

State of Idaho
DEPARTMENT OF WATER RESOURCES
FIELD REPORTRECEIVED
SEP 28 1981
Department of Water Resources

96-7357

Permit No.

CONTACT WITH PERMIT HOLDER

	DATE	INITIALS	REMARKS
☐ Appointment letter mailed:	9-10-81	JK	437-3652 - To Call me
☐ Telephone call made: (List Telephone No. used)			See 96-0202-0203-2017-C
☐ Appointment scheduled for: (Date, time, location)	9-11-81		

EXAMINATION

Date 9-11-81 Accompanied by App Total Q measured 202 gpm
 If source is surface water, estimate total flow of source -
 Methods of measurement METER / Calc Meets Permit requirements? Yes

Measurement calculations:
 METER
 $202 \text{ gpm} = 0.45 \text{ cfs}$ ✓
 448.8
 $\text{AF} = 0.45 (1.9835) 245 = 218.68$
 $60 \text{ AC} (3.0) = 180 \text{ AF}$ ✓
 $\text{ICF} = 1728 \text{ ft}$
 $\text{ICF} = 62445 \text{ ft}$
 $\text{Atmos} = 4.7$
 $\text{Static water} = 85'$
 $85(12) = 1020$
 $1020 - 0.59(624) = 36.83 + 4.7 = 41.53 \text{ PSI}$
 $88(10) 80\% = 704$
 $2.33(415) + 85 = 0.39 \text{ cfs}$
 $60 \text{ Buckner } 860 / 14.6 \text{ ft}^3 @ 2 \text{ psi}$
 $10.7(60) = 1.4 \text{ cfs}$
 448.8
 $\text{Booster \#2}$

WELL/DIVERSION* NO.	HP	MOTOR MAKE	MOTOR SERIAL NO.	PUMP MAKE	PUMP SERIAL NO.	MEASURING DEVICE TYPE	CONDITION OF MEAS. DEV.	REMARKS
#1 Booster	10					Badger	good	Subm.
#2 Booster	1	Red jacket	F-76	Unit				Domestic / stock
	30	45-R-2007-01-743	Cornell	20916-74				Irrigation

System Description 6" x 140' well with 10 HP & sub pump to irrigation 300' x 150' x 8' pond with 30 HP booster for irrigation, and 1 HP pump to 1000 gal storage tank with 1 HP pump for domestic & stock

*Code with map on reverse side. Disregard code if only one.

RECOMMENDED AMOUNTS

Irrigation requirement = 3.0 AFA/Acre

USE	Q (cfs)	V (afa)	FROM	TO
Irrigation	0.45 ✓	180.00 ✓	3-15	11-15
Domestic	0.04 ✓	1.2 ✓	1-1	12-31
Stock	0.05 ✓	2.7 ✓	1-1	12-31
Total	0.45 ✓	183.90 ✓		

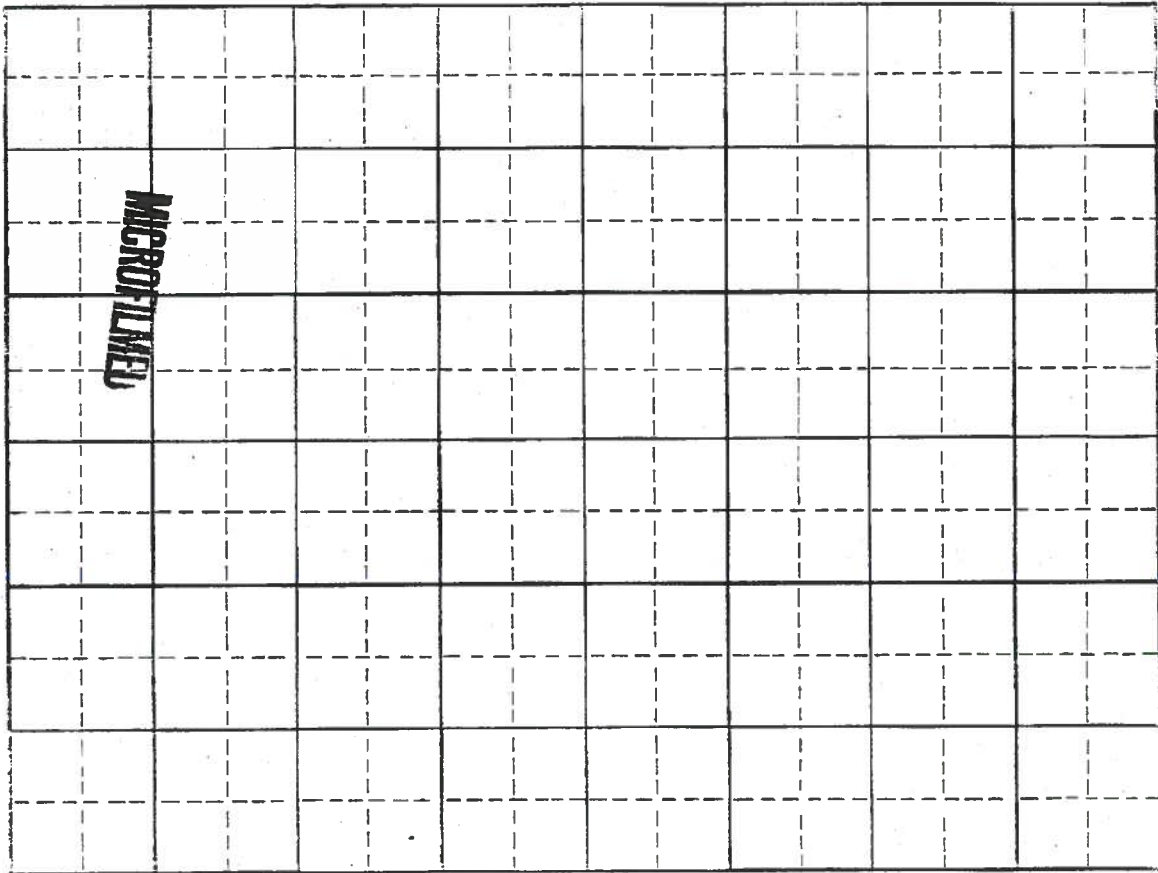
Remarks Water is withdrawn from source at rate of 0.45 cfs for Domestic & stock, placed in storage then pumped into home tank

Pond is constructed so that in irrigation could be completed by gravity flow - If well being pumped by irrigation system running & no surface water being added to pond, pond would go dry. ∴ No measurement necessary on 30 HP pump.

Well irrigation water used only when insufficient water from primary source - Blanchard Creek

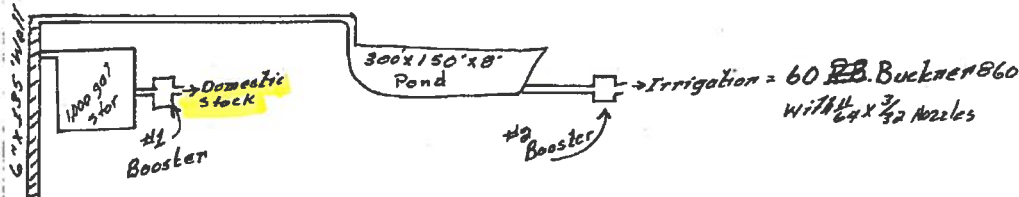
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MAP (Attach Aerial Photo)



SCHEMATIC DIAGRAM OF SYSTEM

(Include distance from pump to measuring device, if applicable.)



Point(s) of diversion: SW NE, Sec 20, T54N, 5W

Place(s) of Use

TWP.	RGE.	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
54N	5W	20			20											40			60
																			60

Recommended Amendments:

- ☐ Change P.D. as reflected above
☐ Change P.U. as reflected above

- ☐ Add P.D. as reflected above
☐ Add P.U. as reflected above

☒ None

☐ Other

SCANNED

JAN 28 2014

Examiner's Signature [Signature]

Date 9-21-81

Checked by [Signature]

Date 9/23/81

Approved by [Signature]

Date 10/5/81