

CLARKS FORK RIVER

**Badger
Doctor
Interstate
Sirrine**

DESCRIPTION AND OPERATION MEMORANDUM

BADGER DITCH

DIVERSION DESCRIPTION

Three 24" screwtype sliding steel gates in 8' concrete headwall.

DIVERSION LOCATION

Source: Clark's Fork River
S 29° 10' E, 777' from th NW corner Section 8 (o.s.), Township 56N, Range 102W, and is in Tract 45 of Section 8 (o.s.)

CONVEYANCE DESCRIPTION

Open dirt canal approximately 17 miles long delivering water to approximately 2100 acres and 15 users, including water carried to serve water rights under the old Myling and Green-Moore ditches. Canal has a spill gate approximately 3/4 miles downditch from headgate, and crosses Clark's Fork River 5 1/2 miles downditch in a recently re-constructed siphon. Ditch capacity ~ 75 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
6/26/1901	3269	Irr.	158.00	2.25		2.25	
3/20/1902	3789	Irr.	1343.40	19.16		21.41	
8/08/1904	1261E	Irr.	153.30	2.19		23.60	
9/08/1906	1606E	Irr.	281.50	4.02		27.62	
5/10/1910	2214E	Irr.	318.00	4.54		32.16	
10/21/1911	2548E	Irr.	35.00	0.50		32.66	
1/27/1927	4527E	Irr.	118.60	1.69		34.35	
12/03/1979	6756E	Irr.,Stk.	27.60	0.44		34.79	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

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

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by considerable ditch lining and use of irrigation pipe. Some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, pasture, row crops, lawns and gardens.

RETURN FLOWS

Moderate; some to Clark's Fork River, some to Big Sand Coulee.

OTHER OPERATIONAL INFORMATION

Managed by Clark's Fork Irrigation District.

CONTACT INFORMATION

David Denney (Clark's Fork Irrigation District)
Clark, WY
(307)645-3124

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

DOCTOR DITCH AND MONTANA ENLARGEMENT DOCTOR DITCH

DIVERSION DESCRIPTION

Two 4' sliding steel gates in concrete headwall.

DIVERSION LOCATION

Source: Clark's Fork River

S 81° 12' W, 2416' from the SE corner of Section 25, Township 58N, Range 102W, and is in the NW 1/4 NE 1/4 Section 36, Township 58N, Range 102W.

CONVEYANCE DESCRIPTION

Open dirt ditch 5 1/2 miles long, serving approximately 670 acres and 7 users. Ditch traverses rough badlands and requires considerable fluming and 500 feet of tunnel. Delivers to 274 acres across the state line in Montana. 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
2/11/1901	3030	Irr.,Dom.	255.00	3.52		3.52	
12/24/1910	2372E	Dom.,Irr.,Stk.	25.80	0.36		3.88	
4/01/1908	None	Irr.	274.00	3.91		7.79	
6/29/1964	6133E	Irr.	116.00	1.66		9.45	

STORAGE RIGHTS

None

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, some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa, small grains, row crops, pasture, lawns and gardens.

RETURN FLOWS

Moderate; all to Clark's Fork River

OTHER OPERATIONAL INFORMATION

Managed by an organized ditch company (Doctor Ditch Company). There are 3 users in Wyoming and 4 users in Montana. Montana lands have Wyoming water rights as adjudicated by the Yellowstone River Compact Commission.

CONTACT INFORMATION

Hergett Brothers, Inc. (Doctor Ditch Company)
Belfry, Montana

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

INTERSTATE IRRIGATION AND MINING COMPANY DITCH

DIVERSION DESCRIPTION

One 8' manually operated sliding steel gate in concrete headwall.

DIVERSION LOCATION

Source: Clark's Fork River
NW 1/4 NE 1/4 Section 36, Township 58N, Range 102W, in Wyoming.

CONVEYANCE DESCRIPTION

Open earthen canal approximately 6 miles long. Ditch diverts from Clark's Fork Yellowstone River in Wyoming and runs approximately one mile before the Allen-Chance lateral splits off, siphons under the Clark's Fork River and runs one mile north into Montana for irrigation of 110 acres. The main ditch enters Montana approximately 1/2 mile below the Allen-Chance siphon and serves 1021 acres and 10 users all in Montana. 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
4/01/1891	None	Irr.	787.37	11.25		11.25	
3/11/1913	None	Irr.	344.50	4.92		16.17	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

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

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by considerable use of irrigation pipe and sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, row crops, pasture, lawns and gardens.

RETURN FLOWS

Moderate; all to Clark's Fork River

OTHER OPERATIONAL INFORMATION

Operated by formal ditch company. Ditch diverts its water all in Wyoming but irrigates only lands in Montana. Water rights are Wyoming water rights adjudicated by the Yellowstone River Compact Commission with order issued by Wyoming State Board of Control.

CONTACT INFORMATION

Interstate Irrigation and Mining Company Ditch
c/o Hergett Bros. Inc.
Belfry, Montana

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

SIRRINE DITCH

DIVERSION DESCRIPTION

Three 4' screwtype sliding metal gates in concrete headwall, gravel/boulder diversion dam.

DIVERSION LOCATION

Source: Clark's Fork River
S 51° 30' E, 2640 from NE corner Section 24, Township 57N, Range 102N.

CONVEYANCE DESCRIPTION

Open earthen canal 8 miles long with three major laterals adding another 10 miles of ditch, serving approximately 3020 acres and 8 users. Ditch capacity is ~ 60 c.f.s. Approximately 184 acres are located across the state line in Montana.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
10/10/1892	348	Irr.	1390.00	19.82		19.82	
4/23/1898	337E	Irr.	115.00	1.65		21.47	
5/11/1899	421E	Irr.	950.00	13.55		35.02	
11/18/1903	5672	Irr.	80.00	1.14		36.16	
12/08/1913	2887E	Irr.	116.00	1.66		37.82	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

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

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by considerable ditch lining and use of irrigation pipe. Some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, small grains, pasture, row crops, lawns and gardens.

RETURN FLOWS

Moderate; most to Clark's Fork River, some to Big Sand Coulee.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

David Denney
Clark, WY
(307)645-3124

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