

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9482

Exam Date: 4/2/2008

1. Current Owner: LODGE HAVEN WATER CO LLC
612 OLD HOUSE RD
ATHOL ID 83801
(208)683-0725

2. Accompanied by: **Ken Burch**

Phone No: **Same**Address: **Same**Relationship to Permit Holder: **Owner**

3. **SOURCE** **TRIBUTARY**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **None**
2. Other water rights with the same point of diversion: **None**

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW1/4NE1/4NW1/4 Sec. 35, Twp 54N,Rge 03W, B.M. BONNER County

Method of Determination: **GPS W 116°40.182 N 47° 59.489 and Map**

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
54N 03W 35					X												

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
54N 03W 35					8.0												8.0

Total Acres: 8

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
D0005092	4/12	1.5	4/12	4/12	4/12

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 95-9482						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1.5	320.0816327	0.8	216	45
Q =	0.033 cfs 14.8 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4 \text{ ac} \times 3 \text{ AF} = 12 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 12.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic} = 8 \text{ homes} \times 0.6 \text{ AF} = 4.8 \text{ AF}$$

$$\text{Irrigation} = 4 \text{ ac} \times 3 \text{ AF} = 12 \text{ AF}$$

$$\text{TOTAL VOLUME} = 16.8$$

G. NARRATIVE/REMARKS/COMMENTS

This water system is piped to eight homes and each home site will have 1/2 acre of irrigation. The permit was for eight acres of irrigation, due to the amount of water from the well is low the irrigation lot size will be limited to a total of four acres on the license. I spoke with the owner Ken Burch a bought the deduction of irrigation and he was in compliance with the 1/2 acres lots.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.030 CFS	4.80 AF
IRRIGATION	04/01 to 10/31	0.030 CFS	12.00 AF
<u>Totals:</u>		0.030 CFS	16.80 AF

2. Recommended Amendments

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

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

I. AUTHENTICATION

Field Examiner's Name [Signature] Date 4-23-2008

Reviewer [Signature] Date 4/25/08

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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

1. WELL TAG NO. D 40725
DRILLING PERMIT NO. 839006
Water Right or Injection Well No. _____

2. OWNER:
Name KEN BURCH
Address 602 OLD HOUSE RD
City ATHOL ID State _____ Zip 83858

3. LOCATION OF WELL by legal description:

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

Twp. 54 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 35 NE 1/4 NW 1/4 NW 1/4
Gov't Lot _____
County BONNER
Lat: _____ Long: _____
Address of Well Site SAME AS ABOVE
City ATHOL

(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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	24	350 lbs	TEMP 8"

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 239'

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	239	250	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method FACTORY AIR PERFORATOR
Screen Type & Method of Installation NONE

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
223	233	1" x 1/2"	100	6	STEEL	☒	☐
241	251	1" x 1/2"	130	6	"	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

214 ft. below ground 214 Artesian pressure 0 lb.

Depth flow encountered 240 ft. Describe access port or control devices:

STEEL PLATE

95-9482

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
147	UNKNOWN	260	8 HRS

Water Temp. COLD Bottom hole temp. COLD

Water Quality test or comments: GOOD

Depth first Water Encounter 216

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
8"	0	6	CLAY		☒
	6	14	" + GRAVEL		☒
	14	21	BOULDER		☒
6"	21	135	CLAY + GRAVEL DAMP		☒
	135	201	GRAVEL + COARSE SAND		☒
	201	216	" + CLAY		☒
	216	236	GRAVEL - WATER	☒	☒
	236	240	GRANITE BOULDERS	☒	☒
	240	302	"		☒

RECEIVED

MAY 16 2006

IDWR/North

Completed Depth 270 + (Measurable)

Date: Started 4/19/06 Completed 5/5/06

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 BRAND X WATER WELLS Firm No. 289

Principal Driller Linden Coman Date 5/7/06

Driller or Operator II _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.



POU 1 .JPG



POD.JPG



D0005092 POD.JPG



FLOW.JPG



PSI.JPG



POU 7 homes.JPG

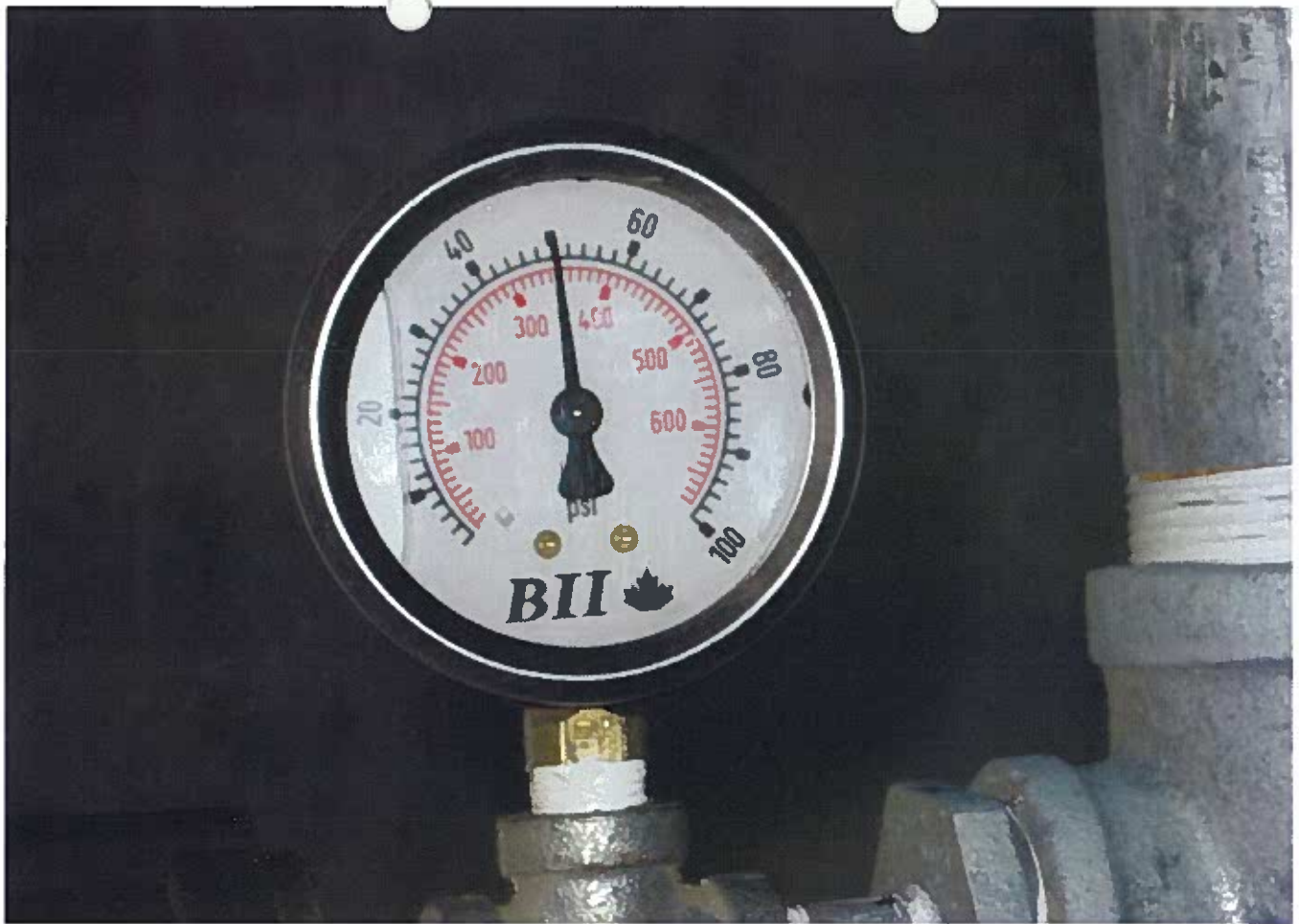
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LODGE HAVEN RANC.
ARTER OF SECTION 35, TOWNSHIP 54 NORTH,
BONNER COUNTY, IDAHO.

30' WIDE STRIP IS HEREBY
DEDICATED TO THE PUBLIC
FOR RIGHT OF WAY PURPOSES
SEE NOTE #12



SCALE 1" = 200'
TRUE NORTH

200 100 0 200

BASIS OF BEARING

THE BEARINGS AS SHOWN HEREUPON 58°04'16"E BETWEEN 1 AND THE 1/4 CORNER COMMON AND 26 AS SHOWN ON A SURVEY RECORDED JUNE 29, 1999 AT RECORDS OF BONNER COUNTY.

TABLE A: ON-LINE REFERENCE

DESIGNATION	DISTANCE LOT CORNER
A	16.27
B	25.24
C	15.61
D	24.74
E	27.12
F	23.29
G	22.76
H	38.00
I	38.00
J	38.00
K	38.00
L	38.00

TABLE B: EASEMENT LINE

LINE	DISTANCE	30'
L1	50.00	30'
L2	145.38	334'

LEGEND

- SET 5/8" DIA. X 30" LONG YELLOW PLASTIC CAP MARKER
- MONUMENTATION AS NOTED
- () BEARING & DISTANCE PER RECORD
- (()) BEARING & DISTANCE PER RECORD
- EXTENT OF 60' WIDE EASEMENT EGRESS AND UTILITIES DISCLOSED 6/29/99, SEE NOTE #13D.
- NON-BUILDING EASEMENT FOR FIRE SUPPRESSION & PEDESTRIAN PATHS AS DESCRIBED IN THE AT INST. NO. OTHERWISE NOTED ARE IN A USES.

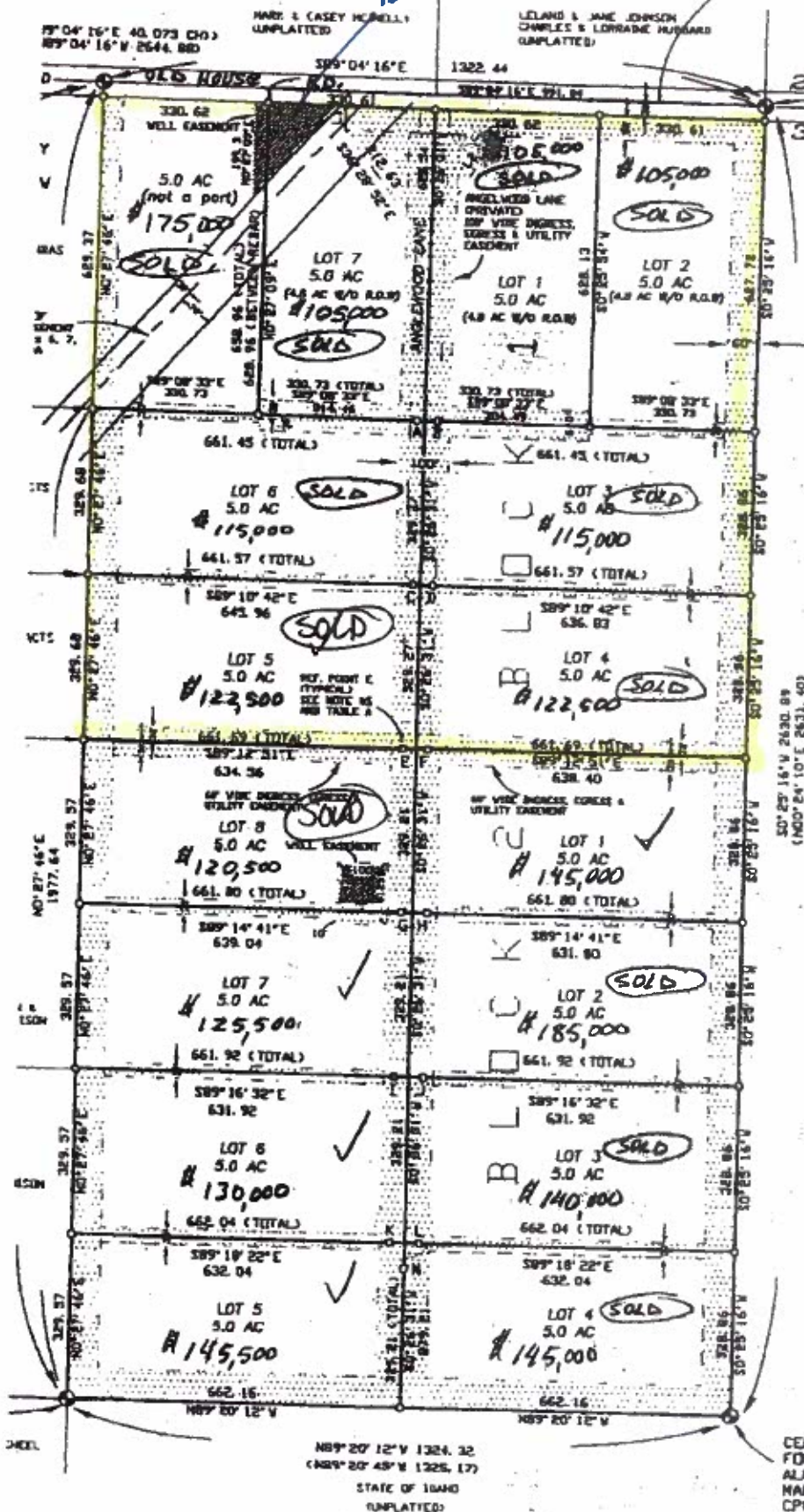
WELL EASEMENT IN FAVOR OF SUPERIOR DEVELOPMENT INC. AND KENNETH BURCH

OWNER:
KEN BURCH
612 OLD HOUSE ROAD
ATHOL, ID 83801

PROJECT REPRESENTATIVE

MT
BIRCH PLANNING
NORTHWEST
P.O. BOX 580 PO
(208) 285-5811

CENTER 1/4 CORNER
FOUND 3 1/4" DIA.
ALUMINUM CAP
MARKED PLS 3984
CP&F ON FILE



30° 25' 16" N 2630.89
1° 00' 24" E 2631.403

ALLISON & KAY KITCHEN
UNPLATTED

58° 20' 12" N 1324.32
(58° 20' 45" N 1325.17)
STATE OF IDAHO
UNPLATTED

95-9482