

APPLICATION FOR PERMIT
STATE OFFICE ANALYSIS

Reviewed by Sharla Curtis on 3/25/00

No. 32-07261 Name: BCR Ranches Corp. Officers Jed Sorenson ^(Jed's payee number)
initial agent Ad ok ☒ Govt Lots

AREA OF CONCERN: No/Yes Moratorium GWMA TRUST/NON-TRUST

GROUNDWATER: (✓Flow Chart)

DRILLING PERMIT

All wells - 046(P23) ^{pre-1987 dev.}
Basin 34 - 085
Irr. w/in WD - P05
WMD - North/East/West
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 067

WMD

Supp irr (irr = only use) - 065-104
Supp irr (+ other uses) - 100-105
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 01M

LOCATION:

Boise Front LoGeo - 058 (<85 GW)
Mitigation - 121
42-248 Area - P84 (20s-70s, 81-86)
Swan Falls Flag
Trust - 051(P74) (consumptive uses)
Non-Trust - 048-049 (consumptive uses or non-cons. > 1.0 cfs)

USES:

STORAGE - 18A-01H(P01), 01P-18B(P09)-NA
IRR ≤ 5 ac - R66/R67/R68/R69 (0.03 cfs/ac)
> 5 ac - R62/R63/R64/R65 (0.02 cfs/ac)
STOCKWATER - R37 (BLM/USFS)
MINING - 054-081(P10)
FISH PROP - 029(70'S only)-007-042-081(P10)
HEAT/COOL - R07(injection well)
FIRE PROT. - 077

BENEFICIAL USE DUE: 8 / 01 / 2001

MISC CONDITIONS/REMARKS:

Protested - 020-W19
Development Period
≤ 1 yr - P16
> 1 yr - 26A(P17)
Ownership - 004
Non-consumptive - 027
Water Quality - 081-R07

IRRIGATION SEASON 4/1 - 10/31 (Per updated map)

SURFACE WATER: (✓Flow Chart)

F&G contacted - Yes/No Response

In/Above MSF - WB9

PLANNING SECTION REVIEW/RESPONSE

In-stream development - P52

WD - R04 (WD#)

≤ 0.20 cfs/others - 01H(P01), 01P or No MD

> 0.20 cfs - 01J(P08)

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0.24 cfs/5 acres - No MD

> 0.24 cfs/5 acres - 01M or No MD

RIVER BASINS: (SW special considerations)

Snake R (01) - W22(P04), N/A
(02,03) - 007 (w/ remark WB9 if above Weiser)
Payette R (65) - 047(P04) (Payette Lake)
Salmon R (70's) - 029 (fish screens)
Weiser R (67) - 086-087

USES:

POWER - 17H-17K (+uses)-08A-025(P18)-01N-081(P10)
MUNICIPAL
Restricted area - 022,075
Irr., GW supp to SW - 102
DOMESTIC
Surface water - WB5 (Big Wood or Boise above Star Bridge)
27A (Payette R)
> 1 in restricted area - 070-071-075(no parks/common areas, etc)
Irr use listed separate - WB5
Moratorium approvable - W03 (2500 gpd - meets domestic definition
i.e. D/convenience store)

Multiple pd's per ¼¼ - W32
Subd lot desc (pd) - W59
Subd lot desc (pu) - W60
Use definitions - W02 example - S/50 range
Pre-1987 development - 068-074 (allow 120 days for proof due)
Single p/d intended - 076 8/1/00

OTHER CONDITIONS/REMARKS

COMMENTS add'l rate for same as 32-07025 401cp cap well test = 1430 gpm

Return to:

SECRETARY OF STATE
700 WEST JEFFERSON
PO BOX 83720
BOISE, ID 83720-0080

NO FEE REQUIRED

1 Mailing Address - Please Correct, If Not Correct

BIRCH CREEK RANCHES, L.L.C.
TED S SORENSON
5203 S 11TH EASTTED SORENSON
5203 S 11TH EAST

IDAHO FALLS ID 83404

3. Organized Under the Laws of:

* FIRST NOTICE *

IDAHO FALLS ID 83404

ID W 1927

Corporations: Enter Names and Business Addresses of President, Secretary and Directors

Limited Liability Companies: Enter Names and Addresses of ☐ Managers or ☒ Members (check one)

Office held	Name	Street or P.O. Address	City	State	Zip
Member	Ted Sorenson	5203 South 11th East	Idaho Falls	ID	83404
Member	Gayle Sorenson	5203 South 11th East	Idaho Falls	ID	83404

Signature of New Registered Agent

6.

Signature



Date

7/12/99

Name (Typed or Printed)

Ted S. Sorenson

Title

Member

ISSUED: 07-03-1999

2000

MICROFILMED
MAY 18 2000

Form No. 217
12/99
RECEIVED

APR 17 2000

Department of Water Resources

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

FOR OFFICE USE ONLY
Amt. of Fee \$: 125.00
Receipt No. 0048837
Receipt By: [Signature]
Date Received: 4/17/00

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 32-07261 Telephone No. 208-522-8069
2. Name of Permit Holder(s): Bird Creek Ranches LLC
3. Mailing Address: 5203 South 11th East
City Idaho Falls, ID State ID Zip 83404
4. Source of Water: Groundwater If **GROUNDWATER** (well), Date Drilled: mo. _____ / yr. 1974?
Well Driller: unknown Drilling Permit Number: _____
5. Use(s) (as authorized by the water right permit):
Domestic (No. of households): _____ Stockwater (No. and type of stock): _____
Irrigation (No. of acres): 405 Other: _____
6. Total rate of diversion and/or volume for which proof is submitted: 1.4 cfs OR _____ acre-feet
7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)
Measuring Device: Is a measuring device required? Yes _____ or No X
Has the measuring device been installed? Yes _____ or No X
8. Fee Enclosed: \$ 125.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)
9. Person to contact to accompany the Department representative during field examination of the water system.
Name: Ted S. Sorenson Telephone Number: 208-522-8069
Address: 5203 South 11th East, Idaho Falls, Idaho 83404
10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: _____

(include your title, if on behalf of company or organization)

Owner

Date: 4/6/2000

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MAY 18 2000

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 32-07261

Priority: January 28, 2000

Maximum Diversion Rate:

1.40 CFS

This is to certify, that BIRCH CREEK RANCHES LLC

5203 S 11TH E

IDAHO FALLS ID 83404

has applied for a permit to appropriate water from: GROUNDWATER

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>
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IRRIGATION	04/01 to 10/31	1.40 CFS
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LOCATION OF POINT(S) OF DIVERSION:

SWNWSW , Sec. 36, Township 09N, Range 32E
CLARK County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>		<u>ACRES</u>		<u>ACRES</u>		<u>ACRES</u>	<u>TOTAL</u>
08N	32E	1	Lot 1 (NENE)	34.0	Lot 2 (NWNE)	34.0	SWNE	40.0	
			SENE	40.0	Lot 3 (NENW)	11.0	SENE	9.0	168.0
09N	32E	36	SWNW	40.0	SENE	40.0	NESW	40.0	
			NWSW	40.0	Lot 4 (SWSW)	39.0	Lot 3 (SESW)	38.0	237.0

Total number of acres irrigated: 405.0

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of application of water to beneficial use shall be submitted on or before August 1, 2000.
2. Subject to all prior water rights.
3. After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
4. This permit does not authorize the construction of any new well or the deepening or enlargement of any existing well.
5. This right does not authorize the irrigation of land not previously irrigated.
6. Any license issued by IDWR pursuant to the right or portion thereof for the use of trust water is subject to a term review of 20 years after the date of this approval to determine availability of water for the use and to re-evaluate the public interest at the end of the term.
7. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.

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MAY 18 2000

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 32-07261

CONDITIONS OF APPROVAL AND REMARKS

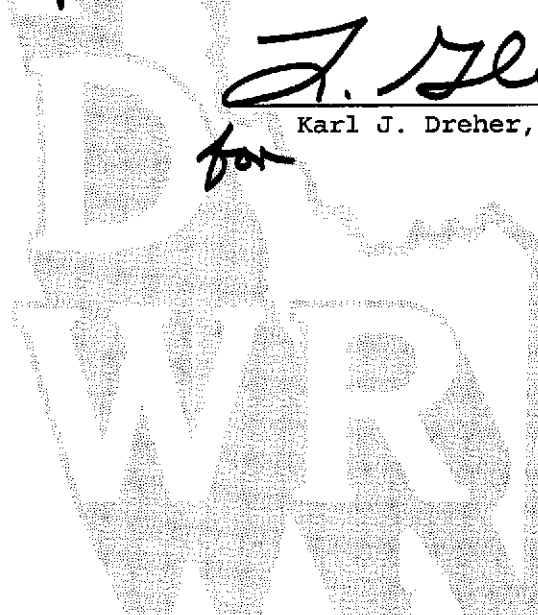
8. The right holder shall use the full allotment of appurtenant surface water rights in conjunction with groundwater diverted under this right and shall only divert groundwater under this right when water from the appurtenant surface water rights cannot be delivered to the right holder.
9. If the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use, this right to divert groundwater shall not be used without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.

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

3 day of April, 2000.

Karl J. Dreher

for
Karl J. Dreher, Director



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MAY 18 2000

RECEIVED

JAN 28 2000

FORM 202

2/96

Department of Water Resources

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Ident. No.

32-0726

RECEIVED

RECEIVED

JAN 28 2000

APPLICATION FOR PERMIT

MAR 13 2000

To appropriate the public waters of the State of Idaho Department of Water Resources

Department of Water Resources

1. Name of Applicant Birch Creek Ranches LLC Phone (208) 522-8069
 Mailing address 5203 S 11th E, Idaho Falls, ID 83404

2. Source of water supply Groundwater which is a tributary of N/A

3. Location of point of diversion is Township 9N Range 32E Sec. 36 in the SW 1/4, NW 1/4, SW 1/4, Govt. Lot _____, B.M., Clark County;

additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 1.40 for Irrigation purposes from 4/15 to 10/31 (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)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 1.40 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 350 H.P. US MOTOR
D- powered vertical turbine pump.

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
 reservoir capacity _____ acre-feet

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet

d. Is ground water with a temperature of greater than 85°F being sought? _____

e. If well is already drilled, when? 1974; Drilling firm R.P. Cope

Well was drilled for (well owner) Ben R. Wilding; Drilling Permit No. _____

7. Time required for completion of works and application of water to proposed beneficial use is 1 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. _____

e. Other; describe fully. _____

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MAY 18 2000

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	N E				N W				S W				S E				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
8N	32E	1	Lt. 1 34	Lt. 2 34	40	40	Lt. 3 11			9									168
9N	32E	36							40	40	40	40	Lt. 4 39	Lt. 3 38					237

Total number of acres to be irrigated 405

10. Describe any other water rights used for the same purposes as described above. 32-07025, A32-10127,

11. a. Who owns the property at the point of diversion? Birch Creek Ranches LLC
b. Who owns the land to be irrigated or place of use? Birch Creek Ranches LLC
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Same

12. Remarks: Applicant is seeking a water right for use established prior to November 1987. Evidence of use is attached.

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.

[Signature]
Signature of Applicant (and title, if applicable)
Member

Received by [Signature] Date 1-28-00 Time _____ Preliminary check by _____
Fee \$ 120.00 Receipted by [Signature] # 0047935 Date 1-28-00
Publication prepared by SC Date 2/17 & 2/24/00 Published in Post Register
Publication approved SC Date 3/7/00

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MAY 18 2000



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

April 28, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

TED S SORENSON PE
BIRCH CREEK RANCHES LLC
5203 SOUTH 11TH EAST
IDAHO FALLS ID 83404

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 32-07261

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made meets the permitted beneficial use.

Be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any department office.

If you have questions concerning the field examination, please contact the **Eastern Regional Office** of the department in Idaho Falls at (208) 525-7161.

Sincerely,

Deborah Drew-Ellis
Administrative Assistant
Water Allocation Bureau

Encl.

c: IDWR - Regional Office

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MAY 18 2000

Permit No. 32-07261 Reviewed by D. Ellis Date 4/28/00

TYPES OF USE

Yes Name same as permit?
Yes Address same as permit?
Yes Proof timely received?
 If not, complete calculation below.

Irrigation

Correct Uses? Yes

SOURCE OF WATER

Surface water source

☒ Ground water source

No Drilling permit required?

No Copy in the file? Drilling Permit No.

Amount paid for permit

No Well log in the file?

LICENSE EXAMINATION FEE

Yes Required?
\$125 Amount Submitted
Yes Correct?

MEASURING DEVICE

No Required?
 _____ Installed?
 _____ Waiver requested?

PRIORITY CALCULATION

Date proof received	<u>4/17/00</u>	
Date proof due	<u>8/1/2000</u>	-
No. of days late	<u>/</u>	= <u>/</u>
Priority Date	<u>/</u>	+ <u>/</u>
New Priority Date	<u>/</u>	<u>/</u>

DEFICIENCIES OR ACTION ITEMS

DEFICIENCIES OR ACTION ITEMS

Acknowledge proof

DATA ENTRY

New Address _____ Proof Made 4/17/00

RECEIPT
For Monies Paid
to the
Idaho Department of Water Resources

Receipt No:

0048837

Date:

Time: 4/17/2000
15:42:56

Received

From: BIRCH CREEK RANCHES LLC

Type of Payment

Program Acct

Amount

BENEFICIAL USE

56104

229 21 1155

125.00

Total

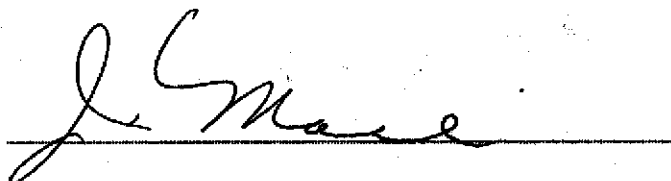
\$

125.00

CHECK

1637

Region: STATE

Signature: 

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MAY 18 2000

Ellis, Debbie

From: Ellis, Debbie
Sent: Tuesday, April 11, 2000 8:38 AM
To: 'Sorenson, Ted S., P.E.'
Subject: Birch Creek Ranches, L.L.C.

Shelley Keen received your letter dated April 6, 2000 and forwarded it on to me for follow up. I am writing you referencing the enclosures of the Proof of Beneficial Use and a check for \$125.00 that you mentioned in the letter was to be enclosed. However, we did not receive any of the enclosures. If you have questions, please contact me at (208)327-7953 or by email at dellis@idwr.state.id.us.

Ted Sorenson

*Responded to this email on 4/12 & said he
would send the enclosures ASAP.*

DE

MICROFILMED

MAY 18 2000

No.
No. 5/11.

Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404

Phone: (208) 522-8069
Fax: (208) 522-8223
e-mail: sorenson@ida.net

RECEIVED

APR 10 2000

Department of Water Resources

April 6, 2000

Shelly Walter Keen
Water Rights Supervisor
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Re: Permit No. 32-07261

Dear Mr. Keen:

Thank you for the receipt of the permit approval notice. Attached please find a proof of beneficial use together with a check for \$125.00. Trusting this to be of value.

Very truly yours,



Ted S. Sorenson, P.E.

Enclosure

C:\My Documents\CCWin9\Birch Power Company\Keen.ltr.wpd

MICROFILMED-MED
APR 10 2000



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

April 3, 2000

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS ID 83404

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 32-07261

Dear Permit Holder:

The Department of Water Resources (IDWR) 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 IDWR pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by IDWR unless a party petitions for reconsideration or files an exception and/or brief as described in the enclosed information sheet.

Enclosed is a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a licensed water right. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed, you should complete and submit this form immediately.

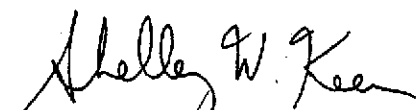
This permit authorizes the appropriation of trust water. Trust water is defined as that portion of a particular hydropower water right which exceeds certain minimum stream flows established by state action, and is held in trust by the State of Idaho for the use and benefit of the people within the state. Conditions pertaining to a term review, annual use fee and jurisdiction of the permit are trust water conditions.

Also, please note that water right owners are required to report any change of water right ownership and/or change of 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 reporting form.

MICROFILMED

If you have any questions, please call me at 208-327-7946.

Sincerely,

A handwritten signature in cursive script, reading "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SK:klt

Enclosures

MAY 18 2000

MICROFILMED

MAY 18 2000

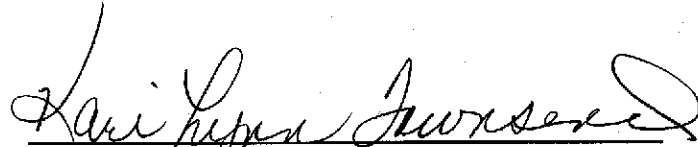
MICROFILMED

CERTIFICATE OF MAILING

I hereby certify that on the 3rd day of April, 2000, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved Permit) to the person(s) listed below:

Water Right No. 32-07261

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS ID 83404


Kari Lynn Townsend
Secretary

MAY 18 2000

Responding to Preliminary Orders Issued by the Idaho Department of Water Resources

The Idaho Department of Water Resources (Department) issues water right permits, licenses, and transfers as preliminary orders pursuant to section 67-5243, Idaho Code. A 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 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 the order. 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 twenty-one (21) 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 a 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. Otherwise, a preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to a preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review a preliminary order, the Department 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 Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department 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 Department in connection with a preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department 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 Department 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.

APPLICATION FOR PERMIT
STATE OFFICE ANALYSIS

Reviewed by Sharla Curtis on 8/25/00

No. 37-0726-1 Name: B.C. Ranches Corp. Officers Initial agent Ad ok ✓ Govt Lots _____

AREA OF CONCERN: No/Yes _____ Moratorium _____ GWMA _____ TRUST/NON-TRUST _____

GROUNDWATER: (✓Flow Chart)

DRILLING PERMIT

All wells -045(P23) pre-1987 dev.
Basin 34 -085
Irr. w/in WD -P05
WMD -North/East/West
≤0.24 cfs/5 acres -No MD
>0.24 cfs/5 acres -067
~~WMD~~
Supp irr (irr = only use) -065-104
Supp irr (+ other uses) -100-105
≤0.24 cfs/5 acres -No MD
>0.24 cfs/5 acres -01M

LOCATION:

Boise-Front LeGeo -058 (<85 GW)
~~Mitigation~~ -121
42-248 Area (P84) (20s-70s, 81-86)
Swan Falls Flag -050(P74) (consumptive uses)
Trust -048-049 (consumptive uses or non-cons. > 1.0 cfs)
~~Non-Trust~~

USES:

STORAGE -18A-01H(P01), 01P-18B(P09)-NA
IRR ≤ 5 ac -R66/R67/R68/R69 (0.03 cfs/ac)
> 5 ac -R62/R63/R64/R65 (0.02 cfs/ac)
STOCKWATER -R37 (BLM/USFS)
MINING -054-081(P10)
FISH PROP -029(70'S only)-007-042-081(P10)
HEAT/COOL -R07(injection well)
FIRE PROT. -077

BENEFICIAL USE DUE: 8 / 01 / 2001

MISC CONDITIONS/REMARKS:

Protested -020-W19
Development Period (P16)
≤ 1 yr
> 1 yr -26A(P17)
Ownership -004
Non-consumptive -027
Water Quality -081-R07

IRRIGATION SEASON 4/1 - 10/31 (Per updated map)

OTHER CONDITIONS/REMARKS

COMMENTS

add's note of 1000000 on 37-0726-1 A 1000000

SURFACE WATER: (✓Flow Chart)

F&G contacted -Yes/No Response
In/Above MSF -WB9
PLANNING SECTION REVIEW/RESPONSE _____
In-stream development -P52
WD -R04 (WD#)
≤0.20 cfs/others -01H(P01), 01P or No MD
>0.20 cfs -01J(P08)

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤0.24 cfs/5 acres -No MD
>0.24 cfs/5 acres -01M or No MD

RIVER BASINS: (SW special considerations)

Snake R (01) -W22(P04), N/A
(02,03) -007 (w/ remark WB9 if above Weiser)
Payette R (65) -047(P04) (Payette Lake)
Salmon R (70's) -029 (fish screens)
Weiser R (67) -086-087

USES:

POWER -17H-17K (+uses)-08A-025(P18)-01N-081(P10)
MUNICIPAL -022,075
Restricted area -102
Irr., GW supp to SW -WB5 (Big Wood or Boise above Star Bridge)
DOMESTIC 27A (Payette R)
Surface water -070-071-075(no parks/common areas, etc)
>1 in restricted area -WB5
Irr use listed separate -W03 (2500 gpd - meets domestic definition
Moratorium approvable i.e. D/convenience store)

Multiple pd's per ¼¼ -W32
Subd lot desc (pd) -W59
Subd lot desc (pu) -W60
Use definitions -W02 example - S/50 range
Pre-1987 development -068-074 (allow 120 days for proof due)
Single p/d intended -076

MAR 13 2000

Department of Water Resources

Birch Creek Ranches

INITIAL REVIEW BY HWT DATE 2-7-2000 APPLICATION NO. 32-07261

☒ Name (if applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
☒ Address
☒ Source (See USGS Quad for names of water sources)
☒ Point of Diversion (10 acres for spring, lot & block descriptions for subdivision, local name, flow and/or volume)
☒ County
☒ Quantity (flow and/or volume)
☒ Period of Use
☒ Nature of proposed use (Include description of use.)
☒ Description of diverting works
☒ Time required for beneficial use of water
☒ Place of use or acres irrigated
☒ Map
☒ Signature (If applicant is corp., partnership, or municipality, title of signatory is required)
☒ Fee
☒ Yes _____ No* In form to receipt

☒ Overlapping place of use (Describe source & relationship to present application on the back) For Div on 32-0

☒ Overlapping point of diversion

☐	Yes	☐	No	Critical groundwater area
☐	Yes	☒	No	Groundwater management area
☐	Yes	☒	No	Send dam safety information
☐	Yes	☒	No	Send fish farm requirement letter
☐	Yes	☒	No	Power residency affidavit
☒	Yes	☐	No	Within trustwater boundary (If yes, <u>attach trust water supplementary analysis sheet</u>)
☐	Yes	☒	No	Public Water System
☐	Yes	☒	No	Planning section review
☐	Yes	☒	No	Moratorium Hold file

See reverse side for additional information

*** include in advertising**

Same as P.4V
back) For Directors Report
on 32-07025

- * include in advertising

***REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT**

Date Requested _____

☒ Yes	☐ No	In form for advertising
☐ Yes	☒ No	Statewide advertising
☒ Yes	☐ No	Fee amount, receipt date & No. recorded on application

_____ Id Dept of Health & Welfare	_____ U.S. BLM
_____ Id Dept of Fish & Game	_____ U.S. Forest Service
_____ Id Dept of Lands	_____ Water District
_____ Adjudication Bureau Unit	_____ Other _____

Applicant is seeking additional cfs developed prior to 1981 on ~~grnd~~ ground irrigated by License 32-07025

FINAL REGIONAL PROCESSING REVIEW:

☒ Yes	☐ No	Affidavit of publication received
☒ Yes	☐ No	Application published correctly. If not, record action taken
☒ Yes	☐ No	Publication dates & paper, recorded on application
☐ Yes	☒ No	Protests received
☐ Yes	☐ No	Final date for protest
☐ Yes	☐ No	Protests, dates, resolution of protest, recorded on application
☐ Yes	☐ No	Recommendations attached
☐ Yes	☐ No	Measuring device required
☐ Yes	☐ No	Access port required
☐ Yes	☐ No	Will water be delivered by watermaster? If yes, what District
☐ Yes	☐ No	Special conditions of approval or cover letter below.

Date of priority recommend

By: [Signature]

Date: 1-28-2000
3-8-2000

STATE OFFICE REVIEW:

By:

Date:

ADDITIONAL INFORMATION:

LOCAL PUBLIC INTEREST:

Comments received from:

☐ City	☐ Id Fish & Game	☐ Irrigation District
☐ County	☐ Id Health & Welfare	☐ Canal Company
☐ Reservations	☐ Div. Of Environment	☐ Other

Project impacts/implications report

COMMENTS

The proofs supplied by the applicant for the additional water look convincing. Please note the comment by examiner Rod Parker which says "system will run center pivot + nine hand lines at full capacity". From that remark it sounds like the full system was not on at the time of the exam.

Proof of Publication

The Post Register

State of Idaho
County of Bonneville

I, S. Bob Bright or Robert Park, first being duly sworn, depose and say: That I am the Production Supervisor or Asst. Prod. Supervisor of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post Register, a newspaper of general circulation, published daily at Idaho Falls, Idaho; said Post Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the First day of November, 1931, and each of said newspapers have been published continuously and uninterruptedly, prior to consolidation, for more than twelve consecutive months and said Post Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

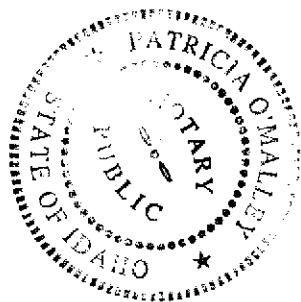
That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post Register for two consecutive (days) weeks, first publication having been made on the 17th day of February, 2000, last publication having been made on the 24th day of February, 2000, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

Robert Park

Subscribed and sworn to before me, this 25th day of February, 2000

Patricia O'Malley
Notary Public

My commission expires January 3, 2003



MICROFILMED

MAY 18 2000

**NOTICE OF APPLICATION
FOR WATER RIGHT**

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

32-07261

BIRCH CREEK RANCHES LLC

5203 S 11TH E

IDAHO FALLS, ID 83404

Source: GROUNDWATER

Diversion Pt: SWNWSW Sec 36 T 09N R
32E in CLARK County.

Use: IRRIGATION (1,400 CFS)

Total Diversion: (1,400 CFS)

Date Filed: 1/28/2000

In: CLARK County

T08N R32E S01 Lot 1 (NENE) Lot 2

(NWNE) SWNE SENE

Lot 3 (NENW) SENW

T09N R32E S36 SWNW SENW NESW

NWSW

Lot 4 (SWSW) Lot 3 (SESW)

405.0 ACRES TOTAL

Applicant is seeking additional cfs
developed prior to 1987 on ground irri-
gated by license 32-07025.

Any protests against the proposed
application must be filed with the Dept.
of Water Resources, 900 N Skyline Dr.,
Ste A, Idaho Falls ID 83402, together
with a protest fee of \$25.00 on or before
MARCH 6, 2000, to be considered by
the Department in its decision to grant or
deny any part of the proposed applica-
tion. The protestant must also send a
copy of the protest to the applicant.

KARL J. DREHER, Director

Published: February 17, 24, 2000

RECORDED

MAY 18 2000



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

February 9, 2000

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS ID 83404

RE: Application for Permit #32-07261

Dear Applicant:

This office is currently in the process of advertising the application in the Post Register on February 17 and 24, 2000. The advertisement will be published once a week for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

Harold W. Jones
Water Right Supervisor

HWJ::sc

MICROFILMED

MAY 18 2000



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

FEBRUARY 9, 2000

Legal Notices Department
THE POST-REGISTER
P.O. BOX 1800
IDAHO FALLS, ID 83403

Dear Legal Dept.:

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

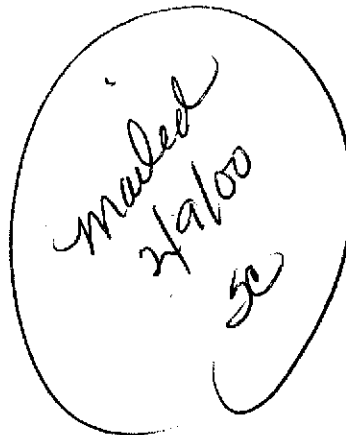
An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before MARCH 6, 2000.

Yours truly,

Sharla Cox
Senior Secretary

Encl.



MICROFILMED

MAY 18 2000

NOTICE OF APPLICATION FOR WATER RIGHT

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

32-07261

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS, ID 83404

Source: GROUNDWATER

Diversion Pt: SWNWSW Sec 36 T 09N R 32E in CLARK County.

Use: IRRIGATION (1.400 CFS)
Total Diversion: (1.400 CFS)

Date Filed: 1/28/2000

In: CLARK County
T08N R32E S01 Lot 1 (NENE) Lot 2 (NWNE) SWNE SENE
Lot 3 (NENW) SENW
T09N R32E S36 SWNW SENW NESW NWSW
Lot 4 (SWSW) Lot 3 (SESW)

405.0 ACRES TOTAL

Applicant is seeking additional cfs developed prior to 1987 on ground irrigated by license 32-07025.

Any protests against the proposed application must be filed with the Dept. of Water Resources, 900 N Skyline Dr., Ste A, Idaho Falls ID 83402, together with a protest fee of \$25.00 on or before MARCH 6, 2000. to be considered by the Department in its decision to grant or deny any part of the proposed application. The protestant must also send a copy of the protest to the applicant.

Published: 2/17/2000 & 2/24/2000

KARL J. DREHER, Director

MICROFILMED

MAY 18 2000

ARTICLES OF ORGANIZATION LIMITED LIABILITY COMPANY

To the Secretary of State of Idaho,
Statehouse, Boise, Idaho 83720

JAN 4 8 42 AM '96
SECRETARY OF STATE
STATE OF IDAHO



1. The name of the limited liability company is: Birch Creek Ranches, L.L.C.
2. The address of the initial registered office is: 5203 South 11th East,
Idaho Falls, ID 83404 (not a PO Box) and the name of the initial registered agent at that address is: Ted S. Sorenson

Signature of registered agent : *Ted S. Sorenson*

3. The latest date certain on which the limited liability company will dissolve: 12/31/ 2040
4. Is management of the limited liability company vested in a manager or managers?
☐ Yes ☒ No (check appropriate box)

5. If management is vested in one or more manager(s), list the name(s) and address(es) of at least one initial manager. If management is vested in the members, list the name(s) and address(es) of at least one initial member.

Name:

Address:

Ted S. Sorenson

5203 South 11th East

Idaho Falls, ID 83404

6. Signature of at least one person listed in #5 above:

Ted S. Sorenson
Ted S. Sorenson

Secretary of State use only
IDAHO SECRETARY OF STATE

DATE 01/04/1996 0900 27144

1

CK #: 58331 CUST# 2367

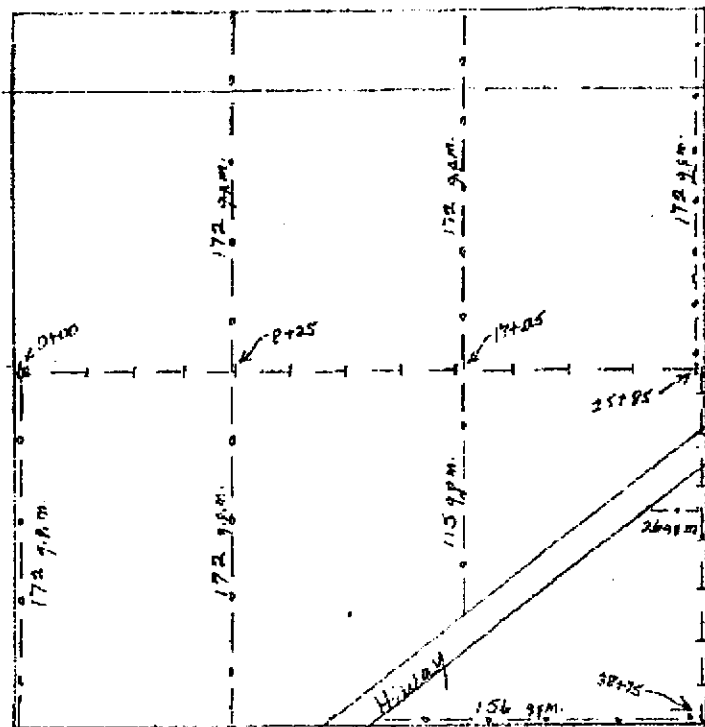
ORGAN LLC

1@ 100.00= 100.00

MICROFILMED
MAY 18 2000

Ben Wilding

#1



Ben Wilding

12-12-73

Sta.	TD Sta.	TDH		Pipe Size	Loss 1000'	Sum	Total
		Length	GPM				
0+00	9+25	825'	1883	12"	9.9		
9+25	17+05	880'	1541	12"	9.6	7.6	
17+05	25+25	880'	1254	12"	5.6	4.9	
25+25	31+25	520'	1082	10"	11.5	6.0	
31+25	38+75	770'	1056	10"	11.0	8.5	
38+25	39+75	100'	900	10"	8.2	.8	38' TDH.
39+75	57+75	1800'	900	10"	8.2	14.8	
						52.5	53' TDH.

B.N.P. to Point 39+75

Press at 50' - 116
 Lat. loss - 30'
 M.L. loss - 38'
 Lift in well - 400'
 Misc. loss - 50'
 584'

$$\frac{(2057)}{(584)} \times \frac{(584)}{(584)} = 370$$

Booster for Circle

Elev in machine - 13'
 Loss in M.L. - 15'
 30" Extra Charge - 70'
 Misc - 10'
 108'

B.N.P.

$$\frac{(900)}{(584)} \times \frac{(108)}{(584)} = 29 \text{ B.N.P.}$$

Hand Lines use 3/2 nozzles

8 day rotation

55' Valve Spacing

Water needed for Hand Lines = 1157 gpm

Water needed for Circular = 900 gpm

2057

Should install booster
at this point with auto-matic Valve.

Model 1260
Valley Circular

MICRON-UMD
 MAY 10 1998

No Later Than November 30,

TED SORENSON
5203 S 11TH EAST

IDAHO FALLS ID 83404

3. Organized Under the Laws of:

ID W 1927

Return to:

SECRETARY OF STATE
700 WEST JEFFERSON
PO BOX 83720
BOISE, ID 83720-0080

NO FEE REQUIRED

BIRCH CREEK RANCHES, L.L.C.
TED S SORENSON
5203 S 11TH EAST

* FIRST NOTICE *

IDAHO FALLS ID 83404

Corporations: Enter Names and Business Addresses of President, Secretary and Directors

Limited Liability Companies: Enter Names and Addresses of ☐ Managers or ☒ Members (check one)

Office held	Name	Street or P.O. Address	City	State	Zip
Member	Ted Sorenson	5203 South 11th East	Idaho Falls	ID	83404
Member	Gayle Sorenson	5203 South 11th East	Idaho Falls	ID	83404

Signature of New Registered Agent

6.

Signature Ted S. Sorenson Date 7/12/99
Name (Typed or Printed) Ted S. Sorenson Title Member

ISSUED: 07-03-1999

2000

MICROFILMED
MAY 18 2000

$$315 \times .02 = 6.30$$

DATE OF EXAM 18 Aug. 76

ACREAGE
Found 315 ✓
Recommended 315 ✓

Irrigation Requirement

USE
Irrigation Q = 3.75 c.f.s.
Domestic Q = .04 c.f.s.
Livestock Q = .12 c.f.s.

3.0 c.f.s. 2nd day
Ac Ft/Ac

#2

V = 945 AF from April 1 to November 1
V = 25.4 AF from Jan. 1 to Dec. 31
V = 6.7 AF from November 1 to April 1

Is water co-mingled? yes no ✓

Name source:
Twp. N/S, Rge E/W, B.M., Sec. Sub. County

Exchange? yes no ✓

Name source exchanged with:
Twp. N/S, Rge E/W, B.M., Sec. Sub. County

Point of injection: NA.
Twp. N/S, Rge E/W, B.M., Sec. Sub. County

Point of exchange: NA.
Twp. N/S, Rge E/W, B.M., Sec. Sub. County

Capacity = $Q \text{ P/O} \#1 + Q \text{ P/O} \#2 = 3.75 \text{ c.f.s.} + 0.25 = 4.0 \text{ c.f.s.}$
Total Q measured 3.75 c.f.s. Method of measurement LINE METER
Total Q recommended 4.0 c.f.s. Meter No. 78-12-247 Type McCrometer Condition NEW
Total V recommended 980.6 AF/yr

Recommended Amendments: Irr. V = $3.75 \times 3.0 = 945 \text{ AF}$
V = $3.75 \times 1.9835 \times 214 = 1596.2$

P.D. _____
Place of Use _____
Other _____
None _____

MEASUREMENT CALCULATION:
Irr. V = $315 \times 3.0 = 945 \text{ AF}$
Domestic V = $12 \times 1.9835 \times 214 = 1596.2$
Stockwater V = $12 \times 1.9835 \times 214 = 1596.2$
500 gal. of stock water

SYSTEM DESCRIPTION:
(4 1/2 SW) 115 HP motor, 3 phase, serial # 7004111, Johnston pump co.
In P. plate, 12 in. steel main extends 20 ft east of P.D. then becomes
piped. Certified location: 115 HP motor, 3 phase, 3000 RPM
System will run center pivot & one hand line at full capacity.
Valley center pivot, 9/32 in. 22 lb. on hand lines.

REMARKS:
System described by Ben Stirling.
Sub. backside for Q estimate for P.D. #2.
Burks 15 HP submersible pump, static level is ≈ 340 ft. has two 550
gal. pressure tanks (fills both in 7 min). Water mains go to house, garden,
hydrant, stock water trough. Well house is ≈ 150 ft. north of house.

Examiner's Signature Rodney A. Parker Date 11/5/78

Checked by _____ Date _____

Approved by Kay Walker Date 12/12/83

$$\frac{(H.P)(\text{eff})(\text{P.W.})}{(502) + (\text{psi})(2.31)}$$

$$S/L = (30-50 \text{ psi})$$

$$P/D \#2 \quad Q = \frac{15(.8) 8.8}{390' + 2.3(20 \text{ psi})} = \frac{105.6}{419} = 0.25 \text{ cfs}$$

Well and pump supplies water to house
garden and water trough. Allow:

$$\begin{array}{r} \text{Domestic } 0.04 \\ \text{Stockwater } 0.12 \\ \hline .16 \text{ cfs} \end{array}$$

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MAY 18 2000

Miss. P. in. 4

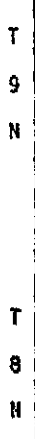
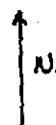


Diagram of System



MAY 18 2003



GEM STATE IRRIGATION, INC.

BOX 331 • SOUTH YELLOWSTONE HIGHWAY
PHONE 208-336-9318 • TWX 910-979-6913
REXBURG, IDAHO 83440

Serial No.:

Date: 5-23-77

Written By:

Name: Ben milking
Location of Pump: mountain
Make of Pump: John
Serial No. of Pump: no plate
Well Test:
Well Depth: 432
Static Water Level: 352
Pumping Level:
Casing Size: 20"
Test Results:

#3

Driver:	HP:	Frame No.:	Make:	Model:	Serial No.:
	350	A1507P	U.S.		D-7064111
R.P.M.:	Volts:	Ratio:			Paint 2205G
	460				
Discharge Head:	Base Dia.:	Register Dia.:	Disch. Size:	Tube Nipple Size & Lgth.	
John	20"	135	10	31595	
Head Shaft Size & Length:	K.W. Size & Length	Oil or Water:			
1 1/2" x 9' 2 1/2"	1/2" x 24 1/2"	0			
Column: Total Length	Col. Size & Length	Straight or Taper			
405	10 1/2"	Straight			
Tube Size & Length:	Tube R or L				
3120	R				
Make Bows:	No. Stages:	Size O.D.:	Impeller Dia.:		
John	9	14			
Tube Stickup:	Shaft Stickup:				
10	20				
				line shaft 1 1/2"	
				End plug 1 1/2"	

Suction: no Size: Length: No. Threads per inch:
Strainer: yes Size: 10 Type: wire
Miscellaneous:

Left on 2 unit off

5-24-77

start pump, screen plugged up with rock

MAINTENANCE

MAY 18 2000

MAINT

WELL TEST DATA

Well Depth Before Test

Well Depth After Test

Casing Size and Length

Liner, Size and Length

Discharge Pipe Size

Orifice Size

[illegible]

TOTAL P.03

1992年12月20日

U. P. L.

11/12/99

I Cleo B. Wilding son of Ben R. Wilding
give permission to release the
records on the pump in Clark county
to Ted Lorenson.

attachent
4

Thank you
Cleo B. Wilding

MICROFILMED

MAY 18 2000

PYMT 07JUL81 02JUL81
PYMT 08JUN81 04JUN81
PYMT 15OCT80 13OCT80
PYMT 04SEP80 03SEP80
PYMT 06AUG80 05AUG80
PYMT 07JUL80 03JUL80

(BATCH 00001) (OFFICE CODE 051)
(BATCH 00002) (OFFICE CODE 051)
(BATCH 00002) (OFFICE CODE 051)
(BATCH 00001) (OFFICE CODE 051)
(BATCH 00002) (OFFICE CODE 051)
(BATCH 00002) (OFFICE CODE 051)

6431.01-
185.49-
5810.84-
5399.76-
2615.88-
6303.18-

CUSTOMER INFO:

WILDING BEN R
CUST # 000 CK DGT 9 IDAHO TAX Y,0
SEGMENT DATE 01DEC83 INTEREST Y,0
BILLING STATUS SDC,5 CREDIT CODE 2
CONNECT DATE 20SEP83 BY SUCCESSOR N,1
TAX CODE Y,2 SPECIAL HANDLE RB,3

L.F.B. COPIES 000
BUYING 0
UP&L EMPLOYEE N,0
ESTIMATING Y,0
QUANTITY BILLS 1

DISCONNECT DTE 24OCT83
KIND/REFERENCE

READ MESSAGE

ACCT BALANCE 4871
ARREARS 1 44
ARREARS 2 308
ARREARS 3 4470
NOTICE HISTORY:JFMAMJJ
RRRRR DSRRRR 1111104

MAILER:

DBA 1 350 HP PUMP

LAST CHANGED 16JUN80

MICROFILMED
MAY 18 2000

11/09/99

STP0680A

CUSTOMER DATA BASE PRINT

SEG	BILLED/	*DATE:	METR=READDATE,	PYMT=PAYMENT DATE,	TRAN=TRANDATE,	READ=READDATE,	ADSB=READDATE,	DMND=READDATE,	CHNG=EFE									
TYPE	SEGMENT	REVENUE	MSG	DAY	RT	CODE	ID	READING	KWH	KW	SALES TAX	FRANCHISE TAX	AMOUNT	MID- FRID	VOT DIS	OC NB		
ADSB	31MAR82	21MAR82	000	000	002	RIN	00.0	00000	000000000	00000.0000	0.00	0.00	110.84		N	000		
		21MAR82	000	071	41.0	00.0		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
METR	02MAR82	02MAR82	000	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410	N	99-		
		02MAR82	000	039														
ADSB	02MAR82	21FEB82	000	000	002	RIN	00.0	00000	000000000	00000.0000	0.00	0.00	109.75		N	000		
		21FEB82	000	071	41.0	00.0		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
METR	29JAN82	29JAN82	000	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410	N	99-		
		29JAN82	000	039														
ADSB	29JAN82	21JAN82	000	000	002	RIN	00.0	00000	000000000	00000.0000	0.00	0.00	108.68		N	000		
		21JAN82	000	071	41.0	00.0		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
METR	31DEC81	31DEC81	000	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410	N	99-		
		31DEC81	000	039														
ADSB	31DEC81	28DEC81	000	000	002	RIN	00.0	00000	000000000	00000.0000	0.00	0.00	107.58		N	000		
		28DEC81	000	071	41.0	00.0		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
ADSB	04DEC81	04DEC81	000	000	004	RRF	B21	00000	000000000	00000.0000	0.00	0.00	279.35-		N	000		
		04DEC81	000	067	42.0	22.1		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
ADSB	04DEC81	04DEC81	000	000	004	RRI	B21	00000	000000000	00000.0000	0.00	0.00	11.17-		N	000		
		04DEC81	000	091	41.3	22.1		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
METR	30NOV81	30NOV81	000	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410	N	99-		
		30NOV81	000	039														
ADSB	30NOV81	21NOV81	000	000	002	RIN	00.0	00000	000000000	00000.0000	0.00	0.00	109.40		N	000		
		21NOV81	000	071	41.0	00.0		(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)						
READ	28OCT81	26OCT81	00			RKH		07937.0000	(EMP # 10287)		(STATUS 0)			2410				
		26OCT81	000			09.4												
READ	28OCT81	26OCT81	00			RWW		00000.0000	(EMP # 10287)		(STATUS 0)			2410				
		26OCT81	000			09.5												
READ	08OCT81	14SEP81	00			DKW		00000.0000	(EMP # 00918)		(STATUS 0)			2410				
		14SEP81	000			04.0												
READ	30SEP81	25SEP81	DB			RKH		07937.0000	(EMP # 10287)		(STATUS 3)			2410				
		25SEP81	400			09.4												
READ	30SEP81	25SEP81	DB			RWW		00000.0000	(EMP # 10287)		(STATUS 3)			2410				
		25SEP81	400			09.5												
PYMT	18SEP81	16SEP81						(BATCH 00001)	(OFFICE CODE 051)				3000.00-					
	20AUG81	19AUG81						(BATCH 00001)	(OFFICE CODE 051)				3000.00-					
TRAN	19AUG81	19AUG81				TSF BTO		(BATCH 00000)	(CROSS REF 188910800 002)				3000.00-					
		19AUG81				43.0 47.0		OFFICE=	000									
CHNG	17JUL81	17JUL81				402		(CHANGE DATA	10.0000)					2410				
		17JUL81																
TRAN	15JUL81	15JUL81				GOL		(BATCH 00443)	(CROSS REF 000000000 000)				6431.01					
		15JUL81				60.0 00.0		OFFICE=	051									

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ADSB	25MAY82	18MAY82	000	039	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #	)	0	
		24JUN81	033	004	ADM	H14	06683	000155520	00290.0000	0.00	0.00	4970.62	2410 N 000
ADSB	25MAY82	18MAY82	000	039	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #	)	0	
		22MAY81	001	004	ADM	H14	06035	000005040	00283.0000	0.00	0.00	181.29	2410 N 000
	25MAY82	18MAY82	000	039	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #	)	0	
CHNG					402		(CHANGE DATA		38.0000)			2410	
	25MAY82	25MAY82											
METR	30APR82	30APR82	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410 N 99-
		30APR82	000	039								0	
ADSB		01MAY82	000	002	RIN		00000	000000000	00000.0000	0.00	0.00	111.94	N 000
	30APR82	01MAY82	000	071	41.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)	0	
CHNG					101		(CHANGE DATA		151810.0000)			0	
	14APR82	14APR82											
METR	31MAR82	31MAR82	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410 N 99-
		31MAR82	000	039								0	

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SEG TYPE	BILLED/ SEGMENT	*DATE: REVENUE	METR=READDATE MSG	PYMT=PAYMENT DATE DAY	TRAN=TRANDATE RT	READ=READDATE CODE	ADSB=READDATE ID	DMND=READDATE READING	CHNG=EFE KWH	OC KW	Sales TAX	FRANCHISE TAX	AMOUNT	MID- FRID	VOT DIS	OC NB
ADSB	24NOV82	19NOV82	000	039	11.1	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 1)	(SERVICE ORDER #	0				0	000
	01NOV82	000	002	RIN	00000	000000000	00000.0000	0.00	0.00	13.34						
	29OCT82	01NOV82	000	071	41.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	0				0	
METR	29OCT82	25OCT82	14	031	004			00229	000000000	00000.0000	0.00	0.00	213.94	2410	N	99-
	01NOV82	014	039												0	
ADSB	30SEP82	24SEP82	000	028	004	RNW	00229	000153600	00000.0000	0.00	0.00	3134.75-	2410	N	000	
	01OCT82	000	102	81.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
METR	30SEP82	24SEP82	000	028	004			00229	000153600	00283.0000	0.00	0.00	4975.18	2410	N	99-
	01OCT82	000	039												0	
ADSB	31AUG82	27AUG82	RE 900	025	004	RNW	09589	000102240	00000.0000	0.00	0.00	2125.09-	2410	N	000	
	01SEP82	900	102	81.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
METR	31AUG82	27AUG82	RE 900	025	004			09589	000102240	00288.0000	0.00	0.00	3712.19	2410	N	99-
	01SEP82	900	039												0	
ADSB	05AUG82	02AUG82	000	038	004	RNW	09163	000155520	00000.0000	0.00	0.00	3170.64-	2410	N	000	
	04AUG82	000	102	81.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
METR	05AUG82	02AUG82	000	038	004			09163	000155520	00288.0000	0.00	0.00	5367.47	2410	N	99-
	04AUG82	000	039												0	
READ	30JUN82	14MAY82	00 000			BEG 10.0		07937.0000	(EMP # 07913)		(STATUS 1)		2410			
ADSB	30JUN82	25JUN82	000	042	004	RNW	08515	000138720	00000.0000	0.00	0.00	2386.24-	2410	N	000	
	01JUL82	000	102	81.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
METR	30JUN82	25JUN82	000	042	004			08515	000138720	00288.0000	0.00	0.00	4818.92	2410	N	99-
	01JUL82	000	039												0	
METR	04JUN82	04JUN82	DB33 433	000	004			00000	000000000	00000.0000	0.00	0.00	0.00	2410	N	99-
	04JUN82	433	039												0	
YMT	04JUN82	02JUN82						(BATCH 00003)	(OFFICE CODE 051)			11416.57-				
READ	03JUN82	26MAY82	00 014			RKH 09.4		07937.0000	(EMP # 10287)		(STATUS 0)		2410			
READ	03JUN82	26MAY82	00 014			RWW 09.5		00001.1100	(EMP # 10287)		(STATUS 0)		2410			
ADSB	25MAY82	26AUG81	14 014	034	004	ADM H14	07937	000181440-	00298.0000-	0.00	0.00	8172.59-	2410	N	000	
	18MAY82	000	038	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
ADSB	23JUL81	000	029	004	ADM H14	07181	000119520-	00293.0000-	0.00	0.00	5278.79-	2410	N	000		
	18MAY82	000	038	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
ADSB	24JUN81	000	033	004	ADM H14	06683	000155520-	00290.0000-	0.00	0.00	6021.95-	2410	N	000		
	18MAY82	000	038	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
ADSB	22MAY81	000	001	004	ADM H14	06035	000005040-	00283.0000-	0.00	0.00	155.25-	2410	N	000		
	18MAY82	000	038	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
ADSB	26AUG81	000	034	004	ADM H14	07937	000181440	00298.0000	0.00	0.00	5568.68	2410	N	000		
	18MAY82	000	039	12.2	51.4	(ID KWH TAX Y,0)	(CUST CNT 1)	(BILL CNT 1)	(SERVICE ORDER #						0	
ADSB	23JUL81	000	029	004	ADM H14	07181	000119520	00293.0000	0.00	0.00	4025.48	2410	N	000		

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ADSB	01FEB83	01FEB83	000	000	002	RIN	00000	0000000000	00000.0000	0.00	0.00	34.85	N	000
	01FEB83	01FEB83	000		071	41.0 00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)		0	
METR	04JAN83	04JAN83		000	004		00229	0000000000	00000.0000	0.00	0.00	0.00	2410	N 99-
		02JAN83	000		039								0	
ADSB	04JAN83	02JAN83	000	000	002	RIN	00000	0000000000	00000.0000	0.00	0.00	34.53	N	000
	04JAN83	02JAN83	000		071	41.0 00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)		0	
METR	01DEC82	01DEC82		000	004		00229	0000000000	00000.0000	0.00	0.00	0.00	2410	N 99-
		01DEC82	000		039								0	
ADSB	01DEC82	01DEC82	000	000	002	RIN	00000	0000000000	00000.0000	0.00	0.00	31.75	N	000
	01DEC82	01DEC82	000		071	41.0 00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)		0	
READ	24NOV82	01NOV82	00			DKW	00000.0000	(EMP # 07913)		(STATUS 0)		2410		
			000			04.0								
ADSB		01NOV82		007	004	DKM	00229	0000000000	00000.0000	0.00	0.00	51.36	2410	N 000

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CUSTOMER DATA BASE PRINT

 *DATE: METR=READDATE, PYMT=PAYMENT DATE, TRAN=TRANDATE, READ=READDATE, ADSB=READDATE, DMND=READDATE, CHNG=EFE
 SEG BILLED/ *DATE: READ # REV TYPE BILL SALES FRANCHISE MID- VOT OC
 TYPE SEGMENT REVENUE MSG DAY RT CODE ID READING KWH KW TAX TAX TAX FRID DIS NB
 01SEP83 02SEP83 000 000 11.1 00.0 (ID KWH TAX Y,0) (CUST CNT 0) (BILL CNT 0) (SERVICE ORDER #) 0
 PYMT 12AUG83 09AUG83 (BATCH 00003) (OFFICE CODE 051) 5814.51-
 METR 03AUG83 03AUG83 000 000 00000 000000000 00000.0000 0.00 0.00 0.00 3148 N 99-
 02AUG83 000 000
 ADSB 03AUG83 02AUG83 000 002 RIN 00000 000000000 00000.0000 0.00 0.00 26.05 N 000
 02AUG83 000 071 41.0 00.0 (ID KWH TAX Y,0) (CUST CNT 0) (BILL CNT 0) (SERVICE ORDER #)
 ADSB 03AUG83 29JUL83 000 036 004 RNW 01925 000078720 00000.0000 0.00 0.00 1829.95- 2410 N 000
 03AUG83 02AUG83 000 102 81.0 00.0 (ID KWH TAX Y,0) (CUST CNT 1) (BILL CNT 1) (SERVICE ORDER #)
 READ 01JUL83 00 MIN 00000.0000 (EMP # 00000) (STATUS 0) 3148
 02AUG83 000 07.0
 METR 03AUG83 29JUL83 000 036 004 01925 000078720 00290.0000 0.00 0.00 3919.53 2410 N 99-
 02AUG83 000 039
 ADSB 30JUN83 23JUN83 000 029 004 RNW 01597 000192240 00000.0000 0.00 0.00 3890.41- 2410 N 000
 01JUL83 000 102 81.0 00.0 (ID KWH TAX Y,0) (CUST CNT 1) (BILL CNT 1) (SERVICE ORDER #)
 METR 30JUN83 23JUN83 000 029 004 01597 000192240 00290.0000 0.00 0.00 7099.51 2410 N 99-
 01JUL83 000 039
 ADSB 01JUN83 25MAY83 000 001 004 RNW 00796 000136080 00000.0000 0.00 0.00 2482.24- 2410 N 000
 01JUN83 000 102 81.0 00.0 (ID KWH TAX Y,0) (CUST CNT 1) (BILL CNT 1) (SERVICE ORDER #)
 METR 01JUN83 25MAY83 000 001 004 00796 000136080 00290.0000 0.00 0.00 5087.65 2410 N 99-
 01JUN83 000 039
 PYMT 12MAY83 09MAY83 (BATCH 00001) (OFFICE CODE 051) 3307.12-
 METR 02MAY83 02MAY83 000 004 00229 000000000 00000.0000 0.00 0.00 0.00 2410 N 99-
 01MAY83 000 039
 ADSB 02MAY83 01MAY83 000 002 RIN 00000 000000000 00000.0000 0.00 0.00 32.39 N 000
 02MAY83 000 071 41.0 00.0 (ID KWH TAX Y,0) (CUST CNT 0) (BILL CNT 0) (SERVICE ORDER #)
 PYMT 26APR83 21APR83 (BATCH 00004) (OFFICE CODE 051) 350.30-
 METR 01APR83 01APR83 000 004 00229 000000000 00000.0000 0.00 0.00 0.00 2410 N 99-
 01APR83 000 039
 ADSB 01APR83 01APR83 000 002 RIN 00000 000000000 00000.0000 0.00 0.00 35.54 N 000
 01APR83 000 071 41.0 00.0 (ID KWH TAX Y,0) (CUST CNT 0) (BILL CNT 0) (SERVICE ORDER #)
 METR 03MAR83 03MAR83 000 004 00229 000000000 00000.0000 0.00 0.00 0.00 2410 N 99-
 01MAR83 000 039
 ADSB 03MAR83 01MAR83 000 002 RIN 00000 000000000 00000.0000 0.00 0.00 35.19 N 000
 03MAR83 000 071 41.0 00.0 (ID KWH TAX Y,0) (CUST CNT 0) (BILL CNT 0) (SERVICE ORDER #)
 METR 01FEB83 01FEB83 000 004 00229 000000000 00000.0000 0.00 0.00 0.00 2410 N 99-
 01FEB83 000 039

2000
 8 2000
 8 2000

TRANSACTION	DATE	TIME	UNIT	PRICE	AMOUNT	TAX	TOTAL	STATUS	REMARKS	DATE	TIME	UNIT	PRICE	AMOUNT	TAX	TOTAL	STATUS	REMARKS
METR	06SEP83	04SEP83	000	039	00000	000000000	00000.0000	0.00	0.00	0.00	3148	N	0	99-				
READ	02SEP83	29AUG83	00	000	02637.0000	(EMP # 10287)	(STATUS 0)				2410							
READ	02SEP83	29AUG83	00	000	00001.2100	(EMP # 10287)	(STATUS 0)				2410							
READ	02SEP83	29AUG83	00	000	00075.0000	(EMP # 10287)	(STATUS 0)				3148							
READ	02SEP83	29AUG83	00	000	00001.2100	(EMP # 07913)	(STATUS 0)				2410							
READ	01SEP83	29AUG83	00	000	00300.0000	(EMP # 00000)	(STATUS 1)				2410							
ADSB	01SEP83	29AUG83	000	031 004	02636	000170640	00290.0000	0.00	0.00	6423.99	2410	N	000					
ADSB	01SEP83	29AUG83	000	031 004	02636	000170640	00000.0000	0.00	0.00	4069.25-	2410	N	000					
ADSB	01SEP83	29AUG83	000	000 000	00000	000000000	00000.0000	0.00	0.00	0.00	3148	N	000					

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CUSTOMER DATA BASE PRINT

PREMISE:DIST # ACCOUNT #
0151810 2189-01800

ADDRESS

TOWN	LOW ZIP	3,52	PRECALCUTED	N,0	SEASONAL USE
MONT	SUP ZIP	0000	# APARTMENTS	000	AIR CONDITION
369	EARNING POINT	6904	DWELLING CODE	000	KIND SERVICE
	UPDTE LOCKOUT	6	UNIT/BUILDING	000	LAST CHANGED
	IRREGULAR USE	N,0	SUPP ENERGY	,0	# OF WIRES
	TYPE SERVICE	P,0	ELECTRIC HEAT	,0	

THE FOLLOWING SEGMENTS ARE NOT ATTACHED TO ANY CUST

READ	24OCT83	00	REG	02636.0000	(EMP # 10799)	(STATUS 0)	2410
	27OCT83	014	01.0				
READ	24OCT83	00	RKW	00000.0000	(EMP # 10799)	(STATUS 0)	2410
	27OCT83	014	01.0				
READ	24OCT83	00	DKW	00000.0000	(EMP # 07913)	(STATUS 0)	2410
	25OCT83	000	04.0				
READ	24OCT83	00	RWW	00300.0000	(EMP # 00000)	(STATUS 1)	2410
	25OCT83	000	09.5				

CUSTOMER 000 WILDING BEN R
BILLING HISTORY FOR CUSTOMER:

SEASONAL KINDOFBUS MESSAGE SHED

SEG	BILLED/	*DATE:	METR=READDATE,	PYMT=PAYMENT DATE,	TRAN=TRANDATE,	READ=READDATE,	ADSB=READDATE,	DMND=READDATE,	CHNG=EFE							
TYPE	SEGMENT	*DATE	READ	#	REV	TYPE	BILL			SALES	FRANCHISE	MID- VOT				
		REVENUE	MSG	DAY	RT	CODE	ID	READING	KWH	KW	TAX	TAX	AMOUNT	FRID	DIS	OC
METR	01DEC83	01DEC83		000	004			02636	0000000000	00000.0000	0.00	0.00	0.00	2410	N	99-
		01DEC83	000		039											
METR	01DEC83	01DEC83		000	000			00000	0000000000	00000.0000	0.00	0.00	0.00	3148	N	99-
		01DEC83	000		000											
ADSB	01DEC83	01DEC83		000	002	RIN		00000	0000000000	00000.0000	0.00	0.00	47.79		N	000
		01DEC83	000		071	41.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)				
METR	31OCT83	31OCT83		000	004			02636	0000000000	00000.0000	0.00	0.00	0.00	2410	N	99-
		01NOV83	000		039											
METR	31OCT83	31OCT83		000	000			00000	0000000000	00000.0000	0.00	0.00	0.00	3148	N	99-
		01NOV83	000		000											
ADSB	31OCT83	01NOV83		000	002	RIN		00000	0000000000	00000.0000	0.00	0.00	44.70		N	000
		01NOV83	000		071	41.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)				
ADSB	24OCT83	24OCT83		028	004	DKM		02636	0000000000	00000.0000	0.00	0.00	220.18	2410	N	000
		18OCT83	000		039	11.1	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 1)	(SERVICE ORDER #	)				
ADSB	24OCT83	24OCT83		000	000	DKM		00000	0000000000	00000.0000	0.00	0.00	0.00	3148	N	000
		18OCT83	000		000	11.1	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)				
METR	30SEP83	30SEP83		000	000			00000	0000000000	00000.0000	0.00	0.00	0.00	3148	N	99-
		01OCT83	000		000											
ADSB	30SEP83	01OCT83		000	002	RIN		00000	0000000000	00000.0000	0.00	0.00	44.70		N	000
		01OCT83	000		071	41.0	00.0	(ID KWH TAX Y,0)	(CUST CNT 0)	(BILL CNT 0)	(SERVICE ORDER #	)				
METR	30SEP83	26SEP83		006	004			02636	0000000000	00000.0000	0.00	0.00	44.04	2410	N	99-
		01OCT83	000		039											
METR	06SEP83	06SEP83		000	004			02636	0000000000	00000.0000	0.00	0.00	0.00	2410	N	99-

September 4, 1999



American Pump Co.

P.O. Box 267
Ucon, ID 83454
(208) 529-4517
FAX (208) 529-4587
MOTOR SHOP (208) 542-5353

Fax: Attention Ted Sorenson 522-8223

The bowl that American Pump replaced on the Wilding Place is a 14 stage 270 and is similar to the Johnston bowls pulled and replaced. Both bowls were designed to pump approximately 2400gpm.


Nathan Hancock, pres.

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MAY 18 2000

N.P.S.H.

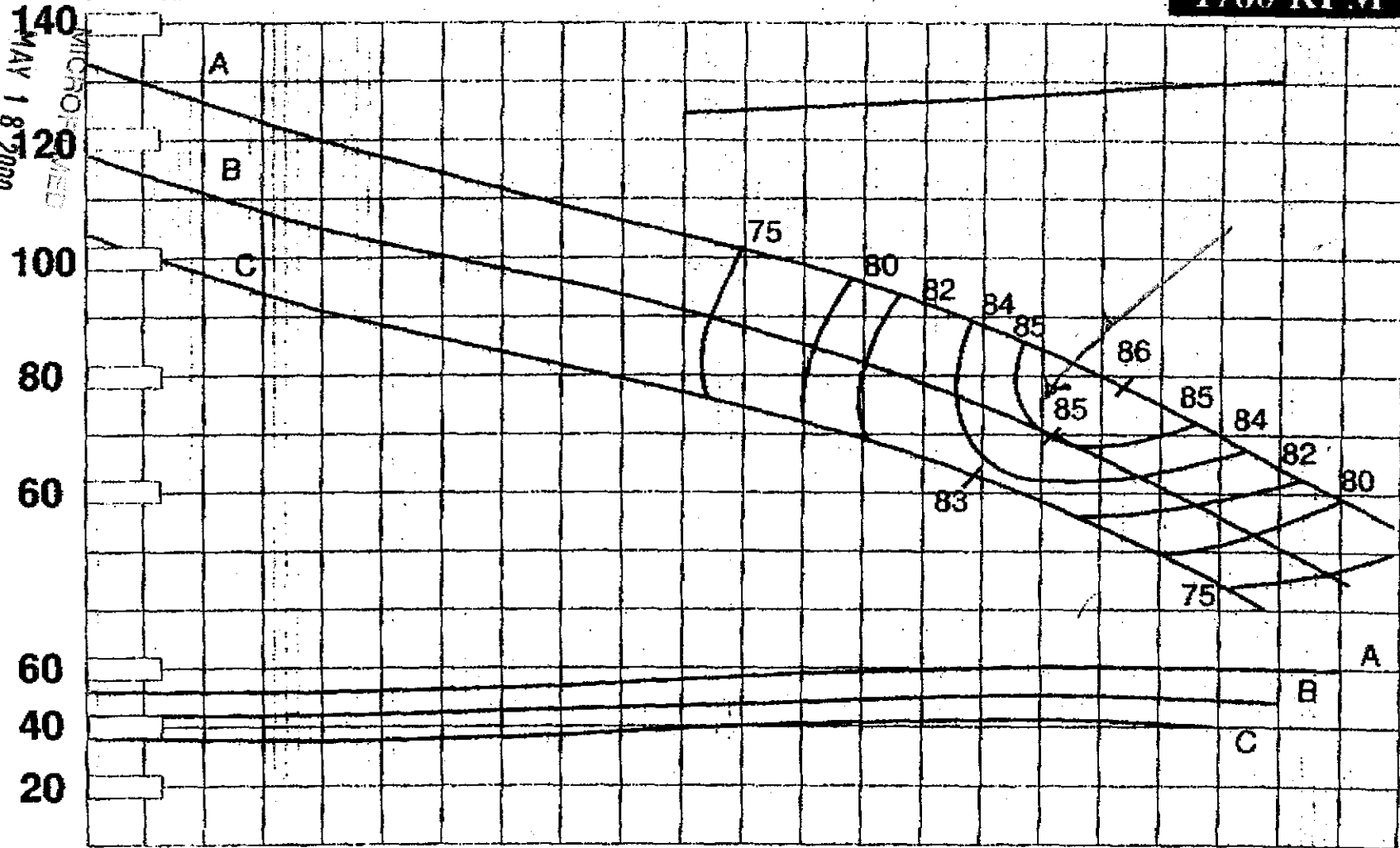
50
25
0

14-M-270
1760 RPM

Performance Curves



Number of Stages Required:



CAPACITY IN U.S. G.P.M.

0 600 1200 1800 2400 3000

140
120
100
80
60
60
40
20

HEAD IN FEET
HORSEPOWER

RECEIVED

FEB 04 2000

Department of the Interior
Bureau of Reclamation

MEMORANDUM

DATE: January 31, 2000

TO: Skip Jones

FROM: Shelley W. Keen *(SWK)*

RE: Ted Sorensen Application

I am forwarding to you the application for permit and supporting documentation recently submitted by Ted Sorensen. In my 10/8/99 letter to Mr. Sorensen I told him that I couldn't recommend amending license 32-07025, but I will recommend processing a new application for pre-1987 development if he submits good evidence.

I do have some questions about the supporting documentation submitted by Mr. Sorensen.

- Where was his system pressure reading taken? He uses 55 psi for the pump discharge pressure and the nozzle discharge pressure, but friction losses would cause them to be unequal. *pump on hill + pumps down to lines*
- How many stages are the new bowls? American Pump says 14 stages, but that appears to be twice as many as needed. Perhaps they mean 14-inch diameter. *approx 11 inch bowls - type*

Nevertheless, I think there is sufficient documentation to process the application. I recommend having Mr. Sorensen stop by the office to complete his application in ink and to submit proof of beneficial use before the application is processed. That way we can conduct the examination to confirm the system capacity as soon as he turns on in the spring.

If the permit is approved he might consider withdrawing his enlargement claim. Because its true priority is 4/12/99 against most other rights, it gets him less than six years of priority during a period when very few other rights were authorized.

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MAY 18 2000

Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404

Phone: (208) 522-8069
Fax: (208) 522-8223
e-mail: sorenson@ida.net

RECEIVED

JAN 28 2000

Department of Water Resources

January 26, 2000

Shelly Walter Keen
Water Rights Supervisor
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Re: Water Right #32-07025

Dear Mr. Keen:

This letter is written pursuant to your letter of October 8, 1999. It has taken me this long to assemble what supporting documentation I could find for this water right. This water right is currently listed for 3.95 cfs. I believe the total should be 5.35 cfs or an increase of 1.4 cfs.

Supporting Documentation

1. Original Ben Wilding irrigation system layout map, Gem State Irrigation, dated December 12, 1973
2. IDWR Field Exam of August 18, 1976
3. Back flush work order, Ben Wilding Pump for screen plugged with rock; Gem State Irrigation, dated May 23, 1977
4. Utah Power & Light Billing Records for Ben Wilding Pump from June 1981 through August 1983
5. Statement of American Pump Company September 4, 1999.

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$$\frac{1 \text{ Kw}}{.746 \text{ hp}} = \frac{290 \text{ Kw}}{X \text{ hp}}$$

Here is the evidence

1. December 12, 1973. Document #1 original sprinkler layout for Ben Wilding, December 12, 1973, listed 1157 gpm for 6.75 standard quarter mile handlines (5/32 nozzles) and one center pivot for 900 gpm for a total of 2,057 gpm or 4.6 cfs.
2. August 18, 1976. In the field exam (Document #2) conducted by IDWR on August 18, 1976, Ben Wilding listed increased quarter mile handlines to a total of 9 which work out as follows:

5/32 inch nozzle at 55 psi =	5.39 gpm per nozzle
32 heads per quarter mile line x 5.39 =	172.48 gpm per line
9 lines x 172.48 =	1552 gpm-handlines
1 pivot @ 900 gpm	900 gpm - pivot
Total	2452 gpm or <u>5.47 cfs</u>
3. May 23, 1977. Examination of document #3 work order for Ben Wilding Pump in May of 1977, shows that the pump needed back flushed because the well screen was plugged with rocks. In my opinion because the back flush was done early in the irrigation season in 1977, the well screen was partially plugged with rocks when the IDWR field exam was done in August of 1976, late in the previous irrigation season.
4. May through August 1983. Examination of Document #4, Utah Power & Light billing records for the Ben Wilding Pump shows kilowatt demand from June 1981 through August 1983 was 290 kilowatts. One kilowatt equals .746 horsepower. Therefore horsepower drawn is $290 \div 0.746 = 389$ horsepower. This correlates with the 350 horsepower main pump plus 40 horsepower booster pump shown in the 1976 field exam. The back flush work order lists a draw down water level at approximately 395 feet. Working backwards from a draw down level of 395 feet, 55 psi discharge pressure and pump efficiency of 80% yields:

$$1 \text{ Kw} = 1.34 \text{ hp}$$

$$\begin{aligned}\text{Horsepower} &= \frac{\gamma Q H}{e(550)} \\ \gamma &= \text{weight of water} = 62.4 \text{ lb/ft}^3 \\ Q &= \text{flow} = ? \text{ ft}^3/\text{sec} \\ H &= \text{Head} = 395 + 55 (2.31) = 522.05 \text{ ft} \\ E &= \text{pump efficiencies} = .8 \\ \text{Horsepower} &= 290/.746 = 388.74 \\ \text{Therefore } 388.74 &= \frac{(62.4)(Q)(522.05)}{(.8) 550} \\ Q &= \underline{5.25 \text{ cfs}}\end{aligned}$$

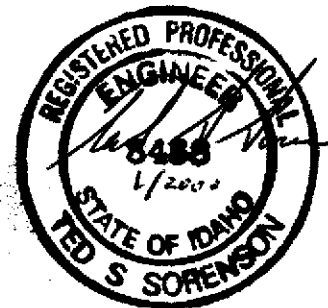
This to me is conclusive evidence of the pump output in the 1981 to 1983 period. I was unable to obtain any power records prior to 1981.

5. September 4, 1999. Document #5 is a statement from American Pump Company. They replaced the original well pump bowls with new ones at the same capacity as the originals at 2400 gpm or 5.36 cfs. The pump motor reused was US Motor Serial #D-0700411. This was the same motor present during the 1976 field exam and 1977 back flush.
6. Conclusion. Obviously I would prefer to have the current water right amended to the 5.35 cfs. However, you may feel that there is not a direct measurement in the 1970s. A direct measurement i.e. the power consumption beginning May 1981 exists. I would request your consideration amending the existing permit to 5.35 cfs. Absent that I have attached a new water right filing for the difference or 1.4 cfs.

Very truly yours,



Ted S. Sorenson, P.E.



Enclosure

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