

[illegible]

Method of Determination: Platt map provided by HOA president

- 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 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 Size</u>
708908		7.5			

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

D. FLOW MEASUREMENTS

1

<u>Measurement 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: limited by duty of water 4 homes 0.10 cfs per Norm Young Licensing memo 22

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: 4 homes no irrigation $4 \times 0.6 \text{ afa} = 2.4 \text{ afa}$ **G. NARRATIVE/REMARKS/COMMENTS**

110 feet deep well with 70 foot dynamic pumping level 7 1/2 horse power pump to 4 storage tanks. The well is currently hooked into 23 homes 4 under this permit and 24 permitted under 22-13404. The pump runs to 1 inch pipe to all of the homes.

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	0.100 CFS	2.40 AF
<u>Totals:</u>		0.100 CFS	2.40 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 Nate Arave Date 9/17/2007

Reviewer Nate Arave Date 9/20/07

Comment Report

22-7536

1. narave 9/20/2007 Field Report Narrative

Comment: 110 feet deep well with 70 foot dynamic pumping level. 7 1/2 horse power pump to 4 storage tanks. The well is currently hooked into 23 homes 4 under this permit and 24 permitted under 22-13404. The pump runs to 1 inch pipe to all of the homes.

2. narave 9/20/2007 POD

Comment: Updated shape

3. narave 9/20/2007 POD

Comment: Updated PLS

4. narave 9/20/2007 POU

Comment: Updated Shape

5. narave 9/20/2007 POU

Comment: Updated PLS

6. narave 9/20/2007 overlap report

Comment: Permit 22-13404 has same POD

Water rights 22-4074, 22-144, 22-13404, 22-277A all share POU QQ

7. dgibson 8/3/2005 Reinstatement of permit

Comment: Proof filed on 3-18-05, with the evidence supplied by the president of the homeowners association, which included a warranty deed from the original owner to the EE-DAH-HOW Subdivision Homeowners Association, Inc. From the evidence supplied to the department, it was determined that only four lots were connected to the water system during the active stage of the permit. The permit was reinstated with the POU being for only lots 2E, 2W, 10E and 10W.

8. dgibson 8/3/2005 Amendment of Permit

Comment: Amendment of permit filed on 9-14-1990. Bob Bagley, original owner of this permit, filed an application for amendment of a permit which changed the location of the place of use from the NE, NE, NW to two places of use at the NE, NW and the NW, NW; Commercial use to Domestic, and the number of homes changed from 15 trailer homes to 20 homes.

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THEORETICAL PUMP FLOW CALCULATIONS

Formula:

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

$$Hp = \text{Horsepower} = \underline{7.5}$$

$$Eff = \text{Efficiency} = \underline{0.70} \quad (\text{Usually } 70\%)$$

Lift: (Static Level + Assumed Draw down)

$$\text{Static Water Level} = \underline{40} \text{ ft.}$$

$$\text{Assumed Draw down} = + \underline{10} \text{ ft.}$$

$$\text{Lift} = \underline{50}$$

OR

$$\text{Measured Dynamic Water Level} = \underline{\hspace{2cm}} \text{ ft.}$$

$$psi = \text{Operating Pressure} = \underline{40} \text{ psi}$$

$$Q_{cfs} = \left[\frac{7.5}{Hp} \times 8.814 \times \frac{0.70}{Eff} \right] \div \left[\frac{50}{Lift} + \left(\frac{40}{psi} \times 2.308 \right) \right]$$

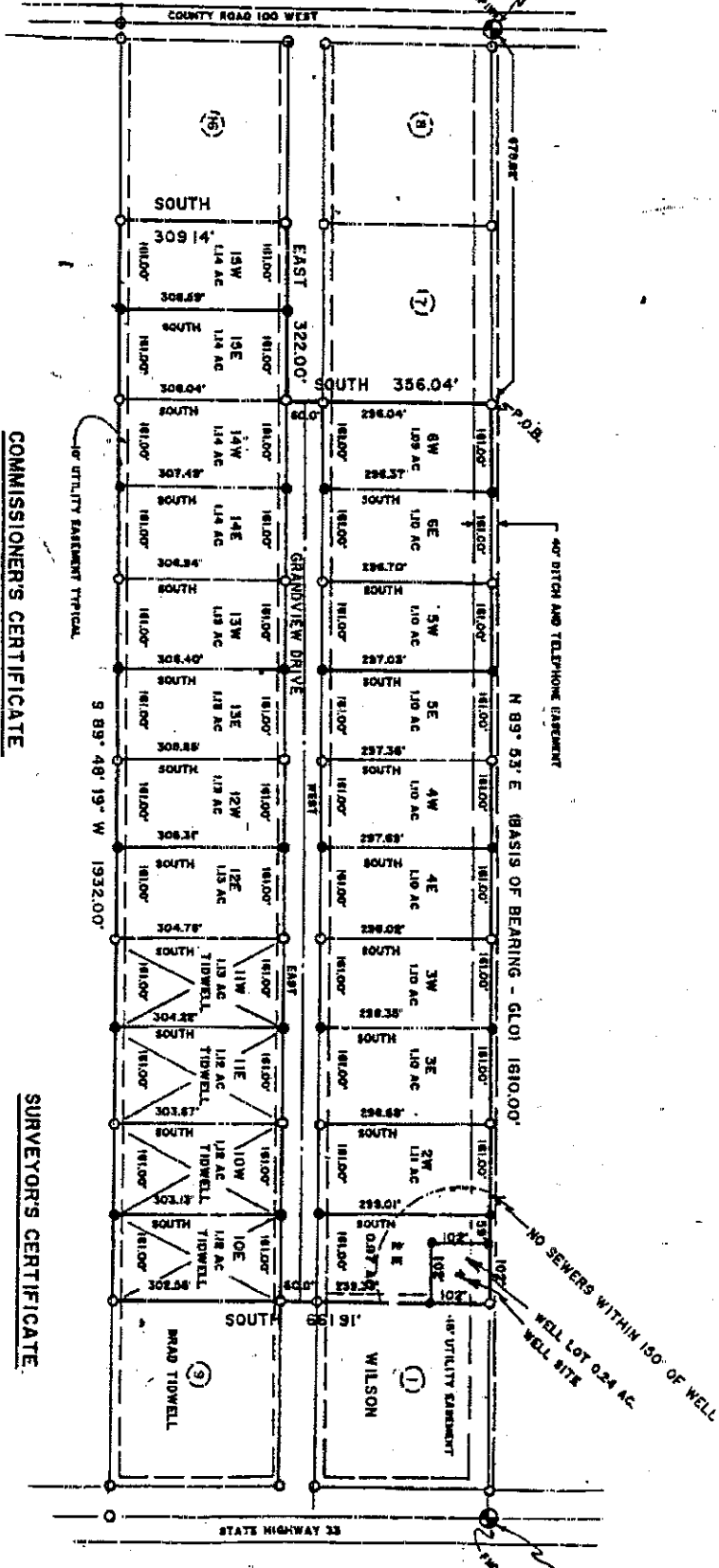
$$Q_{cfs} = [\underline{\hspace{2cm}}] \div [\underline{\hspace{2cm}}]$$

$$Q_{cfs} = \underline{0.33} \text{ cfs}$$

PERMIT NO. 22-7536

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.

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



COMMISSIONER'S CERTIFICATE

PRESENTED TO THE TETON COUNTY BOARD OF COMMISSIONERS ON THE FOLLOWING DATE AT WHICH TIME THIS SUBDIVISION WAS APPROVED AND ACCEPTED.

DATE _____
CHAIRMAN, COUNTY COMMISSIONERS

SURVEYOR'S CERTIFICATE

I, ARNOLD W. WOOLSTENHULME, BEING A REGISTERED ENGINEER/LAND SURVEYOR IN THE STATE OF IDAHO, No. 2860 DO HEREBY CERTIFY THAT I DID SURVEY 2, 3, 4, 5, 6, 10, 11, 12, 13, 14, AND 15 OF EC-34H-HOW ACRES SUBDIVISION BLOCK I AS FILED IN THE OFFICE OF THE TETON COUNTY CLERK, AND DID SPLIT SAID LOTS ACCORDING TO THIS ADDENDUM PLAT.

Arnold W. Woolstenhulme
Oct, 8, 1990

PLANNING AND ZONING APPROVAL

PRESENTED TO THE TETON COUNTY PLANNING & ZONING COMMISSION ON THE FOLLOWING DATE AT WHICH TIME THIS SUBDIVISION WAS APPROVED AND ACCEPTED.

RECORDERS CERTIFICATE

STATE OF IDAHO

