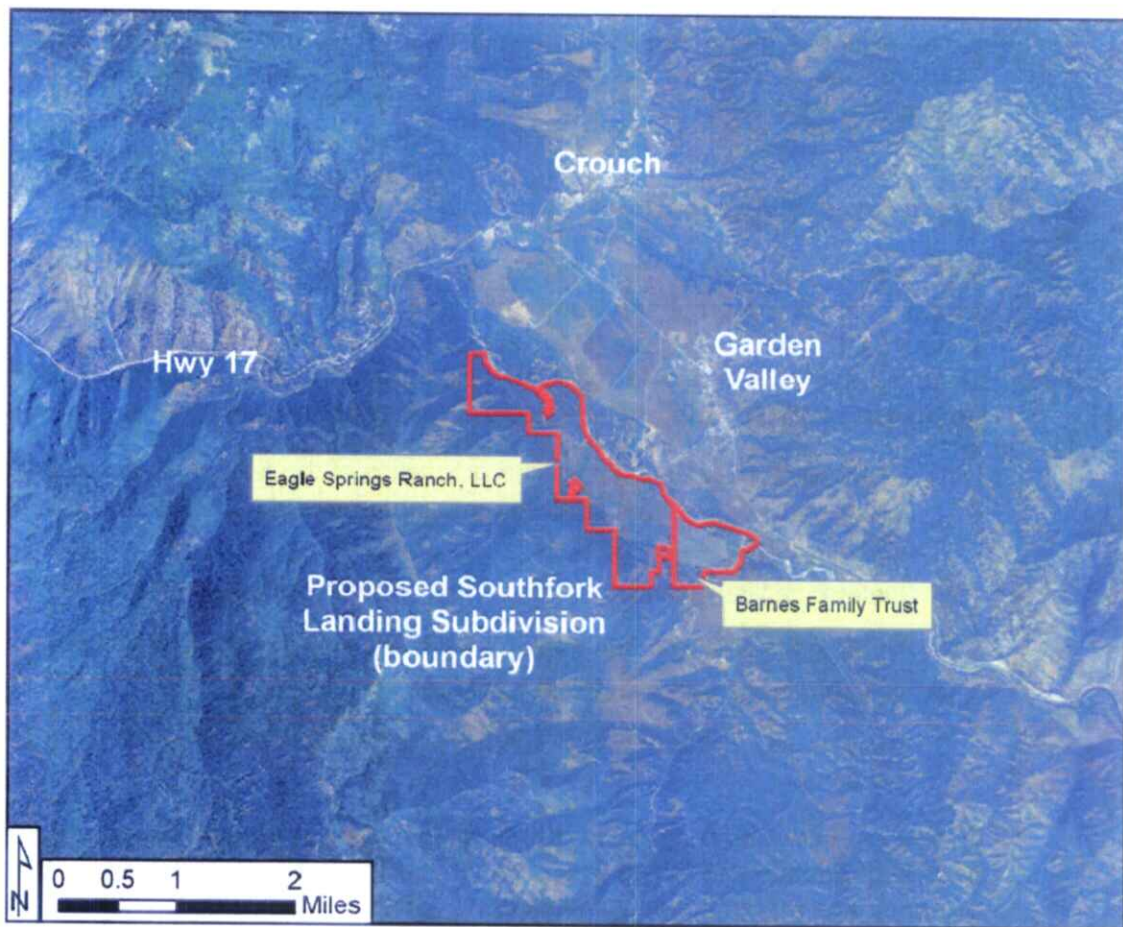


Figure 1: Proposed Southfork Landing Development location map.

1.2. Boise County Subdivision Requirements

The Boise County Subdivision Ordinance (Ordinance 2005-02, Chapter 5, Section IV) requires that a hydrogeologic investigation report be prepared and certified by a professional geologist licensed in the State of Idaho for a subdivision which consists of ten (10) or more lots:

"The investigation shall demonstrate the availability of water in terms of quality and quantity for the proposed subdivision. The investigation shall demonstrate, based on a protracted pumping test from a minimum of one (1) well constructed on the property, that there is sustainable and potable water available at the rate to meet or exceed the appropriate requirements set by the Department of Environmental Quality. The investigation shall demonstrate that the available water meets the drinking water quality standards for a public drinking water system established by the State of Idaho, Department of Health and Welfare, Department of Environmental Quality and the United States of America, Environmental Protection Agency. The investigation shall also address the issue of the potential impact the development may have on surrounding property owners regarding water availability. The hydrogeologic investigation shall not be considered a guarantee of the availability or quality of water for a development, but only as reasonable indication on the availability and quality of water based on available information."

1.3. Purpose and Objectives

SPF Water Engineering, LLC (SPF) has conducted a preliminary water supply assessment for the proposed Southfork Landing development. The purpose of the assessment was to evaluate the availability and quality of ground water for the proposed subdivision and to fulfill the requirements listed in Chapter 5, Section IV, Ordinance 2005-02. Specific objectives included the following:

1. Evaluate general hydrologic characteristics of the Southfork Landing area based on existing geologic information, available drillers' reports, and observations from two test wells.
2. Determine likely ground water production rates based on well testing.
3. Sample and analyze test wells for selected water quality constituents.
4. Evaluate potential impacts on surrounding water users.
5. Assess the ground water supply potential for the Southfork Landing property.

This report presents the results of the preliminary water supply assessment for the proposed Southfork Landing Development. Chapter 2 describes projected water demands and the proposed water system. Chapter 3 describes existing water rights appurtenant to Southfork Landing property. Chapter 4 describes hydrologic conditions in the Southfork Landing area, based on available literature, drillers'

reports from existing wells, and the drilling, construction, and testing of two test wells. An assessment of water supply and quality is provided in Chapter 5, along with a preliminary evaluation of potential impacts associated with new water use in the Southfork Landing area. Conclusions and recommendations are listed in Chapter 6.

2. PROPOSED WATER SYSTEM

2.1. Water Demand Estimates

The Southfork Landing development will require water for domestic, commercial, irrigation, and fire flow purposes. Preliminary peak day and peak hour domestic and commercial water requirements for residential units (Table 1) were estimated using an approach outlined by the Idaho Department of Environmental Quality (IDEQ) for public water systems (Marchus, 1999). The development will include approximately 90 commercial lodging units, including 25 cabins, 50 lodge rooms, and 15 cottages. Average daily requirements for 90 commercial lodging units were assumed to be 120 gallons per day (gpd). This is double the 60 gpd estimate listed by the Idaho Department of Water Resources (IDWR) as typical use for hotel rooms (Idaho Department of Water Resources, 1987, Appendix IV). Peak hour demand for lodging units and other commercial facilities was assumed to be six times the average daily use. Based on these assumptions, the Southfork Landing development will require a peak day flow of 379 gallons per minute (gpm) and a peak hour flow of approximately 744 gpm.

Category	Number of Units	Assumed Peak Daily Demand per Unit (gpd)	Total Peak Day Demand (gpm)	Total Peak Hour Demand (gpm)
Single Family Residences with Irrigation from public water system	140	1440	140	243
Single Family Residences w/o Irrigation from the public water system	400	800	222	398
Commercial Lodging	90	120	7.5	45
Restaurants	2	2500	3.5	21
Retail	2	800	1.1	6.7
Winery	1	1600	1.1	6.7
HOA club with pool and tennis courts	1	4000	2.8	17
Equestrian Center	1	1600	1.1	7
Total Domestic and Commercial Use			379	744
(1) Residential peak day and peak hour demand based on DEQ guidelines (Marchus, 1999)				

Table 1: Estimated water demand for domestic and commercial purposes.

Total annual water demand from the public water supply is estimated at 234 acre-feet (Table 2). Total irrigation demand for the secondary irrigation system is estimated at 3.5 acre-feet per acre per year, for a total volume of 1,162 acre-feet. Consumptive use of irrigation water is estimated at 2.5 acre-feet per acre per year. It is anticipated that much of the unconsumed irrigation water, estimated at 1 foot per irrigated acre, will infiltrate into the local aquifer.

Category	Number of Units	Assumed Average Daily Demand per Unit (gpd)	Days Per Year	Total Annual Demand (gallons)	Total Annual Demand (acre-feet)
Single Family Residences	540	200	365	39,420,000	121
Irrigation (acres, at 3.5 ft/acre/year)	25	4958	230	28,508,500	87
Commercial Lodging	90	120	365	3,942,000	12
Restaurants	2	2500	365	1,825,000	6
Retail	2	800	365	584,000	2
Winery	1	1600	365	584,000	2
HOA club with pool and tennis courts	1	4000	200	800,000	2
Equestrian Center	1	1600	365	584,000	2
Total Annual Domestic and Commercial Use				76,247,500	234

Table 2: Estimated total annual water demand for domestic and commercial purposes.

Preliminary estimates of irrigation requirements are listed in Table 3. Based on an estimated 332 irrigated acres and an assumed peak irrigation demand of nine gpm per acre, the peak irrigation demand would be 2,987 gpm (6.6 cfs).

Flow rates required for fire protection would be approximately 1,500 gpm for a period of 2 hours. This amount of water would be required for structures up to 3,600 square feet, including attached garage (International Fire Code). Larger homes and commercial facilities may require sprinkler protection.

Category	Number of units	Total area (acres)	Anticipated average irrigated area per lot (feet ²)	Irrigated Acres	Peak Irrigation Demand (gpm, based on 9 gpm per acre peak demand)
Estate Lots (3/4- to 6-acres each)	58	109	20,000	27	240
Residential Lots (1/3-acre each)	295	98	8,000	54	488
Cabin Lots (4000 ft ² each)	38	4	2,000	2	16
Deluxe Cabin Lots (7,000 ft ² each)	113	18	4,000	10	93
Condos	36	6		4	36
Common Areas (including commercial area landscaping)		633		235	2115
Total		868		332	2987

Table 3: Estimated demand for irrigation water.

2.2. Proposed Water Supply System

Two water supply systems have been proposed for the Southfork Landing development: (1) one system to supply groundwater for domestic, commercial, and limited irrigation purposes and (2) a pressurized surface-water system for most irrigation purposes. The domestic water system will be constructed to public water system standards (described under Idaho Code § 58.01.08 - Idaho Rules for Public Drinking Water Systems). Potential production well sites are shown in Figure 2. A minimum of three, and maximum of 5, production wells will likely be required to meet peak system demands. An additional well will be required to provide system redundancy. The system will be designed to supply 800 gpd per residential unit with secondary irrigation water, 1440 gpd per residential unit using potable water for irrigation, 120 gpd per commercial lodging unit, plus an additional 13,800 gpd for other commercial facilities. System storage will be used to help meet peak water demands, including fire flows.

The designed capacity of 800 gpd per residential unit with secondary irrigation supplies, and 1,440 gpd per residential unit including irrigation is based on Idaho Rules for Public Drinking Water Systems (IRPDWS) 552.01. We believe this level of service capacity to be conservative for this development; our experience has shown that similar developments in Boise County have experienced peak day demands including irrigation uses near 400 gpd.

A pressurized irrigation system using surface water will provide irrigation of residential and common areas in the lower elevation portions of the development; higher elevation lots will be irrigated using the potable supply (Figure 4). The irrigation system will divert water under existing water rights and permits. This system will also include storage to meet peak irrigation demands.

Water for fire protection will be supplied from storage from either the public water system or the pressurized irrigation system, or both.

Final system design capacities will be based on the final designs of the Southfork Landing Development. The water system designs will be reviewed and approved by the Idaho Department of Environmental Quality (IDEQ) prior to system construction.

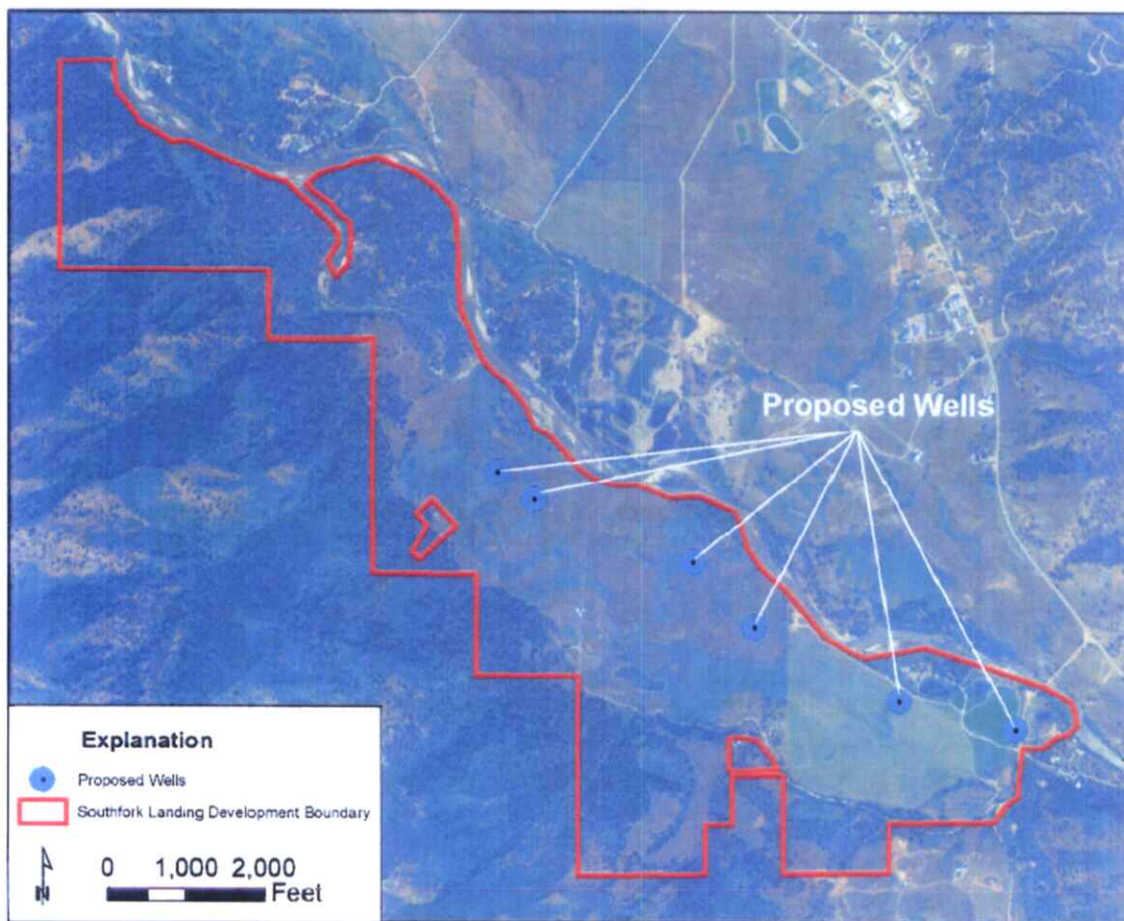


Figure 2: Potential production well locations.

A pressurized irrigation system using surface water will provide irrigation of residential and common areas in the lower elevation portions of the development; higher elevation lots will be irrigated using the potable supply (Figure 4). The irrigation system will divert water under existing water rights and permits. This system will also include storage to meet peak irrigation demands.

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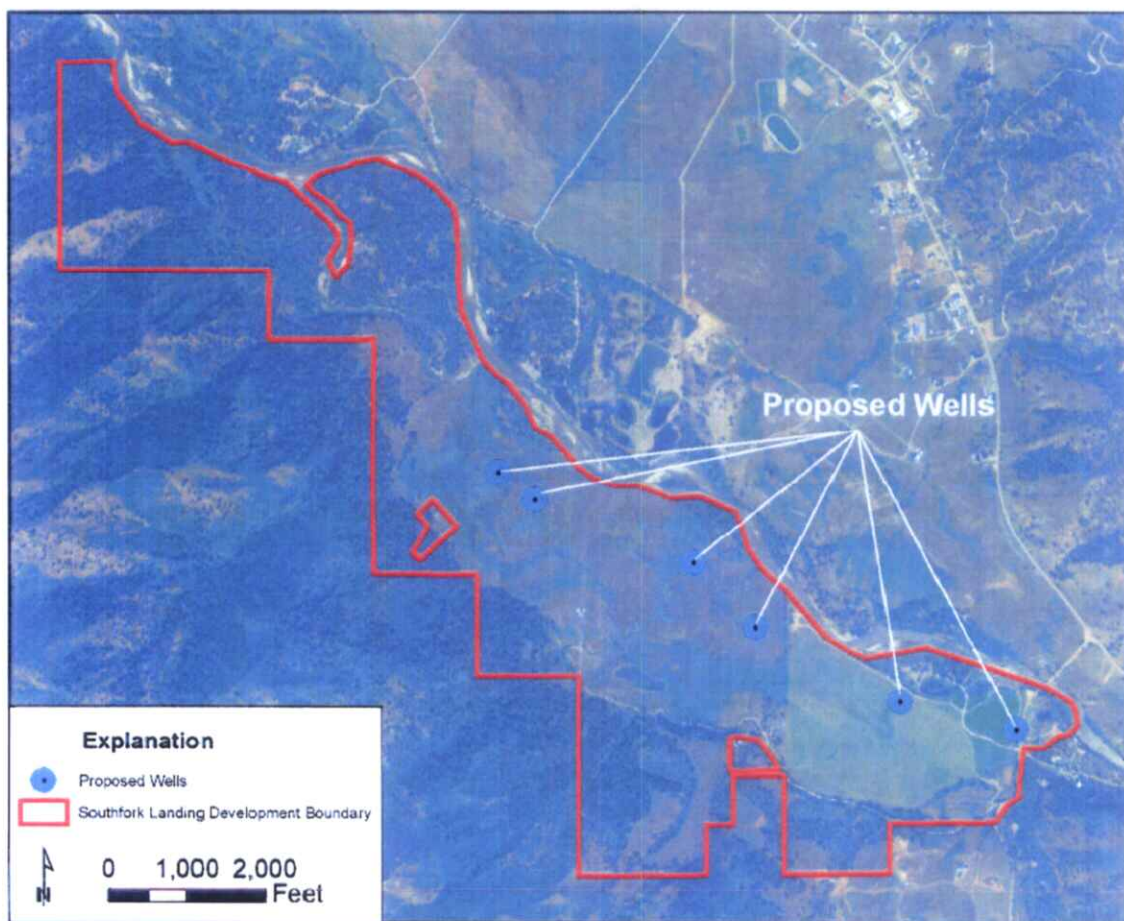


Figure 2: Potential production well locations.

3. WATER RIGHTS APPURTENANT TO SOUTHFORK LANDING DEVELOPMENT

3.1. Decreed Water Rights

Seven decreed water rights are appurtenant to the Southfork Landing Development. Decreed right no. 65-5633 provides 5.27 cfs of senior water (April 1, 1900) for irrigation of 216 acres with sources of Alder Creek, Charters Creek, and Coski Creek. Decreed right no. 65-8850 provides 2.51 cfs of senior (April 1, 1900) Alder Creek water for irrigation of 103 acres and 0.06 cfs for stockwater. The priority date shared by these two rights is senior to all other rights from these streams except for several federal instream stockwater rights.

Decreed right no. 65-11324 provides 2.2 cfs of Payette River water with a September 3, 1966 priority date for irrigation of 110 acres. This right also provides 0.05 cfs of stockwater with a total maximum diversion rate of 2.2 cfs. This right overlaps water right no. 65-8850; these rights combined are limited to 0.02 cfs per acre at the field headgate, and the irrigation of 110 acres.

Decreed right no. 65-5682A provides 0.10 cfs of Alder Creek water with a June 1, 1920 priority date for irrigation of 4 acres.

Decreed right 65-5696 provides another 0.04 cfs from Alder and Coski Creeks for irrigation of 3 acres with a April 1, 1966 priority. This right is junior and is considered unreliable except during times of higher flows.

Two decreed rights (65-5634, 65-5695) provide domestic water from Charters Creek and ground water. These rights can continue to be used for providing domestic water to single homes.

3.2. Permits to Appropriate Water

In 1994 the Idaho Department of Water Resources issued two Permits to Appropriate Water to John McCallum/Charter Mountain Ranch. Proof of beneficial use was due and submitted in 1995. Permit No. 65-13399 authorized development of up to 3.0 cfs from the South Fork Payette River for irrigation of up to 200 acres. Permit No. 65-13559 authorized up to 0.2 cfs from an unnamed stream for irrigation of a maximum 10 acres. Proof of beneficial use has been submitted for both permits. IDWR field examinations to verify the extent of beneficial use and resultant Water Right Licenses are pending.

3.3. New Applications for Domestic Use

Domestic water supplies for Southfork Landing will require additional water rights. Applications for new water rights will be prepared and submitted to the Idaho Department of Water Resources. The anticipated application will propose a maximum diversion of up to 2 cfs of ground water to supply domestic and commercial water requirements for the development.

4. HYDROLOGIC CONDITIONS IN VICINITY OF SOUTHFORK LANDING DEVELOPMENT

4.1. General Geology

Garden Valley, Idaho lies in a northwest-southeast trending valley surrounded by granitic mountains (Figure 4). The granitic rocks (associated with the Cretaceous-age Idaho batholith) are described as biotite granodiorite and muscovite-biotite granodiorite and granite (Fisher et al., 1992), based on unpublished mapping by T. H. Killsgaard and R. S. Lewis (1981-1983), unpublished mapping by P. L. Weis (1979-1980), and Anderson (1947). Structural controls in the Garden Valley area include the Tertiary-age (or older) Boise Ridge Fault, which runs north-south through Garden Valley. The Middle Fork of the Payette River channel coincides with this fault in the Garden Valley area. An unnamed fault (presumably Tertiary age) runs northwest-southeast along the southwestern portion of Garden Valley. Both of these faults are mapped as crossing the Southfork Landing property.

The valley floor is comprised of Quaternary sediments. Late-Tertiary and Pleistocene terrace sediments form benches in the Garden Valley area (Rember and Bennett, 1979). More recent alluvial sediments are present along the Middle Fork and South Fork river corridors.

4.2. Drillers' Report Review

Available Drillers' reports for wells in the Southfork Landing area were downloaded from the IDWR well construction database. The search area for drillers' reports consisted of all or portions of T9N R4E Sections 26, 27, 28, 34, and 35 (Error! Reference source not found.). Information on 45 wells was available for this area¹.

A summary of these drillers' reports is provided in Appendix A. Copies of drillers'

Reports are provided in Appendix B. The ...

Continued at inserted
page 11

¹ Drillers' reports in the IDWR database are catalogued based on locations provided by the driller. Some wells may have been omitted from this search because of incorrectly listed well locations, and some wells listed in this search area may be incorrectly located.

approximate locations of existing wells in the immediate vicinity of the Southfork Landing property are plotted in Figure 5.

Well depths ranged from 38 to 338 feet (with an average depth of 151 feet). The static water level in these wells ranged from three feet to 200 feet, with an average initial depth to water of 53 feet. Initial production values (based on wells for which initial production rates were reported) ranged from seven to 120 gallons per minute (gpm), with an average of 27 gpm.

The drillers' reports typically describe layered sediments that include boulders, gravel, sand, silt, and clay. Almost all wells in the vicinity of the South Fork Payette River penetrated coarse-grained sediments (e.g., sand and/or gravel), with some drillers' reports noting varying thicknesses of interbedded fine-grained sediments (e.g., clay). Some deeper wells and wells along the valley margins penetrated granitic rocks, generally described as solid or fractured granite.

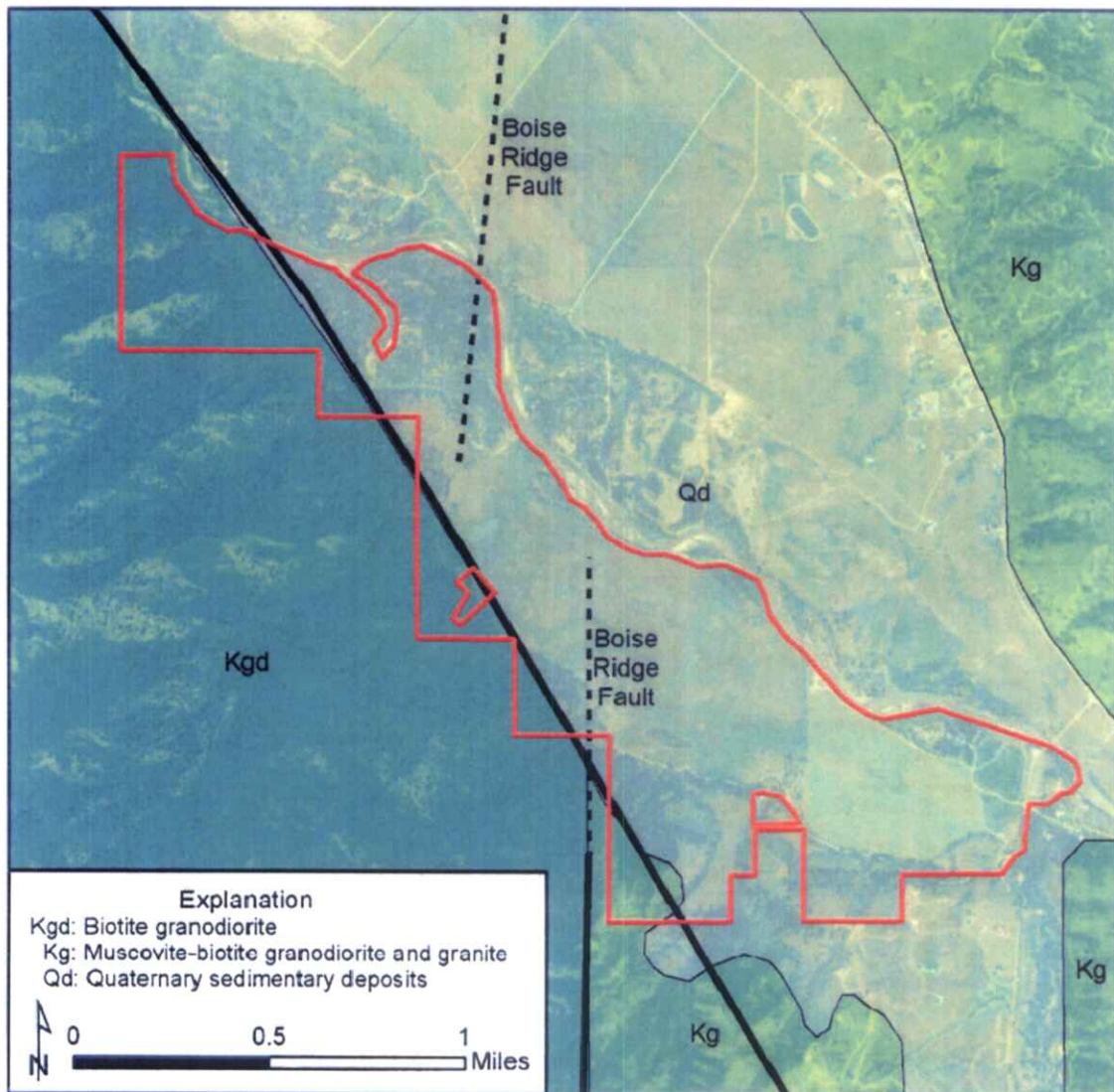


Figure 4: General geology in the Southfork Landing area (based on Fisher et al., 1992).

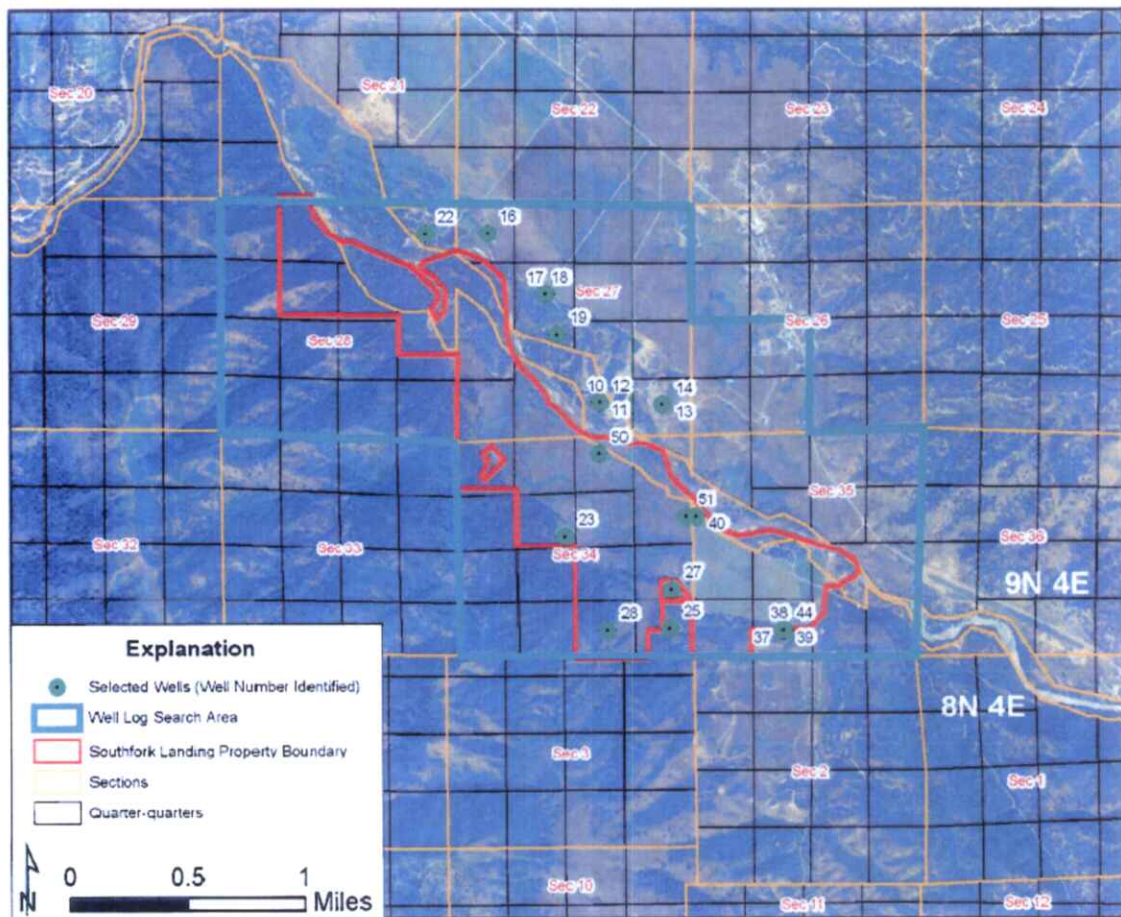


Figure 5: Wells in the vicinity of the Southfork Landing property.

4.3. Test Well Descriptions

Two test wells were drilled on the Southfork Landing property (Table 4 and Figure 6) by Coonse Well Drilling and Pump Company (Eagle, Idaho) between October 12 and October 17, 2005. The purpose of the wells was to evaluate aquifer materials, test aquifer production, and enable ground water sampling. Drillers' reports for the test wells are included in Appendix C.

Well Name	Drilling Completion Date	Depth below ground surface (feet)	Static Water Level (feet below top of casing)	Initial Yield (gpm)	Temperature (°F)
Well #1	10/10/05	300	30	100	54
Well #2	10/12/05	220	20	100	54

Table 4: Southfork Landing test wells.

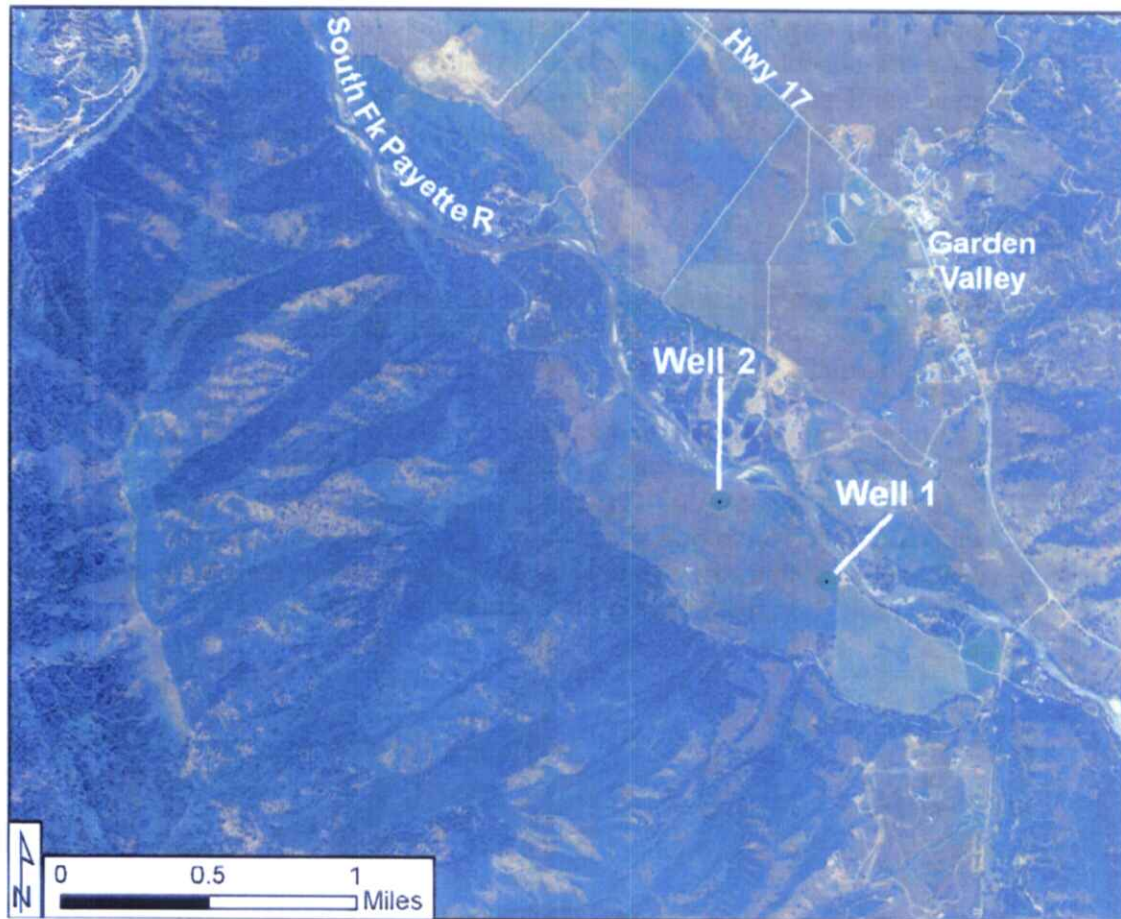


Figure 6: Approximate locations of Southfork Landing test wells.

Well #1, drilled in the eastern portion of the property (Figure 6), was drilled to a depth of 300 feet. The well was completed with 6-inch diameter steel casing to a depth of 300 feet with 720 0.2-inch by 1-inch perforated slots from a depth of 160 feet to 280 feet. The driller's report for this well lists coarse-grained sediments (sand and gravel) interbedded with clay layers to a depth of 278 feet and decomposed granite from a depth of 278 feet to 300 feet. The clay layers are relatively thin – averaging about 2.6 feet in thickness – with the thickest clay zone listed as seven feet thick.

Water-bearing zones were indicated in numerous gravel and sand layers at depths of 13 to 278 feet. The depth to water following well completion was 30 feet.

Well #2 (Figure 6) was drilled at a location 2,400 feet northwest of Well #1 to a depth of 220 feet. The well was constructed with 6-inch steel casing to a depth of 220 feet. The casing was not perforated or screened – the well draws water only from a sand and gravel zone at the bottom of the well. The well was developed by airlifting for a period of two hours at a rate of 100 gpm.

The lithologic description lists sand and gravel interbedded with clay layers (the average clay layer thickness was about 3.3 feet, with a maximum thickness of 10 feet). Clay layers less than 43 feet in depth are described as tan-colored; deeper clays are described as blue-colored. Water-bearing zones were noted in numerous gravel and sand layers between 20 to 220 feet. This well did not extend into underlying granitic rocks. The depth to water following well completion was 20 feet.

4.4. Well Tests

Multi-hour pumping and recovery tests were conducted in Wells #1 and #2 on October 17 and 19, 2005, respectively (Table 5). The purpose of the tests was to evaluate aquifer capacity and collect water samples.

The pumping tests were conducted by the Coonse Well Drilling and Pump Company (Eagle, Idaho). The test was conducted with a generator-powered 5-hp submersible turbine pump capable of a 100-gpm discharge rate. Discharge rates were measured with a 55-gallon drum and a stopwatch. Depths to water were measured with electric well sounders from the top of the well casings (1.65 feet above ground surface in Well #1 and 1.35 feet above ground surface in Well #2).

Parameter	Southfork Landing Test Wells	
	Well #1	Well #2
Date of test	October 17, 2005	October 19, 2005
Observation well	Well #2	Well #1
Pumping test duration	5 hrs, 17 min	5 hrs 58 min
Discharge rate	100 gpm	100 gpm
Initial depth to water	29.9 feet	20.8 feet
Maximum drawdown	28.8 feet	58.6 feet
Recovery monitoring duration	97 minutes	90 minutes
Remaining drawdown at end of recovery monitoring period	6 feet	9 feet
Total volume of water produced during pumping test	31,700 gallons	35,800 gallons

Table 5: Well test summary.

Aquifer test results were analyzed using methods (Cooper and Jacob, 1946; Theis, 1935) that are based on the non-equilibrium well equation. Assumptions inherent to the use of the non-equilibrium well equation (Theis, 1935) are that the aquifer is homogeneous and isotropic, uniform in thickness and areal extent, the aquifer receives no recharge, the pumping well penetrates the full aquifer thickness, water removed by discharge is removed instantaneously, the pumping well is 100 percent efficient, laminar flow exists throughout the aquifer, and that the water table or potentiometric surface has no slope. These assumptions are rarely completely satisfied under field conditions, but the methods were thought to be appropriate for evaluating these aquifer test results.

4.4.1. Well #1

The aquifer test in Well #1 was conducted on October 17, 2005 for a period of five hours and 17 minutes. The static water level in Well #1 prior to the aquifer test was 29.9 ft. The maximum drawdown at the end of the pumping test was 28.8 ft (Appendix D, page 1). Transmissivity from the constant rate test was calculated to be about 5,000 gpd/ft based on data collected in the first 10 and 30 minutes of the test and 3,200 gpd/ft based on data collected between about 30 and 315 minutes (Appendix D, page 3). These latter data represent a change in slope of the drawdown curve that may reflect a relatively impervious aquifer boundary (which would not be unexpected given the proximity to the southern end of the Garden Valley basin). Extrapolation from the constant-rate test based on the later-time data

would suggest a drawdown of about 33 feet at 1,000 minutes (Appendix D, page 5) and about 50 feet at 100,000 minutes (69 days).

Water level recovery was measured in Well #1 for 97 minutes. The final depth to water was measured at 35.9 ft, or 6 ft below the initial static water level (Appendix D, page 1). The transmissivity value from the recovery test based on later-time data was estimated to be approximately 3,100 gpd/ft (Appendix D, page 4).

Water levels in Well #2 were monitored during the pumping test in Well #1. The depth to water in Well #2 remained at 20.8 ft during the course of the Well #1 well test (Appendix D, page 2), indicating that the cone of depression formed during the Well #1 test did not extend to Well #2.

4.4.2. Well #2

A six-hour aquifer test was conducted in Well #2 on October 19, 2005. Aquifer test results for Well #2 are provided in Appendix D. The static water level in Well #2 prior to the aquifer test was 20.8 feet. The maximum drawdown at the end of the pumping test was 58.6 feet (Appendix D, page 6). This drawdown reflects substantial well inefficiency because of the well construction (water is drawn only from the bottom of the well).

Transmissivity from the constant rate test was calculated to be about 1,700 gpd/ft based on data collected in the first 85 minutes of the test and 2,600 gpd/ft based on data collected between 160 and 356 minutes (Appendix D, page 8). A change in slope of the drawdown curve during this later time may reflect some recharge effects. Extrapolation from the constant-rate test based on the later-time data would suggest a drawdown of about 63 feet at 1,000 minutes and about 82 feet at 100,000 minutes (69 days). (Appendix D, page 10).

Recovery in Well #2 was measured for 90 minutes. The final depth to water was measured at 29.75 feet, or 8.95 feet below the initial static water level (Appendix D, page 1). The transmissivity value using later-time recovery data was approximately 1,600 gpd/ft.

Water levels in Well #1 were monitored during the pumping test in Well #2. The depth to water in Well #1 remained unchanged at 30.2 feet during the course of the Well #2 well test (Appendix D, page 2), indicating that the cone of depression formed during the Well #2 test did not extend to Well #1.

4.5. Water Quality Analyses

Water samples were collected during both well tests for analysis of selected water quality constituents. The results of these analyses are summarized in Table 6 (data are provided in Appendix E). Both wells provided good-quality water with all tested parameters meeting primary drinking water standards. Aluminum in both wells was

at the upper limit for secondary standards. Low concentrations of dissolved solids (such as those concentrations observed in these water analyses) are characteristic of runoff in granitic areas. We are currently unaware of any known contaminated areas in the Southfork Landing property. A full suite of water quality analyses are anticipated from production wells (once the production wells have been constructed) to meet IDEQ public water system requirements.

4.6. Aquifer Characteristics

The target aquifers for the Southfork Landing water supply are saturated, coarse-grained alluvial sediments underlying the property. These sediments extend to depths between 200 and 300 feet in the vicinity of the two test wells. Sediment thicknesses underlying the property likely decrease with distance from the South Fork Payette River.

Individual aquifer zones are separated by clay layers ranging in thickness from one to 10 feet. Individually or in aggregate, these clay layers likely serve as partial aquicludes leading to partially-confined or confined hydraulic conditions.

Recharge to these aquifers occurs as (1) seepage from surface channels (predominantly the South Fork Payette River), (2) infiltration from precipitation and local irrigation, and (3) underflow from the basin to the south of the Southfork Landing property. Low concentrations of dissolved solids reflect recharge from the Payette River or surrounding granitic hills. Discharge from aquifers underlying the Southfork Landing property is to the South Fork Payette River. General ground water levels in the Southfork Landing area are likely controlled by the water level elevation South Fork Payette River.

Parameter	Southfork Landing Wells		
	MCL	Well #1	Well #2
Aluminum (mg/L)	0.05 to 0.2 ⁽²⁾	0.2	0.2
Ammonia Direct (mg/L)		<0.04	<0.04
Arsenic (mg/L)	0.010 ⁽¹⁾	<0.005	<0.005
Bicarbonate (mg/L)		79	59
Calcium Hardness (mg/L)		29	
Calcium (mg/L)		11.6	13.7
Chloride (mg/L)	250 ⁽²⁾	<1	<1
Fluoride (mg/L) (10/17/05)	4	0.74	0.2
Iron (mg/L)	0.3 ⁽²⁾	0.17	0.06
Iron (dissolved, mg/L)	0.3 ⁽²⁾	0.14	0.06
Magnesium (mg/L)		2.69	3.55
Manganese (mg/L)	0.05 ⁽²⁾	<0.05	<0.05
Manganese (dissolved, mg/L)	0.05 ⁽²⁾	<0.05	<0.05
Nitrate (mg/L)	10	0.4	0.3
Potassium (mg/L)		0.7	0.7
Silica (mg/L)		38.7	39.9
Sodium (mg/L)		21.3	11.2
Sulfate (mg/L)	250 ⁽²⁾	3	1
Zinc (mg/L)	5 ⁽²⁾	0.006	<0.005
Total Dissolved Solids (mg/L)	500 ⁽²⁾	94	124
Gross Alpha (pCi/L)	15	ND	ND
Corrosivity		-2.0 moderately aggressive	-2.0 moderately aggressive
Temperature		11.8°C	11.9°C
Alkalinity (mg/L)		79	59
Conductivity (umhos)		157	116
Hardness (mg/L)		37	42.5
pH	6.5-8.5 ⁽²⁾	6.8	6.7
⁽¹⁾ As of 1/23/06 ⁽²⁾ Secondary standard set for aesthetic purposes ND = Non-detect			

Table 6: Selected water quality results.

5. WATER SUPPLY ASSESSMENT

5.1. General Water Availability and Quality

The potential for developing an adequate supply of high-quality ground water to meet Southfork Landing domestic needs is very high. Depths of water supply wells will likely range from 200 to 300 feet, and will likely be capable of providing between 75 and 150 gpm in long-term withdrawals.

Near-well drawdown rates, based on observations during the testing of Wells #1 and #2, will likely be less than about 80 feet. Pumping-well drawdown levels between 40 and 80 feet will be likely be required to induce sufficient flow to production wells. Anticipated pumping levels range from approximately 60 to 110 feet below ground surface. The aquifer thickness (based on test well depths) will adequately accommodate these pumping levels.

Long-term pumping tests (e.g., 48 or 72 hours) should be conducted from new production wells. These pumping tests should include ground water level monitoring in nearby existing wells (as available). This water supply assessment may be refined based on additional testing in new production wells.

Ground water quality, based on analyses of water collected from two test wells, appears to be excellent. A full suite of water quality analyses will be conducted to meet public water system requirements. Samples for these analyses will be drawn from new production wells (once they have been constructed).

5.2. Potential Impact on Other Users

Existing wells in the immediate vicinity of the Southfork Landing development are shown in Figure 5. It is unlikely that there will be a substantial impact to water levels in these wells from Southfork Landing pumping – for several reasons. First, Eagle Springs Ranch, LLC will have substantial flexibility in siting wells (because of the size of the Southfork Landing property). Production wells can be located substantial distances from any existing wells. Second, local water level declines surrounding production wells will likely induce recharge from, or reduce discharge to, the South Fork Payette River. Third, no well interference was observed in short-term testing in Wells #1 and #2. Fourth, most local wells are completed in shallower water-bearing zones than proposed for the Southfork Landing wells. Fifth, continued use of existing surface water rights for irrigation on the property will contribute recharge to the local aquifer.

A Theis (1935) analysis was conducted to predict the drawdown at a distance of one half mile from a pumping well on the Southfork Landing property. The same assumptions described for the aquifer test analysis apply to this analysis – it was assumed that these assumptions were met and that the aquifer was under confined

hydraulic conditions. The analysis was based on an assumed pumping rate of 75 gpm (approximately one half of the average system demand), and aquifer thickness of 200 feet, and an aquifer hydraulic conductivity of 15 gpd/ft² (which corresponds with a transmissivity value of 3,000 gpd/ft and an aquifer thickness of 200 feet). Typical storativity values range from 0.01 to 0.3 for unconfined aquifers, and from 10⁻³ to 10⁻⁵ for confined aquifers (Driscoll, 1986). In this case a storativity value of 0.0005 was assumed. Based on these assumptions, the drawdown at a distance of 2,640 feet after 90 days of continuous pumping would be less than 10 feet. The actual drawdown at this distance would, however, likely be substantially less than 10 feet because of (1) general aquifer recharge, (2) some yield from unconfined (or partially confined) aquifers and (3) induced seepage from the Payette River.

6. SUMMARY AND RECOMMENDATIONS

6.1. Proposed Water System

1. The Southfork Landing development requires water for single family residential, commercial, commercial lodging, irrigation, water feature, and fire protection purposes.
2. An estimated that 380 gpm will be required from ground water sources to supply for peak-day demands; approximately 750 gpm will be needed for peak hourly flows.
3. Approximately 3,000 gpm from surface water sources will be needed for peak irrigation demands.
4. Two water systems are proposed for the Southfork Landing development: a ground-water based public water system with storage and a surface-water based pressurized irrigation system.

6.2. Hydrologic Characteristics

1. The public water system will draw water from aquifers underlying the Southfork Landing area. The target aquifers are saturated, coarse-grained alluvial sediments extending to depths between 200 and 300 feet below ground surface. Individual aquifer zones are separated by clay layers ranging in thickness from one to 10 feet.
2. Recharge to these aquifers occurs as (1) seepage from surface channels (predominantly the South Fork Payette River), (2) infiltration from precipitation and local irrigation, and (3) underflow from the basin to the south of the Southfork Landing property. Discharge from these aquifers is to the South Fork Payette River.
3. General ground water levels in the Southfork Landing area are controlled by the water level elevation in the South Fork Payette River.
4. Water quality in these aquifers (based on initial testing) appears to be excellent.

6.3. Water Availability

1. The potential for developing an adequate supply of high-quality ground water to meet Southfork Landing domestic water needs is very high. This conclusion is based on the apparent presence of transmissive aquifer materials and proximity to the South Fork Payette River.

2. Depths of individual water supply wells will likely range from 200 to 300 feet, and will likely be capable of providing between 75 and 150 gpm in long-term withdrawals.
3. Anticipated drawdown levels in production wells range from approximately 40 to 80 feet (depending on production well construction and ultimate production rates). Anticipated pumping levels range from approximately 60 to 110 feet below ground surface. The aquifer in the vicinity of the two test wells is sufficiently deep to accommodate these anticipated pumping levels.
4. No interference was observed in test pumping between the two test wells.
5. It is unlikely that there will be a substantial impact to water levels in existing wells near the Southfork Landing property.
6. Existing water rights and permits will be used for the majority of anticipated irrigation needs. It may be necessary to occasionally supplement existing water rights and permits with water from the Payette rental pool. Domestic water supplies will be used for irrigation of up to 25 acres in higher elevation lots.

6.4. Recommendations

1. Long-term well tests should be conducted in new production wells. Such test should include monitoring water levels of any nearby on-site or off-site existing wells. This water supply assessment may be refined based on additional testing in new production wells.
2. A full suite of water quality analyses should be conducted to meet drinking water standards.
3. Periodic (e.g., quarterly or semi-annual) ground water level monitoring should be conducted in production wells and test wells (and any other on-site wells) for a limited period of time (e.g., three years) during and following the construction of Southfork Landing.

Appendix A:
Summary of Well Information in the Southfork Landing Area

7. REFERENCES

- Anderson, A.L., 1947. Geology and Ore Deposits of the Boise Basin, Idaho, U.S. Geological Survey Bulletin 944-C.
- Cooper, H.H. and Jacob, C.E., 1946. A generalized graphical method for evaluating formation constants and summarizing well field history. Transactions, American Geophysical Union, 27(4).
- Driscoll, F.G., 1986. Groundwater and Wells. Johnson Division, St. Paul, MN.
- Fisher, F.S., McIntyre, D.H. and Johnson, K.M., 1992. Geologic Map of the Challis 1° x 2° Quadrangle, Idaho (1:250,000), U.S. Geological Survey Professional Paper 1525.
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- Marchus, M.G., 1999. Design Flows - Public Water Systems, Idaho Department of Environmental Quality Design File Note, July 2, 1999.
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- Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of a well using ground-water storage. Transactions, American Geophysical Union, 16: 519-524.

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ID	Contact	TWP	RNG	SEC	Tract	Gov. Lot	WellAddress	Sub	BI	L	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number
1	CAFFERTY, SEAN	09N	04E	26	NESW		GARDEN VALLEY RD				30	20	82	83	6	8/24/1994	736352	
2	RAUCH, VERNON C	09N	04E	26	NESW		1069 BANKS LOWMAN RD				7	200	320	300	6	5/20/2004	814434	D0031317
3	GRAHAM, MYRNA L	09N	04E	26	NESW						0	115	165			4/12/1973	816269	
4	BOCH, JAMES	09N	04E	26	NESW						20	83	172			6/27/1970	818945	
5	MAXWELL, R F	09N	04E	26	NESW						25	112	166			5/22/1973	822868	
6	HOJSTON, JERRY	09N	04E	26	NESW						10	90	159	158	6	5/13/1991	734900	
7	COULTER, DELBERT L	09N	04E	26	SESW						15	23	153			4/26/1973	821033	
8	STEVENS, W A	09N	04E	26	SESW						15	145	185	65	6	11/15/1983	733865	
9	MICHAELIS, AUGUST	09N	04E	26	SESW						20	40	252			9/7/1972	819262	
10	HICKS, STAN	09N	04E	27	SWSE						0	7	40			8/13/1980	778449	
11	CASEY, MIKE	09N	04E	27	SWSE						0	7	41			8/1/1980	778451	
12	SOUTHWORTH, JOHN	09N	04E	27	SWSE						0	7	43			8/5/1980	815294	
13	MORRISON, MARVIN	09N	04E	27	SESE		163 LANE D	MILLS MOUNTAIN VIEW RANCH #4			50	8	36	38	6	3/21/2005	831159	D0038666
14	SPECIALTY HOMES	09N	04E	27	SESE		CORNER OF MILLS MTN VIEW RD AND LANE D	MILLS MTN VIEW RANCH #4	2	1	40	8	72	57	6	5/10/2004	814623	D0031356
15	GROFF, STEVE	09N	04E	27	NESE				1	3	40	6	43	40	6	4/19/1993	735555	
16	LOGAN, ROBERT L, LOGAN, CAROL H	09N	04E	27	NWNW	5	1/2 MILE OFF OF HWY TO GARDEN VALLEY				50	32	62	59	6	11/25/1996	737363	
17	KRAWCZYK, DOROTHY C	09N	04E	27	NENW						20	40	81			8/20/1977	799717	
18	WILSON, PETE	09N	04E	27	SENW				1		25	15	80	77	6	11/8/1990	734609	
19	GROFF, STEVE	09N	04E	27		3	MILLS MTN VIEW AMENDED #2		7		30	8	63	59	6	8/18/1993	735720	
20	GROFF, STEVE	09N	04E	27		3					60	8	76	250	6	9/14/1995	736878	
21	GARDEN VALLEY RANCHETTES INC	09N	04E	27	SWNW						0	3	54			5/15/1973	811692	
22	PROJECT PATCH	09N	04E	28	NENE		10 MILES E OF BANKS ON GARDEN VALLEY HWY				120	6	58	55	6	5/24/1996	737071	
23	CHARTER MOUNTAIN RANCH INC, MC CALLON, JOHN B	09N	04E	34	SENW						0	42	100	100	6	12/13/1990	734724	
24	LIVINGSTON, EARL D, LIVINGSTON, FAY B	09N	04E	34	SESE						0	10	85	85	6	10/22/1993	735868	
25	LIVINGSTON, EARL D, LIVINGSTON, FAY B	09N	04E	34	SESE						25	15	165	165	6	10/19/1994	736433	
26	LIVINGSTON, EARL D, LIVINGSTON, FAY B	09N	04E	34	SESE						25	15	165	165	6	10/19/1994	736434	
27	BUCKLEY ROY B	09N	04E	34	NESE						20	82	160	119	6	9/7/2001	770890	D0019018
28	BUNN, GARY L	09N	04E	34	SWSE						0	80	164			11/5/1979	778418	
29	JENKINS, DELLA	09N	04E	35	SESE		ALDER CREEK RD & GARDEN VALLEY RD				5	50	131	121	8	8/17/1997	737661	
30	BAXTER, MIKE	09N	04E	35	SESE		CHARTERS MOUNTAIN RD		3		2	70	282	78	6	9/7/1996	737256	
31	DONNLEY, DOUG	09N	04E	35	NWSE		ALDER CREEK				8	Above Ground Level	232	39	6	8/17/1995	736814	
32	DONLEY, DOUGLAS	09N	04E	35	NWSE		13 BRITNEY LANE					65	246	19	6	8/28/2001	770744	D0019016
33	BARNES, JON	09N	04E	35	NWSE						9999	10	67			8/2/1976	799714	
34	PATTON, EARL	09N	04E	35	NESE						30	40	85			9/19/1966	809076	
35	VEGA, NELSON	09N	04E	35	SESW		CROSS TIMBER RANCH ALDER CREEK	B1	12	1	22	138	338	-320	6	10/29/2000	767283	D0015874
36	USTIN, DAN	09N	04E	35	SESW				3		15	100	240	235	6	10/1/1997	737740	D0001027

ID	Contact	TWP	RNG	SEC	Tract	Gov. Lot	WellAddress	Sub	BI	L	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number
37	GRIBBLE, WILLARD, GRIBBLE, JERRIE	09N	04E	35	SESW		CROSTIMBER RANCH				10	70	215	215	6	7/29/1998	738058	D0001902
38	BARNES, JON L	09N	04E	35	SESW		NONE LISTED				18	160	310	290	6	7/29/1999	738444	D0009596
39	BARNES, JON L	09N	04E	35	SESW		CROSTIMBER RANCH		2	6	30	140	325	300	6	8/10/1999	738459	D0009598
40	BARNES, LARRY B	09N	04E	35	SESW	5					0	0	0				736840	
41	BARNES, LARRY B	09N	04E	35	SESW	5					20	4	100	41	6	8/27/1995	736841	
42	BARNES, LARRY B	09N	04E	35	NWSE	5	ALDER CREEK RD				40	13	202	19	6	9/25/1995	736893	
43	ENCINAS, RAMON	09N	04E	35	SWSE	7					9	36	55	95	6	8/13/1990	724096	
44	MC KEAN, CURT K	09N	04E	35	SESW	13					30	115	325	318	6	10/7/1997	737691	D0001024
45	PONELY, DOUGLAS	09N	04E	35	SWSE						0	13	220			5/11/1973	831299	

Appendix B:
Drillers' Reports from Existing Wells Southfork Landing Area

09-1979

1. DRILLING PERMIT NO. 65 - 94 - W-0395 -000
Other IDWR No. _____

2. OWNER:

2. OWNER:
Name Sean Cafferty
Address 2013 S. Eagleson Rd.
City Boise State Idaho Zip 83705

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 Twp. 9 North ☒ or South ☐
 Rge. 4 East ☒ or West ☐
 Sec. 26 1/4 NE 1/4 SW 1/4
 Gov't Lot 10 acres County 40 acres 160 acres

Address of Well Site Garden Valley Rd.
City Garden Valley

(Give at least name of road - Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:

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

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEA/FILTER PACK			AMOUNT	METHOD
Material	From	To	Lessen Pounds	
Bentonite	0	50	400	Pour.

Was drive shoe used? Y ☒ N ☐

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	83	~~25~~	Steel	☐	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Plasma Torch
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Line
64	81	3/16	125	6"		☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

Depth flow encountered _____ ft. Describe access port or control devices: well Sgs 1

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
30 gpm			1

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

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 Dennis Phipps Well Drill Firm No. 332

Firm Officer [Signature] Date 9-10-94

and
Supervisor or Operator [Signature] Date 9-10-94

(Stop once in firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No. 814434
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0031317
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:

Name Vernon C. Rauch
Address 1069 Banks Lowman Rd
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

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

Twp 9N North ☐ or South ☐
Rge 4E East ☐ or West ☐
Sec 26 E1/4 NE 1/4 SW 1/4
Gov't Lot _____ County Boise

Lat: _____ Long: _____
Address of Well Site Banks Lowman Rd
City Garden Valley

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
Bentonite	0	40	12 sacks	Poured

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
6"	0	80	250	Steel	☒	☐	☒	☐
4 1/2"	0	300		PVC	☐	☐	☐	☐

Length of Headpipe 300 Length of Tailpipe _____Packer ☐ Y ☐ N Type #8 sand

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method slot PVC

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
300	320	025		4 1/2"	PVC	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
	0	320	38 sacks	poured

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

200 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 260 ft. Describe access port or control devices: _____

NA

12. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
7 gpm	260	260	2 Hr

Water Temp. 56 Bottom hole temp. 56Water Quality test or comments: good

260 Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	80	Sand & Gravel		X
6	80	210	D.G. brown		X
6	210	258	Blue Granite		X
6	258	260	Soft Brown Granite	X	
6	260	325	Blue Granite		X

Completed Depth 320 (Measurable)
Date Started 5/17/04 Completed 5/20/04

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 Rauch Drilling Inc Firm No. 570Principal Driller [Signature] Date 5/25/04

and Driller or Operator II _____ Date _____

Operator I _____ Date _____

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

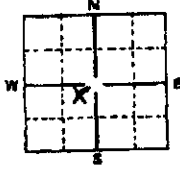
FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

RECEIVED
APR 8 1973

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

1. WELL OWNER Name <u>Myrna Graham</u> Address <u>Garden Valley, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>115</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																											
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☒ Bailor ☐ Other Discharge G.P.M. <u>25</u> Draw Down <u>10 ft</u> Hours Pumped <u>2</u>																																																											
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock		9. LITHOLOGIC LOG 46955 <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>6</td><td>0</td><td>35</td><td>Sandy Clay</td><td></td><td></td></tr><tr><td>11</td><td>35</td><td>70</td><td>Coarse sand & gravel</td><td></td><td></td></tr><tr><td>11</td><td>70</td><td>130</td><td>Sandy Clay</td><td></td><td></td></tr><tr><td>4</td><td>130</td><td>135</td><td>Reddish sand</td><td></td><td></td></tr><tr><td>4</td><td>135</td><td>150</td><td>Clay</td><td></td><td></td></tr><tr><td>11</td><td>150</td><td>155</td><td>Sandy Clay & gravel</td><td></td><td></td></tr><tr><td>4</td><td>155</td><td>162</td><td>Clay</td><td></td><td></td></tr><tr><td>11</td><td>162</td><td>165</td><td>Coarse white sand</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	6	0	35	Sandy Clay			11	35	70	Coarse sand & gravel			11	70	130	Sandy Clay			4	130	135	Reddish sand			4	135	150	Clay			11	150	155	Sandy Clay & gravel			4	155	162	Clay			11	162	165	Coarse white sand		
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																													
5. WELL CONSTRUCTION Diameter of hole <u>6</u> inches Total depth <u>165</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <u>1/4</u> inches Diameter <u>6</u> inches From <u>1</u> foot To <u>165</u> feet ____ inches ____ inches ____ feet ____ feet ____ inches ____ inches ____ feet ____ feet ____ inches ____ inches ____ feet ____ feet ____ inches ____ inches ____ feet ____ feet Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation ____ inches by ____ inches Number ____ From ____ To ____ ____ perforations ____ feet ____ feet ____ perforations ____ feet ____ feet ____ perforations ____ feet ____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Model No. _____ Type _____ Diameter ____ Slot size ____ Set from ____ feet to ____ feet Diameter ____ Slot size ____ Set from ____ feet to ____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from ____ feet to ____ feet Surface seal? ☒ Yes ☐ No To what depth <u>20</u> feet Material used in seal ☐ Cement grout ☒ Puddling clay																																																													
6. LOCATION OF WELL Sketch map location must agree with written location.  <u>65</u> County <u>Boise</u> <u>NE 1/4 Sec. 26 T. 9 N. R. 4 E</u>		10. Work started <u>April 6, 1973</u> finished <u>April 12, 1973</u>																																																											
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>Nicholas Hill Drilling</u> <u>54</u> Driller's or Firm's Name Number <u>921 1/2 Ave. Payette, Idaho</u> Address <u>Duncan Smith</u> <u>May 6, 1973</u> Signed By Date																																																											

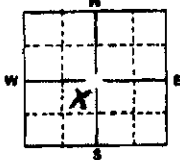
USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

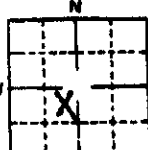
FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Mrs. R. L. Maxwell</u> Address <u>Garden Valley, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>112</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																							
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Other Discharge G.P.M. <u>25</u> Draw Down <u>18 ft</u> Hours Pumped <u>135</u>																																																																							
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock		9. LITHOLOGIC LOG 46954 <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>6</td><td>0</td><td>36</td><td>loamy clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>36</td><td>70</td><td>loamy sand & gravel</td><td></td><td>☒</td></tr><tr><td>4</td><td>70</td><td>80</td><td>loamy clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>80</td><td>85</td><td>light brown clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>85</td><td>130</td><td>loamy clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>130</td><td>140</td><td>gravel sand & clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>140</td><td>145</td><td>clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>145</td><td>155</td><td>loamy sand & clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>155</td><td>163</td><td>clay</td><td></td><td>☒</td></tr><tr><td>4</td><td>163</td><td>166</td><td>coarse sand</td><td></td><td>☒</td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	6	0	36	loamy clay		☒	4	36	70	loamy sand & gravel		☒	4	70	80	loamy clay		☒	4	80	85	light brown clay		☒	4	85	130	loamy clay		☒	4	130	140	gravel sand & clay		☒	4	140	145	clay		☒	4	145	155	loamy sand & clay		☒	4	155	163	clay		☒	4	163	166	coarse sand		☒
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6. LOCATION OF WELL Sketch map location must agree with written location.  County <u>Boise</u> <u>N.E. 1/4 S.W. 1/4 Sec. 26 T. 9 N. R. 4 E</u>		10. Work started <u>May 16, 1973</u> finished <u>May 23, 1973</u>																																																																							
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>Nicholas Well Drilling</u> 54 Driller's or Firm's Name Number <u>921 6th St. S. Payette, Idaho</u> Address <u>Charles H. Jones</u> June 23, 1973 Signed By Date																																																																							

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

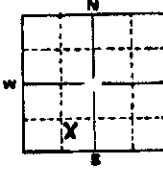
1. WELL OWNER Name <u>Terry Houston</u> Address <u>Box 11, Garden Valley, ID 83632</u> Drilling Permit No. <u>15-91-42-015</u> Water Right Permit No. _____		7. WATER LEVEL Static water level <u>90</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ OF. 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 ☒ Sailer ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>70</u></td><td><u>150</u></td><td><u>1</u></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	<u>70</u>	<u>150</u>	<u>1</u>																																																																		
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Bore Diam.	Depth		Material		Water Yes No																																																																						
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		10. Work started <u>5/10/91</u> finished <u>5/13/91</u>																																																																									
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>.250</u> inches</td><td><u>6</u> inches</td><td><u>1</u> foot</td><td><u>150</u> feet</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☒ Yes ☐ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</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> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>10</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port _____		Thickness	Diameter	From	To	<u>.250</u> inches	<u>6</u> inches	<u>1</u> foot	<u>150</u> feet													Number	From	To																																																			
Thickness	Diameter	From	To																																																																								
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name <u>APR 09 1992</u> Lot No. _____ Block No. _____ County <u>Boise</u> <u>NE 1/4 SW 1/4 Sec. 26, T. 9 N. R. 4 E.</u>		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Ripps Drilling</u> Firm No. <u>311</u> Address <u>7015 McGloathlin</u> Date <u>6/14/91</u> Signed by (Firm Official) <u>Wesley A. Ripps</u> and (Operator) <u>Samu</u>																																																																									

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

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

RECEIVED
MAY 8 1973
Department of Water Administration

1. WELL OWNER Name <u>Delbert Coulter</u> Address <u>Garden Valley, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>23</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug	
2. NATURE OF WORK ☐ New well ☒ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Other Discharge G.P.M. <u>15</u> Draw Down <u>20</u> Hours Pumped <u>3</u>	
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock		9. LITHOLOGIC LOG 46956 Hole Diam. Depth From To Material Water Yes No <u>6</u> <u>0</u> <u>135</u> <u>135</u> <u>Hard packed sand gravel</u> ☒ <u>11</u> <u>135</u> <u>138</u> <u>138</u> <u>Hard packed sand gravel</u> ☒ <u>11</u> <u>138</u> <u>150</u> <u>150</u> <u>Hard packed sand gravel</u> ☒ <u>11</u> <u>150</u> <u>153</u> <u>153</u> <u>Hard packed sand gravel</u> ☒	
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other			
5. WELL CONSTRUCTION Diameter of hole <u>6</u> inches Total depth <u>153</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness Diameter From To <u>1/4</u> inches <u>6</u> inches <u>1</u> feet <u>137</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☒ Knife ☐ Torch Size of perforation <u>1/8</u> inches by <u>1 1/2</u> inches Number From To <u>32</u> perforations <u>57</u> feet <u>55</u> feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>18</u> feet Material used in seal ☐ Cement grout ☒ Puddling clay			
6. LOCATION OF WELL Sketch map location must agree with written location.  65 County <u>Boise</u> <u>SE 1/4 SW 1/4 Sec. 26 T. 9 N. R. 4 E</u>		10. Work started <u>April 24, 1973</u> finished <u>April 26, 1973</u>	
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>Nicholas Well Drilling</u> <u>54</u> Driller's or Employer's Name <u>921 6th Ave. S. Payette, Idaho</u> Address <u>Boise, Idaho</u> Signed By <u>May 6, 1973</u>	

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

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

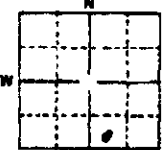
1. WELL OWNER Name <u>August Michaelis</u> Address <u>Hammer, Idaho</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>40</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																
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USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

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.

1. WELL OWNER Name <u>Stan Hicks</u> Address <u>Garden Valley, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>2' 5"</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug	
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☒ Pump ☐ Bailor ☐ Other Discharge G.P.M. <u>15</u> Draw Down <u>5'</u> Hours Pumped <u>2</u>	
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG 099793 Hole Diam. Depth From To Material Water Yes No <u>6"</u> <u>0</u> <u>2'</u> <u>Overburden</u> ☐ ☒ <u>6"</u> <u>2'</u> <u>6'</u> <u>Sand</u> ☐ ☒ <u>6"</u> <u>6'</u> <u>23'</u> <u>Gravel</u> ☒ ☐ <u>6"</u> <u>23'</u> <u>30'</u> <u>Clay</u> ☐ ☒ <u>6"</u> <u>30'</u> <u>40'</u> <u>Gravel & Sand</u> ☒ ☐	
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other			
5. WELL CONSTRUCTION Diameter of hole <u>6"</u> inches Total depth <u>40'</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness Diameter From To <u>250</u> inches <u>6"</u> inches <u>+ 1</u> feet <u>40</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or test used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number From To _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>23'</u> Material used in seal ☐ Cement grout ☐ Pudding clay ☒ Well cuttings Sealing procedure used ☒ Slurry pit ☐ Temporary surface casing ☐ Overbars to seal depth			
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Boise</u> SW ☐ SE ☐ Sec. <u>27</u> T. <u>9</u> N. ☒ R. <u>4</u> E. ☒		10. Work started <u>8-7-80</u> finished <u>8-13-80</u>	
		11. DRILLER'S CERTIFICATION Firm Name <u>Bunn Well Drilling</u> Firm No. <u>130</u> Address <u>9170 Colean Dr. Boise</u> Date <u>8-25-80</u> Signed by (Firm Official) <u>Kent P. Bunn</u> and (Operator) <u>Kent P. Bunn</u>	

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

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.

[illegible]

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

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[illegible]

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

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

814623

Office Use Only

Inspected by _____

Twp _____ Rge _____ Sec _____

Lat: _____ Long: _____

1. DRILLING PERMIT NO. _____
Other IDWR No. D0031356

2. OWNER:

Name SPECIALTY HOMES (PATTERSON)
Address 2525 STOKESBERRY CT
City MERIDIAN State ID Zip 83642

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location

W  E

Twp. 9 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 27 $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$
160 acres 40 acres 40 acres

S Gov't lot _____ County BOISE
Lat: _____ Long: _____
Address of Well Site MOUNTAIN VIEW RD & LANE D
CITY GARDEN VALLEY

(Give at least name of road + Distance to Road or Landmark)

Lt. 1 Blk. 2 Sub. Name MILLS MTNVIEW
RANCH #4

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

7. SEALING PROCEDURES				METHOD
SEAL/FILTER PACK			AMOUNT	
Material	From	To	Sacks or Pounds	
Bentonite	0	18	9 Sacks	OVERBORE

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 57

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+3	57	250	ST	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 13' Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type stainless steel telescoping

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
65	75	18	N/A	5	STST	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

Depth flow encountered 65 ft. devices:

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
40			1 HR

Water Temp.	Bottom hole temp.
-------------	-------------------

Water Quality test or comments:

Depth first Water Encountered 0

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Firm Name SOS Welldrilling & Pump Co Firm No. 212

Firm Official Frank S. Smith Date 5-11-04

Supervisor or Operator [Signature] Date 5-11-99

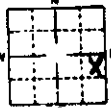
(Sign once if Firm Official & Operator)

Date: 5/12/04 Time: 8:23 AM

RECEIVED

JUN 17 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

1. WELL OWNER Name <u>GROFF, STEVE</u> Address <u>P.O. BOX 407</u> <u>GARDEN VALLEY, ID 83622</u> Drilling Permit No. <u>66-93-W-0064</u> Water Right Permit No. _____		7. WATER LEVEL Static water level <u>6</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 _____ °F. Quality _____ Describe artesian or temperature zones below.																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Modification ☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)		8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td>40</td><td>25</td><td>1</td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	40	25	1																																														
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name <u>Mills Mtn</u> <u>VIEW ROCK RANCH 4</u> Lot No. <u>3</u> Block No. <u>1</u> County <u>BOISE</u> Address of Well Site _____ (give at least name of road) T. <u>9</u> N. or S. ☐ R. <u>4</u> E. or W. ☐ NE 1/4 SE 1/4 Sec. <u>27</u>		10. Work started <u>4/19/93</u> finished <u>4/19/93</u>																																																					
11. DRILLER'S CERTIFICATION I/we certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>SOS Well Drilling</u> Phone No. <u>212</u> Address <u>4145 N. Blackhawk Road</u> <u>Meridian, Idaho 83642</u> Signed by Drilling Supervisor <u>[Signature]</u> and <u>[Signature]</u> (Operator) <u>[Signature]</u> (If different than the Drilling Supervisor)																																																							

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

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

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.

1. WELL OWNER Name <u>Dorothy C. Krawczyk</u> Address <u>GARDEN VALLEY - South Fr Payette</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>40</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature <u>47</u> ° F. Quality <u>FAIR</u> Artesian closed-in pressure _____ P.S.I. Controlled by ☐ Valve ☐ Cap ☐ Plug																																															
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☒ Pump ☒ Bailor ☐ Other <u>8 1/2"</u> Discharge G.P.M. <u>20</u> Draw Down <u>10</u> Hours Pumped <u>2</u> Drops per minute <u>2</u> Water level <u>10</u> feet																																															
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11. DRILLER'S CERTIFICATION Firm Name <u>SCOTT DRILLING</u> Firm No. <u>327</u> <u>RT. 3 Owyhee U. Hwy</u> Address <u>Caldwell, Idaho</u> Date <u>8-22-77</u> Signed by (Firm Official) <u>James A. Scott</u> and Operator <u>James A. Scott</u>																																																	

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

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.

1. WELL OWNER Name <u>PETE WILSON</u> Address <u>3707 N. 39TH/BOISE-ID 83703</u> Owner's Permit No. <u>65-90-Z-120</u>	7. WATER LEVEL Static water level <u>15</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 _____ OF. 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;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td>25</td> <td>75</td> <td>1</td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	25	75	1																										
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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. Work started <u>11-8-90</u> finished <u>11-8-90</u>																																
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Thickness	Diameter	From	To																														
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. Subdiv. <u>MILL & MOUNTAIN VIEW</u> Lot No. <u>1</u> Block No. _____ County <u>BOISE</u> SE 1/4 NW 1/4 Sec. <u>27</u> T. <u>9N</u> S. <u>4E</u> W. <u>4E</u>																																	

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

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 10 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat. : : Long. : :
Date: 05/24/96 Time: 2:48 PM

1. DRILLING PERMIT NO. 65-96-W-0095-000
Other IDWR No. _____

2. OWNER:

Name Project Patch C/O Tom Sanford
Address P.O. Box 450
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location

W  E

Twp. 9 North ☒ or South ☐
 Rge. 4 East ☒ or West ☐
 Sec. 28 $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$
 10 acres 40 acres 160 acres

S Gov't lot _____ County Boise

Lat: _____ Long: _____

Address of Well Site 10 miles East of Banks on Garden Valley Hwy.
(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.)

3. TYPE OF WORK circle one that apply (check one)
☒ 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	
bentonite	0	18	12	OVER NOTE

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
6"	41	55'9"	250	steel	☒	☐
4.5"	51	59	140	PVC	☐	☒
					☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method saw
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Line
51	59		40			☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

6 ft. below ground Artesian Pressure _____ lb
Depth flow encountered _____ ft. Describe access port or control _____

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
120	no test		

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments:

Depth first Water Encountered 3'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

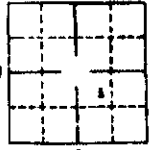
1/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name S.O.S. Welldrilling & Pump Firm No. 212

Firm Official Paul Shiner Date 5-30-96

Supervisor or Operator [Signature] Date 5-30-96
(Sign once if Firm Official & Operator)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

1. WELL OWNER Name <u>JOHN B McCALLON</u> Address <u>Box 112 GARDEN VALLEY</u> Drilling Permit No. <u>65-90-W-104</u> Water Right Permit No. _____		7. WATER LEVEL Static water level <u>42</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 _____ OF. Quality _____ Describe artesian or temperature zones below																																	
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5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>6</u> inches</td><td><u>0</u> feet</td><td><u>100</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation _____ inches by _____ inches Number _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>10</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Pudding clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port _____				Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>0</u> feet	<u>100</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet												
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6. LOCATION OF WELL Sketch map location must agree with well permit  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Boise</u> <u>SE 1/4 NW 1/4 Sec. 34 T. 9 N. R. 4 W. 4</u>																																			
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>H. L. Stevens</u> Firm No. <u>487</u> Address <u>Box 17A RIT</u> Date <u>12-15-90</u> Signed by (Firm Official) _____ and _____ (Operator) <u>H. L. Stevens</u>																																			

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

Use Typewriter
or
Ball Point Pen

49932

1. DRILLING PERMIT NO. 65-94-W-0476-001
Other IDWR No. _____

2. OWNER: EARL + FAY Livingston
Name _____
Address HC 76, Box 4043
City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 T. 9 North ☒ or South ☐
 E. 4 East ☒ or West ☐
 Sec. 34 $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE
 Gov't Lot _____ County. 605C

Address of Well Site Garden Valley

(Give at least Direction + Distance to Road or Landmark)

Lot No. _____ Block No. _____ Subd. Name _____

4. PROPOSED USE:

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

5. TYPE OF WORK *Neutron*

☐ 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	Backs or disposal	
Bentonite	4	18	2	overbore

Was drive shoe seal tested? ☐ YES ☐ NO How?

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Alloy	Sheet	Plastic	Welded	Threaded
60"	85	145	24"	5500		☒	☐	☒	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes.

Top Packer or Headpipe 12' Bottom Tailpipe 1

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Type _____ Material SS

From	To	Slot Size	Number	Diameter	Yale Pipe Size	Casting	Line
165	185	0000		5"	—	☐	☐
						☐	☐
						☐	☐
						☐	☐

10. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Depth	Time
25	30'	105"	1 hr.

Temperature of water _____ Was a water analysis done? Yes ☐ No ☐

By whom?

Water Quality (odor, etc.)

Bottom Hole Temperature.

11. STATIC WATER LEVEL:

15 ft. below surface Depth artesian flow found

Artesian pressure _____ lb. Describe access port.

Describe Controlling Devices:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

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 Phelps Drilling Firm No. 311

Firm Official W. L. Turner 12/8/94

Supervisor or Operator 15 at the Date

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTTYPEWRITER OR
ALLPOINT PENState 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.

1. WELL OWNER Name <u>Gary Bunn</u> Address <u>Garden Valley Idaho</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>20'</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 _____ °F. Quality _____																																																																																																																																		
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr><tr><td><u>150</u></td><td><u>-</u></td><td><u>1</u></td></tr></table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>150</u>	<u>-</u>	<u>1</u>																																																																																																																												
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USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

62154

Office Use Only	
Inspected by	
Twp	Rge
1/4	1/4
Sec	1/4
Lat	Long

1. DRILLING PERMIT NO. 65-97-4-266-000

Other IDWR No. _____

2. OWNER:

Name Della Jenkins
Address 8350 Willow Park
City Boise State ID Zip 83714

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N	
W	E
1	2
3	4
5	6
7	8
9	10

Twp. 9 North ☒ or South ☐
Rge. 4 East ☒ or West ☐
Sec. 35 1/4 SE 1/4 SE 1/4
Gov't Lot _____ County Boise
Lat: _____ Long: _____

Address of Well Site: Alma Creek / Garden Valley City Garden Valley
(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/FILTER PACK			AMOUNT Sacks or Pounds	METHOD
Material	From	To		
Bentonite	0	20	300	Pump

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
8	71	24	250	Steel	☐	☐	☐	☐
4 1/2	11	121	250	PVC	☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
121	181	3/16	4	4 1/2	PVC	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____50 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices: Well Seal

11. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
15			2

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
10	0	2	Top Soil		☒
8	2	18	SAND - Boulder		☒
	18	30	Gravel Gravel		☒
	30	50	Gravel Gravel		☒
	50	181	Gravel	☒	

RECEIVED
NOV - 3 1997
RECEIVED WATER RESOURCES
WESTERN REGION
NOV 05 1997
Department of Water Resources
Completed Depth 50 (Measurable)
Date Started 8-11-97 Completed 8-12-97

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 Dennis Pharris Firm No. 332Firm Official Den Pharris Date 9-1-97and
Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT
Use Typewriter or Ballpoint Pen

058176

Office Use Only			
Inspected by _____			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

1. DRILLING PERMIT NO. 65-96-W-0290-000
Other IDWR No. _____2. OWNER:
Name Mike Baxter
Address 186 E 8th
City Garden Valley State Id Zip 83622

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>9</u>		North ☒ or South ☐	
E		Rge. <u>35</u>		East ☒ or West ☐	
S		Sec. <u>35</u>		1/4 <u>SE</u> 1/4 <u>SE</u> 1/4	
W		Gov't Lot _____		County <u>Boise</u> 10 acres 180 acres	
		Lat: _____		Long: _____	
		Address of Well Site <u>Chartus Mountain</u>			
		City <u>Garden Valley</u>			
		Rd. _____			
		(Give at least name of road + Distance to Road or Landmark)			

Lt. _____ Blk. _____ Sub. Name part of lot 6

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 Sacks or Pounds	METHOD
Material	From	To		
<u>Best</u>	<u>0</u>	<u>20</u>	<u>700</u>	<u>10' surface</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 78'-5"
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Depth	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6</u>	<u>72</u>	<u>78</u>	<u>240</u>	<u>Steel</u>	☐	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method Set with R.F.
☒ Screens Screen Type PVC

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>77</u>	<u>278</u>	<u>20</u>	<u>4 1/2</u>	<u>PVC</u>		☐	☒
<u>77</u>	<u>277</u>	<u>1/8 x 1/8</u>	<u>20</u>	<u>Steel</u>		☐	☐
<u>277</u>	<u>278</u>	<u>20</u>	<u>Factory Screen</u>			☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
<u>72</u>		<u>250</u>	<u>2 Hrs.</u>

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____Depth first Water Encountered 120

12. LITHOLOGIC LOG: (Describe repairs or abandonment) water

Core Dis.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>4</u>	<u>overburden</u>		☒
<u>6</u>	<u>4</u>	<u>78</u>	<u>Large gravel</u>		☒
<u>78</u>	<u>120</u>		<u>Solid granite</u>		☒
<u>120</u>	<u>131</u>		<u>Decomposed granite</u>	☒	
<u>131</u>	<u>170</u>		<u>Solid granite</u>		☒
<u>170</u>	<u>221</u>		<u>Decomposed granite</u>	☒	
<u>221</u>	<u>230</u>		<u>Solid granite</u>		☒
<u>230</u>	<u>262</u>		<u>Decomposed granite</u>	☒	
<u>262</u>	<u>270</u>		<u>Solid granite</u>		☒
<u>270</u>	<u>282</u>		<u>Decomposed granite</u>	☒	

MICROFILMED

FEB 05 1997

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NOV 1 1996

NOV - 6 1996

Department of Water Resources

WATER RESOURCES
WESTERN REGIONCompleted Depth 282' (Measurable)
Date: Started 9-3-96 Completed 9-7-96

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 Precision Well & Pump Firm No. 522Firm Official Jeff Ransom Date 9-20-96and Supervisor or Operator (Same) Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

62939

1. DRILLING PERMIT NO. 65-95-W-0281-000
Other IDWR No. _____

2. OWNER:
Name Doug Downley
Address HC 77 Box 27780
City Garden Valley State Id Zip 83622

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>9</u>		North ☒ or South ☐	
E		Rge. <u>4</u>		East ☒ or West ☐	
S		Sec. <u>35</u>		NW 1/4 SE 1/4 1/4	
W		Gov't Lot _____		County _____	

Address of Well Site Alden Creek City Garden Valley
(Give at least name of road - Distance to Road or Landmark)

Lt. _____ Bk. _____ Sub. Name _____

4. PROPOSED USE:

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

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		
<u>Bentonite</u>	<u>0</u>	<u>20</u>	<u>300</u>		<u>Pow.</u>

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
<u>6</u>	<u>1</u>	<u>39</u>	<u>250</u>	<u>Steel</u>	☐	☐	☐	☐
<u>4 1/2</u>	<u>10</u>	<u>100</u>	<u>220</u>	<u>PVC</u>	☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Knife
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>100</u>	<u>132</u>	<u>3/16</u>	<u>330</u>	<u>4 1/2</u>	<u>Steel</u>	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>18</u>			<u>1</u>

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	Y	N
<u>8</u>	<u>0</u>	<u>3</u>	<u>Top Soil</u>		☒
	<u>3</u>	<u>38</u>	<u>Sand & Boulders</u>		☒
	<u>38</u>	<u>46</u>	<u>clay</u>		☒
	<u>46</u>	<u>192</u>	<u>Gravels</u>	☒	
	<u>192</u>	<u>194</u>	<u>Broken Gravel</u>	☒	
	<u>194</u>	<u>228</u>	<u>Gravels</u>	☒	
	<u>228</u>	<u>232</u>	<u>Broken Gravel</u>	☒	

RECEIVED

MAY 6 1996 OCT 13 1995
WATER RESOURCES
WESTERN REGION

Completed Depth 232 (Measurable)
Date: Started 8-12-95 Completed 8-12-95

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 Dennis Phipps Firm No. 332

Firm Official Dennis Phipps Date 9-10-95

and Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

770744
Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____
Lat _____ Long _____
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

1. WELL TAG NO. D D0019016
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Doug Donley
Address 13 Britney Lane
City Garden Valley State ID Zip _____

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N
W
E
S
Twp 9 North ☒ or South ☐
Rge 4 East ☒ or West ☐
Sec 35 1/4 NW 1/4 SE 1/4
Gov't Lot _____ County Boise
Lat _____ Long _____
Address of Well Site Garden Valley

(Give at least name of road, distance to road or landmark)
Lt. _____ Bk. _____ 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
☒ Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From To	Feet or Pounds		
Bentonite	0 15	7		Overbore

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	2	19	250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☒ Perforations Method Sawed
☐ Screens Screen Type PVC Well Casing

From	To	Slot Size	Number	Ussimeter	Material	Casing	Liner
10	246	1/4"		4 1/2	PVC	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
65' ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Sanitary Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
10		210	1

Water Temp. 57 Bottom hole temp. _____
Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Depth first Water Encounter _____

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
10"	0	1	Top Soil	No		
10"	1	4	Brown Sand	No		
10"	4	6	Gravel & Sand	No		
10"	6	10	Br & Grey Granite	No		
6"	10	35	Granite	NO		
6"	35	70	Hard Granite	Yes		
6"	70	85	Soft fractured Granite/2gpm	No		
6"	85	90	Grey Granite	Yes		
6"	90	110	Red & White Granite	No		
6"	110	140	Fine Granite/crks	Yes		
6"	140	180	Coarse Granite/Crks	No		
6"	180	190	Solid Hard Granite	No		
6"	190	210	Course soft Granite	Yes		
6"	210	235	Soft Granite	No		
6"	235	246	Grey Soft Granite			

RECEIVED
SEP 12 2001
WATER RESOURCES
WESTERN REGION

Completed Depth 246' (Measurable)
Date: Started 8/28/01 Completed 8/28/01

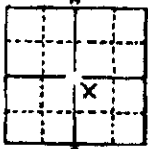
13. DRILLER'S CERTIFICATION

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

Company Name Can-Ada Well & Pump Firm No. 304
Firm Official Earl Skinner Date 9/6/01
and Jay Hobbs Date 9/6/01
Driller or Operator (Sign once if Firm Official & Operator)

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.

1. WELL OWNER Name <u>Jon Barnes</u> Address <u>Boulder Valley Id.</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>10</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug	
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describes method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☒ Bailer ☒ Other <u>Air Cogen</u> Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____	
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG Hole Diam. _____ Depth _____ Material <u>03782</u> Water _____ From To Material Yes No <u>1"</u> <u>0</u> <u>4</u> <u>Top soil & clay</u> ☒ ☒ <u>4</u> <u>16</u> <u>Runny Rock</u> ☒ ☒ <u>16</u> <u>23</u> <u>Drill</u> ☒ ☒ <u>23</u> <u>36</u> <u>Yellow sand & thin Rock</u> ☒ ☒ <u>36</u> <u>65</u> <u>Dark yellow sand</u> ☒ ☒ <u>65</u> <u>67</u> <u>Clay</u> ☒ ☒ <u>67</u> <u>68</u> <u>Sand</u> ☒ ☒	
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other			
5. WELL CONSTRUCTION Diameter of hole <u>6"</u> inches Total depth <u>67</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness _____ inches Diameter _____ inches From _____ feet To _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☒ Torch Size of perforation <u>1/2</u> inches by <u>4</u> inches Number _____ From _____ To _____ <u>25</u> perforations <u>65</u> feet <u>60</u> feet <u>40</u> perforations <u>20</u> feet <u>30</u> feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☒ Yes ☐ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>18'</u> Material used in seal ☐ Cement grout ☐ Pudding clay ☒ Well cuttings Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbars to seal depth			
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Bonito</u> <u>NW 1/4 Sec. 35 T. 9 N. R. 4 E. 1/4</u>		10. Work started <u>7/20/76</u> finished <u>8/2/76</u>	
		11. DRILLER'S CERTIFICATION Firm Name <u>Physis Well Drilling</u> Firm No. <u>22</u> Address <u>2209 Dorothy</u> Date <u>10/2/76</u> Signed by (Firm Official) <u>Dennis L. Physis</u> and (Drillster) <u>Dennis L. Physis</u>	

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

REPORT OF WELL DRILLER
State of Idaho

RECEIVED
JUN 11 1966

State law requires that this report shall be filed with the State Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:

Name Mr. Earl PattonAddress Payette, IdahoState Route

Owner's Permit No. _____

NATURE OF WORK (check): Replacement well ☐New well ☒ Deepened ☐ Abandoned ☐Water is to be used for: LivestockMETHOD OF CONSTRUCTION: Rotary ☐ Cable ☒Dug ☐ Other _____

(explain) _____

CASING SCHEDULE: Threaded _____ Welded ☒6" "Diam. from 0 ft. to 70'6" ft.

"Diam. from _____ ft. to _____ ft.

"Diam. from _____ ft. to _____ ft.

"Diam. from _____ ft. to _____ ft.

Thickness of casing: 14 in Material: _____Steel ☒ concrete ☐ wood ☐ other ☐

(explain) _____

PERFORATED? Yes ☐ No ☒ Type of

perforator used: _____

Size of perforations: _____ " by _____ "

perforations from _____ ft. to _____ ft.

perforations from _____ ft. to _____ ft.

perforations from _____ ft. to _____ ft.

perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☒

Manufacturer's name _____

Type _____ Model No. _____

Diam. Slot size Set from _____ ft. to _____ ft.

Diam. Slot size Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐No. ☒ size of gravel _____ Gravel

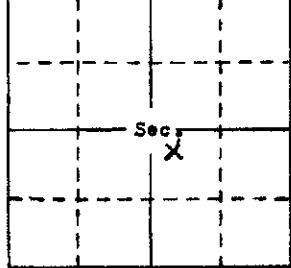
placed from _____ ft. to _____ ft. Surface seal

provided? Yes ☒ No ☐ To what depth?70'6" ft. Material used in seal: ShaleDid any strata contain unusable water? Yes ☐No. ☒ Type of water: Soft

Depth of strata _____ ft. Method of sealing

strata off: Steel Casing drove intoshaleSurface casing used? Yes ☒ No ☐Cemented in place? Yes ☐ No ☒

Locate well in section

LOCATION OF WELL: County PayetteN.E. Sec. 35 T. 9 N. R. 4 E. 1/4 V. 2

Use other side for additional remarks

Size of drilled hole: 6" Totaldepth of well: 85'6" Standing waterlevel below ground: 40'6" Temp. _____Fahr. _____ Test delivery: 30 gpmor _____ cfs Pump? ☐ Bail ☒

Size of pump and motor used to make test: _____

Length of time of test: _____ Hrs. 45 Min.Drawdown: 2 ft. Artesian pressure: ft.

above land surface Give flow _____ cfs

or _____ gpm. Shutoff pressure: _____

Controlled by: Valve ☐ Cap ☐ Plug ☐No control ☐ Does well leak around casing?Yes ☐ No ☒DEPTH MATERIAL 4401 WATER

FROM TO YES OR NO

FEET FEET

0 12 Drill pipe and12 80 Shale80 85 Shale & Gravel

USGS

FORWARD WHITE COPY TO WATER RESOURCES

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: _____ Long: _____

1. DRILLING PERMIT NO. 0 000 1 902
Other IDWR No. 65-98-W-0218-000

2. OWNER:

2. OWNER,
Name ☒ Willard & Jerrie Gribble
Address ~~Shelby~~ ⁴⁸⁴⁶⁰ **AMBER LANE**
City **Shelby TOWNSHIP** State MI Zip **48315**

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 Twp. 9H North ☐ or South ☐
 Rge. R4E East ☐ or West ☐
 Sec. 35 $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$
10 acres 10 acres 160 acres
 Gov't Lot _____ County _____
 Lat. _____ Long. _____
 Address of Well Site Crosstimmer
City Garden Valley

Li. _____ Bk. _____ 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/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	40	17	gravel

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
6"	0	215	250	Steel	☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 195 Length of Tailpipe 10'

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type s/s 030

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
195	205	030		6"	3/5	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
10	200	200	4 hr

Water Temp. 57 Bottom hole temp. 57

Water Quality test or comments: good

Depth first Water Encountered

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

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 Rauch Drilling Co. Firm No. 570

Firm Official [Signature] Date 7/31/98
and

Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: _____ : _____ : _____ Long: _____ : _____ : _____

1. WELL TAG NO. D 0009596 Well # 2
 DRILLING PERMIT NO. 65-99 W-0209-000
 Other IDWR No. _____

2. OWNER: Jon Barnes
Name _____
Address P.O. Box 2797
City Boise State ID Zip 83701

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
 W E
 Twp. 9N North ☐ or South ☐
 Rge. 4E East ☐ or West ☐
 Sec. 35 SE 1/4 SW 1/4 1/4
 Gov't Lot _____ County _____
 Lat: _____ Long: _____
 10 acres 40 acres 160 acres

Address of Well Site Crosstimber
Ranch, Alder Creek Rd. City Garden Valley
(Give all four corners of land & 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/FILTER PACK				AMOUNT	METHOD
Material	From	To	Sacks or Pounds		
Bentonite	0	40	15	Gravity	

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) N, A
Was drive shoe seat tested? ☐ Y ☐ N How? N, A

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Linear	Welded	Threaded
6	0	290	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 290 Length of Tailpipe 10

9. PERFORATIONS/SCREENS

Perforations	Method
--------------	--------

Screens Screen Type s/s Screen

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
290	300	030			s/s	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

Depth flow encountered 160 ft. below ground. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
18	290	290	3 Hr.

Water Temp. 58 Bottom hole temp. 58

Water Quality test or comments: Good

Depth first Water Encounter

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Company Name Rauch Drilling Firm No. 570

Firm Official _____ Date _____
and
Driver or Operator [Signature] Date 8-23-98
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 054182

Office Use Only

Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: _____ Long: _____

1. WELL TAG NO. D 0009598 Hole # 1
 DRILLING PERMIT NO. 65-99 W-0324-000
 OTHER IDWR No.

2. OWNER: Jon Barnes
Name
Address P.O. Box 2797
City Boise State ID Zip 83701

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 9N North ☐ or South ☐
 Rge. 4E East ☐ or West ☐
 Sec. 35 SE 1/4 SW 1/4 1/4
 Gov't Lot 10 acres 40 acres 160 acres
 County _____
 Lat. _____ Long. _____
 Address of Well Site Crosstimmer
Ranch Anderson Cr City Garden Vall
 Range _____ Township _____ District _____

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/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	50	18	Gravity

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	0	300	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 300 Length of Tailpipe 15

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
Screens _____ Screen Type s/s Screen

From	To	Slot Size	Number	Diameter	Material	Casing	Linear
300	310	030		6	s/s	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

140 ft. below ground Artesian pressure N.A. lb.
Depth flow encountered 270 ft. Describe access port or
control devices:

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
30	300	300	4 Hr.

Water Temp. 58 Bottom hole temp. 58

Water Quality test or comments: Good

Depth first Water Encounter 270

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Company Name Rauch Drilling Firm No. 570

From Official _____ Date _____
and _____
Driver or Operator 7/10/81 Date 8/23/89

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

1. DRILLING PERMIT NO. 65-95-W-0308-200
Other IDWR No. _____

2. OWNER: LARRY B. BARNES
Name
Address P.O. Box 2797
City Boise State Id. Zip 83701

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
 W E S
 Twp. 9 North ☒ or South ☐
 Rge. 4 East ☒ or West ☐
 Sec. 35 1/4 SE 1/4 NW 1/4
 Gov't Lot 5 County Boise 10 acres 10 acres 160 acres
 Lat: _____ Long: _____
 Address of Well Site _____
 City GARDEN VALLEY
 (Give at least name of road & distance to Point of Landmark)
 Lt. 5 Blk. _____ Sub. Name _____

4. USE:

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

7. SEALING PROCEDURES				
SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	19	200	OVCR ROPS

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 41"
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+ 18"	41'	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method DROP IN
☐ Screens Screen Type P.V.C.

From	To	Slot Size	Number	Diameter	Material	Casing	Line
40	100	1/8		4 1/2	P.V.C.	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20	40'	80'	2 hr.

Water Temp. Cold Bottom hole temp. _____

Water Quality test or comments: good

Depth first Water Encountered 4

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	1	TOP SOIL		X
10	1	10	Large Boulders	X	
10	10	19	GRAVEL - Sand	X	
6	19	30	Boulders - GRAVEL	X	
6	30	35	Sand STONE-CLAY		X
6	35	40	layers clay - Sand STONE		X
6	40	60	ccmented GRAVEL		X
6	60	70	Yellow clay - Sand STONE		X
6	70	80	ccmented GRAVEL		X
6	80	100	Sand STONE - GRAVEL Mix	X	

RECEIVED

NOV 12

Depar We apologize for the
lateness of the log for
Larry Barnes #165-95W0308-000
This was one of the last wells
drilled by Rod before he
quit and we had to get
the info from him.

INDEX

RECEIVED

MAR 07 1996

NOV 06 1995

**WATER RESOURCES
WESTERN REGION**

Completed Depth 90' (Measurable)
Date Started 8-25-95 Completed 8-27-95

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 Precision Well & pump Firm No. 522

Firm Official J. J. Ransom Date 10-27-95

and
Supervisor or Operator Doc Rantey Date 9-27-95
(Sign once if Firm Official & Operator)

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

(41)

Form 238-7
8/95

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

63769

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat. _____ Long. _____

1. DRILLING PERMIT NO. 65-95-W-0308-200
Other IDWR No. _____

2. OWNER: LARRY B. BARNES
Name _____
Address P.O. Box 2797
City Boise State Id Zip 83701

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

North ☒ or South ☐
East ☒ or West ☐
Twp. 9 Rge. 4 Sec. 35
Gov't Lot 5 County Boise
Lat. _____ Long. _____
Address of Well Site _____
City GARDEN VALLEY
Lt. 5 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/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>Bentonite</u>	<u>0</u>	<u>19</u>	<u>200</u>		<u>OVERBORE</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 41'
Was drive shoe seal tested? ☒ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6 + 18"</u>	<u>41'</u>	<u>260</u>	<u>260</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method DROP IN
☐ Screens Screen Type P.V.C.

From	To	Slot Size	Number	Quameter	Material	Casing	Liner
<u>40</u>	<u>100</u>	<u>1/8</u>		<u>4 1/2</u>	<u>P.V.C.</u>	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>20</u>	<u>40'</u>	<u>80'</u>	<u>2 hr.</u>

Water Temp. Cold Bottom hole temp. _____
Water Quality test or comments good Depth first Water Encountered 4'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>1</u>	<u>TOP SOIL</u>		☒
<u>10</u>	<u>1</u>	<u>10</u>	<u>Large Boulders</u>	☒	
<u>10</u>	<u>10</u>	<u>19</u>	<u>GRAVEL - Sand</u>	☒	
<u>6</u>	<u>19</u>	<u>30</u>	<u>Boulders - GRAVEL</u>	☒	
<u>6</u>	<u>30</u>	<u>35</u>	<u>Sand STONE-CLAY</u>	☒	
<u>6</u>	<u>35</u>	<u>40</u>	<u>LAYERS CLAY - SAND STONE</u>	☒	
<u>6</u>	<u>40</u>	<u>60</u>	<u>CCMATED GRAVEL</u>	☒	
<u>6</u>	<u>60</u>	<u>70</u>	<u>Yellow CLAY - SAND STONE</u>	☒	
<u>6</u>	<u>70</u>	<u>80</u>	<u>CCMATED GRAVEL</u>	☒	
<u>6</u>	<u>80</u>	<u>100</u>	<u>SAND STONE - GRAVEL MIX</u>	☒	

RECEIVED

NOV 12 1995

Dear _____
We apologize for the lateness of the log for Larry Barnes #65-95W0308-000. This was one of the last wells drilled by Rod before he quit and we had to get the info from him.

RECEIVED

MAR 07 1996

RECEIVED

NOV 06 1995

WATER RESOURCES
WESTERN REGION

Completed Depth 90' (Measurable)
Date Started 8-25-95 Completed 8-27-95

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 Precision Well & Pump Firm No. 522

Firm Official Jeff Hansen Date 10-27-95

and Supervisor or Operator Rod Ramsey Date 8-27-95

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Office Use Only
Inspected by _____
Twp. _____ Rge. _____ Sec. _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____
☒ Air ☐ Flowing Artesian

1. DRILLING PERMIT NO. 65-95-W-0365-000
Other IDWR No. _____

2. OWNER:
Name Larry B. Barnes
Address PO Box 2797
City Boise State ID Zip 83701

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 9 North ☒ or South ☐
 Rge. 4 East ☒ or West ☐
 Sec. 35 $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$
 Gov't Lot _____ County Ba. Co.
 Lat. _____ Long. _____
 Address of Well Site Alder Creek Rd
 City Garden Valley

(Name of street) (Name of house) + Distance to Point or Landmark

L. _____ Blk. _____ Sub. Name _____

4. USE:

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

DRILL METHOD ☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

7. SEAL/FILTER PROCEDURES				METHOD
SEAL/FILTER PACK			AMOUNT	
Material	From	To	Sacks or Pounds	
Western Best.	0	19	450	over bore

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
6	+2	19	20	Steel	☒	☐	☒	☐
4 1/2	-20	202	4 1/2	PVC	☐	☒	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Cut-off wheel
☐ Screens Screen Type 4 1/2" perc. well casing

From	To	Slot Size	Number	Diameter	Material	Casing	Line
180	202	1/8" x 5'		4 1/2"	PVC	☒	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
40		180'	3 hrs

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: good

Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Firm Name Precision well pump Firm No. 522

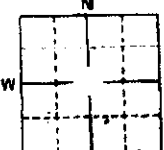
Firm Official Jeff Raman Date 9-28-95
and

Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

1. WELL OWNER Name <u>Ramon Encinas ENCINAS</u> Address <u>Box 29 Garden Valley, Id. 83622</u> Owner's Permit No. <u>63-90-W-220</u>		7. WATER LEVEL Static water level <u>36</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 _____ of 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 ☐ Boiler ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>9</u></td><td><u>93</u></td><td><u>1</u></td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>9</u>	<u>93</u>	<u>1</u>																																														
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG <u>075439</u> <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td><u>6</u></td><td><u>0</u></td><td><u>10</u></td><td><u>topsoil</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>10</u></td><td><u>13</u></td><td><u>gravel</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>13</u></td><td><u>55</u></td><td><u>granite</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>55</u></td><td><u>58</u></td><td><u>granite / Fractured</u></td><td>☒</td><td></td></tr><tr><td></td><td><u>58</u></td><td><u>92</u></td><td><u>granite</u></td><td></td><td>☒</td></tr><tr><td></td><td><u>92</u></td><td><u>94</u></td><td><u>granite / Fractured</u></td><td>☒</td><td></td></tr><tr><td></td><td><u>94</u></td><td><u>95</u></td><td><u>granite</u></td><td></td><td>☒</td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	<u>6</u>	<u>0</u>	<u>10</u>	<u>topsoil</u>		☒		<u>10</u>	<u>13</u>	<u>gravel</u>		☒		<u>13</u>	<u>55</u>	<u>granite</u>		☒		<u>55</u>	<u>58</u>	<u>granite / Fractured</u>	☒			<u>58</u>	<u>92</u>	<u>granite</u>		☒		<u>92</u>	<u>94</u>	<u>granite / Fractured</u>	☒			<u>94</u>	<u>95</u>	<u>granite</u>		☒
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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		RECEIVED AUG 21 1990 Department of Water Resources Western Regional Office																																																					
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☒ Other <u>PVC</u> <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>280</u> inches</td><td><u>6</u> inches</td><td><u>16</u> feet</td><td><u>21</u> feet</td></tr><tr><td><u>250</u> inches</td><td><u>4 1/2</u> inches</td><td><u>15</u> feet</td><td><u>95</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☒ Knife ☐ Torch ☐ Gun Size of perforation <u>1/8</u> inches by <u>6</u> inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>160</u> perforations</td><td><u>16</u> feet</td><td><u>95</u> feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Model No. _____ Type _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>21</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☒ Slurry pit ☒ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☒ Solvent Weld ☐ Cemented between strata Describe access port _____				Thickness	Diameter	From	To	<u>280</u> inches	<u>6</u> inches	<u>16</u> feet	<u>21</u> feet	<u>250</u> inches	<u>4 1/2</u> inches	<u>15</u> feet	<u>95</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	<u>160</u> perforations	<u>16</u> feet	<u>95</u> feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																				
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6. LOCATION OF WELL Sketch map location must agree with written description  Subdivision Name <u>JUL 08 1992</u> Lot No. <u>7</u> Block No. _____ County <u>SW 1/4 SE 1/4 Sec. 35, T. 9N, S. 4R, 4E</u>		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Gen State Drilling</u> Firm No. <u>277</u> Address <u>290 S. Eagle Rd. Eagle</u> Date <u>8/13/90</u> Signed by (Firm Official) <u>Elmer E. Smith</u> and (Operator) <u>David L. Smith</u>																																																					

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

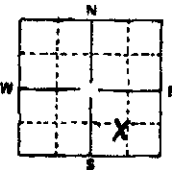
USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

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

RECEIVED
JUN 28 1973

1. WELL OWNER Name <u>Douglas Dorely</u> Address <u>Garden Valley, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>13</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Other Discharge G.P.M. <u>3</u> Draw Down <u>150</u> Hours Pumped <u>3</u>																																																					
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock		9. LITHOLOGIC LOG 46951 <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>6</td><td>0</td><td>7</td><td>Surface soil</td><td></td><td></td></tr><tr><td>11</td><td>7</td><td>10</td><td>Gravel</td><td></td><td></td></tr><tr><td>11</td><td>10</td><td>22</td><td>Gravel, sandy, fine</td><td></td><td></td></tr><tr><td>11</td><td>22</td><td>65</td><td>Hard sandstone</td><td></td><td></td></tr><tr><td>11</td><td>65</td><td>66</td><td>Gravel, sandy, fine</td><td></td><td></td></tr><tr><td>11</td><td>66</td><td>220</td><td>Hard sandstone</td><td></td><td></td></tr><tr><td>11</td><td>219</td><td>220</td><td>Concrete grout</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	6	0	7	Surface soil			11	7	10	Gravel			11	10	22	Gravel, sandy, fine			11	22	65	Hard sandstone			11	65	66	Gravel, sandy, fine			11	66	220	Hard sandstone			11	219	220	Concrete grout		
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4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																							
5. WELL CONSTRUCTION Diameter of hole <u>6</u> inches Total depth <u>220</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <u>1/4</u> inches Diameter <u>6</u> inches From <u>1</u> feet To <u>22</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>22</u> feet Material used in seal ☐ Cement grout ☒ Puddling clay																																																							
6. LOCATION OF WELL Sketch map location must agree with written location.  County <u>Boise</u> S.W. 1/4 SE 1/4 Sec. 35 T. 9 N. R. 4 E		10. Work started <u>April 26, 1973</u> finished <u>May 11, 1973</u>																																																					
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>Nicholas Hill Drilling 54</u> Driller's or Firm's Name _____ Address <u>921 6th Ave. S. Payette, Idaho</u> Signed By <u>Nicholas Hill</u> Date <u>June 23, 1973</u>																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

Appendix C:
Drillers' Reports from Southfork Landing Test Wells

Form 238-7
3/95-C96IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Inspected by _____			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	Long		

1. DRILLING PERMIT NO. 0-0-4-20-94
Other IDWR No. 891589-836656

2. OWNER:

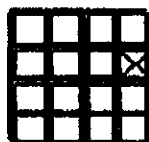
Name Eagle Springs Ranch LLCAddress 82 EAST STATE ST., SUITE CCity EAGLE State ID Zip 83616

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location

N

W	E	Twp. <u>9</u> North ☒ or South ☐
		Rge. <u>4</u> East ☒ or West ☐
		Sec. <u>34</u> 1/4 SE 1/4 NE 1/4

Gov't lot _____ County BOISELat: 44:4:379 Long: 115:57:4:98Address of Well Site ALDER CREEK RDCity GARDEN VALLEY

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

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

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	
Bentonite	0	20	550 Lbs	Dry Pour

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

8. CASING/LINER:

Diameter	From	To	Depth	Material	Casing Liner	Welded	Threaded
6"	12	300	250	Steel	☒	☐	☐
					☐	☐	☐
					☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method perforator☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
160	280	.2x1	720	6"	Steel	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN

PRESSURE:

30ft. below ground Artesian Pressure _____ lb

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

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Flowing Level	Time
100			

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 & Temp.	Y	N
10"	0	2	Top soil		
"	2	13	Sandy Brown Clay		
"	13	20	Gravel and Sand		
6"	20	37	Gravel and Sand		
"	37	41	Yellow Clay		
"	41	75	Gravel and Sand		
"	75	96	Coarse Sand and Gravel		
"	96	98	Tan Clay		
"	98	129	Coarse Sand and Gravel		
"	129	131	Blue Clay		
"	131	138	Coarse Sand		
"	138	139	Tan Clay		
"	139	171	Coarse Sand and Gravel		
"	171	178	Tan Clay		
"	178	191	Coarse Sand and Gravel		
"	191	194	Tan Clay		
"	194	196	Blue Clay		
"	196	213	Gravel and Sand		
"	213	215	Gray Clay		
"	215	225	Gravel and Sand		
"	225	227	Blue Clay		
"	227	229	Gravel		
"	229	231	Gray Clay		
"	231	233	Gravel		
"	233	234	Gray Clay		
"	234	250	Gravel		
"	250	251	Gray Clay		
"	251	278	Gravel and Sand		
"	278	300	Decomposed Granite		
Completed Depth: <u>300</u> (Measurable)					
Date: Started <u>10-7-05</u> Completed <u>10-10-05</u>					

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 COONSE WELL DRILLINGFirm No. 409

Firm Official _____

Date 10-12-05

Supervisor or Operator _____

Date 10-12-05

(Sign once if Firm Official & Operator)

Date: 10/21/2005 Time: 12:19:46 PM

Appendix D:
Pumping Test Data and Results

Office Use Only

Inspected by _____

Twp _____ Rge _____ Sec _____

Lat: : : Long: : :

(Sign once if Firm Official & Operator)

**EAGLE SPRINGS AT GARDEN VALLEY WELL #1
CONSTANT-RATE PUMPING TEST 10/17/2005**

Pumping Equipment - generator powered submersible turbine (5 HP - 70 GPM)
Water level measuring point is top of casing, approximately 1.65 feet above ground
Flow measured with 55-gallon drum and stopwatch
Water level measured with electric line well sounder

Time	Elapsed Time (minutes)	Depth to Water (feet)	Draw-down (feet)	Pumping Rate (gpm)	Remarks
		29.9		Static	Static water level
				100.00	Pump on
12:00	0				
12:02	2	43.80	13.90		
12:04	4	45.28	15.38		
12:06	6	46.30	16.40		
12:08	8	46.81	16.91		
12:10	10	47.32	17.42		
12:12	12	47.88	17.98		
12:14	14	48.14	18.24		
12:16	16	48.50	18.60		
12:18	18	48.77	18.87		
12:20	20	49.50	19.60		
12:25	25	49.70	19.80		
12:30	30	52.23	22.33		
12:35	35	50.71	20.81		
12:40	40	51.13	21.23		
12:46	46	51.54	21.64		
12:50	50	51.90	22.00		
12:55	55	52.18	22.28		
13:03	63	52.77	22.87		
13:05	65	52.75	22.85		
13:10	70	53.30	23.40		
13:15	75	53.39	23.49		
13:20	80	53.53	23.63		
13:35	95	54.13	24.23		
13:50	110	54.72	24.82		
14:05	125	55.16	25.26		
14:20	140	55.60	25.70		
14:35	155	55.97	26.07		
14:50	170	56.25	26.35		
15:05	185	56.54	26.64		
15:20	200	56.94	27.04		
15:35	215	57.14	27.24		
15:50	230	57.37	27.47		
15:05	245	57.53	27.73		
16:20	260	57.03	27.03		
16:35	275	58.50	28.60		
16:50	290	58.25	28.35		
17:05	305	58.43	28.53		
17:15	315	58.70	28.80		
17:17	317				
					16:23 EC=114.3 (EC300), =104.0 (YSI); T=11.8 (EC300), =11.0 (YSI)
					16:37 EC=114.3 (EC300), =103.8 (YSI); T=11.7 (EC300), =11.8 (YSI); pH=7.35
					16:39 EC=114.5 (EC300), =103.8 (YSI); T=11.7 (EC300), =11.9 (YSI); pH=7.37 (same sample as at 16:3
					17:08 EC=114.4 (EC300), =101.4 (YSI); T=11.7 (EC300), =11.9 (YSI); pH=7.31
					Pump off

Time	t'	t''	t'''	Depth to Water (feet)	Residual Drawdown (feet)
17:18	318	1.0	318	47.57	17.67
17:20	320	3.0	107	45.55	15.65
17:20:43	321	3.7	86	45.00	15.10
17:22:09	322	5.1	53	44.00	14.10
17:24:09	324	7.1	45	43.10	13.20
17:26:09	326	9.1	36	42.48	12.58
17:28:09	328	11.1	29	41.94	12.04
17:30:09	330	13.2	25	41.53	11.63
17:32:09	332	15.1	22	41.19	11.29
17:34:09	334	17.1	19	40.88	10.98
17:36:09	336	19.1	10	40.56	10.66
17:38:09	338	21.1	16	40.32	10.42
17:40:09	340	23.1	15	40.08	10.18
17:45:09	345	28.1	12	39.65	9.65
17:50:09	350	33.1	11	39.07	9.17
17:55:09	355	38.1	9	38.68	8.78
18:00:09	360	43.1	8	38.35	8.45
18:05:09	365	48.1	8	38.01	8.11
18:12:09	372	55.1	7	37.60	7.70
18:18:09	378	61.1	5	37.18	7.28
18:24:09	384	67.1	6	37.01	7.11
18:30:09	390	73.1	5	36.76	6.86
18:36:09	396	79.1	5	36.50	6.60
18:42:09	402	85.1	5	36.28	6.38
18:48:09	408	91.1	4	36.07	6.17
18:54:09	414	97.1	4	35.90	6.00

Document Info
SPF Job Number 391 0020
Filename: Test Well #1
File Size 74 kb
Last Edited 10/19/05
Pages 5

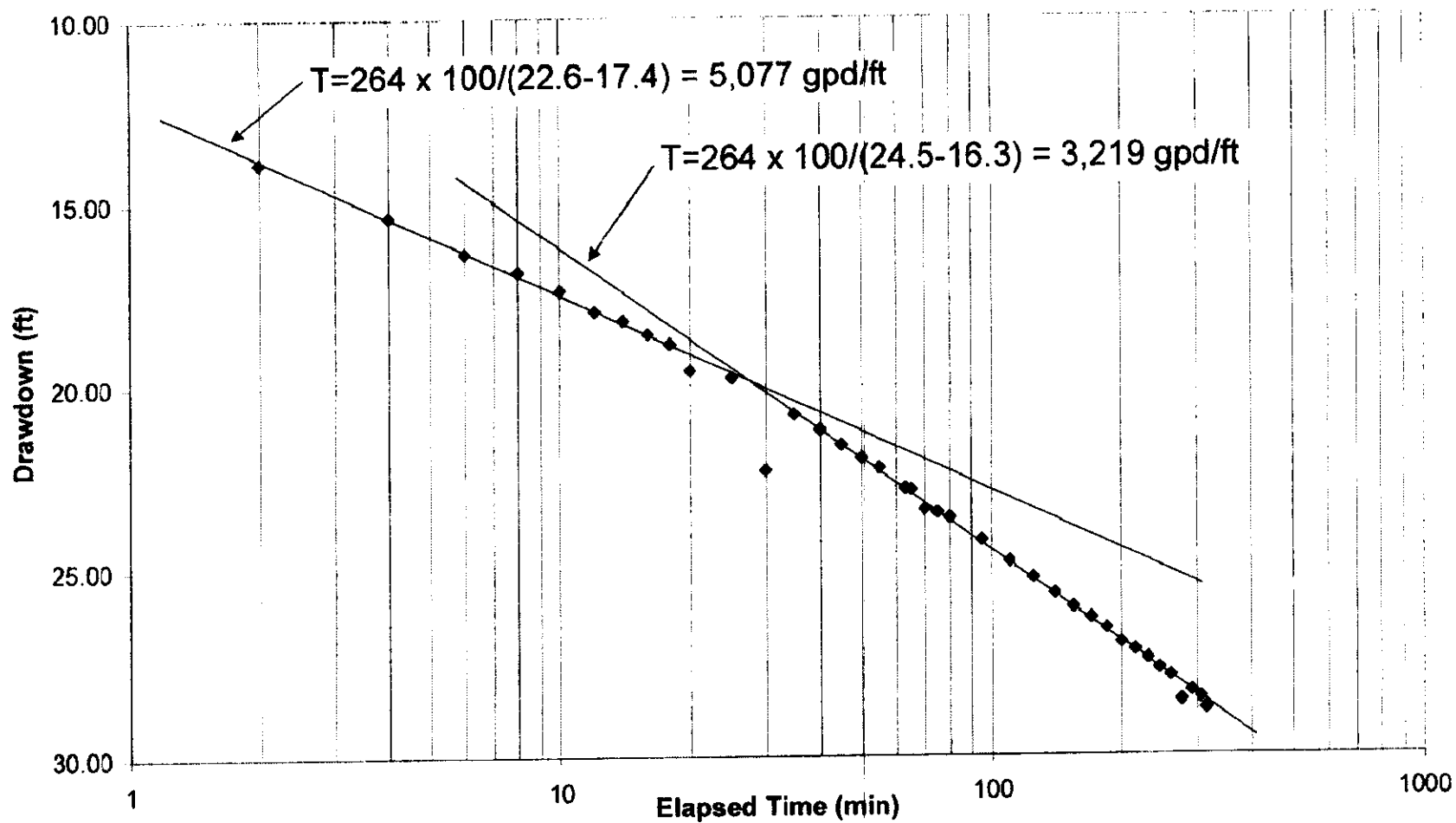
**EAGLE SPRINGS AT GARDEN VALLEY OBSERVATION WELL #2
CONSTANT-RATE PUMPING TEST 10/17/2005**

Pumping Equipment - generator powered submersible turbine (5 HP - 70 GPM)
 Water level measuring point is top of casing; approximately 1.35 feet above ground
 Flow measured with 55-gallon drum and stopwatch
 Water level measured with electric line well sounder

Time	Elapsed Time (minutes)	Depth to Water (feet)	Draw- down (feet)	Pumping Rate (gpm)	Remarks
		20.8		Static	Static water level
12:00	0	20.8		100.00	Pump on
13:00	60	20.8	0.00		
14:00	120	20.8	0.00		
15:00	180	20.8	0.00		
16:00	240	20.8	0.00		
17:00	300	20.8	0.00		
17:17	317				Pump off

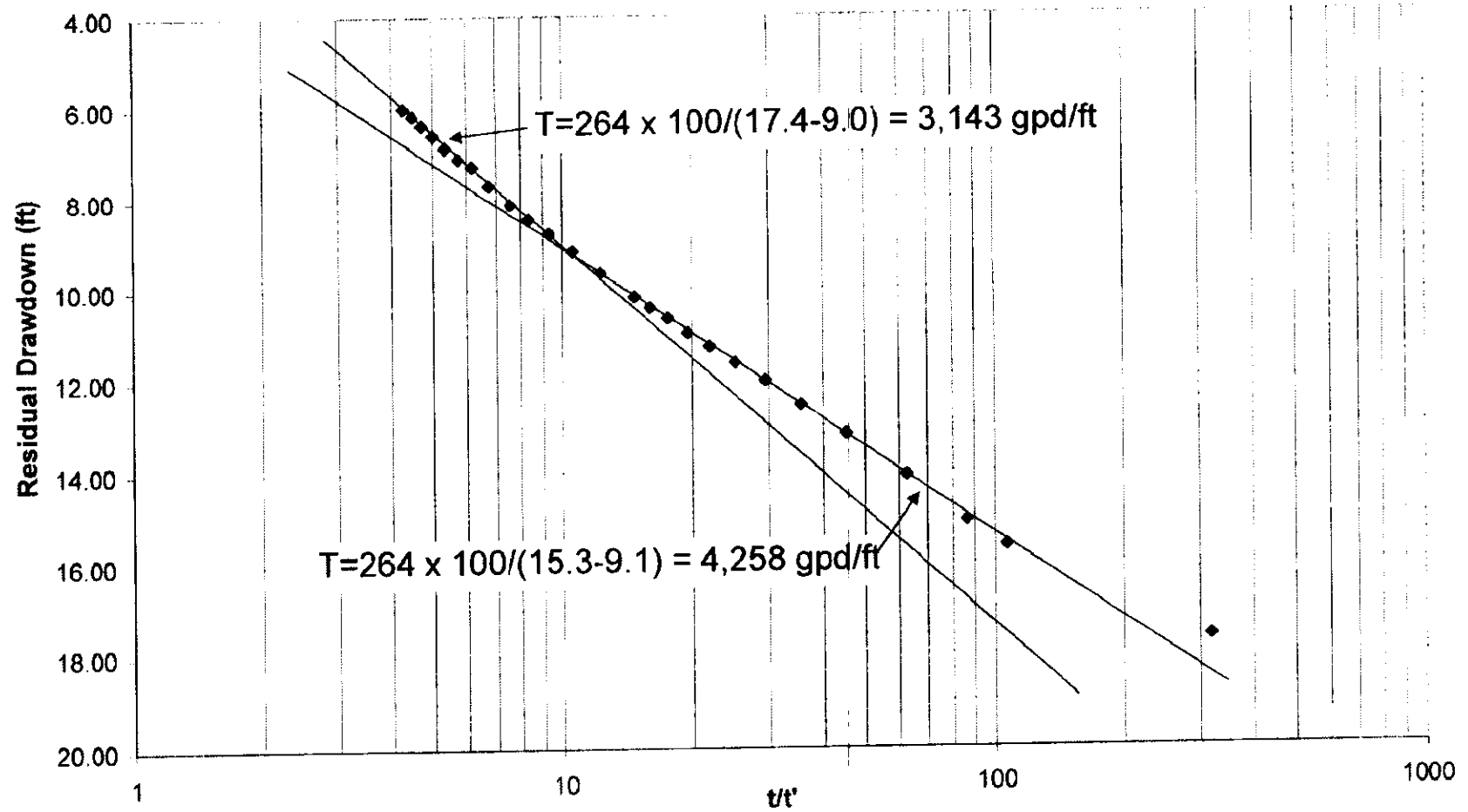
Eagle Springs at Garden Valley Well #1

Constant Rate Test 10/17/2005



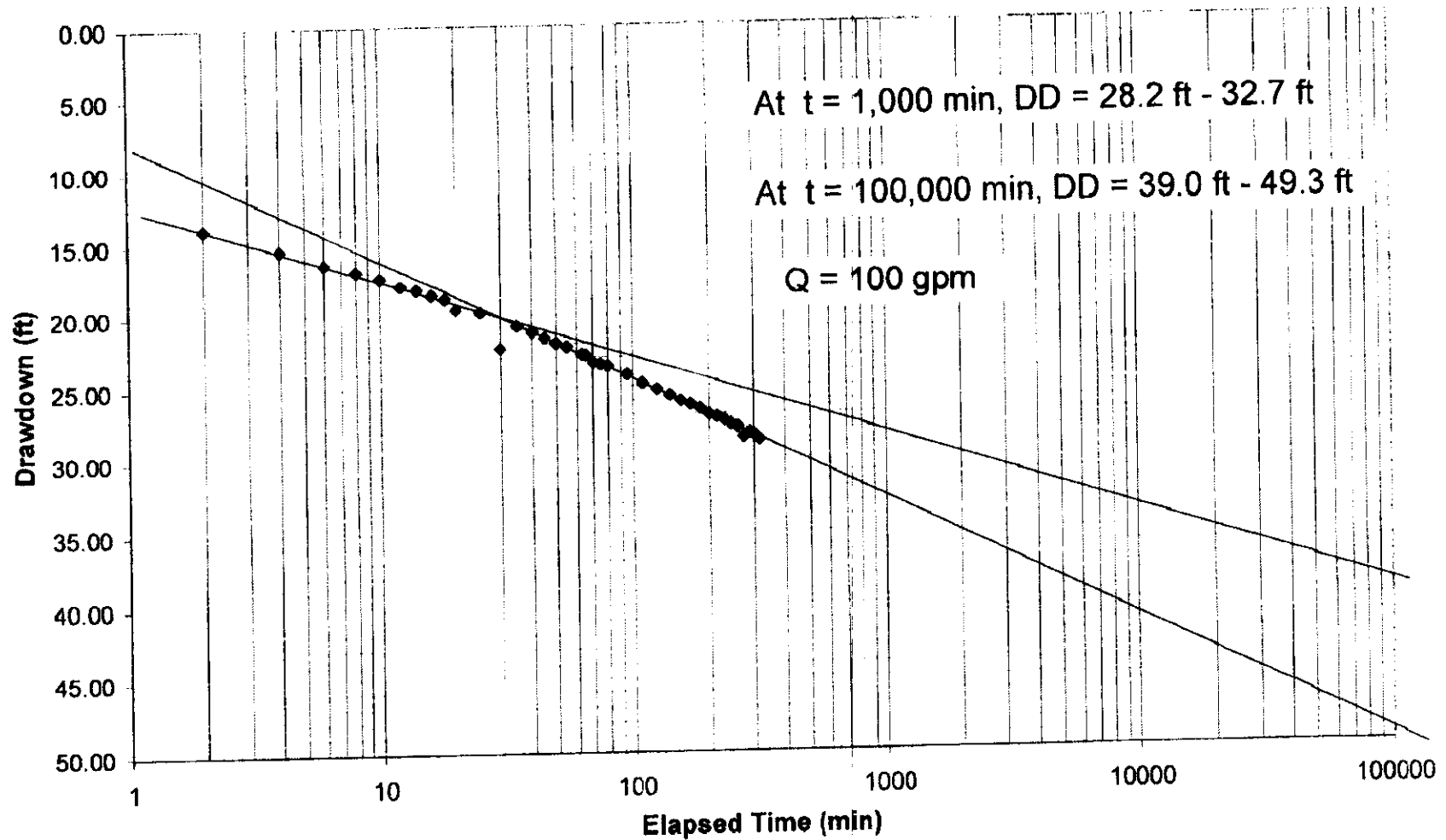
Eagle Springs at Garden Valley Well #1

Recovery Test 10/17/2005



Eagle Springs at Garden Valley Well #1

Constant Rate Test 10/17/2005



EAGLE SPRINGS AT GARDEN VALLEY WELL #2
CONSTANT-RATE PUMPING TEST 10/19/2005

Pumping Equipment - generator powered submersible turbine (5 HP - 70 GPM)
 Water level measuring point is top of casing, approximately 1.35 feet above ground
 Flow measured with 55-gallon drum and stopwatch
 Water level measured with electric line well sounder

Time	Elapsed Time (minutes)	Depth to Water (feet)	Draw-down (feet)	Pumping Rate (gpm)	Remarks
		20.8		Static 100.00	Static water level
10:30	0				Pump on
10:32	2	49.25	28.45		
10:34	4	50.10	29.30		
10:36	6	52.78	31.98		
10:38	8	56.70	35.90		
10:40	10	57.75	36.95		
10:42	12	59.20	38.40		
10:44	14	60.60	39.80		
10:46	16	60.90	40.10		
10:48	18	61.72	40.92		
10:50	20	62.45	41.65		
10:55	25	63.96	43.16		
11:00	30	65.27	44.47		
11:05	35	66.34	45.54		
11:10	40	67.23	46.43		
11:15	45	68.10	47.30		
11:20	50	68.78	47.98		
11:25	55	69.40	48.60		
11:30	60	69.98	49.18		
11:36	66	70.66	49.86		
11:40	70	71.10	50.30		
11:45	75	71.55	50.75		
11:50	80	71.96	51.16		
11:55	85	72.26	51.46		
12:10	100	75.85	55.05		
12:25	115	76.42	55.62		
12:40	130	76.83	56.03		
12:55	145	77.20	56.40		
13:10	160	77.44	56.64		
13:25	175	77.58	56.88		
13:40	190	78.00	57.20		
13:55	205	78.18	57.38		
14:10	220	78.44	57.64		
14:25	235	78.67	57.87		
14:40	250	78.90	58.10		
14:55	265	79.10	58.30		
15:10	280	79.25	58.45		
15:25	295	79.40	58.60		
15:40	310				
15:55	325				
16:10	340				
16:25	355				
16:40	370				
16:55	385				
17:10	400				
17:25	415				
17:40	430				
17:55	445				
18:10	460				
18:25	475				
18:40	490				
18:55	505				
19:10	520				
19:25	535				
19:40	550				
19:55	565				
20:10	580				
20:25	595				
20:40	610				
20:55	625				
21:10	640				
21:25	655				
21:40	670				
21:55	685				
22:10	700				
22:25	715				
22:40	730				
22:55	745				
23:10	760				
23:25	775				
23:40	790				
23:55	805				
00:10	820				
00:25	835				
00:40	850				
00:55	865				
01:10	880				
01:25	895				
01:40	910				
01:55	925				
02:10	940				
02:25	955				
02:40	970				
02:55	985				
03:10	1000				
03:25	1015				
03:40	1030				
03:55	1045				
04:10	1060				
04:25	1075				
04:40	1090				
04:55	1105				
05:10	1120				
05:25	1135				
05:40	1150				
05:55	1165				
06:10	1180				
06:25	1195				
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06:55	1225				
07:10	1240				
07:25	1255				
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07:55	1285				
08:10	1300				
08:25	1315				
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08:55	1345				
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11:10	1480				
11:25	1495				
11:40	1510				
11:55	1525				
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12:25	1555				
12:40	1570				
12:55	1585				
13:10	1600				
13:25	1615				
13:40	1630				
13:55	1645				
14:10	1660				
14:25	1675				
14:40	1690				
14:55	1705				
15:10	1720				
15:25	1735				
15:40	1750				
15:55	1765				
16:10	1780				
16:25	1795				
16:40	1810				
16:55	1825				
17:10	1840				
17:25	1855				
17:40	1870				
17:55	1885				
18:10	1900				
18:25	1915				
18:40	1930				
18:55	1945				
19:10	1960				
19:25	1975				
19:40	1990				
19:55	2005				
20:10	2020				
20:25	2035				
20:40	2050				
20:55	2065				
21:10	2080				
21:25	2095				
21:40	2110				
21:55	2125				
22:10	2140				
22:25	2155				
22:40	2170				
22:55	2185				
23:10	2200				
23:25	2215				
23:40	2230				
23:55	2245				
00:10	2260				
00:25	2275				
00:40	2290				
00:55	2305				
01:10	2320				
01:25	2335				
01:40	2350				
01:55	2365				
02:10	2380				
02:25	2395				
02:40	2410				
02:55	2425				
03:10	2440				
03:25	2455				
03:40	2470				
03:55	2485				
04:10	2500				
04:25	2515				
04:40	2530				
04:55	2545				
05:10	2560				
05:25	2575				
05:40	2590				
05:55	2605				
06:10	2620				
06:25	2635				
06:40	2650				
06:55	2665				
07:10	2680				
07:25	2695				
07:40	2710				
07:55	2725				
08:10	2740				
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08:55	2785				
09:10	2800				
09:25	2815				
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09:55	2845				
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10:25	2875				
10:40	2890				
10:55	2905				
11:10	2920				
11:25	2935				
11:40	2950				
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12:10	2980				
12:25	2995				
12:40	3010				
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18:40	3370				
18:55	3385				
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19:25	3415				
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21:25	3535				
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21:55	3565				
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22:25	3595				
22:40	3610				
22:55	3625				
23:10	3640				
23:25	3655				
23:40	3670				
23:55	3685				
00:10	3700				
00:25	3715				
00:40	3730				
00:55	3745				
01:10	3760				
01:25	3775				
01:40	3790				
01:55	3805				
02:10	3820				
02:25	3835				
02:40	3850				
02:55	3865				
03:10	3880				
03:25	3895				
03:40	3910				
03:55	3925				
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04:25	3955				
04:40	3970				
04:55	3985				
05:10	4000				
05:25	4015				

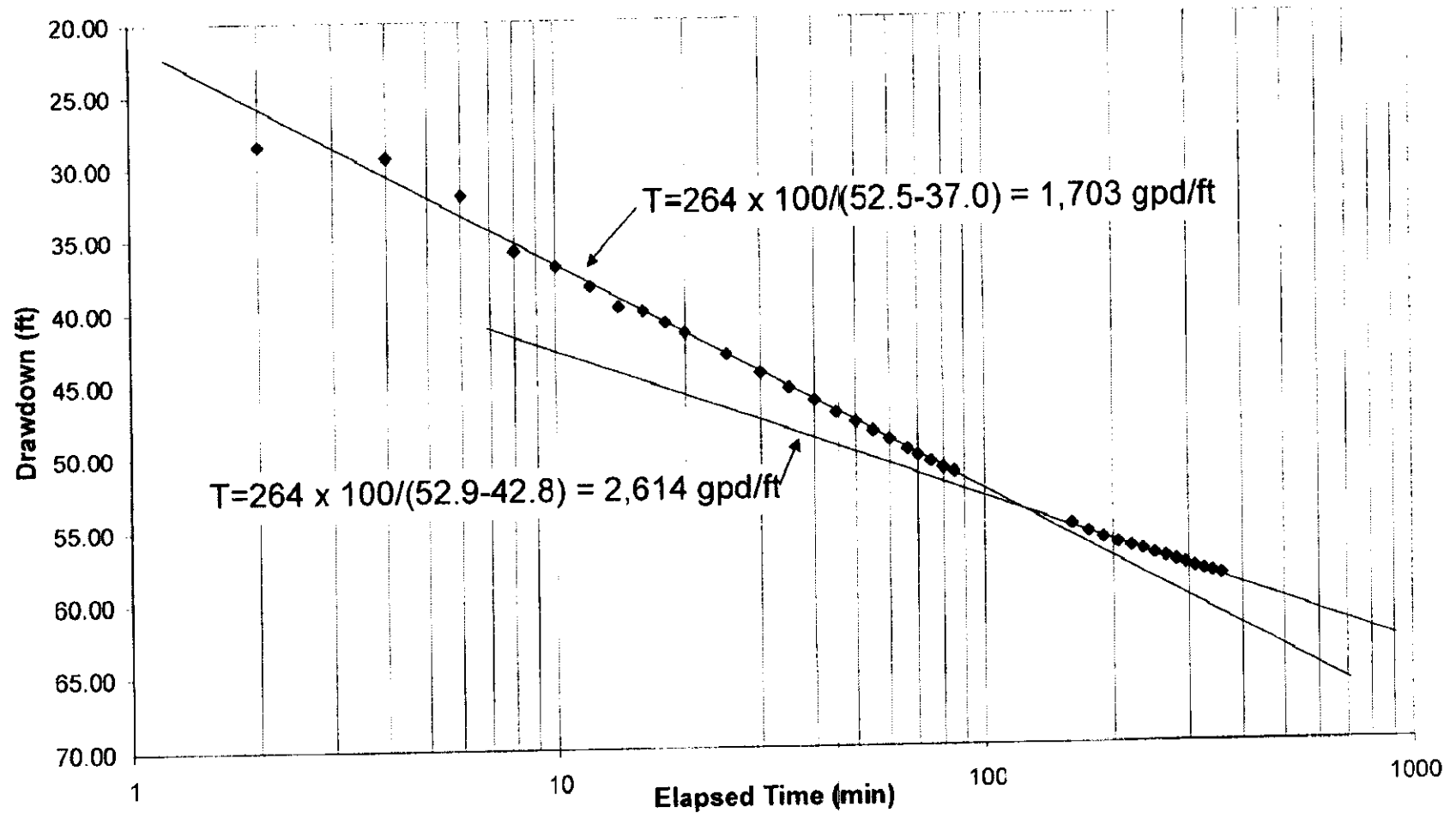
**EAGLE SPRINGS AT GARDEN VALLEY OBSERVATION WELL #1
CONSTANT-RATE PUMPING TEST 10/19/2005**

Pumping Equipment - generator powered submersible turbine (5 HP - 70 GPM)
 Water level measuring point is top of casing, approximately 1.65 feet above ground
 Flow measured with 55-gallon drum and stopwatch
 Water level measured with electric line well sounder

Time	Elapsed Time (minutes)	Depth to Water (feet)	Draw- down (feet)	Pumping Rate (gpm)	Remarks
		30.23		Static	Static water level
10:30	0	30.23		100.00	Pump on
11:30	60	30.2	-0.03		
12:30	120	30.2	-0.03		
13:30	180	30.2	-0.03		
14:30	240	30.2	-0.03		
15:30	300	30.2	-0.03		
16:27:45	358				Pump off

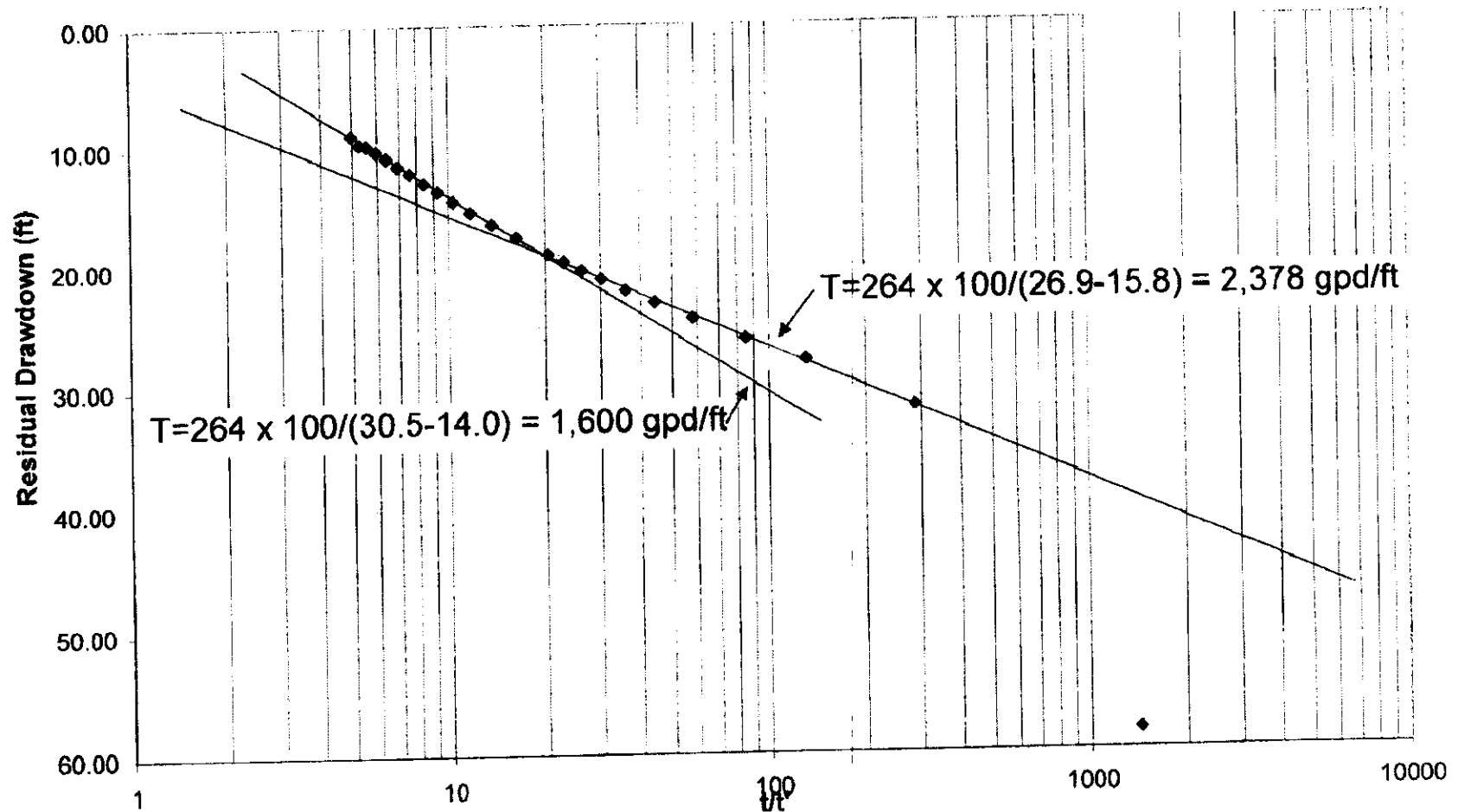
Eagle Springs at Garden Valley Well #2

Constant Rate Test 10/19/2005



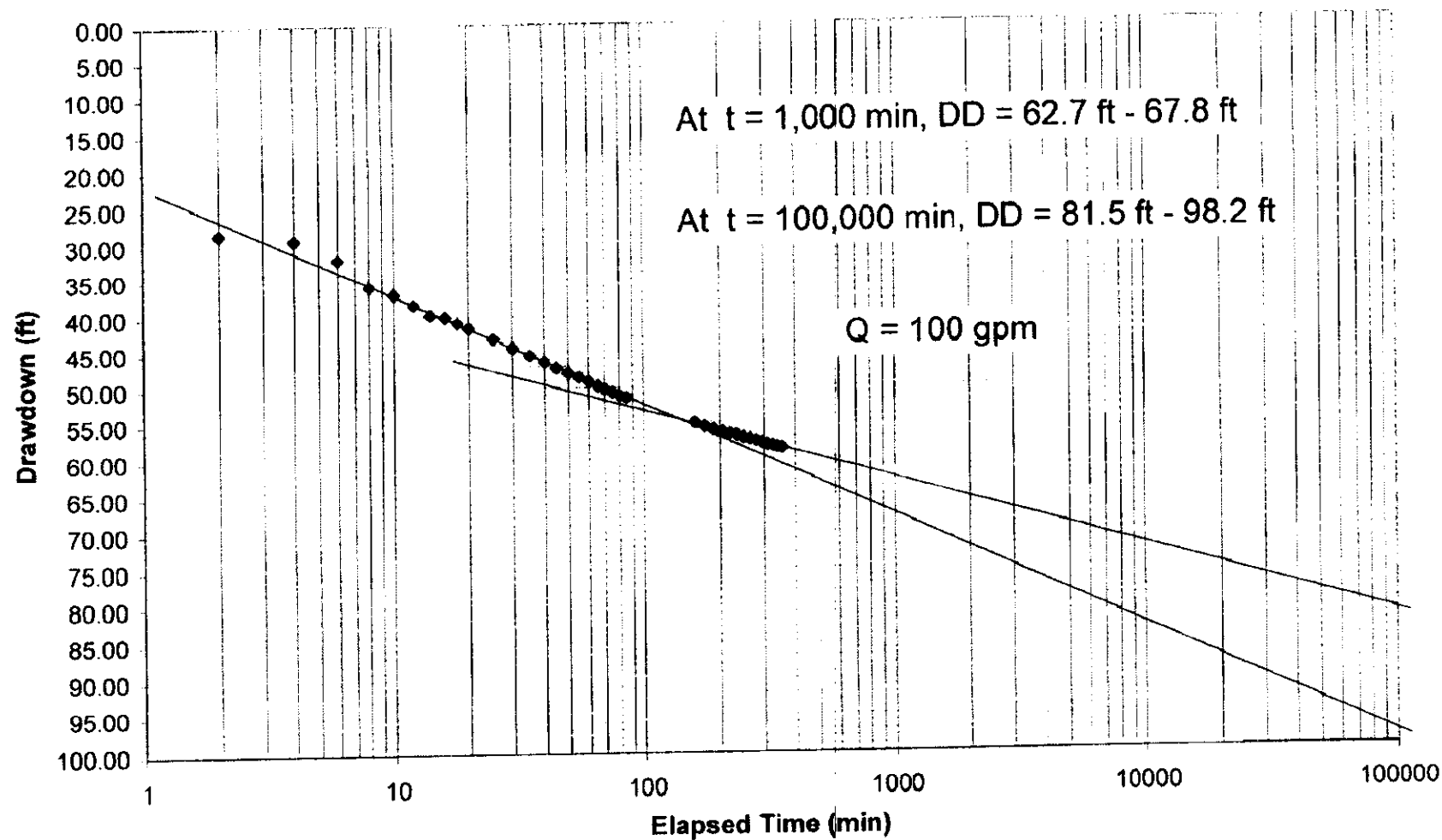
Eagle Springs at Garden Valley Well #2

Recovery Test 10/19/2005



Eagle Springs at Garden Valley Well #2

Constant Rate Test 10/19/2005



Appendix E:
Water chemistry data

[\[Close Window\]](#)You are logged in as "" [\[Logout \]](#)**Analytical Laboratories, Inc.**

1804 N 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STE 105
BOISE, ID 83706

Time of Collection: 4:52:00 PM
Date of Collection: 10/17/2005
Date Received: 10/18/2005
Report Date: 11/3/2005

Collected By:
Submitted By:

Source of Sample:

PROJECT EAGLE SPRINGS WELL #1 D0042094

PWS:

Laboratory Analysis Report

Sample Number: 0531692

Test Requested	MCL	Result	Units	MDL	Method	Completed	Analyst
Aluminum, Al	UR	0.20	mg/L	0.10	EPA 200.7	10/21/2005	KC
Arsenic Furnace	0.05	<0.005	mg/L	0.005	EPA 200.8	10/19/2005	JH
Calcium Hardness	UR	29.0	mg/L	0.25	EPA 200.7	10/21/2005	KC
Calcium, Ca	UR	11.6	mg/L	0.10	EPA 200.7	10/21/2005	KC
Iron, Fe	UR	0.17	mg/L	0.05	EPA 200.7	10/20/2005	KC
Magnesium, Mg	UR	2.69	mg/L	0.10	EPA 200.7	10/21/2005	KC
Manganese, Mn	UR	<0.05	mg/L	0.05	EPA 200.7	10/20/2005	KC
Potassium, K	UR	0.7	mg/L	0.5	EPA 200.7	10/21/2005	KC
Rush Analysis		*				10/18/2005	NLR
Silica	UR	38.7	mg/L	0.25	EPA 200.7	10/25/2005	KC
Sodium, Na	UR	21.3	mg/L	0.10	EPA 200.7	10/21/2005	KC
Zinc, Zn	UR	0.006	mg/L	0.005	EPA 200.7	10/21/2005	KC
Corrosivity		-2.0			Langelier	11/2/2005	WW
Moderately aggressive							
Temperature		11.8	C		Thermometer	10/17/2005	WW
Nitrate (as N)	10	0.4	mg/L		EPA 300.0	10/18/2005	WW
Ammonia Direct (as N)	UR	<0.04	mg/L	0.04	EPA 350.1	10/22/2005	BF
Alkalinity		79	mg/L		EPA 310.1	10/21/2005	BF
Bicarbonate		79	mg/L		SM 2320	10/21/2005	BF
Chloride, Cl	UR	<1	mg/L		EPA 300.0	10/19/2005	WW
Conductivity	UR	157	umhos		SM 2510B	10/18/2005	CC
Fluoride, F	4.0	0.74	mg/L		EPA 300.0	10/19/2005	WW
Hardness	UR	37	mg/L		SM 2340	10/20/2005	BF
pH		6.8	S.U.		EPA 150.1	10/18/2005	CC
Rush Analysis		*				10/18/2005	NLR
Sulfate, SO4	UR	3	mg/L		EPA 300.0	10/19/2005	WW
Total Dissolved Solids		94	mg/L	25	160.1	10/20/2005	DLR

PRELIMINARY

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions concerning this report,

please contact: **Michael Moore**



Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Laboratory Analysis Report

Sample Number: 0531693

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STE 105
BOISE, ID 83706

Collected By:

Submitted By:

Source of Sample:

PROJECT: EAGLE SPRINGS WELL #1 D0042094 (AS
DISSOLVED)

Time of Collection: 16:59
Date of Collection: 10/17/2005
Date Received: 10/18/2005
Report Date: 10/20/2005

PWS#:

PWS Name:

CLIENT FILTERED SAMPLE IN THE FIELD FOR DISSOLVED METALS ANALYSIS.

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Iron, Fe		0.14	mg/L	0.05	EPA 200.7	10/20/2005	KC
Manganese, Mn		<0.05	mg/L	0.05	EPA 200.7	10/20/2005	KC

Thank you for choosing Analytical Laboratories for your testing needs.
If you have any questions about this report, or any future
analytical needs, please contact Michael Moore

MCL = Maximum Contamination Level
MDL = Method/Minimum Detection Limit
UR = Unregulated

Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Laboratory Analysis Report

Sample Number: 0531694

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STF 105
BOISE, ID 83706

Collected By:

Submitted By:

Source of Sample:

PROJECT: EAGLE SPRINGS WELL #1 D0042094

Time of Collection: 16:50
Date of Collection: 10/17/2005
Date Received: 10/18/2005
Report Date: 11/16/2005

PWS#:

PWS Name:

ELI-TESTING PERFORMED AT ENERGY LABORATORIES, INC. RESULTS RECEIVED 11/15/05.
ND=NONE DETECTED

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Gross Alpha		ND	pCi/L	3	EPA 900.0	10/27/2005	ELJ

MCL = Maximum Contamination Level
MDL = Method/Minimum Detection Limit
UR = Unregulated

Michael Moore 11/16/2005

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions about this report, or any future analytical needs, please contact: **Michael Moore**

[\[Close Window\]](#)You are logged in as "" [\[Logout \]](#)**Analytical Laboratories, Inc.**

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STE 105
BOISE, ID 83706

Collected By:
Submitted By:

Source of Sample:

PROJECT: EAGLE SPRINGS WELL #2 D0042095

Time of Collection: 3:35:00 PM
Date of Collection: 10/19/2005
Date Received: 10/20/2005
Report Date: 11/2/2005

PWS:

Laboratory Analysis Report

Sample Number: 0532028

FIELD DATA: TEMP= 11.9 C DEG

Test Requested	MCL	Result	Units	MDL	Method	Completed	Analyst
Aluminum, Al	UR	0.20	mg/L	0.10	EPA 200.7	10/21/2005	KC
Arsenic Furnace	0.05	<0.005	mg/L	0.005	EPA 200.8	10/26/2005	JH
Calcium, Ca	UR	13.7	mg/L	0.10	EPA 200.7	10/25/2005	KC
Iron, Fe	UR	0.06	mg/L	0.05	EPA 200.7	10/21/2005	KC
Magnesium, Mg	UR	3.55	mg/L	0.10	EPA 200.7	10/25/2005	KC
Manganese, Mn	UR	<0.05	mg/L	0.05	EPA 200.7	10/21/2005	KC
Potassium, K	UR	0.7	mg/L	0.5	EPA 200.7	10/25/2005	KC
Silica	UR	39.9	mg/L	0.25	EPA 200.7	10/25/2005	KC
Sodium, Na	UR	11.2	mg/L	0.10	EPA 200.7	10/25/2005	KC
Zinc, Zn	UR	<0.005	mg/L	0.005	EPA 200.7	10/21/2005	KC
Corrosivity	UR	-2.0			Langelier	11/2/2005	WW
Moderately aggressive.							
Nitrate (as N)	10	0.3	mg/L		EPA 300.0	10/21/2005	BF
Ammonia Direct (as N)	UR	<0.04	mg/L	0.04	EPA 350.1	10/22/2005	BF
Alkalinity	UR	59	mg/L CaCO3		SM 2320B	10/27/2005	BF
Bicarbonate		59	mg/L		SM 2320	10/27/2005	BF
Chloride, Cl	118	<1	mg/L		EPA 300.0	10/25/2005	WW
Conductivity	UR	116	umhos	2	SM 2510B	10/20/2005	CC
Fluoride, F	4.0	0.20	mg/L		EPA 300.0	10/26/2005	WW
Hardness	UR	42.5	mg/L		SM 2340	10/26/2005	BF
pH	UR	6.7	S.U.		EPA 150.1	10/20/2005	CC
Sulfate, SO4	UR	1	mg/L		EPA 300.0	10/25/2005	WW
Total Dissolved Solids	UR	124	mg/L	25	EPA 160.1	10/24/2005	DLR

PRELIMINARY

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions concerning this report,

please contact: **Michael Moore**



Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Laboratory Analysis Report

Sample Number: 0532029

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STE 105
BOISE, ID 83706

Collected By:

Submitted By:

Source of Sample:

PROJECT: EAGLE SPRINGS WELL #2 D0042095 (AS
DISSOLVED)

Time of Collection: 15:35
Date of Collection: 10/19/2005
Date Received: 10/20/2005
Report Date: 10/24/2005

PWS#:

PWS Name:

SAMPLE WAS FILTERED IN THE FIELD.

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Iron, Fe		0.06	mg/L	0.05	EPA 200.7	10/21/2005	KC
Manganese, Mn		<0.05	mg/L	0.05	EPA 200.7	10/21/2005	KC

Michael Moore 10/24/05

Thank you for choosing Analytical Laboratories for your testing needs

If you have any questions about this report, or any future
analytical needs, please contact: Michael Moore

MCL - Maximum Contamination Level
MDL - Method/Minimum Detection Limit
UR - Unregulated

Appendix F:
Theis Analysis

Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Laboratory Analysis Report

Sample Number: 0532030

Attn: SCOTT KING
S P F WATER ENGINEERING, LLC
600 E RIVER PARK LN STE 105
BOISE, ID 83706

Collected By:

Submitted By:

Source of Sample:

PROJECT: EAGLE SPRINGS WELL #2 D0042095

Time of Collection: 15:35
Date of Collection: 10/19/2005
Date Received: 10/20/2005
Report Date: 11/16/2005

PWS#:

PWS Name:

ELI-TESTING PERFORMED AT ENERGY LABORATORIES, INC. RESULTS RECEIVED 11/15/05.
ND=NONE DETECTED

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Gross Alpha		ND	pCVL	3	EPA 900.0	10/27/2005	ELI

MCL = Maximum Contamination Level
MDL = Method/Minimum Detection Limit
UR = Unregulated

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions about this report, or any future analytical needs, please contact: Michael Moore

Michael Moore 11/16/2005

Project: Southfork Landing

Date: 7/9/2004

Purpose: Estimate drawdown at 1/2 mile from proposed diversion increase

Theis Solution for radial flow to a well in a confined system

$$s = \frac{Q}{4\pi T} W(u) \quad W(u) = \int_u^\infty \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4 T t}$$

Use lookup table for W(u) (e.g., p 93 Aquifer Testing - Istock)

Equation	
K =	2 (ft/day)
b =	200 ft
Q =	14438.25 cu ft/day
r =	2640 feet
S =	0.0005
t =	90 days
T =	400
u =	0.0242
W(u) =	3.35
s =	9.62 feet

Explanation:

 Input value
 Calculated value

Appendix G:
Preliminary Plat

Lester, Steve

From: Lester, Steve
Sent: Wednesday, November 29, 2006 9:40 AM
To: 'Scott King'
Subject: RE: 65-23089 Eagle Springs Ranch

Scott:

A copy of the letter is attached. The deadline for responding is extended until 2/28/07 via this email.

Steve

-----Original Message-----

From: Scott King [mailto:SKing@spfwater.com]
Sent: Wednesday, November 29, 2006 8:01 AM
To: Lester, Steve
Subject: 65-23089 Eagle Springs Ranch

Steve,

I seem to have misplaced your letter requesting additional information on the above permit application. I'm also guessing the information is due about right now. Can I get another copy of the letter and a 30-day extension on submitting the information?

Thanks,
Scott

Scott N. King, P.E.
SPF Water Engineering, LLC
600 East River Park Lane, Suite 105
Boise, Idaho 83706
phone: 208-383-4140 x209
fax: 208-383-4156
email: sking@spfwater.com
web page: www.spfwater.com

11/29/2006

The Idaho World

P.O. Box 99
Garden Valley, ID 83622
(208) 462-3507

State of Idaho)
County of Boise)

OK SL

Deanna Stevenson, being duly sworn, deposes and says: that she is the Editor of THE IDAHO WORLD, a weekly newspaper published at Idaho City, in the County of Boise and the State of Idaho; the said paper has been and is in general circulation in the county aforesaid, and in the vicinity of Idaho City; that the advertisement, a copy of which is hereto attached, was published in said newspaper once a week for two (2) consecutive weeks in the entire and regular issue of every number of said paper during the period and time of publication and was published in the newspaper and not a supplement; that said paper has been established and regularly and continuously published for more than seventy eight weeks past previous to the first publication of this notice. Such notice was published with the issue beginning with Oct 18, 2006 and ending with the issue of Oct 25, 2006.

Deanna Stevenson

State of Idaho)
County of Boise)

On this 3 day of Nov in the year 2006, before me, a notary public, personally appeared Deanna Stevenson known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Tami Weber

Notary Public for Idaho
Residing at Garden Valley, Idaho

MY COMMISSION EXPIRES
February 10, 2011
BONDED THRU NOTARY PUBLIC UNDERWRITERS

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

65-23089

EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702

Point(s) of Diversion	SESW S27 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	
Point(s) of Diversion	NENE S34 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	
Point(s) of Diversion	SENE S34 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	
Point(s) of Diversion	NENW S34 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	
Point(s) of Diversion	NESW S35 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	
Point(s) of Diversion	NWSE S35 T09N	R04E
BOISE County	Source GROUND WATER	
Tributary To	SOUTH FORK PAYETTE RIVER	

Use: MUNICIPAL 01/01 To 12/31 2 CFS
Total Diversion: 2 CFS

Date Filed: 02/16/2006

Remark: Municipal use is for applicants service area for Southfork Landing Subdivision in Garden Valley. Six wells are proposed for approximately 670 homes and associated uses. Wells are proposed for 50 to 300 ft. water bearing zone and are therefore presumed to be at least partly tributary to the river. Existing surface water irrigation rights will continue to be used. The development will be in portions of T9N, R4E, Sections 27, 28, 34 and 35 south of the South Fork Payette River.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 11/06/2006. The protestant must also send a copy of the protest to the applicant.

KARL J DREHER, Director

Published in the Idaho World October 18 and 25, 2006

TAMI WEBER
Notary Public
State of Idaho

Rec'd 11/16/06

65-23089

IDAHO DEPARTMENT OF WATER RESOURCES RECOMMENDATION OF WATERMASTER

Application No: 65-2389Applicant's Name: Eagle Springs Ranch, LLC.

RECEIVED

OCT 30 2006

WATER RESOURCES
WESTERN REGION

Watermaster's Recommendation:

- a) ☐ I do not oppose approval of this application.
- b) ☒ I do not oppose approval of this application if conditioned as follows:

☒ No water shall be diverted under this right after June 15* of each year without prior approval of the watermaster. New rights are curtailed each year based on the water supply (seniority system). Use of a new right can continue during water shortages if the new right is mitigated with a lease of storage water from the Watermaster.

Other conditions: Shallow wells drawing from above the first con-
fining layer of the aquifer are considered tributary to the Payette River and should
be subject to control of Water District No. 65. This will include annual rental
pool lease arrangements, plus subject to annual district assessments and fees.

- c) ☐ I oppose approval of this application for the following reasons:

d) ☒ Additional comments: The application indicates that part if not all of
wells that supply this municipal water may fall under control of the water district.
Well drilling logs should be examined to make the determination.

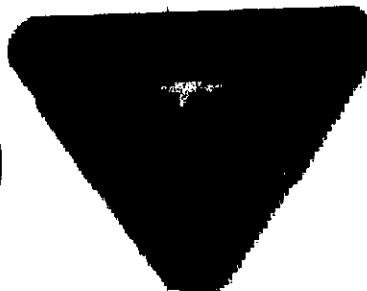
Dated this 26th day of October, 2006

Water District No: 65



Watermaster's signature

* Watermaster provided copy of this recommendation to the applicant regarding 6/15 curtailments.



Lin Pierron-Buck
Water Rights Assistant (ID933B)
Department of the Interior
Bureau of Land Management
Idaho State Office
1387 South Vinnell Way
Boise, Idaho 83709

Phone: (208) 373-4097 Fax: (208) 373-3839 Email: Lin_Buck@blm.gov

FAX

October 25, 2006

To: Sue Taylor - IDWR - Western Regional Office - Fax # (208) 334-2348
cc: Mike Truden - BLM - Four Rivers FO - Fax # (208) 384-3493

From: Lin Buck - BLM - Idaho State Office - Fax # (208) 373-3839

Re: Application for Permit No. 65-23089, for Eagle Springs Ranch LLC

Good Afternoon Sue:

Our office reviewed the above water right application for permit from the IDWR New Water Rights filing report dated October 16, 2006.

Our MTP (copy attached) shows the PODs as described below may be missing lot numbers:

PODs:	T09N	R04E	S27	SESW	
	T09N	R04E	S34	NENE	SENE
	T09N	R04E	S35	NESW	NWSE

This is a "municipal" right and has no POUs listed. The POUs may be missing lot #s too if located in any of the above-mentioned POD descriptions.

BLM is providing this for your information. Thank you. Have a nice day!

Pages: 4 (includes cover sheet)

External/Internal Record: Accessible by BLM staff. Available to the public, can be obtained through FOIA process.

CAN use this to resolve govt. lot questions
Noted in file

-JL

IDAHO DEPARTMENT OF WATER RESOURCES
NEW WATER RIGHT FILINGS

DATE: 10/16/06

Application for Permit No. 65-23089

Name: EAGLE SPRINGS RANCH LLC

Diversion Pt	SESW	Sec 27	T 09N R 04E	BOISE County	Source	GROUND WATER
Diversion Pt	NENE	Sec 34	T 09N R 04E	BOISE County	Source	GROUND WATER
Diversion Pt	SENE	Sec 34	T 09N R 04E	BOISE County	Source	GROUND WATER
Diversion Pt	NENW	Sec 34	T 09N R 04E	BOISE County	Source	GROUND WATER
Diversion Pt	NESW	Sec 35	T 09N R 04E	BOISE County	Source	GROUND WATER
Diversion Pt	NWSE	Sec 35	T 09N R 04E	BOISE County	Source	GROUND WATER
Use:	MUNICIPAL		01/01 To 12/31	2 CFS		

Total Diversion: 2 CFS

Date Filed: 02/16/2006

Place Of Use: MUNICIPAL

Remarks: Municipal use is for applicants service area for Southfork Landing Subdivision in Garden Valley. Six wells are proposed for approximately 670 homes and associated uses. Wells are proposed for 50 to 300 ft. water bearing zone and are therefore presumed to be at least partly tributary to the river. Existing surface water irrigation rights will continue to be used. The development will be in portions of T9N, R4E, Sections 27, 28, 34 and 35 south of the South Fork Payette River.

TOWNSHIP 9 NORTH RANGE 4 EAST OF THE BOISE MERIDIAN, IDAHO

BOISE COUNTY DISTRICT

100-10151-56

STATUS OF PUBLIC DOMAIN
LAND AND MINERAL TITLES

MT PLAT

[illegible]

620 P. 4/24/1922 Open. In early May bc sec 24 (25)
 For 5 hrs K1 bc 016/1913
 See 20: 01A, 3, 4, 5, 5454/

640 0 11/26/1927 Open to Entry Subd 10 Sec 34 fm
For 5 Reg 207 entry 94 59 3/16/1927

Doc ID: L0053.0, 00121

6/24/81 08:41 235 15000 0113 14 500 1135 000 12 00 00

Swire Pacific Group Inc. 1100

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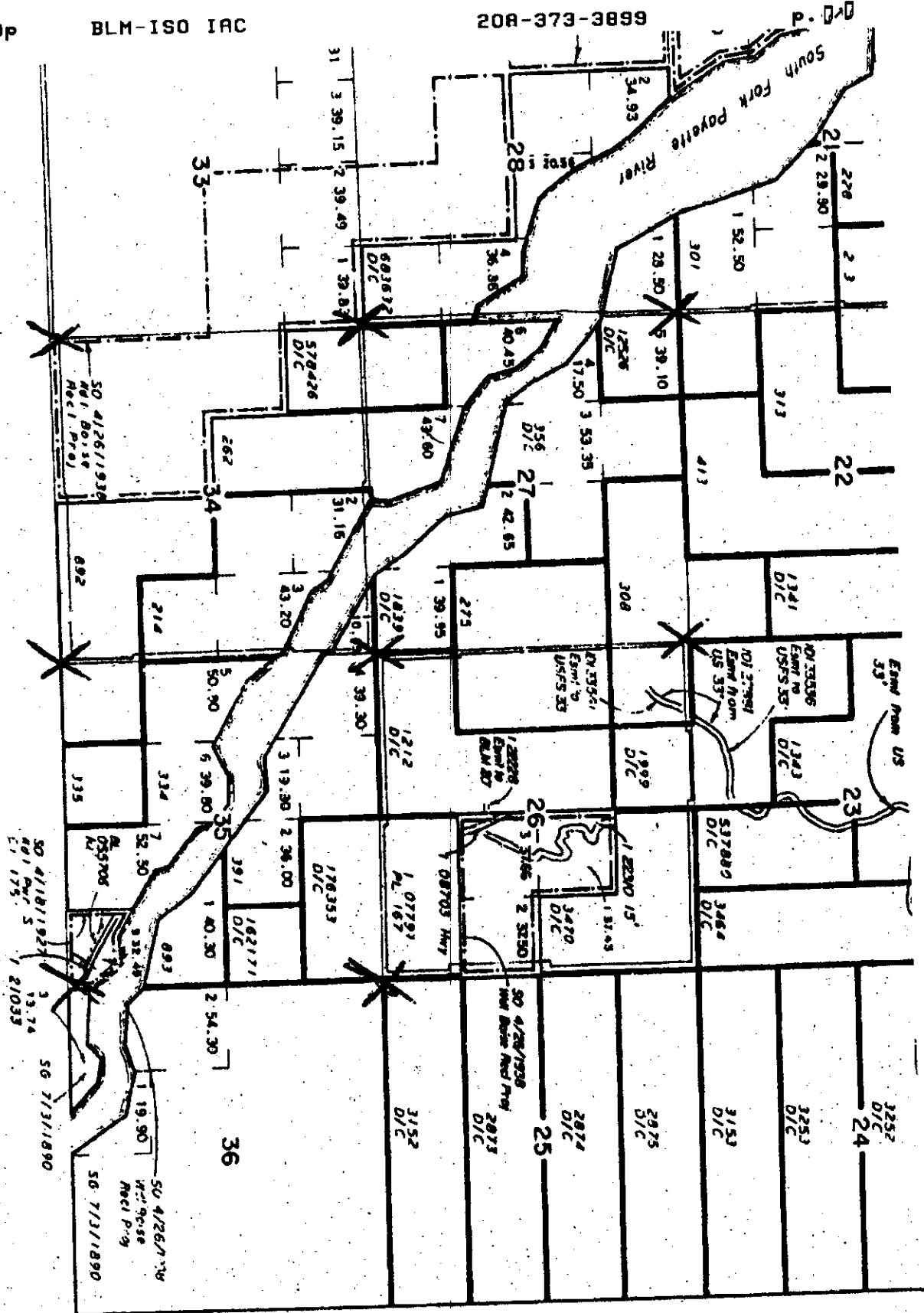
ENCLOSURE
NY-10-3440

FOR BURGERS NOT EATING, FROM THE
UNOWNED LANDS REFER TO INDEX OF
PROCELANOUS DOCUMENTS

CONTACT TO	DATE OF TO
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ONE PLAT.	
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WARNING STATEMENT
This plat is the Bureau's Record of Title, and should be used only as a graphic display of the township survey data. Records herein do not reflect title changes which may have been effected by lateral measurements.

Lat 44°04'16" N
Long 115°55' 4

Town
R04E
S27
S34
S35

FOR OR
UNDEI
MISCEL
USE Pt



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

October 17, 2006

JAMES E. RISCH
Governor

KARL J. DREHER
Director

EAGLE SPRINGS RANCH LLC
C/O SCOTT KING P E
SPF WATER ENGINEERING LLC
600 E RIVER PARK LN STE 105
BOISE ID 83706

Re: Application for Permit No. 65-23089

Dear Scott:

The above referenced application is being advertised in the last half of this month with a November 6 protest deadline.

Additional information is needed for the Idaho Department of Water Resources (IDWR) to evaluate the proposal. Please respond to the following items.

1. Water Supply – information to show that adequate ground water is available for sustainable development and use.
2. Injury – information to show that the proposed use will not injure senior ground water right holders. Include a map showing locations of existing wells within a one-half mile radius from any of the proposed points of diversion in the application. Existing wells owned by the applicant can be excluded from the map.
3. Tributary Issues – information to show that the proposed source is not tributary to the Payette River system. The application proposes a water-bearing zone from 50 to 300 feet. IDWR assumes that at least shallow ground water above the first confining layer is tributary to the river. New uses of tributary sources in the Payette River Basin must comply with the Payette River Water District mitigation requirements.
4. Rental Pool Issues – assuming a tributary connection, information to show that adequate rental pool water is available to cover the proposed use after June 15 of each year. Alternately, please provide information for any other long-term mitigation plans if applicable.
5. Local Public Interest – information to show the application proposes a use consistent with the local public interest defined in Section 42-203A(5), *Idaho Code*.

Application for Permit No. 65-23089
October 17, 2006
Page 2

* Please submit the requested information to allow final evaluation of the application to be completed. You may seek additional time to provide the information by making a written request to interrupt processing for up to six months. Your response including the requested information, or a request for more time to seek the information, must be received within the next ninety (90) days. The application will be voided without a timely written reply.

Please contact me at 208-334-2190 if you need more information. Thank you for your attention to these matters.

Sincerely,



Steve Lester
Water Rights Supervisor

* Response due 2/28/07 per 11/29/06
Email to consultant



Lester, Steve

From: Lester, Steve
Sent: Tuesday, October 17, 2006 8:59 AM
To: 'waterdist65@srvinet.com'
Subject: Water Right Application Comment Letter

Ron:

Application No. 65-23089 for Eagle Springs Ranch in Garden Valley is being processed. The application proposes a ground water system on the south side of the South Fork Payette River. As you can see, wells are proposed to divert water from the 50 to 300 feet level. IDWR assumes any shallow ground water above the first confining layer in the aquifer is tributary to the river. If that is the case, then at least some of the proposed use would need to be mitigated regarding your water district.

That is why this comment letter is being sent to you.

Please provide your Watermaster recommendations by November 6, 2006.

Please contact me at your convenience if you need additional information. Thank you for your help.

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel 208.334.2190
fax 208.334.2348
steve.lester@idwr.idaho.gov



65-23089.pdf

Lester, Steve

From: Lester, Steve
Sent: Tuesday, October 17, 2006 8:51 AM
To: 'charles.ariss@deq.idaho.gov'
Subject: Water Right Application Comment Letter

CHARLES ARISS
ID DEPT ENVIRONMENTAL QUALITY
1445 N ORCHARD
BOISE ID 83706-2239

Re: Application No. 65-23089, Eagle Springs Ranch, Garden Valley

Dear Mr. Ariss:

Attached are copies of one or more applications that may be of interest to you and/or to a local District Health office should you choose to delegate review of the application(s) to that organization. Please contact the applicant(s) if your agency and/or District Health have concerns about the application(s). It is not necessary to provide agency comments to the Idaho Department of Water Resources (IDWR), although your comments are welcome if you think IDWR would benefit from them.

If your agency and/or a local District Health office desires to file a formal protest against approval of the application(s), a written protest along with the \$25.00 protest fee for each application protested must be received in this office by November 6, 2006.

Please contact this office at 334-2190 if you have any questions regarding the application(s).

Sincerely,

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel 208.334.2190
fax 208.334.2348
steve.lester@idwr.idaho.gov



65-23089.pdf

Lester, Steve

From: Lester, Steve
Sent: Wednesday, October 11, 2006 8:53 AM
To: 'editor@idahoworld.com'
Subject: Legal Ad

Deanna:

Please confirm this is ok to run 10/18 & 10/25. Thanks!

October 10, 2006

Legal Notice Department
IDAHO WORLD
PO BOX 99
GARDEN VALLEY ID 83622

RE: Application for Permit No. 65-23089

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find a legal notice which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 11/06/2006. Your cooperation is appreciated.

Sincerely

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel 208.334.2190
fax 208.334.2348
steve.lester@idwr.idaho.gov



65-23089
ad.RTF

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

65-23089

EAGLE SPRINGS RANCH LLC
519 W FRONT ST
BOISE ID 83702

Point(s) of Diversion	SESW	S27	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Point(s) of Diversion	NENE	S34	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Point(s) of Diversion	SENE	S34	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Point(s) of Diversion	NENW	S34	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Point(s) of Diversion	NESW	S35	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Point(s) of Diversion	NWSE	S35	T09N R04E	BOISE County	Source GROUND WATER
Tributary To SOUTH FORK PAYETTE RIVER					
Use:	MUNICIPAL	01/01 To 12/31 2 CFS			
Total Diversion:		2 CFS			

Date Filed: 02/16/2006

Remark: Municipal use is for applicants service area for Southfork Landing Subdivision in Garden Valley. Six wells are proposed for approximately 670 homes and associated uses. Wells are proposed for 50 to 300 ft. water bearing zone and are therefore presumed to be at least partly tributary to the river. Existing surface water irrigation rights will continue to be used. The development will be in portions of T9N, R4E, Sections 27, 28, 34 and 35 south of the South Fork Payette River.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 11/06/2006. The protestant must also send a copy of the protest to the applicant.

KARL J DREHER, Director

Published 10/18 and 10/25/2006

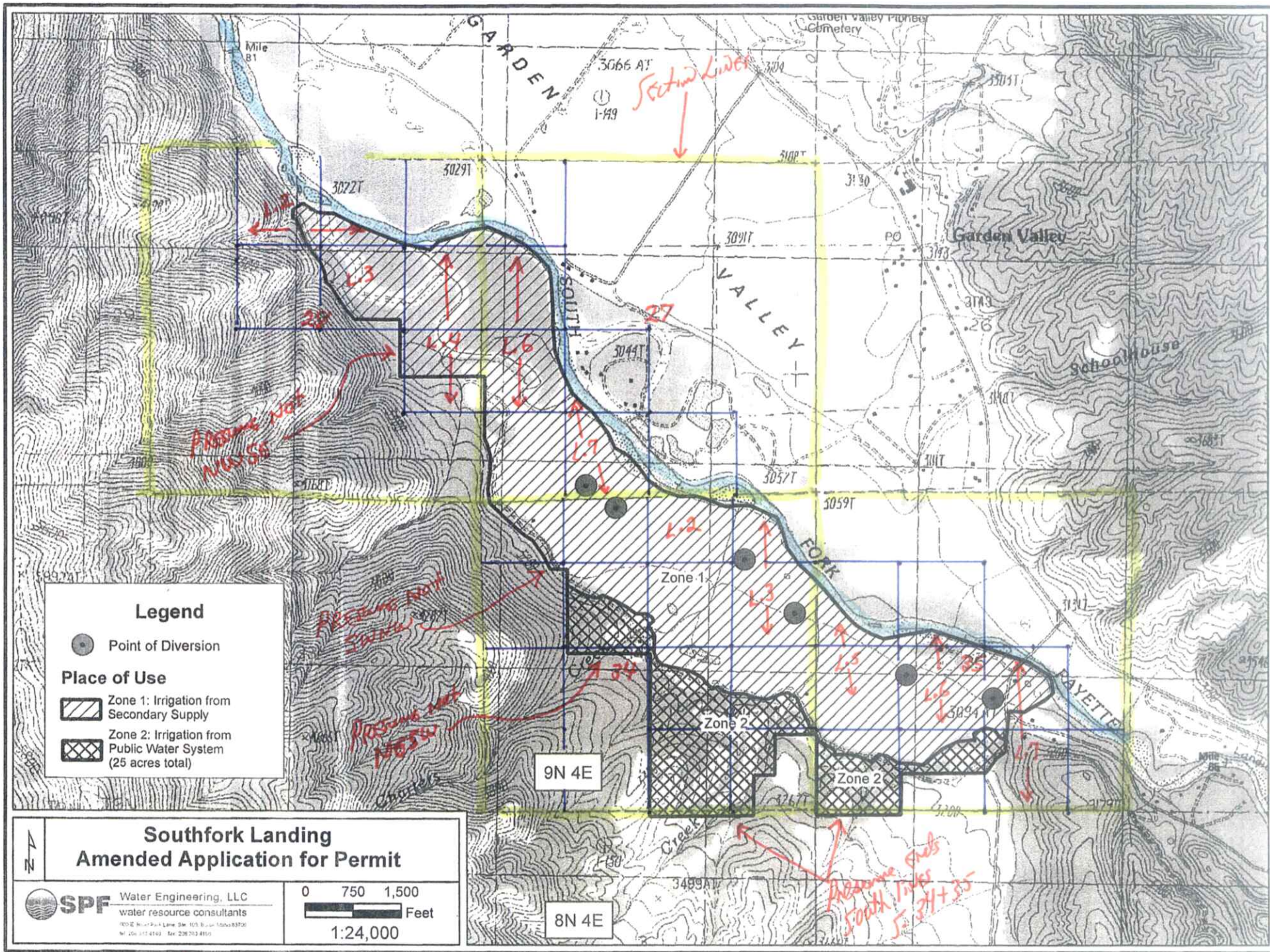
65-23089

Govt. Lots NOTES:

- Lots per BLM website
- River Accretion
- Assume lot #'s do not change with respect to being north or south of River
- But QQ id could change with respect to some interpretations of lots
- Worked through this with consultant
- Result - Agreed to omit lot #'s for now but focus on id correct QQ's
- Amended Appl. Aerial photo map has correct QQ lines

-FL

10/10/06



Eagle Springs Ranch - All south of River

-JL
10/3/06

<u>P/O</u>	PER ORIGINAL APPL		WRITTEN	RESOLVE *
	MAP			
S. 27	L. 7 SE SW		✓	
S. 34	L. 3 NENE		NE or SE of NE, L. 1 N of River	✓
	L. 3 SE NE		✓	
	NENW		✓	
S. 35	L. 6 NESW		✓	
	L. 7 NWSE	L. 7 SWSE		✓

<u>Plu</u>				
S. 27	L. 6 NWNW	}	L. 5 } N. of River	✓
	L. 6 SWNW		L. 4 }	✓
	L. 7 NESW		not listed	✓
	L. 6 NWSW		✓	
	SWSW		✓	
	L. 7 SE SW		✓	
	SWSE		not listed	✓
S. 28	L. 4 NENE		L. 1 N. of River	✓
	L. 2 NENE		not listed	✓
	L. 3 SWNE		✓	
	L. 4 SE NE		add lot #	✓
	L. 2 NENW		✓	
	SE NW		✓	
	L. 4 NESE		✓	
	confirm no NWSE	(SEE topo)		✓

- continued -

* ✓ = Need to resolve differences between map + written

P/u

	MAP		WRITTEN	Resolve
S. 34	L. 1	NENE	L. 1 n. of River	✓
	L. 2	NWNE	✓	
	SWNE	JWNE	✓	
	L. 3	JENE	✓	
	NENW		✓	
	NNNW		✓	
	JENW		✓	
	NESE		✓	
	NWSE		✓	
	JWSE		✓	
	JESE		✓	
	confirm no JWNW & NESW (see topo)			✓
S. 35	L. 5	JWNW	not listed	✓
	L. 6	JENW	L. 3 n. of River	✓
	L. 6	NESW	✓	
	L. 5	NWSW	✓	
	JWSW		✓	
	JESW		✓	
	L. 7	NWSE	L. 1 n. of River	✓
	L. 7	JWSE	✓	
	?		L. 4 NWNW	✓

ALSO

confirm nothing south of Sections 34 & 35 (see topo)



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Viet

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 **Quic**

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Surveys

Plat Details

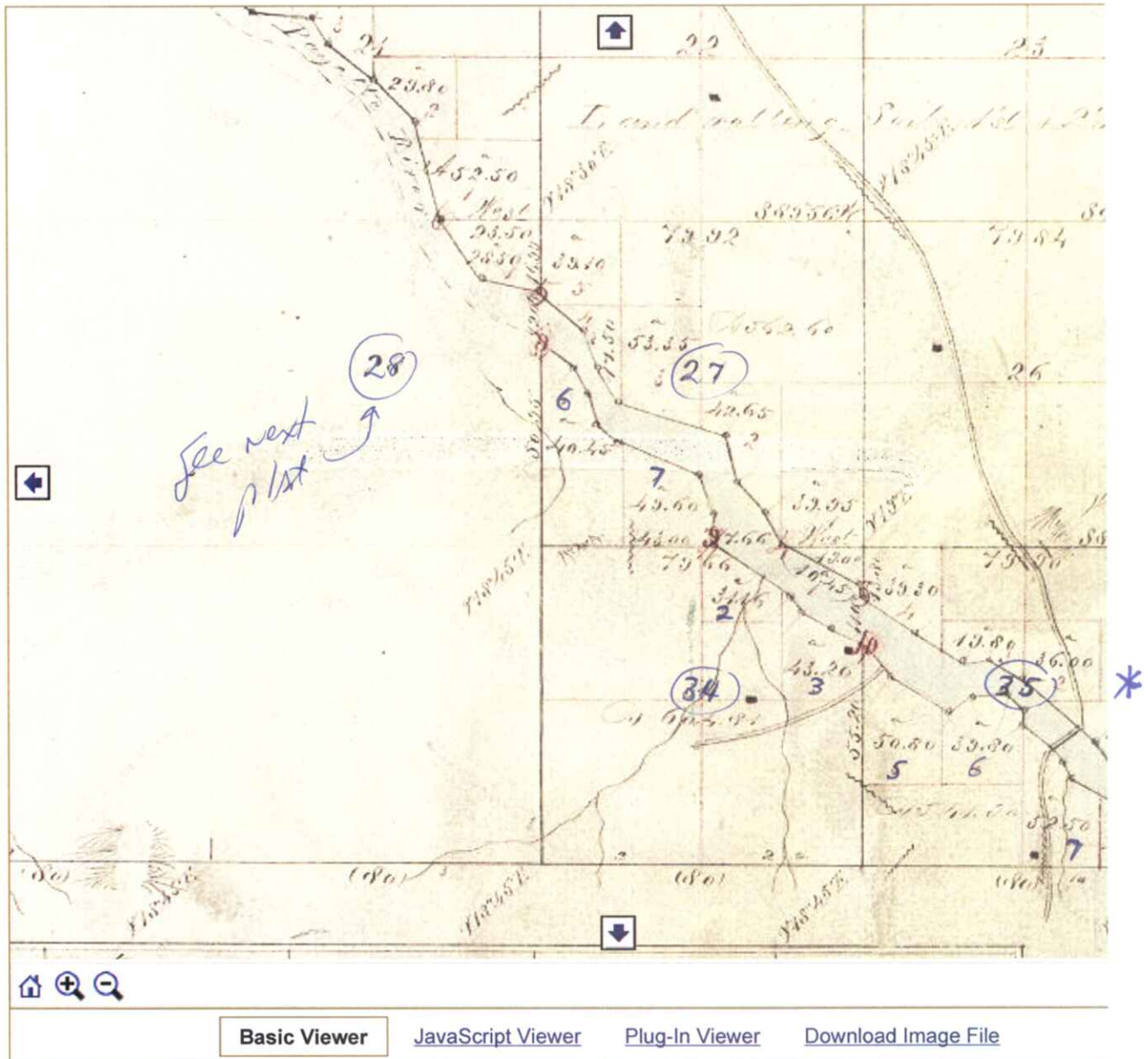
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[Viewers.](#)

Gov't ^{Viewers} LOTS (3 pgs.)

* JFF 1988 Survey Ser. 35



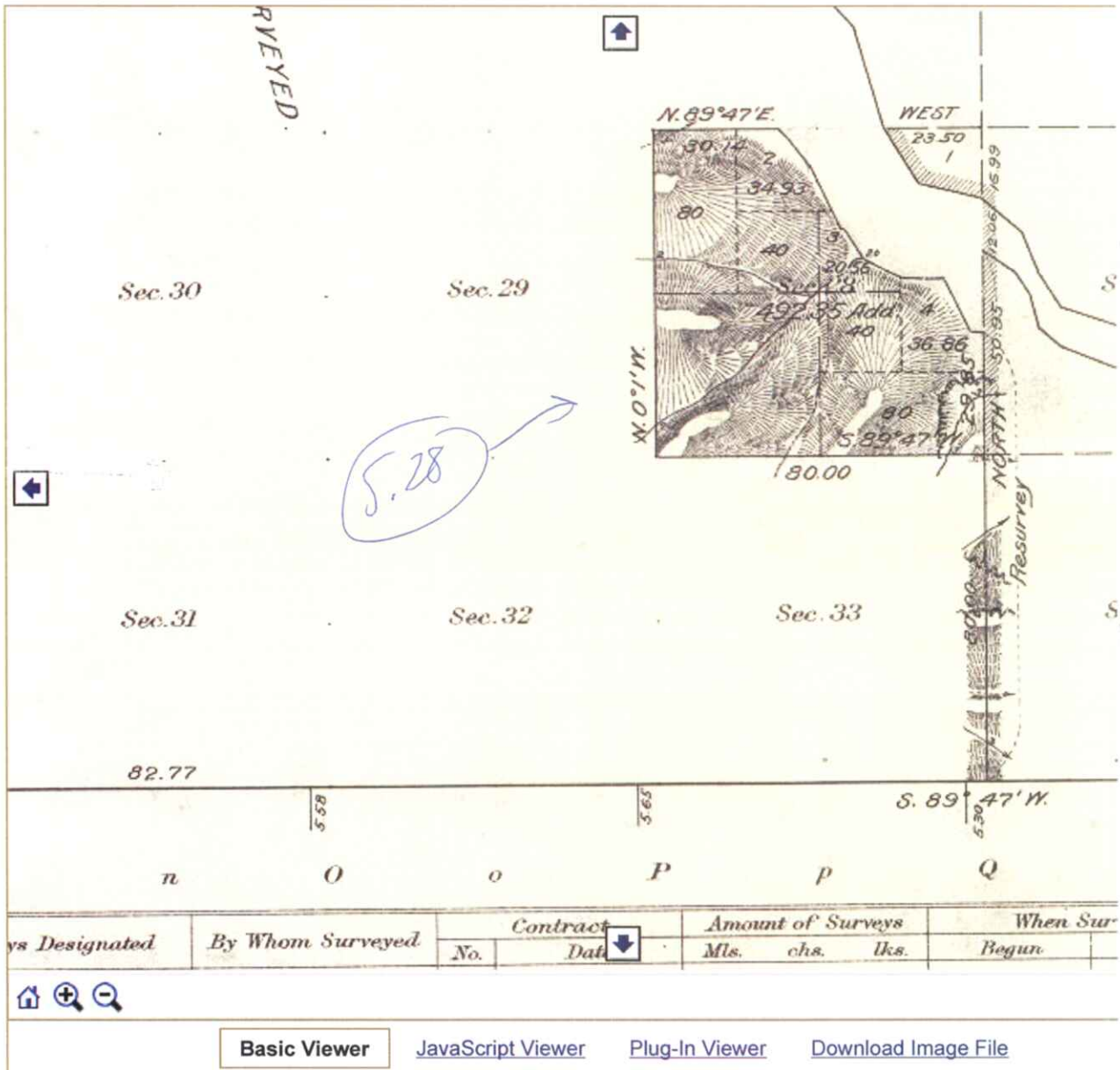
Bureau of Land Management - General Land Office Records

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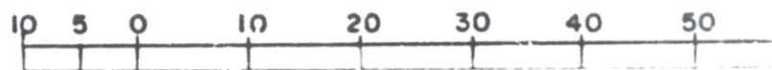
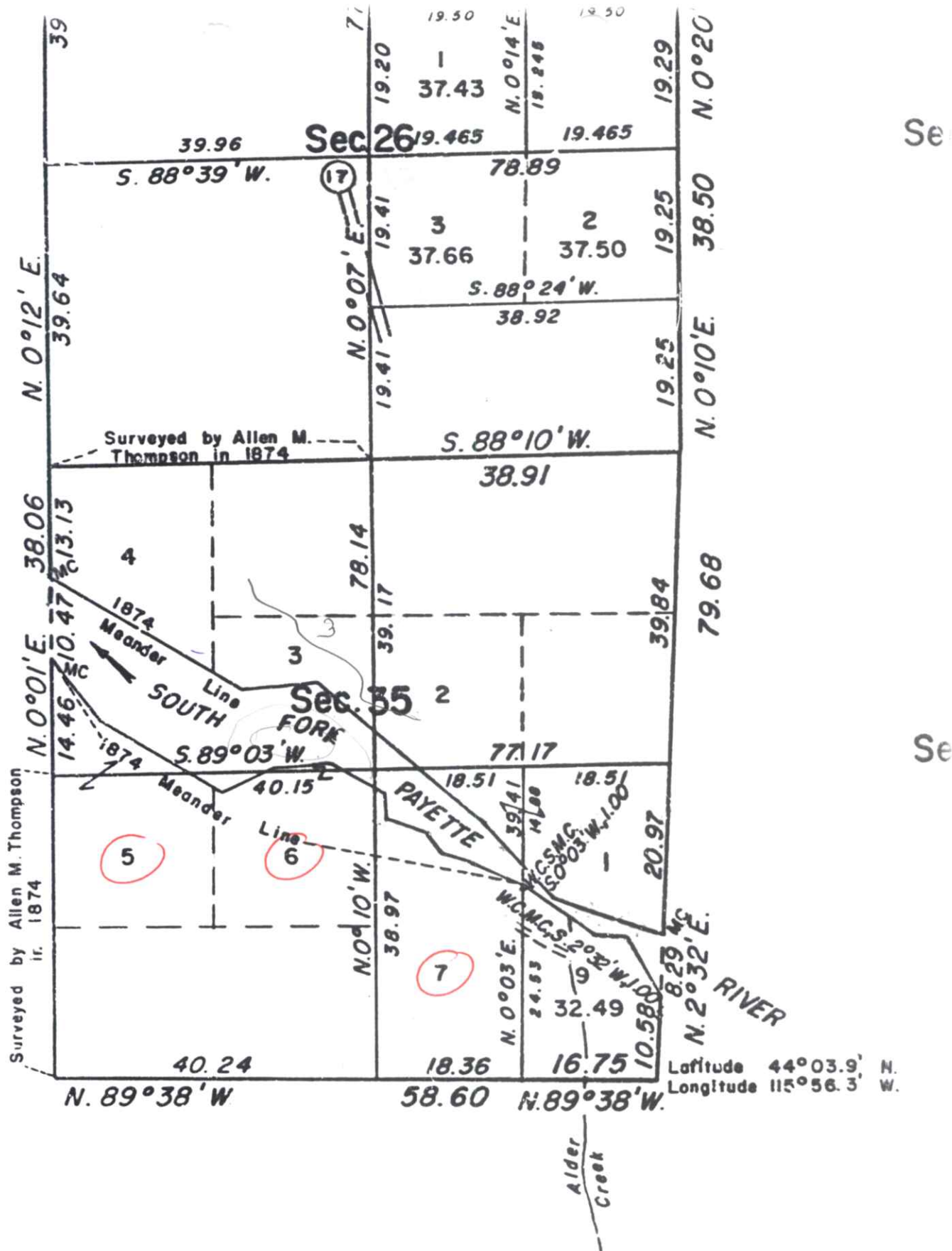
Plat Details

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Description: ---



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SPF Water Engineering, LLC
water resource consultants

RECEIVED

OCT 06 2006

WATER RESOURCES
WESTERN REGION

October 6, 2006

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

Via Hand Delivery

Attention: Steve Lester

Subject: Eagle Springs Ranch Amended Application

Dear Steve,

Enclosed is a revised amended application for Eagle Springs Ranch, LLC.. Please contact me with any questions or requests for additional information.

Sincerely,

Scott N. King, P.E.
Senior Project Engineer

File: 391.0020



September 28, 2006

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

RECEIVED

SEP 28 2006

WATER RESOURCES
WESTERN REGION

Via Hand Delivery

Attention: Steve Lester

Subject: *Eagle Springs Ranch, LLC* **Amended** Application for Permit

→ was a draft, not retained for file
-R

Dear Mr. Lester,

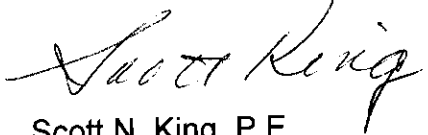
Enclosed on behalf of Eagle Springs Ranch, LLC is an amended application for water right permit associated with a proposed development located south of Garden Valley in Boise County. The enclosed copy is a facsimile and is signed by C. Lloyd Mahaffey, managing partner in Eagle Springs Ranch, LLC. I will submit an original copy of this application shortly. The application is amended to accomplish the following items:

- Change the nature of use to Municipal. Ownership of the water right will ultimately be assigned to a homeowners association or other appropriate entity authorized to own and operate the community water system.
- Clarify the place of use description.
- Correct the identified county.
- Clarify that ponds will not receive water under this water right application.
- Plot the project map at standard 1:24,000 scale.

Per our discussion, I understand that unless this application requires further modifications, you anticipate that it will be advertised in the second half of October. We look forward to this advertising schedule. Please let me know if you have any further questions or concerns.

September 28, 2006

Sincerely,

A handwritten signature in cursive script that reads "Scott N. King". The signature is written in dark ink and is positioned above the printed name and title.

Scott N. King, P.E.
Senior Project Engineer

cc: C. Lloyd Mahaffey & T. Erik Oaas / Eagle Springs Ranch

File: 391.0020

Lester, Steve

From: Lester, Steve
Sent: Tuesday, September 26, 2006 9:38 AM
To: 'sking@spfwater.com'
Subject: Eagle Springs Ranch application

Contacts: King, Scott

Scott:

I reviewed the application this morning. Some work is needed to get the application advertised as follows:

- 1) Boise County, not Ada (as listed in p/d)
 - 2) Domestic for 670 homes limited to 1.08 cfs per dept. standards unless document need for "excessive" flow
 - 3) Confirm wells will not provide water to ponds or amend application to include pond details; how will ponds be filled/maintained if not via wells?
 - 4) Revise topo map so duplicates exact 7.5' topo copy without enlargement or reduction (as if submitting an actual topo); gov't lots plus enlarged map make it too difficult to confirm map locations with written locations; appears some incorrect tracts (example: p/u in NE 1/4 S.28, not just S 1/2 NE 1/4).
- Suggest amending/correcting application as needed so processing can move ahead. Please call if want to discuss in more detail.

-- Steve



SPF Water Engineering, LLC
water resource consultants

RECEIVED

FEB 28 2006

WATER RESOURCES
WESTERN REGION

February 27, 2006

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

Attention: Steve Lester

Subject: Request to Process for Eagle Springs Ranch, LLC

Dear Steve,

Enclosed on behalf of Eagle Springs Ranch LLC is a signed Request to Process form to accompany their recently filed application for permit. Please contact me with any questions or requests for additional information.

Sincerely,

Scott N. King, P.E.
Senior Project Engineer

File: 391.0020



February 15, 2006

RECEIVED

FEB 16 2006

**WATER RESOURCES
WESTERN REGION**

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

Attention: Steve Lester

Subject: Eagle Springs Ranch, LLC Application for Permit

Dear Mr. Lester,

Enclosed on behalf of Eagle Springs Ranch, LLC is an application for water right permit associated with a proposed development located south of Garden Valley in Boise County. The proposed usage includes 1.3 cfs for domestic use, 0.5 cfs for irrigation, 0.2 cfs for commercial, and 2.0 cfs for fire protection, with a total quantity of 2.0 cfs. Domestic use includes up to 670 homes. Approximately 520 of these homes will be served by a separate pressurized irrigation system while 150 homes will use potable water under this application for irrigation. The total proposed irrigation use is 25 acres which includes lot irrigation for the 150 homes mentioned above, plus irrigation of common areas. The secondary pressurized irrigation system will utilize existing water rights from Alder Creek, Coski Creek, Charters Creek, and Payette River and will provide irrigation water for a majority of the project; we propose irrigating higher elevation areas using ground water under this permit application as indicated on the enclosed map. Up to six wells are proposed with water bearing zones from 50 to 300 feet.

The proposed development is located on 670 acres owned by Eagle Springs Ranch, LLC, and 198 acres owned by The Lenora Barnes Revocable Living Trust, formerly known as Barnes Family Trust. The Lenora Barnes Revocable Living Trust has entered into a development agreement with Eagle Springs Ranch, LLC. Eagle Springs Ranch, LLC is the project developer. T. Erik Oaas, registered agent for Eagle Springs Ranch, LLC, has signed the permit application.

A check for \$290 is enclosed to the cover filing fees for this permit application. Please contact Terry Scanlan or me with any questions or requests for additional information.

Sincerely,

Scott N. King, P.E.
Senior Project Engineer

cc: T Erik Oaas, Lloyd Mahaffey, Doug Russell (Via Email)

File: 391.0020