

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

RECEIVED

JUL 26 2007

DEPARTMENT OF
WATER RESOURCES

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. 21-7566 Telephone No. 208-542-6382
2. Name of Permit Holder(s): STEVEN & CAROL BURK
3. Mailing Address: 1920 MALIBU DR.
City IDAHO FALLS State IDA Zip 83404
4. Source of Water: HATCHERY STREAM If GROUNDWATER (well), Date Drilled: mo. _____ / yr. _____
Well Driller: _____ Drilling Permit Number: _____
5. Use(s) (as authorized by the water right permit): MICRO-HYDRO POWER GENERATION
Domestic (No. of households): _____ Stockwater (No. and type of stock): _____
Irrigation (No. of acres): _____ Other: _____
6. Total rate of diversion and/or volume for which proof is submitted: 6.00 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 _____
8. Fee Enclosed: \$ _____ (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: STEVE BURK Telephone Number: (208) 542-6382
Address: 1920 MALIBU DR., IDAHO FALLS, ID. 83404 (cell-521-9560)
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: Steven Burk Date: July 23, 2007
(include your title, if on behalf of company or organization)

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 21-97566

Proposed Priority: September 2, 1997 Maximum Diversion Rate: 6.00 CFS

This is to certify, that STEVEN BORK
CAROL BORK
979 E EVENING STAR LN
TEMPE AZ 85283

has applied for a permit to appropriate water from:
UNNAMED STREAM tributary of HENRY'S LAKE

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

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION
POWER	01/01 to 12/31	6.00 CFS

LOCATION OF POINT(S) OF DIVERSION: NWSE Sec. 30, Township 16N, Range 43E
PREMONT County

PLACE OF USE: POWER
TWR SCE SEC
16N 43E 33

NWSE

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before November 1, 2002.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. Use of water under this water right shall be regulated by the watermaster of State Water District No. 01.
5. The rights for the use of water acquired under this right shall be junior and subordinate to all other rights for the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this right and shall not give rise to any claim against any future rights for the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
6. This right is subject to the provisions of Sections 42-205 through 42-310, Idaho Code, restricting the sale, transfer, assignment, or mortgage of this right. Failure to comply with these provisions is cause for immediate cancellation of this right.
7. This right does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.

SEP 20 1997

Ryan Mitchell



1801' adjudication use Stream Reservoir
infant use 21-12384
Sally Sherman
Carter Fretchler
Fretchler
State of Idaho *service*
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

I Falls Roger Warner irrigation office
Carmie Carlson October 15, 2002

DIRK KEMPTHORNE
Governor
KARL J. DREHER
Director

adjudication I Falls office
STEVEN BURK
CAROL BURK
1920 MALIBU DR
IDAHO FALLS ID 83404

RE: PERMIT NO. 21-07566

Dear Permit Holder:

Enclosed is a copy of the approved request for extension of time submitted in connection with the above referenced permit which extends the time within which to submit proof of beneficial use of water to **November 1, 2007**.

Please note that the department granted this extension based on **due diligence**. It is important that you work diligently toward the completion of this project during the construction period allowed since the department **may not** be able to grant additional extensions based on due diligence.

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. Please contact any office of the department for the proper form to file a change of ownership of a water right and/or a change in the address of the owner.

Please feel free to contact the department if you have questions.

Talk about:
Feb. Power gen. Agency?

Sincerely,
Deborah J. Gibson
Deborah J. Gibson
Administrative Assistant
Water Allocation Bureau

Enclosure
c: IDWR - Regional Office

321 1000 1000 1000

APPROXIMATING WATER FLOW

It is possible to approximate water flow from horizontal or vertical pipes when it is not practical to use flow meters or other measuring devices. This can be done by measuring to

the top of the flowing stream, always measuring the horizontal distance "X" in inches as illustrated, and determining the flow from the chart shown below.

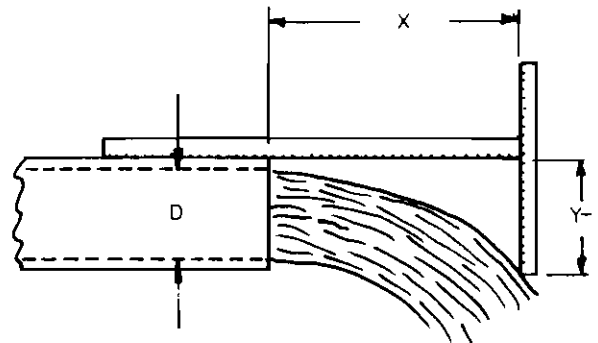
**APPROXIMATE CAPACITY, GPM,
FOR FULL FLOWING HORIZONTAL PIPES**

**Std. Wt. Steel
Pipe, Inside
Dia., In.**

Distance x , in., when $y = 12''$

$$2^3 = 3256 \text{ ft}^3$$

Nominal	Actual	12	14	16	18	20	22	24	26	28	30	32
2	2.067	42	49	56	63	70	77	84	91	98	105	112
2½	2.469	60	70	80	90	100	110	120	130	140	150	160
3	3.068	93	108	123	139	154	169	185	200	216	231	246
4	4.026	159	186	212	239	266	292	318	345	372	398	425
5	5.047	250	292	334	376	417	459	501	543	585	627	668
6	6.065	362	422	482	542	602	662	722	782	842	902	962
8	7.981	627	732	837	942	1047	1150	1255	1360	1465	1570	1675
10	10.020	980	1145	1310	1475	1635	1800	1965	2130	2290	2455	2620
12	12.000	1415	1650	1890	2125	2360	2595	2830	3065	3300	3540	3775

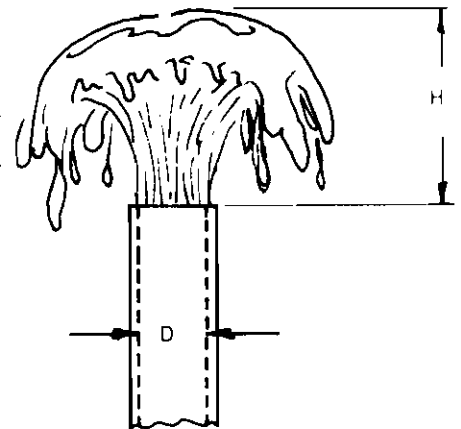


**APPROXIMATE CAPACITY, GPM,
FOR FULL FLOWING VERTICAL PIPES**

Nominal

Vertical Height, H , of Water Jet, in.

I.D. Pipe, in.	3	3.5	4	4.5	5	5.5	6	7	8	10	12
2	38	41	44	47	50	53	56	61	65	74	82
3	81	89	96	103	109	114	120	132	141	160	177
4	137	151	163	174	185	195	205	222	240	269	299
6	318	349	378	405	430	455	480	520	560	635	700
8	567	623	684	730	776	821	868	945	1020	1150	1270
10	950	1055	1115	1200	1280	1350	1415	1530	1640	1840	2010

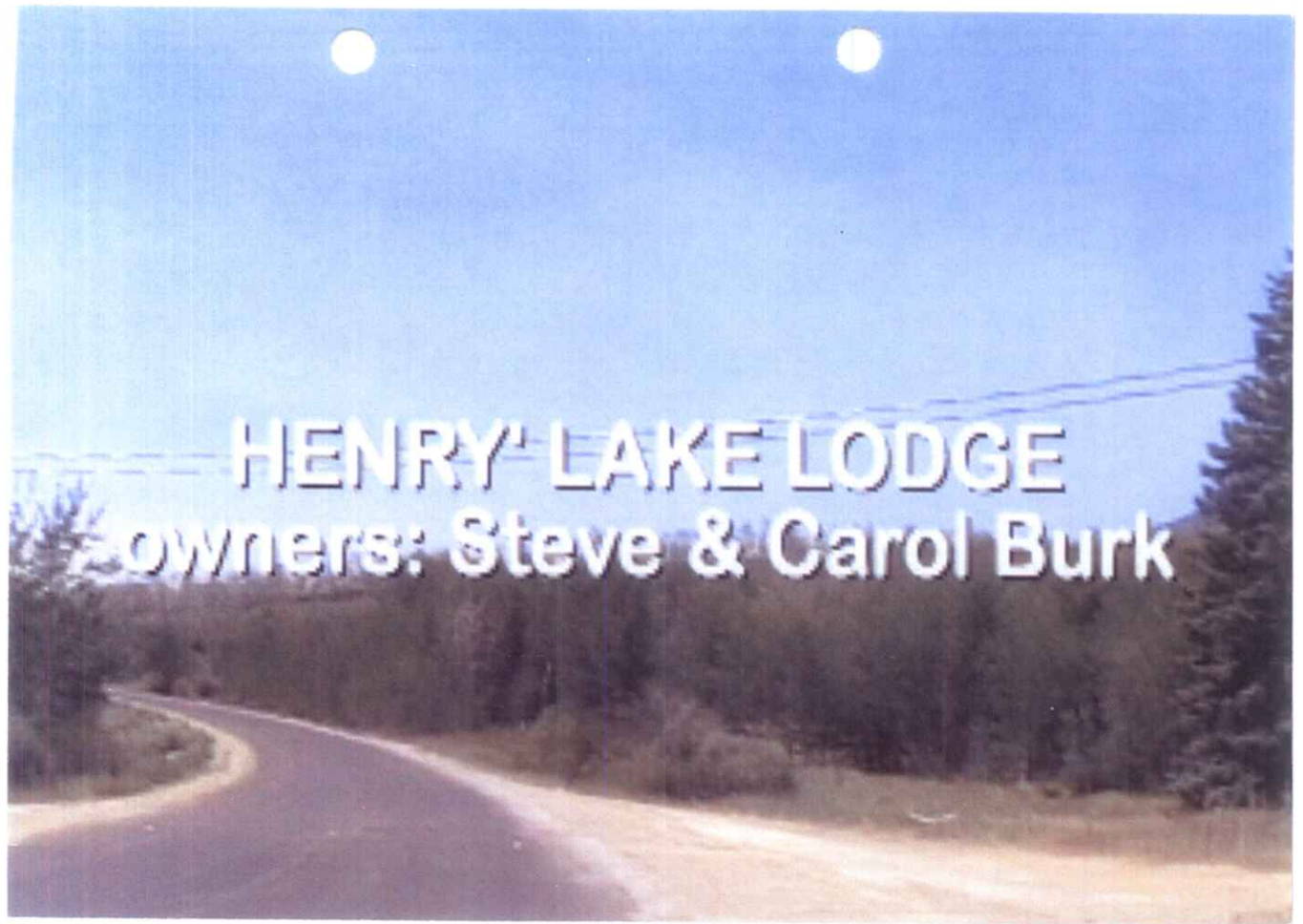


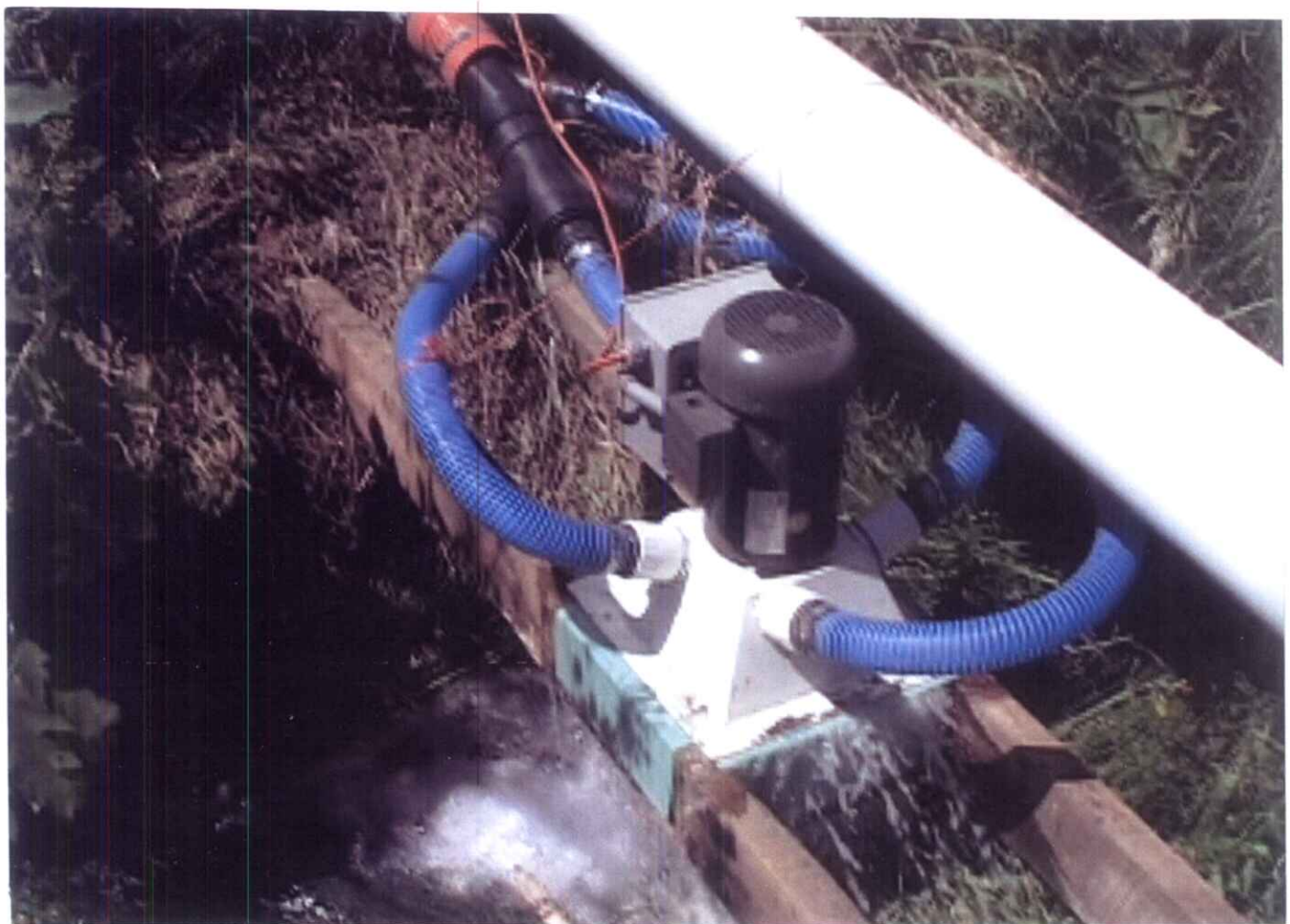
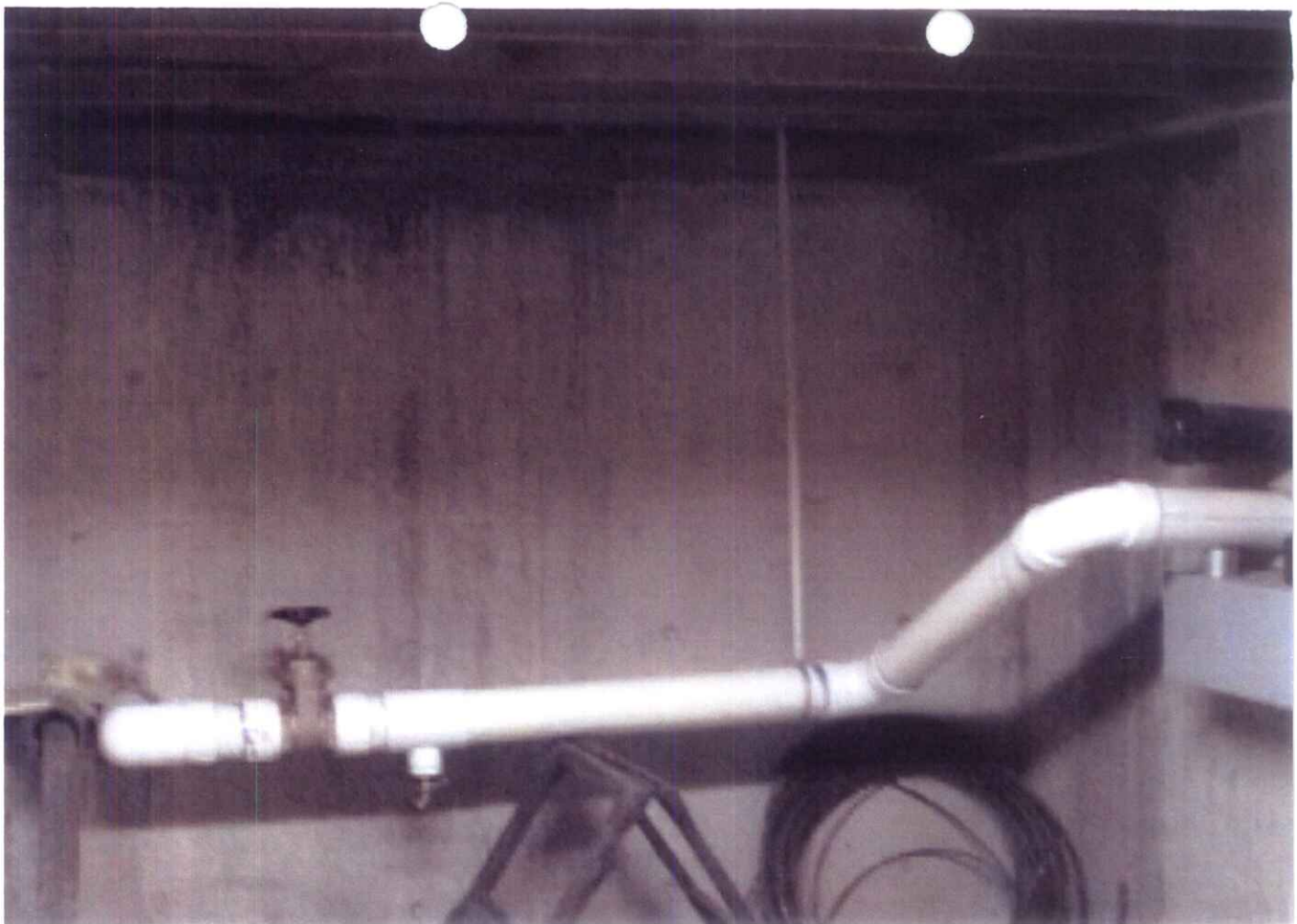
The accuracy of these methods will vary up to 10%. The pipe must be flowing full.

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DEPARTMENT OF WATER RESOURCES

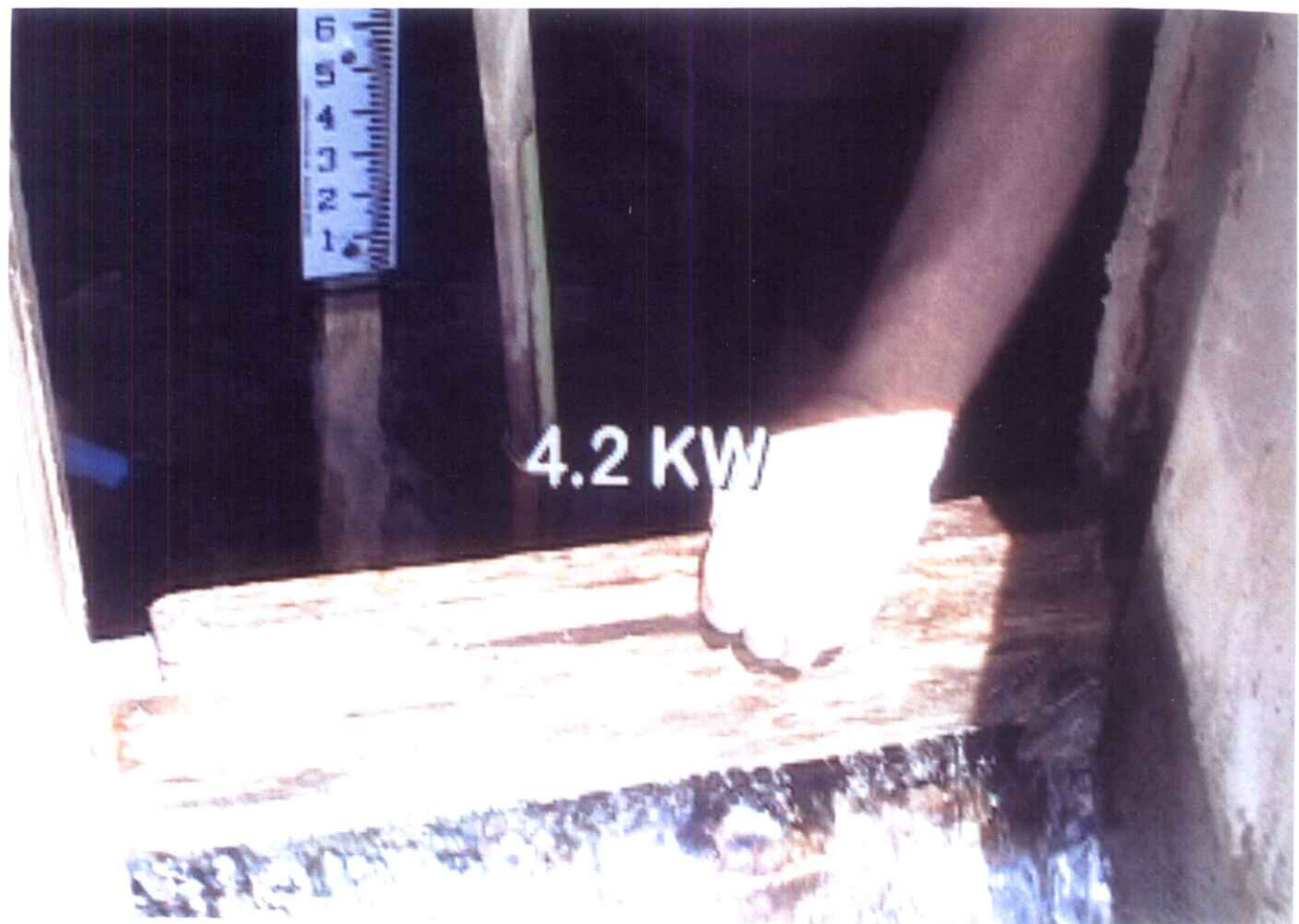
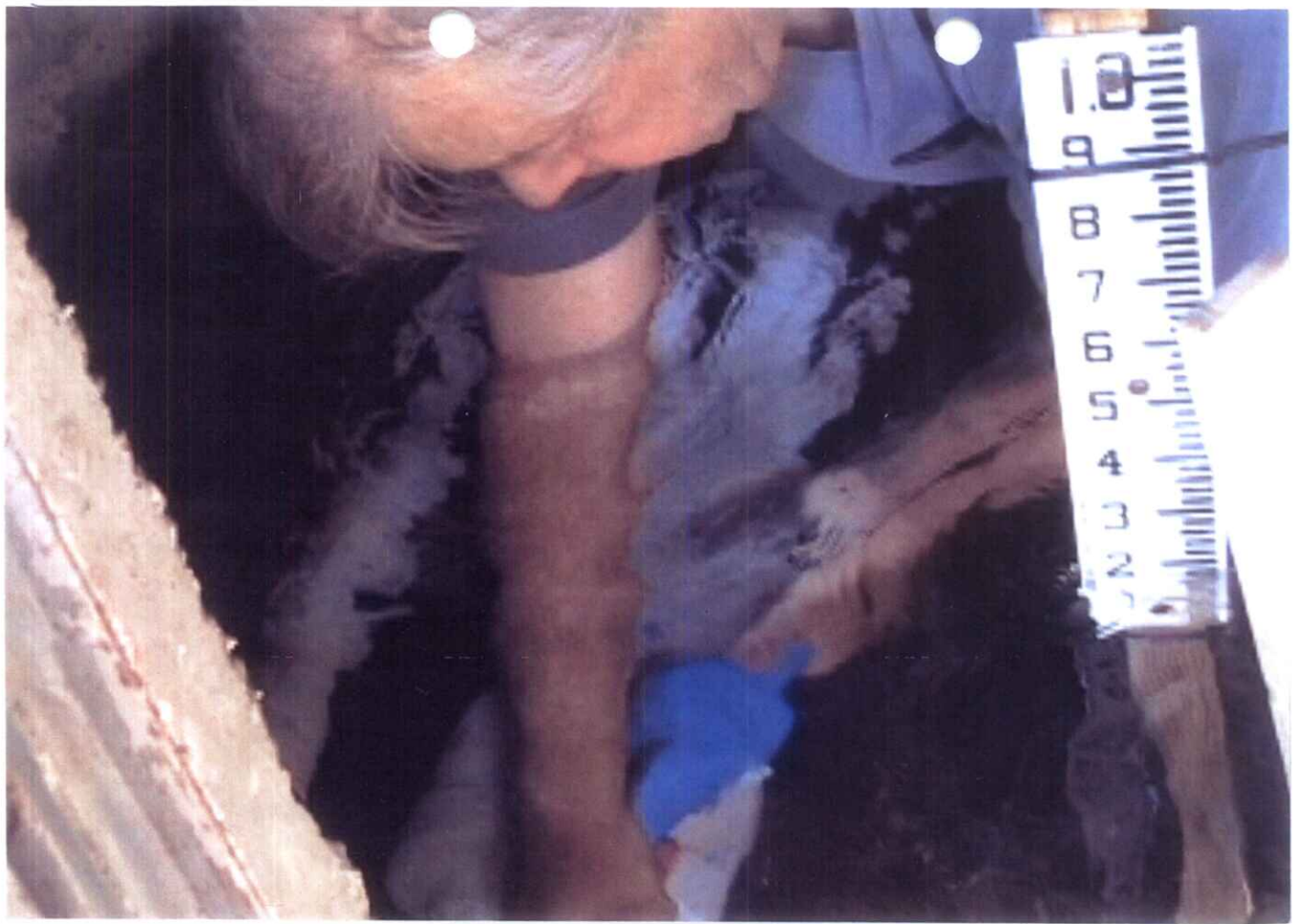


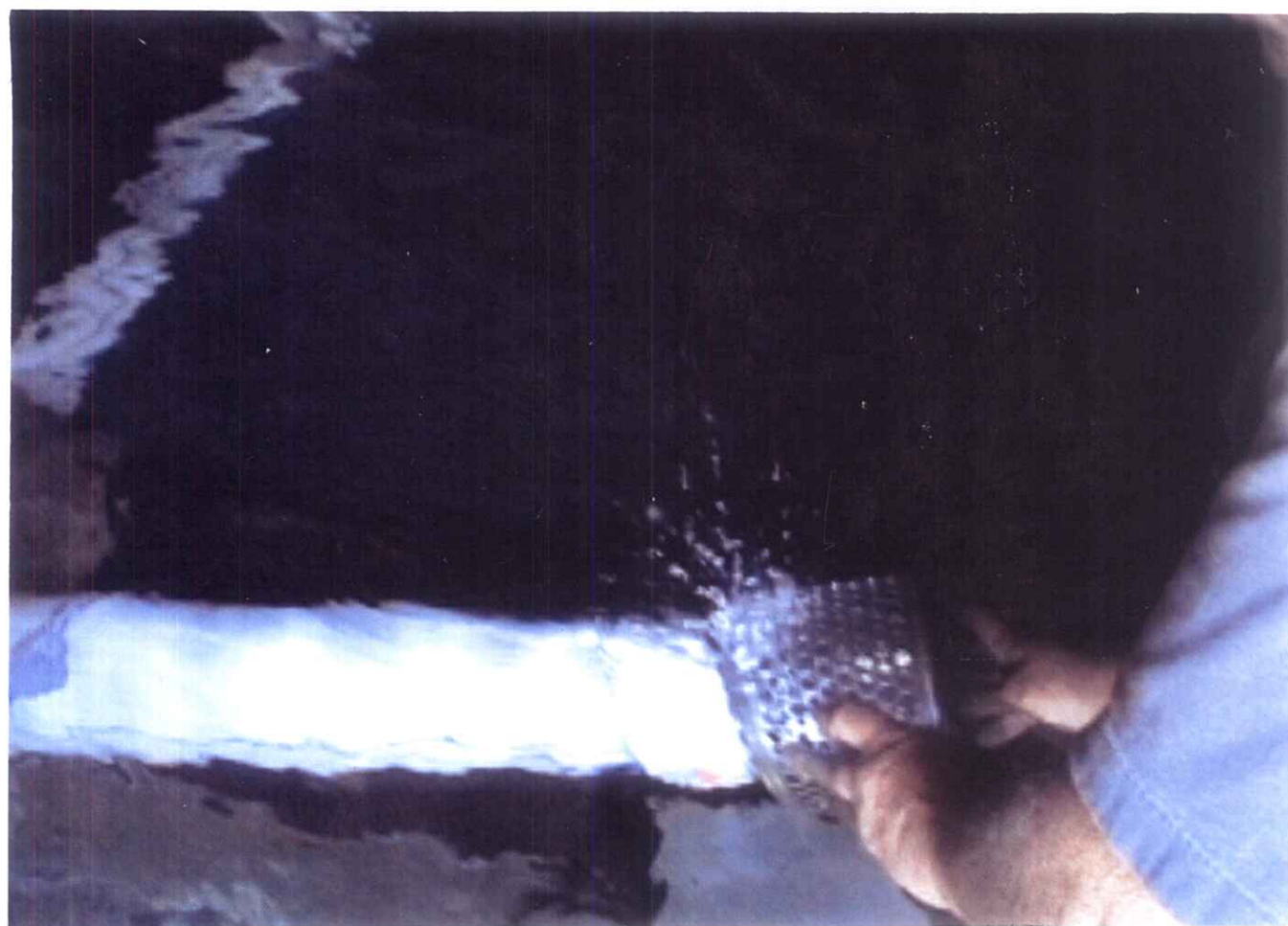
Re: permit No. 21-07566

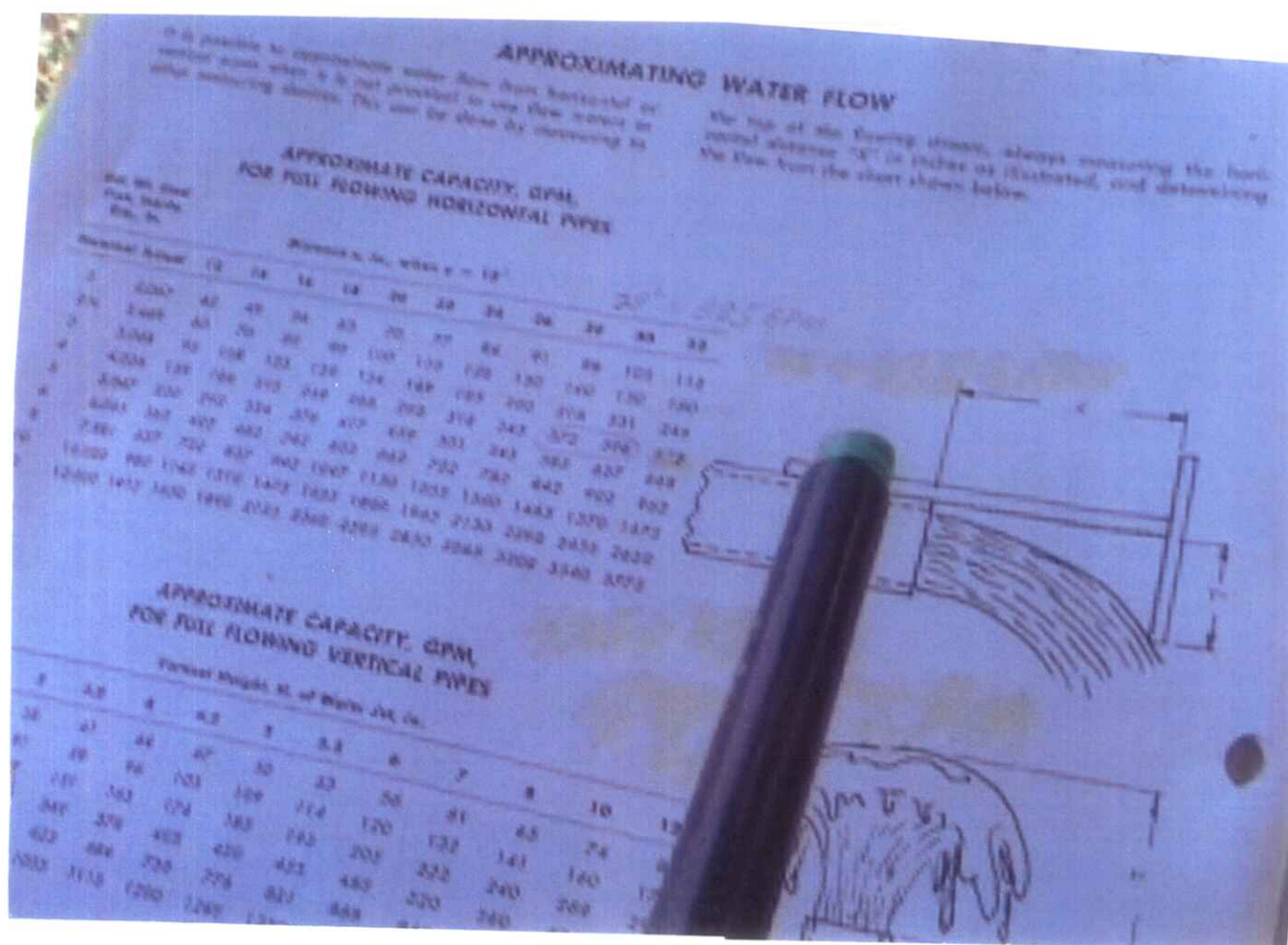
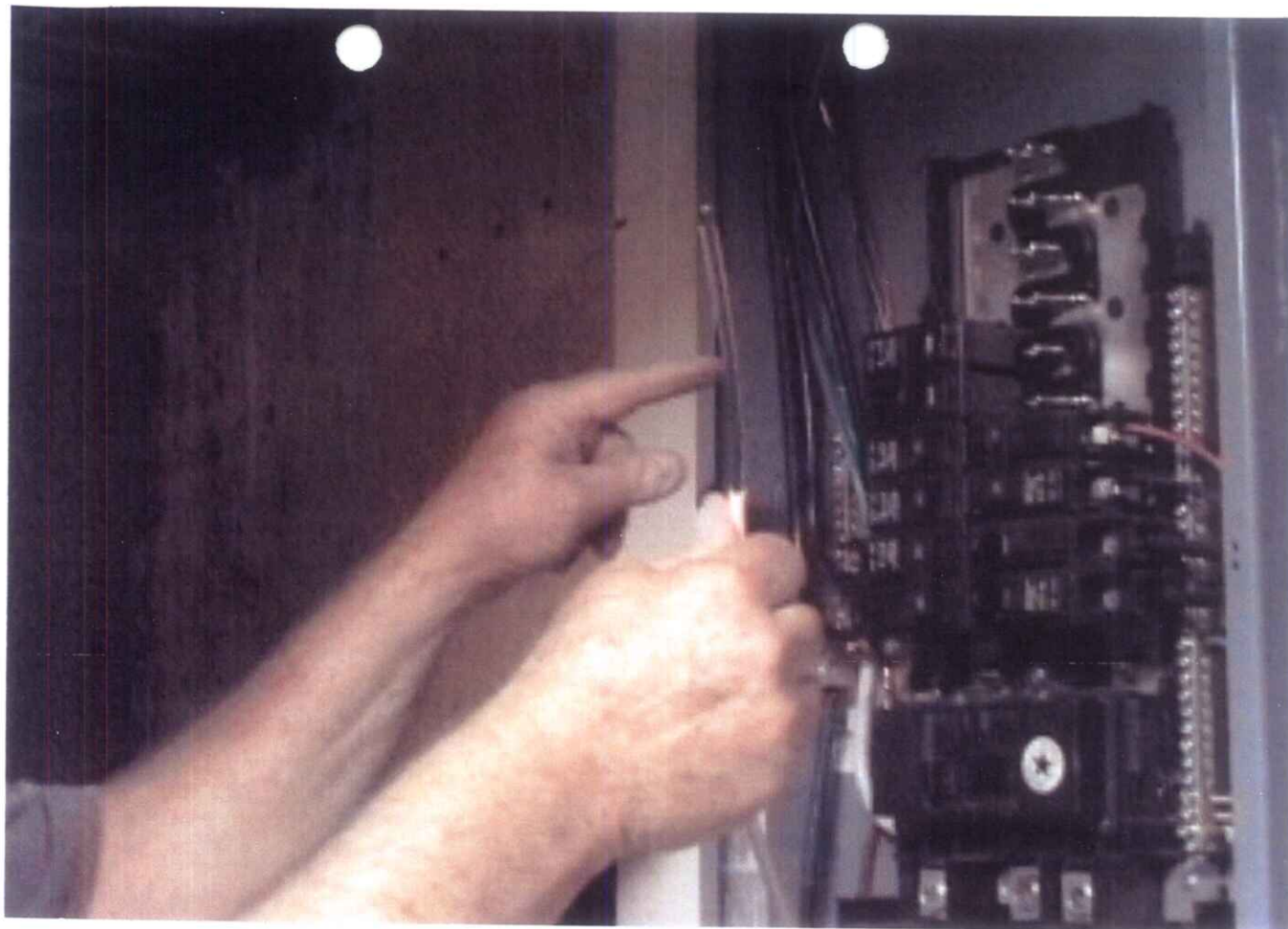














We Extend our sincere Thanks to...

Joe Hartvigsen
Layton, UT
ENGINEERING

Hartvigsen-Hydro
SUPPLIER: TURGO, MOTOR and
Joe@h-hydro.com

And
Richard Harker, Rexburg ID
CONSTRUCTION and TECHNICAL ADVICE

rharker4u@yahoo.com

