

JUN 07 2007

DEPT. OF WATER RESOURCES
SOUTHERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No.: 37-21743

1. Owner: Southern Comfort Home Owners Association - Jeffra Syms (President) Phone No.: (208) 788-5922
Current Address: P.O. Box 2739; Ketchum, Idaho 83340
2. Accompanied by: Chuck Williamson Exam Date: May 29, 2007
Address: P.O. Box 915; Ketchum, Idaho 83340 Phone No.: (208) 788-5922
Relationship to Permit Holder: Managing Agent
3. Source: Groundwater tributary to _____

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 SYSTEM

1. Point(s) of Diversion:

[illegible]

2. **Place(s) of Use:**

Indicate Method of Determination: Original Design Plans

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ ditch size/ pipe i.d. as applicable.

See Attached Grid sheet

- ☐ Copy of USGS 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)*.
☒ Photo of diversion and system attached.

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well #1	Franklin	7.5	282 2019 203	Franklin	282 2019 203
Well #2	Franklin	7.5	282 2019 210	Franklin	282 2019 210

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calibration
McCrometer Ultra Mag	Electromagnetic	McCrometer	UM06-03	UM20060519	3"	9/19/2005
McCrometer Mc Propeller	Propeller	McCrometer				

2. Measurements: Flow measurements were obtained from each well operating independently. Well #1 produced 160 gpm (0.36 cfs) measured with the propeller McCrometer flow meter. Well #2 produced 164 gpm (0.36 cfs) measured with the McCrometer Ultra Mag flow meter.

E. NARRATIVE / REMARKS / COMMENTS

The applicant's permit is for 0.29 cfs. The system installed is sufficient to provide at least 0.29 cfs.

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

F. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: McCrometer UltraMag and Propeller flow meters.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

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

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>M</u>	<u>1/1</u>	<u>12/31</u>	<u>0.29 cfs</u>	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
TOTALS:			<u>0.29 cfs</u>	_____

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

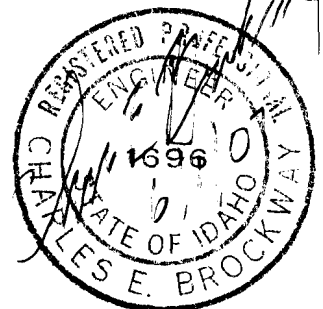
Field Examiner's Name: Charles E. Brockway

Date: 5/29/2007

Reviewer: _____

Date: _____

SEAL





0 62.5 125 250 Feet

**SOUTHERN COMFORT SUBDIVISION
T.04N., R.18E. SEC 31
NAIP 2003 AERIAL PHOTO**

- LEGEND**
-  Property Boundary
 -  Section lines
 - Irrigation = 5.55 AC.
 -  t04n18e





Figure 1: Point of Diversion (Well #1) for Southern Comfort HOA.



Figure 2: Point of Diversion (Well #2) for Southern Comfort HOA.



Figure 3: Southern Comfort Distribution system at points of diversion.

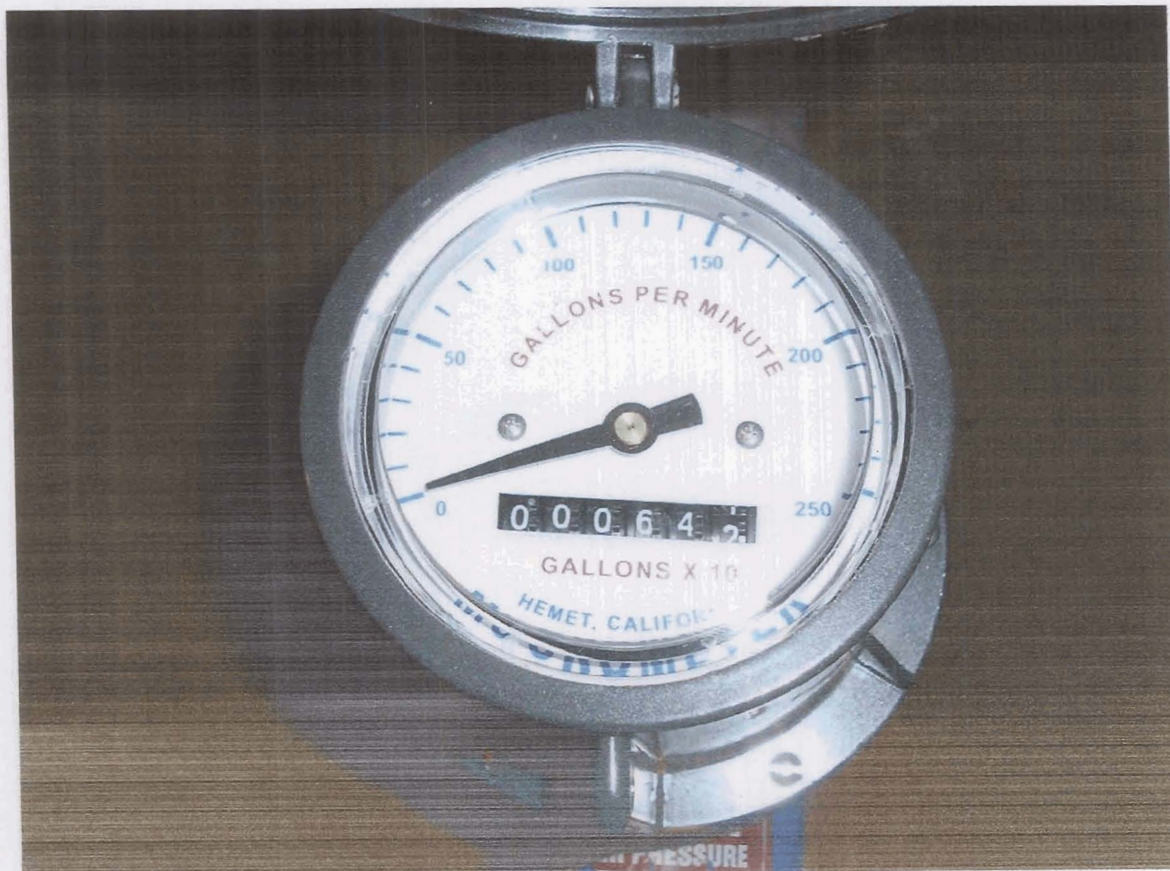


Figure 4: McCrometer propeller meter for Well #1.



Figure 5: McCrometer UltraMag Flow meter for Well #2.



Figure 6: Digital Readout for McCrometer UltraMag flow meter