

Claim No. 21-7537

Document Checklist

☒ Copy License/Decree

☐ Copy Transfer

☒ Copy Licensing Field Exam

☐ Check if Ownership/Address Change is Required

☐ Generate, mail and file "Evidence of Priority" letter

☒ Generate Arcview Map

State of Idaho
Department of Water Resources

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DEC 24 1992
Department of Water Resources
Eastern District Office

WATER RIGHT LICENSE
WATER RIGHT NO. 21-07537

Priority: January 24, 1978
Maximum Diversion Rate: 1.24 CFS
Maximum Diversion Volume: 217.0 AF

This is to certify, that MELVIN HARRIS INC
PO BOX 158
TETON CITY ID 83451
has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated January 24, 1978; and
has submitted Proof of Beneficial Use on December 29, 1982. An examination indicates
that the works have a diversion capacity of 5.860 cfs of water from a **GROUNDWATER**
source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/15 to 10/15	1.24 CFS	217.0 AF
<u>LOCATION OF POINT(S) OF DIVERSION:</u>		NWSE , Sec. 30, Township 08N, Range 40E FREMONT County	

<u>PLACE OF USE:</u>			IRRIGATION						
<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>		<u>ACRES</u>		<u>ACRES</u>		<u>TOTAL</u>
08N	40E	30	SESW	10	NESE	13	NWSE	13	62
			SWSE	13	SESE	13			
Total number of acres irrigated:									62

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right limited to the amount that can actually be beneficially use used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. A measuring device of a type approved by this Department shall be maintained as a part of the diverting works.
6. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.5 afa per acre for the lands above.

WATER RIGHT LICENSE
WATER RIGHT NO. 21-07537

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 15th
day of DECEMBER, 1992.


R. Keith Higginson, Director

Original Exam

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Form 219
6/86

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

A. GENERAL INFORMATION

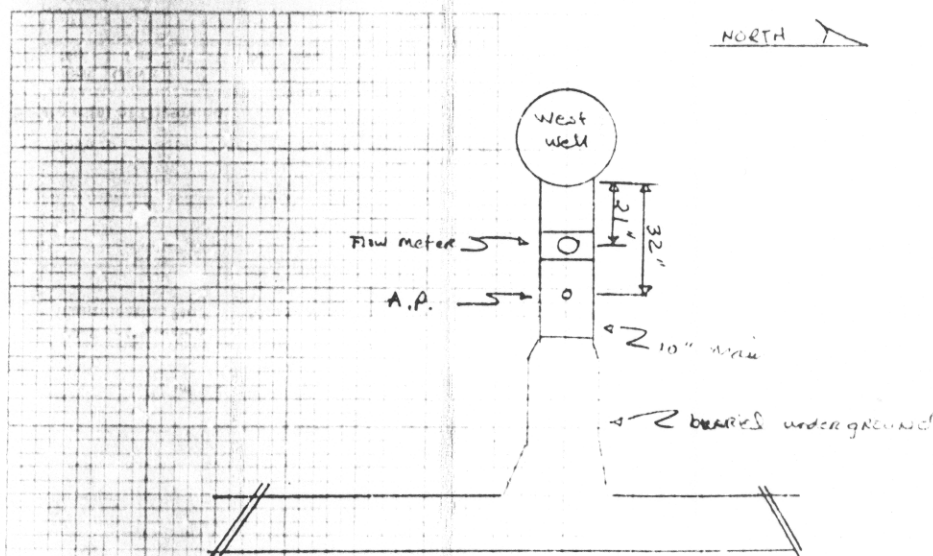
- Permit No. 35-7775
1. Owner: Eastern Idaho Production Credit Assoc. Phone No. 786-1510
Current Address: P.O. Box 992, Blackfoot, Idaho 83221
2. Accompanied by: JERRY BROUXER EXAM. DATE: 7-8-88
Address: 1235 W. Hwy 26, Blackfoot Idaho 83221 Phone No. _____
Relationship to Permit Holder: Leasee
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 35-7310 ☐ Copies Attached
2. Other water rights with same point of diversion: 35-7310 ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☒ Aerial Photo Attached
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Well; pump/water to 10' main then to 17-1/2 mile hard line with 5/8" nozzles. (Weather Tec sprinkler heads #7, 10-30)

Well depth $\approx 180'$

Static water level =

Dynamic water level =

☐ See Remarks on page 4 for continuation

Wall or Diversion Identification No.*	Motor Make	Hp	Model Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	G. E.	350	5K6317XC207A	Veritas - 6" dia	D24551

*Code to correspond with No. on map and title block

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

5. Point(s) of Diversion:

[illegible]

6. Place(s) of Use:

Indicate Method of Determination

[illegible]

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow meter		Rockwell		11889	1000 gal.	
Flow meter		HALLS		120385	10"	
Manometer					57"	

2. Measurements:

main line P.O.D. = 16" I.D. = 9.75" main line pressure = 47 psi
manometer reading = 51.5" - 1.7" = 49.8"
note: there was a little fluctuation in manometer reading 2 1/2"
Rockwell Flow meter: 100 gal = 13 sec, 100 gal = 13 sec,
100 gal = 13 sec.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

Theoretical

$$Q = \frac{(3.5)(3.94)(0.8)}{180' + 2.308(47.51)} = 8.55 \text{ cfs.}$$

2. Alternate Method for Checking Purposes:

X PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (377 \times 3.5) = 1,319.50$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (1.82 \times 214 \times 1.9835) = 772.53$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 772.53$$

X Volume Calculations for Other Uses:

$$* \text{ Total flow from P/D} = 5.86 \text{ cfs}$$

$$\text{Total div. rate } 25-7210 \approx (-) 4.00 \text{ cfs}$$

$$\text{Diversion Rate } 25-7725 = 1.86 \text{ cfs}$$