

## **OWL CREEK**

**Baylor Purvis Thompson Farmer  
Chessington-Wilson  
Sliney Ditch No. 1  
Southside Canal  
Woodard Johnson**

**DESCRIPTION AND OPERATION MEMORANDUM**

BAYLOR, PURVIS, THOMPSON AND FARMER DITCH

USGS ID 43108 F4, 43108 F3 USGS NAME THOMPSON RESERVOIRS, RATTLESNAKE GULTCH

**DIVERSION DESCRIPTION**

36" diameter pipe with drop boards.

**DIVERSION LOCATION**

Source: Owl Creek  
S 68° W, 1188' from the East quarter corner of Section 9, Township 43N, Range 97W, and is in the NE 1/4 SE 1/4 Section 9.

**CONVEYANCE DESCRIPTION**

Open dirt ditch approximately 7 1/4 miles long serving approximately 1240 acres and 6 users. Ditch is also supply ditch for Thompson Reservoirs. Ditch capacity is approximately 20 c.f.s.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
10/04/1899	2308	Irr., Dom.	176.00	2.51		2.51	
12/09/1905	1572E	Irr.	339.00	4.84		7.35	
12/31/1906	1690E	Irr., Dom.	154.00	2.20		9.55	
5/22/1909	2117E	Irr.	571.00	8.14		17.69	

**STORAGE RIGHTS**

Anchor Reservoir

**ESTIMATED CANAL LOSSES**

Varies with time of year; estimated 30-35% at peak.

**IRRIGATION PRACTICES**

Conventional flood irrigation practices enhanced by ditch lining and irrigation pipe. Short supply stream.

**CROP TYPES / CONSUMPTIVE USE**

Alfalfa hay, grass hay, pasture, occasional small grain, lawn and garden.

**RETURN FLOWS**

Minimal - all to Owl Creek.

**OTHER OPERATIONAL INFORMATION**

**CONTACT INFORMATION**

Leroy Shumway  
Hamilton Dome, WY  
(307)867-2487

**PHOTO LOG**

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

**DIVERSION RECORD**

Year	Measured Data
1983	
1984	
1985	
1986	
1995	
1996	4/15, 2.39 cfs; 4/18, 9.41 cfs; 4/24, 4.07 cfs; 4/29, 2.15 cfs; 5/9, 1 cfs; 5/16, 4.54 cfs; 5/17, Off; 5/23, 7.15 cfs; 5/30, 7.15 cfs; 6/6, 11.25 cfs; 6/11, 9.11 cfs; 6/18, 10.16 cfs; 6/27, 5.36 cfs; 7/2, 6.23 cfs; 7/12, 9.11 cfs; 7/17, 9.11 cfs; 7/26, 1.91 cfs; 7/31, 2.39 cfs; 8/5, Off; 8/6, Off; 8/7, Off; 8/8, Off; 8/9, Off; 8/19, Off; 8/20, Off; 8/21, Off; 8/22, Off; 8/23, Off; 8/26, Off; 8/27, Off; 8/28, Off; 8/29, Off; 8/30, Off; 9/3, Off; 9/4, Off; 9/5, Off; 9/6, Off; 9/9, Off; 9/10, Off; 9/11, Off; 9/12, Off; 9/13, Off; 9/16, Off; 9/17, Off; 9/18, Off; 9/19, Off; 9/20, Off; 9/24, 3.77 cfs; 10/2, 3.06 cfs
1997	4/16, 4.38 cfs; 4/23, 1.68 cfs; 4/29, 0.5 cfs; 5/7, 1.26 cfs; 5/20, 5.36 cfs; 5/29, 7.15 cfs; 6/4, 11.25 cfs; 6/19, 9.11 cfs; 6/26, 9.11 cfs; 7/7, 13.55 cfs; 8/5, 9.11 cfs; 8/28, 4.54 cfs; 9/3, 4.54 cfs; 10/14, 2.39 cfs
1998	4/27, Off; 5/4, Off; 5/15, 8.3 cfs; 5/18, 13.55 cfs; 5/27, 11.7 cfs; 6/5, 11.23 cfs; 6/12, 24.2 cfs; 6/19, 7.15 cfs; 6/26, 4.54 cfs; 7/1, 3 cfs; 7/10, 5.03 cfs; 7/15, 5.36 cfs; 7/21, 5.36 cfs; 7/28, 13.55 cfs; 8/6, 5.36 cfs; 8/14, 5.36 cfs; 8/28, 7.15 cfs; 9/4, 5.36 cfs; 9/8, 4.07 cfs
1999	4/19, Off; 5/3, Off; 5/10, Off; 5/17, Off; 5/24, Off; 6/4, 11.25 cfs; 6/8, 0.82 cfs; 6/14, 18.6 cfs; 6/22, 4.7 cfs; 7/9, 5.03 cfs; 7/14, 4.38 cfs; 7/28, 8.71 cfs; 8/4, 11.25 cfs; 8/11, 12.38 cfs; 8/18, 9.74 cfs; 8/24, 1.91 cfs; 9/2, 6.23 cfs; 9/9, 5.7 cfs; 9/15, 4.86 cfs
2000	3/27, Off; 4/3, 2.1 cfs; 4/10, Off; 4/17, Off; 4/24, Off; 5/1, Off; 5/9, 6.05 cfs; 5/15, Off; 5/26, 10.38 cfs; 6/1, 11.25 cfs; 6/9, 5.36 cfs; 6/17, 9.11 cfs; 6/19, Off; 6/26, Off; 7/3, 3.19 cfs; 7/10, Off
2001	4/16, Off; 4/23, Off; 4/30, Off; 5/7, Off; 5/21, 8.71 cfs; 5/28, Off; 9/30, Off

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

**DESCRIPTION AND OPERATION MEMORANDUM**

CHESSINGTON – WILSON DITCH

USGS ID 43108 F4 USGS NAME THOMPSON RESERVOIRS

**DIVERSION DESCRIPTION**

One 36" screwtype sliding steel gate in concrete headwall, with 24" screwtype sandgate.

**DIVERSION LOCATION**

Source: Owl Creek  
S 74° 15' E, 1381' from the NW corner of Section 33, Township 9N, Range 3E, and is in the NE 1/4 NW 1/4 Section 33.

**CONVEYANCE DESCRIPTION**

Open dirt ditch approximately 4 miles long delivering to approximately 350 acres and 4 users. Ditch capacity is approximately 15 c.f.s.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/03/1868	Wind River Tribes	Irr.	246.00		1168.16		
08/22/07	8125	Irr.	86.1	1.23		1.23	

**STORAGE RIGHTS**

Anchor Reservoir

**ESTIMATED CANAL LOSSES**

Varies with time of year; estimated 25-30% at peak.

**IRRIGATION PRACTICES**

Conventional flood irrigation practices enhanced by gated pipe and some ditch lining.

**CROP TYPES / CONSUMPTIVE USE**

Alfalfa hay, native hay, pasture, lawn and gardens, occasional small grains.

**RETURN FLOWS**

Minimal; 100% to Owl Creek

**OTHER OPERATIONAL INFORMATION**

**CONTACT INFORMATION**

Steve Jones  
Thermopolis, WY  
(307) 867-2426

**PHOTO LOG**

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

**DIVERSION RECORD**

Year	Measured Data
1983	6/5, Off; 6/9, 7.5 cfs; 6/12, 7.81 cfs; 6/16, 7.5 cfs; 6/21, 6.56 cfs; 6/23, 6.5 cfs; 6/28, 7.81 cfs; 7/1, 7.33 cfs; 7/5, 8.3 cfs; 7/8, 8 cfs; 7/11, 6.81 cfs; 7/14, 6.5 cfs; 7/18, 5.82 cfs; 7/21, 5.97 cfs; 7/25, 7.97 cfs; 7/28, 8.63 cfs; 8/2, 8.63 cfs; 8/4, 7.33 cfs; 8/7, 9.13 cfs; 8/10, 8.79 cfs; 8/14, 2.42 cfs; 8/18, Off; 8/20, Off; 8/22, Off; 8/25, Off; 8/27, Off; 9/5, 5.39 cfs; 9/7, 5.25 cfs
1984	5/10, 3.08 cfs; 5/15, 5.68 cfs; 5/18, 5.53 cfs; 5/22, 8.63 cfs; 5/25, 7.97 cfs; 5/29, 6.56 cfs; 6/2, 6.11 cfs; 6/3, 7.65 cfs; 6/7, 10 cfs; 6/12, 4.05 cfs; 6/14, 5.82 cfs; 6/19, 11.26 cfs; 6/22, 10.35 cfs; 6/25, 10.17 cfs; 6/27, 8.63 cfs; 6/29, 7.81 cfs; 7/2, 7.33 cfs; 7/6, 7.825 cfs; 7/9, 6.76 cfs; 7/12, 9.85 cfs; 7/13, Off; 7/16, Off; 7/18, Off; 7/21, Off; 7/23, Off; 7/24, Off; 7/26, Off; 7/27, Off; 7/29, Off; 8/1, Off; 8/3, Off; 8/7, Off; 8/10, Off; 8/13, Off; 8/16, Off; 8/19, Off; 8/21, Off; 8/27, Off; 8/30, Off; 9/3, Off; 9/6, Off; 9/10, Off; 9/13, Off; 9/17, Off; 9/22, Off
1985	6/17, Off; 6/19, Off; 6/20, Off
1986	4/22, 5.39 cfs; 4/23, 5.97 cfs; 4/24, 10.53 cfs; 4/27, 4.05 cfs; 5/4, 13.96 cfs; 5/5, 6.86 cfs; 5/11, 0.96 cfs; 5/26, 6.86 cfs; 5/28, 5.85 cfs; 5/29, 9.3 cfs; 6/2, 9.3 cfs; 6/5, 10.53 cfs; 6/9, 9.3 cfs; 6/11, 9.13 cfs; 6/13, 9.13 cfs; 6/16, 9.3 cfs; 6/18, 6.53 cfs; 6/24, 8.79 cfs; 7/7, 4.05 cfs; 7/9, 3.93 cfs; 8/16, 2.32 cfs
1995	5/30, 4.08 cfs; 5/31, 4.39 cfs; 6/12, Off; 6/13, Off; 7/12, 12 cfs; 7/24, 9.82 cfs; 8/1, 8.46 cfs; 8/9, 12 cfs; 8/14, 10.17 cfs; 8/18, Off; 8/29, 6.86 cfs; 9/5, 5.39 cfs; 9/8, 8.46 cfs; 9/11, 8.46 cfs; 9/14, 8.13 cfs
1996	4/29, Off; 4/30, Off; 5/1, Off; 5/2, Off; 5/3, Off; 5/7, 2.86 cfs; 5/16, 6.26 cfs; 5/20, 6.11 cfs; 6/6, 8.79 cfs; 6/10, 9.3 cfs; 6/21, 8.46 cfs; 6/26, 4.05 cfs; 7/3, 3.32 cfs; 7/11, 11.19 cfs; 7/17, 10.89 cfs; 7/23, 8.46 cfs; 8/1, 9.48 cfs; 8/9, 6.85 cfs; 8/19, Off; 8/20, Off; 8/21, Off; 8/22, Off; 8/23, Off; 8/27, 1.63 cfs; 9/4, 1.46 cfs; 9/11, 1.82 cfs; 9/16, Off; 9/17, Off; 9/18, Off; 9/19, Off; 9/20, Off; 10/11, 2.86 cfs
1997	4/24, 2.86 cfs; 4/30, 3.08 cfs; 5/7, 4.05 cfs; 5/14, 4.05 cfs; 5/20, 9.48 cfs; 5/21, 8.46 cfs; 5/30, 7.81 cfs; 6/5, 5.39 cfs; 6/20, 2.03 cfs; 6/24, 4.05 cfs; 7/9, 4.05 cfs; 7/18, 10.17 cfs; 7/25, 10.53 cfs; 7/31, 10.17 cfs; 8/8, 8.46 cfs; 9/8, 3.8 cfs; 9/12, 8.46 cfs; 9/15, 9.82 cfs; 9/24, 3.44 cfs; 9/30, 1.63 cfs
1998	4/27, Off; 5/4, Off; 5/15, 5.97 cfs; 5/20, 8.13 cfs; 5/26, 4.05 cfs; 6/1, 12 cfs; 6/10, 4.05 cfs; 6/16, 3.8 cfs; 6/26, 4.84 cfs; 7/2, 2 cfs; 7/6, 1.48 cfs; 7/13, 6.86 cfs; 7/21, 12 cfs; 7/28, 11.26 cfs; 8/4, 1.46 cfs; 8/11, 2.86 cfs; 8/26, 7.49 cfs; 9/2, 8.13 cfs; 9/11, Off
1999	4/19, Off; 5/3, Off; 5/10, Off; 5/24, Off; 6/1, Off; 6/7, Off; 6/15, 2.86 cfs; 6/22, 2.42 cfs; 7/7, 10.17 cfs; 7/13, 10.89 cfs; 7/28, 8.46 cfs; 8/4, 13.15 cfs; 8/11, 13.15 cfs; 8/18, 6.86 cfs; 8/24, 0.96 cfs; 9/2, 8.46 cfs; 9/9, Off; 9/15, Off
2000	3/28, 2.86 cfs; 4/4, 3.58 cfs; 4/11, 5.39 cfs; 4/17, 4.57 cfs; 4/28, 5.11 cfs; 5/2, 7.65 cfs; 5/8, 12.36 cfs; 5/15, 5.11 cfs; 5/26, 12.36 cfs; 6/1, 7.81 cfs; 6/5, 8.4 cfs; 6/13, 5.97 cfs; 6/21, 3.56 cfs; 6/26, Off; 7/3, Off; 7/10, 5.68 cfs; 7/20, 4.05 cfs; 7/25, 1.82 cfs; 7/26, 1.28 cfs; 7/27, 1.46 cfs; 7/28, 1.82 cfs; 7/31, 1.28 cfs; 8/2, 1.12 cfs; 8/4, 1.28 cfs; 8/10, 0.92 cfs; 8/14, 0.6 cfs; 8/18, 0.96 cfs; 8/20, 2.22 cfs; 8/23, 0.55 cfs; 8/28, 0.96 cfs; 9/1, 3.8 cfs; 9/5, 2.64 cfs; 9/7, 1.46 cfs; 9/11, 1.82 cfs; 9/13, 1.28 cfs; 9/15, 2.42 cfs; 9/18, 1.53 cfs
2001	4/16, 0.5 cfs; 4/24, 1.82 cfs; 5/1, 3.08 cfs; 5/9, 1.12 cfs; 5/17, 6.86 cfs; 5/18, 6.86 cfs; 5/19, 6.86 cfs; 5/24, 2.86 cfs; 5/25, 4.05 cfs; 5/29, 4.05 cfs; 6/15, 0.5 cfs; 6/26, 0.93 cfs; 6/27, 1.28 cfs; 7/9, 2.86 cfs; 7/10, 4.84 cfs; 7/12, 7.81 cfs; 7/16, 7.65 cfs; 7/19, 2.42 cfs; 7/23, 1.46 cfs; 7/25, 0.8 cfs; 7/27, 0.96 cfs; 9/14, 0.96 cfs; 9/17, 2.64 cfs; 9/19, 5.39 cfs; 9/21, 2.64 cfs; 9/24, 0.83 cfs; 9/26, Off; 9/28, Off

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

**DESCRIPTION AND OPERATION MEMORANDUM**

SLINEY DITCH NO. 1

USGS ID 43108 F4 USGS NAME THOMPSON RESERVOIR

**DIVERSION DESCRIPTION**

One 4' sliding wooden gate in concrete headwall

**DIVERSION LOCATION**

Source: Owl Creek

N 71° 15' W, 4775' from the South 1/4 corner of Section 4, Township 43N, Range 97W, and is in the NW 1/4 SE 1/4 Section 5, same township and range.

**CONVEYANCE DESCRIPTION**

Open dirt ditch approximately 10 miles long, serving approximately 2950 acres and 5 users. Ditch capacity is approximately 40 c.f.s.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/11/1902	4038	Irr.	480.00	6.84		6.84	
9/17/1909	2125E	Irr.	331.00	4.72		11.56	
9/17/1909	2368E	Dom.,Stk.,Irr.	1749.99	25.00		36.56	

**STORAGE RIGHTS**

Anchor Reservoir

**ESTIMATED CANAL LOSSES**

Varies with time of year; estimated 35-40% at peak.

**IRRIGATION PRACTICES**

Conventional flood irrigation practices enhanced by some ditch lining and use of irrigation pipe.

**CROP TYPES / CONSUMPTIVE USE**

Alfalfa hay, grass hay, occasional small grains, pasture.

**RETURN FLOWS**

Minimal; 100% to Owl Creek.

**OTHER OPERATIONAL INFORMATION**

**CONTACT INFORMATION**

John Herrin  
Thermopolis, WY  
(307)864-5775

**PHOTO LOG**

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

**DIVERSION RECORD**

Year	Measured Data
1983	5/9, 37.49 cfs; 5/14, 24.08 cfs; 5/19, 7.98 cfs; 5/21, 5.46 cfs; 5/24, 24.08 cfs; 5/27, 24.93 cfs; 6/1, 26.67 cfs; 6/5, 15 cfs; 6/9, 18 cfs; 6/12, 16.92 cfs; 6/16, 13.4 cfs; 6/21, 12.36 cfs; 6/23, 12 cfs; 6/28, 16.92 cfs; 7/1, 14 cfs; 7/5, 29.81 cfs; 7/8, 31.2 cfs; 7/11, 28 cfs; 7/14, 27.11 cfs; 7/18, 28.38 cfs; 7/21, 28.9 cfs; 7/25, 27.11 cfs; 7/28, 9.83 cfs; 8/2, 9.53 cfs; 8/4, 19.2 cfs; 8/7, 18.43 cfs; 8/10, 18 cfs; 8/14, 10.44 cfs; 8/15, 5.21 cfs; 8/18, 5.21 cfs; 8/20, Off; 8/22, Off; 8/25, Off; 8/27, Off
1984	5/10, 12.69 cfs; 5/15, Off; 5/18, 24.5 cfs; 5/22, 15.1 cfs; 5/25, 11.71 cfs; 5/29, 32.62 cfs; 6/2, 20.38 cfs; 6/3, 27.11 cfs; 6/5, 25.36 cfs; 6/7, Off; 6/12, Off; 6/14, 14.05 cfs; 6/19, 5.46 cfs; 6/22, Off; 6/25, 15.82 cfs; 6/27, Off; 6/29, 18.81 cfs; 7/2, 18.04 cfs; 7/6, 22.415 cfs; 7/7, 17.09 cfs; 7/9, 15.82 cfs; 7/11, 9.925 cfs; 7/12, 7.52 cfs; 7/13, 12.36 cfs; 7/16, 15.46 cfs; 7/18, 6.98 cfs; 7/21, 12.69 cfs; 7/23, 12.03 cfs; 7/24, 13.7 cfs; 7/26, 15.1 cfs; 7/27, 9.33 cfs; 7/29, 9 cfs; 8/1, 10.5 cfs; 8/3, 10.75 cfs; 8/7, 4.52 cfs; 8/10, 3.5 cfs; 8/13, 4.29 cfs; 8/16, 4.52 cfs; 8/19, 2.5 cfs; 8/21, 2.5 cfs; 8/27, 2 cfs; 8/30, 3 cfs; 9/3, 2.5 cfs; 9/6, 2.5 cfs; 9/10, Off; 9/13, Off; 9/17, Off; 9/22, Off
1985	6/17, 5.7 cfs; 6/19, 5.21 cfs; 6/20, 4.73 cfs; 6/23, 2.5 cfs; 6/27, 5.46 cfs; 8/1, 2 cfs
1986	3/30, 6.46 cfs; 3/31, 6.46 cfs; 4/2, 5.21 cfs; 4/4, 7.25 cfs; 4/7, 8.55 cfs; 4/8, 15.83 cfs; 4/9, 14.4 cfs; 4/10, 12.36 cfs; 4/12, 11.71 cfs; 4/15, 13.03 cfs; 4/16, 10.36 cfs; 4/19, 12.03 cfs; 4/21, 11.38 cfs; 4/22, 11.38 cfs; 4/23, 18.04 cfs; 4/24, 15.1 cfs; 4/25, 14.75 cfs; 4/27, 15.1 cfs; 4/28, 15.82 cfs; 4/29, 15.82 cfs; 4/30, 15.1 cfs; 5/1, 6.46 cfs; 5/3, 17.67 cfs; 5/4, 15.82 cfs; 5/5, 15.82 cfs; 5/6, 16.55 cfs; 5/11, 14.05 cfs; 5/12, 14.05 cfs; 5/14, 14.05 cfs; 5/17, 15.1 cfs; 5/18, 12.36 cfs; 5/19, 14.75 cfs; 5/20, 15.82 cfs; 5/21, 16.18 cfs; 5/24, 8.225 cfs; 5/26, 21.23 cfs; 5/27, 23.65 cfs; 5/28, 23.65 cfs; 5/29, 23.65 cfs; 6/2, 32.62 cfs; 6/5, 36.94 cfs; 6/9, 32.62 cfs; 6/11, 34.53 cfs; 6/13, 37.5 cfs; 6/16, 28 cfs; 6/18, 33.09 cfs; 6/24, 38 cfs; 6/29, 19.59 cfs; 7/7, 12.69 cfs; 7/9, 12.36 cfs; 7/16, 5.21 cfs; 7/20, Off; 7/22, 4.29 cfs; 7/23, 4.07 cfs; 7/28, 4.29 cfs; 8/2, 2.8 cfs; 8/4, 3 cfs; 8/6, 3.5 cfs
1995	5/30, 12.36 cfs; 5/31, 19.59 cfs; 6/2, 23.65 cfs; 6/6, 17.67 cfs; 6/12, 53.59 cfs; 7/3, 6.46 cfs; 7/18, 4.07 cfs; 7/24, Off; 7/29, Off; 8/5, 6.46 cfs; 8/7, 9.23 cfs; 8/12, 6.98 cfs; 8/15, 6.46 cfs; 8/18, 5.21 cfs; 8/31, 6.46 cfs
1996	3/27, 3 cfs; 4/29, 2 cfs; 5/9, 1 cfs; 5/14, 9.23 cfs; 5/16, 6.72 cfs; 5/18, 6.46 cfs; 5/20, 6.46 cfs; 5/28, 10.75 cfs; 6/6, 6.98 cfs; 6/11, 10.36 cfs; 6/12, 10.36 cfs; 6/22, 15.82 cfs; 6/28, 15.82 cfs; 7/3, 12.36 cfs; 7/9, 9.23 cfs; 7/11, 6.98 cfs; 7/15, 9.23 cfs; 7/19, 2.5 cfs; 7/22, 4.07 cfs; 7/29, Off; 7/30, Off; 7/31, Off; 8/1, Off; 8/2, Off; 8/5, Off; 8/6, Off; 8/7, Off; 8/8, Off; 8/9, Off; 8/19, Off; 8/20, Off; 8/21, Off; 8/22, Off; 8/23, Off; 8/26, Off; 8/27, Off; 8/28, Off; 8/29, Off; 8/30, Off; 9/3, Off; 9/4, Off; 9/5, Off; 9/6, Off; 9/9, Off; 9/10, Off; 9/11, Off; 9/12, Off; 9/13, Off; 9/16, Off; 9/17, Off; 9/18, Off; 9/19, Off; 9/20, Off
1997	4/14, 2 cfs; 4/29, 0.5 cfs; 5/16, 10.75 cfs; 5/17, 9.23 cfs; 5/21, 12.36 cfs; 5/29, 17.67 cfs; 6/3, 32.62 cfs; 6/17, 28 cfs; 6/24, 14.4 cfs; 7/3, 3 cfs; 7/7, 2 cfs; 7/11, 15.1 cfs; 7/14, 15.82 cfs; 7/18, 14.05 cfs; 7/25, 14.75 cfs; 8/4, 4.07 cfs; 8/8, 15.82 cfs; 8/18, 6.46 cfs; 8/29, 3 cfs; 9/2, 2 cfs; 9/12, 4.07 cfs; 9/24, 5.46 cfs; 10/3, 3 cfs
1998	4/24, 1 cfs; 4/27, 1 cfs; 5/4, 2 cfs; 5/15, 6.46 cfs; 5/19, 9.23 cfs; 5/26, 15.82 cfs; 6/1, 15.1 cfs; 6/9, 17.67 cfs; 6/16, 26.23 cfs; 6/26, 15.82 cfs; 6/30, 12.36 cfs; 7/6, 9.23 cfs; 7/13, 12.36 cfs; 7/20, 9.23 cfs; 7/28, 6.46 cfs; 8/5, 3 cfs; 8/11, 4 cfs; 8/24, 4 cfs; 8/31, 2 cfs; 9/8, 3 cfs
1999	4/19, Off; 5/7, 3 cfs; 5/10, 4 cfs; 5/20, 19.59 cfs; 5/28, 28 cfs; 6/2, 53.59 cfs; 6/8, 37.49 cfs; 6/14, 48.53 cfs; 6/22, 41.57 cfs; 7/7, 6.98 cfs; 7/13, 9.23 cfs; 7/28, 4.07 cfs; 8/4, 6.2 cfs; 8/11, 6.2 cfs; 8/18, 6.46 cfs; 8/24, 6.46 cfs; 9/2, 4.29 cfs; 9/9, 4.07 cfs; 9/15, 3 cfs
2000	3/30, 2.1 cfs; 4/4, 2.1 cfs; 4/10, Off; 4/17, Off; 4/24, Off; 5/2, 2.1 cfs; 5/8, 12.36 cfs; 5/15, Off; 5/25, 12.36 cfs; 5/31, 19.59 cfs; 6/10, 9.23 cfs; 6/12, 8.36 cfs; 6/22, 5.46 cfs; 6/26, 5.46 cfs; 7/3, Off
2001	

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

**DESCRIPTION AND OPERATION MEMORANDUM**

SOUTHSIDE CANAL

**DIVERSION DESCRIPTION**

One 3' screwtype sliding metal gate in concrete headwall.

**DIVERSION LOCATION**

Source: Owl Creek  
N 35° 04' E, 824' from the North 1/4 corner of Section 7, Township 8N, Range 4E, WRM.

**CONVEYANCE DESCRIPTION**

Open earthen canal 4 1/2 miles long serving approximately 950 acres and 8 users. Ditch capacity is approximately 16 c.f.s.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
1/29/1909	8865	Irr.	935.50	13.33		13.33	
6/29/1910	2279E	Irr.	92.00	1.31		14.64	

**STORAGE RIGHTS**

Anchor Reservoir

**ESTIMATED CANAL LOSSES**

Varies with the time of year; estimated 35-40% at peak.

**IRRIGATION PRACTICES**

Conventional flood irrigation practices; some use of gated pipe.

**CROP TYPES / CONSUMPTIVE USE**

Alfalfa hay, grass hay, pasture, lawns and gardens.

**RETURN FLOWS**

Minimal

**OTHER OPERATIONAL INFORMATION**

**CONTACT INFORMATION**

Ken Hood  
Thermopolis, WY  
(307) 867-2357

**PHOTO LOG**

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

**DIVERSION RECORD**

**DESCRIPTION AND OPERATION MEMORANDUM**

WOODARD – JOHNSON DITCH

USGS ID 43108 F4 USGS NAME THOMPSON RIVER

**DIVERSION DESCRIPTION**

One 36' wide screwtype sliding metal gate in concrete headwall.

**DIVERSION LOCATION**

Source: Owl Creek  
N 15° 00' W, 1850' from S 1/4 corner Section 34, Township 9N, Range 3E

**CONVEYANCE DESCRIPTION**

Open dirt ditch approximately 3 1/2 miles long delivering water to approximately 1355 acres and 4 users. Ditch capacity ~ 16 c.f.s. Functions as supply ditch for Skinner Reservoir.

**WYOMING WATER RIGHTS**

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
12/11/1907	8343	Irr., Dom.	201.00	2.86		2.36	
6/10/1909	2059E	Irr.	109.00	1.56		3.92	
4/23/1910	2203E	Irr., Dom., Stk.	24.00	0.34		4.26	
5/20/1910	2217E	Irr.	537.60	7.68		11.94	
5/24/1912	3260E	Irr.	38.00	0.54		12.98	
3/03/1916	3583E	Irr.	35.00	0.50		13.48	
5/27/1916	3691E	Irr., Dom., Stk.	291.60		40.00		

**STORAGE RIGHTS**

Anchor Reservoir

**ESTIMATED CANAL LOSSES**

Varies with time of year; estimated 30-35% at peak.

**IRRIGATION PRACTICES**

Conventional flood irrigation practices enhanced by some pipe.

**CROP TYPES / CONSUMPTIVE USE**

Alfalfa hay, native hay, pasture, occasional small grains, lawn and garden.

**RETURN FLOWS**

Minimal; 100% to Owl Creek

**OTHER OPERATIONAL INFORMATION**

**CONTACT INFORMATION**

Bill Daniels  
Thermopolis (Hamilton Dome), WY  
(307) 867-2458

**PHOTO LOG**

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

## DIVERSION RECORD

Year	Measured Data
1983	5/27, 7.06 cfs; 6/1, 7.2 cfs; 6/5, 6 cfs; 6/9, 3 cfs; 6/12, 3.93 cfs; 6/16, 3.5 cfs; 6/21, 4.31 cfs; 6/23, 4 cfs; 6/28, 6.86 cfs; 7/1, 6.5 cfs; 7/5, 4.57 cfs; 7/8, 4.5 cfs; 7/11, 4.05 cfs; 7/14, 3.8 cfs; 7/18, 3.56 cfs; 7/21, 3.68 cfs; 7/25, 3.68 cfs; 7/28, 3.5 cfs; 8/2, 3.44 cfs; 8/4, 4.18 cfs; 8/7, 4.05 cfs; 8/10, 4 cfs; 8/14, 3.56 cfs; 8/18, Off; 8/20, Off; 8/22, Off; 8/25, Off; 8/27, Off; 9/12, Off; 9/16, 5 cfs
1984	5/10, 6.86 cfs; 5/15, 8.46 cfs; 5/18, 7.97 cfs; 5/22, 8.3 cfs; 5/25, 10.5 cfs; 5/29, 12 cfs; 6/2, 15 cfs; 6/3, 12 cfs; 6/5, 21.47 cfs; 6/7, 11.44 cfs; 6/12, 3.56 cfs; 6/14, 5.39 cfs; 6/19, 2.64 cfs; 6/22, 2.22 cfs; 6/25, 3.08 cfs; 6/27, 2.97 cfs; 6/29, 3.68 cfs; 7/2, 4.05 cfs; 7/6, 3.93 cfs; 7/9, 3.68 cfs; 7/11, 3.08 cfs; 7/12, 5.495 cfs; 7/13, 2.86 cfs; 7/14, Off; 7/16, Off; 7/18, Off; 7/21, Off; 7/23, Off; 7/26, 2.86 cfs; 7/27, 2.86 cfs; 7/29, 3.19 cfs; 8/1, 4.28 cfs; 8/3, 3.19 cfs; 8/7, 2.53 cfs; 8/10, 2.64 cfs; 8/11, Off; 8/13, Off; 8/16, Off; 8/19, 5.97 cfs; 8/21, 5.25 cfs; 8/27, 13.93 cfs; 8/28, Off; 8/30, Off; 9/3, Off; 9/6, Off; 9/10, Off; 9/13, Off; 9/17, Off; 9/22, Off
1985	6/17, Off; 6/19, Off; 6/20, Off; 8/4, 3.44 cfs; 8/5, Off
1986	3/31, 4.18 cfs; 4/1, Off; 4/2, 2.01 cfs; 4/3, Off; 4/7, 4.05 cfs; 4/8, 4.05 cfs; 4/9, 4.05 cfs; 4/10, 4.31 cfs; 4/12, 4.44 cfs; 4/22, 5.5 cfs; 4/23, 5.5 cfs; 4/24, 6.01 cfs; 4/25, Off; 5/4, 12 cfs; 5/5, 8.71 cfs; 5/26, 7.65 cfs; 5/28, 8.75 cfs; 5/29, 7.5 cfs; 6/2, 7.5 cfs; 6/5, 9 cfs; 6/9, 7.5 cfs; 6/11, 7.5 cfs; 6/13, 6.5 cfs; 6/16, 9.13 cfs; 6/18, 5.82 cfs; 6/24, 6.41 cfs; 7/7, 2.86 cfs; 7/9, Off
1995	5/31, 13.93 cfs; 6/7, 35.53 cfs; 6/12, Off; 6/13, Off; 7/3, 6.86 cfs; 7/12, 12 cfs; 7/24, 8.46 cfs; 7/28, 6.86 cfs; 7/29, 12 cfs; 8/1, 5.39 cfs; 8/4, 7.17 cfs; 8/9, 10.53 cfs; 8/10, 12 cfs; 8/14, 8.79 cfs; 8/17, 4.57 cfs; 8/18, 5.11 cfs; 8/22, 1.82 cfs; 8/24, 2.64 cfs; 8/29, 1.82 cfs; 8/31, 1.82 cfs
1996	4/16, 1.82 cfs; 4/19, 1.82 cfs; 4/29, Off; 4/30, Off; 5/1, Off; 5/2, Off; 5/3, Off; 5/6, Off; 5/7, Off; 5/8, Off; 5/9, Off; 5/10, Off; 5/23, 5.39 cfs; 5/31, 2.86 cfs; 6/6, 10.17 cfs; 6/12, 12 cfs; 6/22, 9.48 cfs; 6/26, 5.11 cfs; 7/5, 5.36 cfs; 7/8, 6.56 cfs; 7/9, 3.8 cfs; 7/11, 2.86 cfs; 7/15, 6.86 cfs; 7/17, 7.49 cfs; 7/22, Off; 7/23, Off; 7/24, Off; 7/25, Off; 7/26, Off; 7/29, Off; 7/30, Off; 7/31, Off; 8/1, Off; 8/2, Off; 8/3, Off; 8/4, Off; 8/5, Off; 8/6, Off; 8/7, Off; 8/8, Off; 8/9, Off; 8/19, Off; 8/20, Off; 8/21, Off; 8/22, Off; 8/23, Off; 8/26, Off; 8/27, Off; 8/28, Off; 8/29, Off; 8/30, Off; 9/3, Off; 9/4, Off; 9/5, Off; 9/6, Off; 9/9, Off; 9/10, Off; 9/11, Off; 9/12, Off; 9/13, Off; 9/19, 2.86 cfs; 9/23, 2.86 cfs; 9/26, 2.86 cfs; 10/4, 2.64 cfs
1997	5/16, 1.82 cfs; 5/20, 8.46 cfs; 5/29, 8.46 cfs; 6/3, 9.3 cfs; 6/26, 4.05 cfs; 7/2, 0.96 cfs; 7/11, 3 cfs; 7/14, 9.48 cfs; 7/18, 10.17 cfs; 7/25, 8.13 cfs; 7/31, 7.81 cfs; 8/8, 1.46 cfs; 8/15, 10.17 cfs; 9/8, 1.82 cfs; 9/12, 4.05 cfs; 9/15, 8.46 cfs; 9/24, 6.86 cfs; 9/30, 0.96 cfs; 10/14, 2.39 cfs
1998	4/30, 6.86 cfs; 5/7, 5.11 cfs; 5/13, 4.05 cfs; 5/20, 7.81 cfs; 5/26, 7.17 cfs; 6/1, 6.86 cfs; 6/10, 3.08 cfs; 6/15, Off; 6/22, Off; 7/2, 1.5 cfs; 7/6, 5.39 cfs; 7/13, 6.86 cfs; 7/21, 4.05 cfs; 7/28, 10.17 cfs; 8/4, 2.01 cfs; 8/11, 7.17 cfs; 8/26, 1 cfs; 9/2, 5.11 cfs; 9/8, 5.11 cfs; 9/9, 5.11 cfs; 9/10, 5.11 cfs; 9/11, 5.11 cfs
1999	4/19, Off; 5/3, Off; 5/10, Off; 5/17, Off; 5/24, Off; 6/2, 0.96 cfs; 6/8, 1.46 cfs; 6/14, Off; 6/22, 3.32 cfs; 6/24, 3.8 cfs; 7/7, 6.86 cfs; 7/13, 10.17 cfs; 7/28, 15.14 cfs; 8/4, 11.63 cfs; 8/11, 3.08 cfs; 8/18, 1.46 cfs; 8/24, 1.46 cfs; 9/2, Off; 9/9, Off; 9/15, Off
2000	3/28, 3.8 cfs; 4/4, 3.58 cfs; 4/11, 1.28 cfs; 4/17, Off; 4/24, Off; 5/2, 1.82 cfs; 5/9, 7.65 cfs; 5/15, Off; 5/26, 4.05 cfs; 6/1, 13.93 cfs; 6/5, 4.57 cfs; 6/13, 4.05 cfs; 6/19, Off; 6/29, 4.05 cfs; 7/3, Off; 7/14, 2.42 cfs; 7/15, 1.82 cfs; 7/17, 1.82 cfs; 7/20, 2.01 cfs; 7/24, Off
2001	4/16, 0.96 cfs; 4/25, 0.96 cfs; 4/30, Off; 5/7, Off; 5/18, 1.82 cfs; 5/19, 5.39 cfs; 5/21, 4.05 cfs; 5/28, Off; 6/11, Off; 7/12, 9.48 cfs; 7/16, 3.8 cfs; 7/23, Off; 9/30, Off

### Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.